

IBM IMS DataPropagator for z/OS



Messages and Codes

Version 3 Release 1

IBM IMS DataPropagator for z/OS



Messages and Codes

Version 3 Release 1

Note:

Before using this information and the product it supports, be sure to read the information in "Notices" on page 553.

This edition applies to Version 3 Release 1 of IBM IMS DataPropagator for z/OS, 5655-E52, and to any subsequent releases until otherwise indicated in new editions.

This edition replaces GC27-1213-01.

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About This Information

This book lists IMS™ DataPropagator™ (IMS DPROP) messages and codes with explanations and suggested responses.

This manual is designed to help programmers, operators and system and database support personnel use IMS DPROP messages and codes.

This softcopy book is available only in PDF and BookManager® formats. This book is available on the z/OS® Software Products Collection Kit, SK3T-4270. You can also get the most current versions of the PDF and BookManager formats by going to the IBM® Data Management Tools Web site at www.ibm.com/software/data/db2imstools and linking to the Library page.

Changes to This Book for IMS DataPropagator for z/OS Version 3 Release 1

This edition, which is available in softcopy format only, includes technical and editorial changes.

IMS DataPropagator (IMS DPROP) Version 3.1 presents improvements to both the product and the product library.

Product Changes

IMS DataPropagator V3.1 provides Near Real Time and Point-In-Time propagation with MQSeries-based, asynchronous propagation (MQ-ASYNC).

Product Library Changes

The Version 3.1 library has been updated with information about MQSeries® asynchronous propagation. There are now three Administrators Guides, one for each primary mode of propagation:

- *IMS DPROP Administrators Guide for MQSeries Asynchronous Propagation*
- *IMS DPROP Administrators Guide for Log Asynchronous Propagation*
- *IMS DPROP Administrators Guide for Synchronous Propagation*

There is also a new book, *IMS DataPropagator for z/OS: Concepts*, which provides a conceptual description of data propagation.

How This Book Is Organized

This book contains the following information:

- Chapter 1, “About IMS DPROP messages,” on page 1 contains introductory information that will help you understand how the messages in this book are organized.
- Chapter 3, “Selector messages,” on page 5 to Chapter 25, “IMS DPROP services messages (EKYZ),” on page 477 list all the messages issued by DPROP components in alphanumeric sequence. The introduction describes the message format and tells what information the messages provide.
- Chapter 26, “DPROP abend codes and reason codes,” on page 501 contains DPROP abend and reason codes. Each DPROP component issues a different abend code. A reason code is always issued with an abend code to uniquely identify the error. The abend codes are listed in numerical sequence with their

associated reason codes. The introduction to this chapter tells which DPROP component issues each abend code, and explains the format of the reason codes.

- Appendix A, “RUP and HUP error handling,” on page 543 provides information on how the Relational Update Program (RUP®) and Hierarchical Update Program (HUP) handle various errors. The system action in response to errors handled by the RUP or HUP depends on what problem the RUP or HUP encountered.
- Appendix B, “EKYMQCAP error handling,” on page 547 provides information on how the DPROP MQ-ASYNC Capture (EKYMQCAP) program handles errors. EKYMQCAP distinguishes between severe errors and errors caused by unavailable resources.
- Appendix C, “EKYMQAPP error handling,” on page 549 provides information on how the DPROP MQ-ASYNC Propagation APPLY program (EKYMQAPP) handles errors. EKYMQAPP distinguishes between severe errors, mapping errors, miscellaneous errors, deadlocks and timeouts, and errors caused by unavailable resources.
- Appendix D, “IMS Apply program error handling,” on page 551 provides information on how the DPROP MQ-ASYNC IMS Apply program handles errors. IMS Apply distinguishes between severe errors, data errors, miscellaneous errors, and errors caused by unavailable resources.

Terms Used in This Book

In this book:

- “IMS” refers to IMS/ESA®
- “RH propagation” refers to relational to hierarchical (DB2® to IMS) propagation.
- “HR propagation” refers to hierarchical to relational (IMS to DB2) propagation.
- “The RUP” refers to the Relational Update Program within DPROP.
- “The HUP” refers to the Hierarchical Update Program within DPROP.

HR propagation is performed by the RUP, and RH propagation is performed by the HUP.

The following terms are synonymous in this book:

- *File* and *data set*.
- *DXT™* and *DataRefresher™*.

Unless a specific version or release is referenced, these terms refer to either of the following products:

- DXT Version 2 Release 5
- DataRefresher Version 1 or higher
- Databases that have been *quiesced* or set to *READONLY* status.
In all cases, these terms refer to either or both of the following:
 - Any database that can be propagated, except for DEDBs, that has been set to READONLY status.
 - DEDBs that have been taken offline with a /DBR command.

References to DataRefresher and DXT in this book refer only to host activities. This book assumes that you will use batch and command statements, *not* the DataRefresher workstation component.

DPROP books use the term “child” instead of the term “dependent.” For example, DPROP books use the terms “child table” and “child rows” instead of DB2 terms “dependent table” and “dependent rows.” The term “child” is used so that terms for IMS and DB2 are similar.

How to Use This Book

This book contains information that is applicable to:

- MQSeries-based asynchronous propagation
- Log asynchronous propagation
- Synchronous propagation
- User asynchronous propagation

What You Should Know

This book assumes you understand what data propagation is and the business reasons for propagating data. Information on these topics is in *An Introduction*.

This book also assumes you understand IMS, DB2, and DataRefresher concepts and functions.

Chapter 1. About IMS DPROP messages

This manual contains the IMS DPROP messages that indicate the progress of processing and identify any errors that have occurred. Each error results in a unique message. IMS DPROP messages have the format **EKY***cnnt*, where:

EKY IMS DPROP product identifier

c IMS DPROP component identifier:

- A - Audit Extract Utility (AUDU)
- B - Selector Component
- C - Consistency Check Utility (CCU)
- D - DXT Map Capture Exit
- E - Sample Exit Routines
- F - Receiver Utility
- G - DPROPGEN
- H - Hierarchical Update Program (HUP)
- I - MQC Service Messages
- L - DL/I Load Utilities (DLU)
- M - Mapping Verification and Generation (MVG)
- P - PRDS Registration Utility (PRU)
- Q - Group Unload Utility
- R - Relational Update Program (RUP)
- S - Status Change utility (SCU)
- T - Time Stamp Marker Facility
- U - SQL Update Modules
- V - Mapping Verification and Generation Utility (MVGU)
- X - CIA Service Messages
- Y - IMS DPROP services
- Z - IMS DPROP services

nnn Unique number within the component

t Message type, indicating its severity

- A - Indicates an error that requires the operator to take some action before processing can continue
- E - Indicates an error, but may not require an action
- I - Provides information only
- W - Warns the user of a possible error

Each message includes the following information, when applicable.

Explanation: This part explains what the message means, why it occurred, and what its variable fields mean.

Severity: The severity code is the last character in the message and indicates the seriousness of the message.

System Action: This part tells what is happening as a result of the condition causing the message.

DBA Response: If a response by the database administrator is necessary, this section shows what the appropriate responses are.

System Programmer Response: If a response by the system programmer is necessary, this section shows what the appropriate responses are.

User Response: If a response by the user is necessary, this section shows what the appropriate responses are.

Problem determination: This section lists the actions that you can perform to obtain adequate data for support personnel to diagnose the problem.

Module: This is the name of the module that detects the error.

Chapter 2. Audit Extract Utility (AUDU) messages

EKYA001I PROCESSING ENDED AT EODAD OF AUDUT1 INPUT FILE

Explanation: The audit extract utility processed all the records of the input file.

Severity: Information.

System action: Processing ended.

Module: EKYA000X

EKYA002E SEVERE SQL ERROR WHILE INSERTING ROWS ON DPRAUDIT TABLE - PROCESSING TERMINATED

Explanation: An SQL error occurred when the audit extract utility attempted to insert rows into the DPRAUDIT table.

Severity: Error.

System action: Processing is terminated.

Problem determination: See message EKYZ360E for more information.

Module: EKYA000X

EKYA003E READ ERROR ON AUDUT1 INPUT FILE - PROCESSING TERMINATED

Explanation: The audit extract utility encountered an I/O error for the data set allocated to the AUDUT1 DD statement.

Severity: Error.

System action: Processing is terminated.

Problem determination: Refer to message EKYZ501E for a description of the problem.

Module: EKYA000X

EKYA004I *number* RECORDS READ FROM AUDUT1 INPUT FILE

Explanation: The audit extract utility read a number of records (*number*) from the AUDUT1 input file.

Severity: Information.

System action: Processing continues.

Programmer response: If the number of records (*number*) read is zero and the:

- DD statement is missing or is a dummy statement, provide a valid DD statement.
- Data set is empty, determine why it is empty.

Correct the error, and resubmit the job.

Module: EKYA000X

EKYA005I *number* RECORDS OF TYPE 'SYSTEM' READ FROM AUDUT1 INPUT FILE

Explanation: The audit extract utility read a number of records (*number*) from the AUDUT1 input file with a standard SMF record type that can be selected for the audit table.

Severity: Information.

System action: Processing continues.

Programmer response: Refer to the *IMS DataPropagator Reference* for information on valid SMF system record types.

Module: EKYA000X

EKYA006I *number* RECORDS OF TYPE 'DPROP' READ FROM AUDUT1 INPUT FILE

Explanation: The audit extract utility read a number of records (*number*) from the AUDUT1 input file with an IMS DPROP SMF record type that can be selected for the audit table.

Severity: Information.

System action: Processing continues.

Programmer response: Refer to the *IMS DataPropagation Installation* manual for information on how to specify the IMS DPROP SMF record type.

Module: EKYA000X

EKYA007I *number* ROWS OF TYPE 'SYSTEM' INSERTED IN DPRAUDIT TABLE

Explanation: The audit extract utility inserted a number of rows (*number*) in the IMS DPROP audit table which was built from records with a standard SMF record type.

Severity: Information.

System action: Processing continues.

Programmer response: Refer to the *IMS DataPropagator Reference* for information on valid SMF system record types.

Module: EKYA000X

EKYA008I *number* ROWS OF TYPE 'DPROP' INSERTED IN DPRAUDIT TABLE

Explanation: The audit extract utility inserted a number of rows (*number*) in the IMS DPROP audit table which was built from records with the IMS DPROP SMF record type.

Severity: Information.

System action: Processing continues.

Programmer response: Refer to the *IMS DataPropagator Reference* for information on IMS DPROP SMF record types and subtypes.

Module: EKYA000X

EKYA009W *number* SQL INSERTS WERE
REJECTED BY DB2 BECAUSE OF
INVALID DATA

Explanation: DB2 rejected the SQL insert of a row for a number of records (*number*) because data is not valid.

Severity: Warning.

System action: Processing continues.

Programmer response: Check the definitions of the audit table. Refer to the *IMS DataPropagator Reference* for information on creating the audit trail table. If the DPRAUDIT table was created correctly, report the error to IBM Software Support.

Module: EKYA000X

EKYA010I *number* RECORDS WERE NOT
PROCESSED BECAUSE OF
NON-PROCESSABLE SMF RECORD
TYPE

Explanation: A specific number of records (*number*) read from the AUDUT1 input file contained an SMF record type. However, this record type cannot be processed for the audit table. These records have been skipped.

Severity: Information.

System action: Processing continues.

Programmer response: This message is for information only. To improve performance, only SMF records that can be selected for the audit trail table should be passed to the IMS DPROP audit utility. See the *IMS DataPropagator Reference* for a list of supported SMF record types and the *OS/390 MVS System Management Facilities* manual for information on how to select records using the SMF dump program IFASMFDP.

Module: EKYA000X

EKYA011W *number* RECORDS OF TYPE 'DPROP'
WERE NOT PROCESSED BECAUSE OF
INVALID DATA

Explanation: A specific number of records (*number*) read from the AUDUT1 input file contained an IMS DPROP SMF record type. The data in these records is invalid and cannot be processed.

Severity: Warning.

System action: Processing continues.

Programmer response: The SMF record type assigned to IMS DPROP during DPROPGEN may also be used by other subsystems. Ensure that IMS DPROP has its own SMF record type.

Module: EKYA000X

EKYA012I *number* RECORDS OF TYPE 'SYSTEM'
WERE NOT PROCESSED BECAUSE OF
NON-PROCESSABLE SUBTYPE

Explanation: A specific number of records (*number*) read from the AUDUT1 input file contained a standard SMF record type that can be selected for the audit trail table. However, the subtype of these records cannot be selected and the records have been skipped.

System action: Processing continues.

Severity: Information.

Programmer response: See the *IMS DataPropagator Reference* for information on valid SMF system record types and subtypes.

Module: EKYA000X

Chapter 3. Selector messages

EKYB001E UNABLE TO RELEASE STORAGE FOR *cntl_blk*

Explanation: The program failed to release storage for the Selector to execute.

Severity: Error.

System action: Processing is terminated.

Programmer response: Correct the problem and resubmit the job. If the problem cannot be identified or fixed, contact IBM Software Support.

Module: EKYB000X

EKYB002E UNABLE TO ALLOCATE STORAGE FOR *cntl_blk*

Explanation: The program failed to allocate storage for running the Selector.

Severity: Error.

System action: Processing is terminated.

Programmer response: Correct the problem and resubmit the job. If the problem cannot be identified or fixed, contact IBM Software Support.

Module: EKYB000X

EKYB003E UNABLE TO PROCESS *cntl_blk*

Explanation: The program was not able to process the control block *cntl_blk*. An internal error has occurred in the IMS DPROP control block *cntl_blk*. This occurs if either:

- Data has become corrupted
- Storage is not available
- A data integrity problem occurred

Severity: Error.

System action: Processing terminates.

Programmer response: Correct the problem and resubmit the job. If the problem cannot be identified or fixed, contact IBM Software Support.

Module: EKYB000X

EKYB004I SELECTOR COMPLETED WITH RETURN CODE *rc* AND REASON CODE *rsn*

Explanation: The Selector has completed with the

- Return code (*rc*)
- Reason code (*rsn*)

See "Selector messages return and reason codes" on page 38 for more information.

Severity: Information.

User response: None.

Module: EKYB000X

EKYB102E FAILED WHILE READING SCF RECORD, KEY: *scfkey* UPDATE: *updt*

Explanation: An error occurred while reading the VSAM file EKYSCF.

Severity: Error.

System action: Processing is terminated.

Programmer response:

1. Turn tracing on and resubmit the SCF Batch Interface job.
2. Check the VSAM message area in the trace output to determine the cause of SCF failure.
3. Correct the fault, and resubmit the job.

Module: EKYB100X

EKYB103E ERRORS FOUND WHILE PARSING INPUT CONTROL STATEMENTS

Explanation: Errors occurred while parsing the Selector control statements. Each EKYB103E message is followed by one or more EKYB104I message describing the parsing error or errors in the Selector control statements.

Severity: Error.

System action: Processing is terminated.

Programmer response: Correct the errors, and resubmit the job.

Module: EKYB100X

EKYB104I *stmt*

Explanation: The Selector control statements are redisplayed.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB100X

EKYB105E GROUP *grpId* DOES NOT EXIST IN SELECTOR CONTROL FILE

Explanation: The Selector could not find the name *grpId* for the Propagation Group in the SCF.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check the definition for *grpId* in the SCF. If the name of the Propagation Group is correct in the SCF, report the error to IBM Software Support.

Module: EKYB100X

EKYB106E THE STOP TIMESTAMP FOR GROUP
grpId IS NOT IN DB2/ISO FORMAT
THE TIMESTAMP IS *tsmp*

Explanation: The value *tsmp* is not in DB2/ISO format.

Severity: Error.

System action: Processing is terminated.

Programmer response: The correct DB2/ISO timestamp format is as follows:
YYYY-MM-DD-HH.MM.SS.NNNNNN

where:

YYYY Is the four digits of the year
MM Is the month (include zeros)
DD Is the day (include zeros)
HH Is the hour (include zeros)
MM Is the minutes (include zeros)
SS Is the seconds (include zeros)
NNNNNN
Is the microseconds

Apply a correct timestamp format, and resubmit the job.

Module: EKYB100X

EKYB107I LIST OF //EKYSIDS INPUT RECORDS
FOLLOWS

Explanation: A list of Selector control statements contained in the //EKYSIDS data set follows this message. They are written to the //SELPRINT data set. Refer to the *IMS DataPropagator Reference* for further information on the Selector control statement.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB100X

EKYB109I END OF //EKYSIDS INPUT RECORDS.
NO ERRORS DETECTED IN INPUT
RECORDS

Explanation: All the Selector control statements specified in the //EKYSIDS data set have been parsed successfully.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB100X

EKYB110E END OF //EKYSIDS INPUT RECORDS.
INPUT RECORDS HAVE AT LEAST
ONE ERROR

Explanation: An error has been detected by the parser in the Selector control statements specified in the //EKYSIDS data set.

Severity: Error.

System action: Selector terminates processing.

Programmer response: Determine and correct the Selector control statement or statements causing the error. Resubmit the job.

Module: EKYB100X

EKYB111E DATABASE *dbname* DOES NOT HAVE
A NEW START TIME, AND THE STOP
TIME OF THE LAST SELECTOR
EXECUTION FOR THIS GROUP
CANNOT BE FOUND

Explanation: This is the first time the Selector has been run for this group. However, one of the databases has not been assigned a start time.

Severity: Error.

System action: Processing is terminated.

Programmer response: To assign a start time to the database *dbname* for this group, use the ASSIGNTSM command, and then resubmit the Selector.

Module: EKYB100X

EKYB112E THERE ARE NO 0302
GROUP/DATABASE RECORDS IN THE
SELECTOR CONTROL FILE FOR THE
GROUP *grp*

Explanation: This group has been created, but no databases are assigned to it.

Severity: Error.

System action: Processing is terminated.

Programmer response: To assign one or more databases to the group, use the ADDDBASE command, and then resubmit the Selector.

Module: EKYB100X

EKYB113E INTERNAL ERROR OCCURRED WHILE BUILDING THE PRDS CONTROL BLOCK. EXCEPTION RAISED *excp*

Explanation: An internal error as described by *excp* has occurred.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check the exception code and the EKYTRACE and SYSUDUMP data sets for more information.

Correct the problem, and resubmit the job. If the problem cannot be identified or fixed, contact IBM Software Support.

Module: EKYB100X

EKYB114E INCONSISTENT DATA RETURNED FROM DBRC. THE SELECTOR CANNOT DETERMINE THE DD NAME FOR DBD *dbd*

Explanation: The Selector has issued a DBRC LIST.DBDS command. However, data returned by DBRC was not in the expected format.

Severity: Error.

System action: Processing is terminated.

Programmer response: Correct the problem, and resubmit the job. If the problem cannot be identified or fixed, contact IBM Software Support.

Module: EKYB100X

EKYB115E UNEXPECTED ERROR OCCURRED ON SELECTOR CONTROL FILE. THE EXCEPTION RAISED WAS *excp*

Explanation: An internal error described by *excp* has occurred. The exception code, and the EKYTRACE and SYSUDUMP data sets, may provide more information.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check the exception code and the EKYTRACE and SYSUDUMP data sets for further information.

Correct the problem, and resubmit the job. If the problem cannot be identified or fixed, contact IBM Software Support.

Module: EKYB100X

EKYB116E FAILED TO OPEN DBRC SYSPRINT. REFER TO //EKYWTO FOR DETAILS OF THE ACTUAL ERROR.

Explanation: An OPEN error has occurred on the SYSPRINT data set which contains data returned by DBRC. More error details can be found in the EKYWTO data set or in the JES log.

Severity: Error

System action: Processing is terminated.

Programmer response: Check that a DD statement for SYSPRINT exists in the Selector JCL. As the Selector must be able to read this data set, DD SYSOUT=* cannot be specified.

Module: EKYB100X

EKYB117E ERROR OCCURRED READING DBRC SYSPRINT. REFER TO //EKYWTO FOR DETAILS OF THE ACTUAL ERROR

Explanation: An error has occurred when the Selector attempted to read the SYSPRINT data set. More error details can be found in the EKYWTO data set or in the JES log.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check that a DD statement for SYSPRINT exists in the Selector JCL. DD SYSOUT=* should not be specified because the Selector must be able to read this data set.

Module: EKYB100X

EKYB119E DATABASE *dbid* HAS BEEN CREATED, BUT HAS NOT BEEN ASSIGNED A START TIMESTAMP

Explanation: An ADDDBASE command was issued to create a database, but no ASSIGNTSM command was issued to assign a start time to the database within one of the selected groups.

Severity: Error.

System action: Processing is terminated.

Programmer response: Issue an ASSIGNTSM command to assign a start time to the database. Resubmit the Selector.

Module: EKYB100X

EKYB120E AN APPARENT DATA MISMATCH EXISTS IN THE SELECTOR CONTROL FILE. DATABASE *dbid* HAS NEWSTART SET ON, BUT HAS NO START TIMESTAMP.

Explanation: The Selector Control File indicates that a

database start time has been assigned, but the timestamp is not present. This is a data integrity error.

Severity: Error.

System action: Processing is terminated.

Programmer response: Save the Selector Control File and, if available, the dump information. Check that the timestamp facility ASSIGNTSM command completed successfully.

Contact IBM Software Support for assistance.

Module: EKYB100X

EKYB121E THE SELECTOR WAS UNABLE TO DETERMINE THE START TIME FOR GROUP *grp*

Explanation: An error occurred while the Selector was determining the start time for one of the selected groups.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check for any previously issued error messages. If the problem cannot be resolved, contact IBM Software Support.

Module: EKYB100X

EKYB122E STOP=TSM HAS BEEN SPECIFIED ON A SELECT STATEMENT, BUT NO STOP TIMESTAMP ID HAS BEEN GIVEN

Explanation: If the value TSM is specified for the SELECT statement keyword STOP=, then the ID= keyword is also required. The ID= value must be an existing stop timestamp id for this group.

Severity: Error.

System action: Processing is terminated.

Programmer response: Specify a timestamp ID using the ID= keyword on the SELECT statement, or change the value of the STOP= keyword. Resubmit the Selector.

Module: EKYB100X

EKYB123E ID=*tsmid* HAS BEEN SPECIFIED ON A SELECT STATEMENT, BUT STOP=TSM HAS NOT. A STOP TIMESTAMP ID CAN ONLY BE SPECIFIED WITH STOP=TSM.

Explanation: The ID= keyword has been specified on a SELECT statement, but the corresponding keyword value STOP=TSM has not.

Severity: Error.

System action: Processing is terminated.

Programmer response: Either change the STOP=

value to STOP=TSM or remove the ID= keyword, and resubmit the Selector.

Module: EKYB100X

EKYB124E THE STOP TIMESTAMP ID *tsmid* SPECIFIED FOR GROUP *grp* CANNOT BE FOUND

Explanation: A stop timestamp ID was specified for this group but either the ID:

- Has not been created for the group using the CREATETSM STOP command.
- Has already been used for selection.

Severity: Error.

System action: Processing is terminated.

Programmer response: To create a new stop timestamp ID for the group, use the CREATETSM STOP command, or change the SELECT statement STOP= value so that it does not try to use this stop timestamp ID, and resubmit the Selector.

Module: EKYB100X

EKYB125E INTERNAL ERROR BUILDING THE GROUP LIST. EXCEPTION RAISED *excp*

Explanation: An internal error (*excp*) has been found.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check the exception code and the EKYTRACE and SYSUDUMP data sets for further information.

Correct the problem and resubmit the job. If the problem cannot be identified or fixed, contact IBM Software Support.

Module: EKYB100X

EKYB126I A TIME ZONE CHANGE HAS TAKEN PLACE SINCE THE LAST SELECTOR EXECUTION. THE SELECTOR START TIME IS BEING TAKEN USING THE OLD TIME ZONE OFFSET.

Explanation: The Selector has detected a time zone change since the last Selector execution. The time has changed backwards. The Selector will determine the start time based on the previous time zone offset. This will not compromise data integrity.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB100X

EKYB127I **A TIME ZONE CHANGE HAS TAKEN PLACE SINCE THE LAST SELECTOR EXECUTION. THE DE FACTO SELECTOR START TIME IS BEING TAKEN USING THE NEW TIME ZONE OFFSET.**

Explanation: The Selector has detected a time zone change since the last Selector execution. The time has changed forwards, and the Selector will determine the start time based on the current time zone offset. This will not compromise data integrity.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB100X

EKYB128E **THE NEWSTART TIME SET FOR DATABASE *dbname* WAS SET IN A DIFFERENT TIME ZONE. IT CANNOT BE USED.**

Explanation: The time zone offset that was active when the database start time was assigned differs from the current time zone offset. The Selector cannot propagate using this start time.

Data integrity is not guaranteed in these circumstances.

Severity: Error.

System action: Processing is terminated.

Programmer response: IMS DPROP requires that, before the time zone offset is changed, all propagation groups are selected up to the time change. If this has not occurred, the database *dbname* should be resynchronized. This may correspond with a time change for daylight savings.

Module: EKYB100X

EKYB129I **SELECTOR CONTROL FILE RECOVERY HAS STARTED**

Explanation: The previous run of the Selector did not complete successfully.

The changes that were made to the Selector Control File (//EKYSCF) by the failed Selector run are *backed out*. The database newstart records for a group that marked "used" are reset and all groups that were marked as "selected" in the previous run are marked "unselected".

Once these changes have been *backed out*, the Selector continues as normal.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB115X

EKYB130I **NEWSTART FLAG HAS BEEN SET ON IN SCF 0302 RECORD FOR DATABASE *db* IN GROUP *grpid***

Explanation: The Selector Control File Recovery process has found a database newstart record for the database and group specified and has reset the database start flag to **Y**. The Selector starts processing IMS updates for this database from the time specified on this record.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB115X.

EKYB131I **SELECT FLAG HAS BEEN SET OFF IN SCF 0305 RECORD FOR GROUP *grpid* WITH TIMESTAMP *tsmp***

Explanation: The Selector Control File Recovery process has found a group stop record for the group and timestamp specified, and has reset the Select flag to **N**. The Selector processes IMS updates for this group until the time specified on this record.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB115X

EKYB132I **SELECTOR CONTROL FILE RECOVERY HAS COMPLETED - HIGHEST RETURN CODE *rc***

Explanation: The Selector Control File Recovery process has completed with the return code *rc*.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB115X

EKYB133E **AN ERROR HAS OCCURRED DURING SELECTOR CONTROL FILE CLEAN-UP**

Explanation: The SCF Clean-up process has failed with a return code greater than 4. The previous error message gives details of the error.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check any previously issued error messages for further information.

Module: EKYB100X

**EKYB134E MULTIPLE SELECT STATEMENTS ARE
NOT ALLOWED WITH SELECT ALL**

Explanation: A SELECT statement in the EKYSIDS data set specifies SELECT ALL. No other SELECT statements are allowed in this case.

Severity: Error.

System action: Processing is terminated.

Programmer response: Edit the EKYSIDS data set and remove either:

- The SELECT ALL statement
- All other SELECT statements.

Module: EKYB100X

**EKYB135E NO VALID CONTROL STATEMENTS
WERE FOUND IN THE SELECTOR
INPUT DATA SET**

Explanation: Either:

- No SELECT statements were found in the EKYSIDS data set.
- All the SELECT statements were invalid.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check for the following:

- Further messages which indicate errors in the SELECT statements.
- That the EKYSIDS data set is not empty.

Module: EKYB100X

**EKYB136E ENQUEUE ON SELECTOR CONTROL
FILE FAILED**

Explanation: An attempt by the Selector to enqueue on the Selector Control File failed. A program that references the Selector Control File may have enqueued with exclusive access to the file.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check whether other instances of the Selector or IMS DPROP utility programs are currently executing before resubmitting the Selector.

Module: EKYB100X

**EKYB137E emsg.DEQUEUE ON SELECTOR
CONTROL FILE FAILED.**

Explanation: An attempt by the Selector to dequeue on the Selector Control File failed.

Severity: Error.

System action: Processing is terminated.

Programmer response: Identify the cause of the error, and rerun the Selector.

Module: EKYB100X

**EKYB138E GROUP *grpid* HAS BEEN SPECIFIED
TWICE IN //EKYSIDS**

Explanation: The group *grpid* has been specified for selection twice in the Selector Input Data set. Different or conflicting selection criteria may also have been used.

Severity: Error.

System action: Processing is terminated.

Programmer response: The Selector Input Data set can contain multiple SELECT statements, Each SELECT statement can specify a number of groups for selection, but a group can be specified only once.

Module: EKYB105X

**EKYB139E THE STOP TIMESTAMP *tsm_id* FOR
GROUP *group_id* WAS CREATED IN A
DIFFERENT TIME ZONE. IT CANNOT
BE USED.**

Explanation: A time zone change, for example, daylight savings, has taken place since the stop timestamp *tsm_id* was created for this group. The stop timestamp specified is no longer valid.

Severity: Error.

System action: Processing is terminated.

Programmer response: Delete the stop timestamp and recreate it to create a consistent stop timestamp for this group before resubmitting the Selector.

Module: EKYB100X

**EKYB201E RETURN CODE *rc* FROM DBRC
MODULE DSPURX00**

Explanation: DBRC has returned the non-zero return code *rc*.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check the IMS DPROP SELPRINT data set for more information on any error messages produced by DBRC.

Module: EKYB200X

EKYB202E UNABLE TO CLOSE THE DBRC SYSIN DATASET.

Explanation: An error occurred while the Selector was preparing the SYSIN data set for DBRC.

Severity: Error.

System action: Processing terminates.

Programmer response: The Selector must be able to write to the SYSIN data set. Check the SYSIN DD statement in the Selector JCL to ensure the following:

- SYSIN is not coded as SYSIN DD *
- The Selector has write access to the data set.

Module: EKYB200X

EKYB203E ERROR OCCURRED WHILE WRITING TO DBRC SYSIN.

Explanation: An error occurred while the Selector was preparing the SYSIN data set for DBRC.

Severity: Error.

System action: Processing terminates.

Programmer response: The Selector must be able to write to the SYSIN data set. Check that the:

- SYSIN DD statement in the Selector JCL is not coded as SYSIN DD *
- Selector has write access to the data set.

Module: EKYB200X

EKYB204E A LOG REQUIRED FOR SUBSYSTEM *ssid* IS NOT CLOSED. THE DDNAME IS NOT AVAILABLE.

Explanation: The stop time in DBRC RECONs for the subsystem *ssid* is zero. The log is considered to be open and unavailable to the Selector.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check that the IMS archive job for this log completed successfully.

Module: EKYB200X

EKYB205E PREMATURE END OF FILE REACHED ON DBRC JCLOUT. FULL LOG INFORMATION CANNOT BE RETRIEVED FOR SUBSYSTEM *ssid*

Explanation: The Selector uses the DBRC GENJCL.USER command to retrieve information about subsystem logs. The information returned by DBRC is incomplete.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check for previous error messages from DBRC. Ensure that the DBRC skeleton JCL member EKYSLDS that is created during IMS DPROF installation has not been modified.

If the JCLOUT data set is defined as a temporary data set, change the JCLOUT DD statement in the Selector JCL to define a permanent data set, and examine the resulting data after recreating the problem.

If the problem cannot be identified or fixed, contact IBM Software Support.

Module: EKYB200X

EKYB206E ERROR OCCURRED WHILE OPENING DBRC JCLOUT DATASET

Explanation: An OPEN error has occurred on the JCLOUT data set which contains data returned by DBRC.

Severity: Error

System action: Processing is terminated.

Programmer response: Check that a DD statement for JCLOUT exists in the Selector JCL.

DD SYSOUT=* should not be specified because the Selector must be able to read this data set.

Module: EKYB250X, EKYB260X

EKYB207E INTERNAL ERROR OCCURRED WHILE BUILDING THE LOG FILES CONTROL BLOCK

Explanation: An internal error has been found.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check the EKYTRACE and SYSUDUMP data sets for further information. If possible, correct the problem and resubmit the job. If the problem cannot be identified or fixed, contact IBM Software Support.

Module: EKYB200X

EKYB208E INTERNAL ERROR WITH DATE/TIME TRANSLATION. EXCEPTION RAISED *excp*

Explanation: An internal error, as described by *excp*, has been found.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check the exception code, and the EKYTRACE and SYSUDUMP data sets for more information. If possible, correct the problem and resubmit the job.

If the problem cannot be identified or fixed, contact IBM Software Support.

Module: EKYB200X

**EKYB209E INTERNAL ERROR ACCUMULATING
SSID LOG DATA. EXCEPTION RAISED**
excp

Explanation: An internal error, as described by *excp*, has been found. The exception code, and the EKYTRACE and SYSUDUMP data sets may provide more information.

Severity: Error.

System action: Processing is terminated.

Programmer response: Correct the problem and resubmit the job. If the problem cannot be identified or fixed, contact IBM Software Support.

Module: EKYB200X, EKYB210X, EKYB250X, EKYB260X, and EKYB270X

**EKYB210E A PERIOD OF TIME EXISTS WHERE
NO LOGS ARE AVAILABLE FOR A
SUBSYSTEM** *ssid*

Explanation: The Selector has detected that one or more logs which may contain propagation records for the subsystem *ssid* are missing.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check the accompanying messages EKYB220, EKYB221, and EKYB222. They contain more details on the logs found and the time interval for which the missing logs were expected. Ensure that all IMS archive jobs for this subsystem completed successfully.

Module: EKYB200X

**EKYB211E A LOG REQUIRED FOR DATABASE,
DDNAME** *dbname* **IS NOT CLOSED**

Explanation: The stop time held in DBRC RECONS for a required log is zero. It is considered open and unavailable to the Selector.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check if the batch jobs that update the database *dbname* are currently running. The required log may still be allocated.

Module: EKYB260X

**EKYB212E PREMATURE END OF FILE REACHED
ON DBRC JCLOUT. FULL LOG
INFORMATION CANNOT BE
RETRIEVED FOR DATABASE DDNAME
COMBINATION:** *dbname*

Explanation: The Selector uses the DBRC GENJCL.USER command to retrieve information about DBDS logs. The information returned by DBRC is incomplete.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check for previous error messages from DBRC. Ensure that the DBRC skeleton JCL member EKYRLDS created during IMS DPROP installation has not been modified. If the JCLOUT data set is defined as a temporary data set, change the JCLOUT DD statement in the Selector JCL to define a permanent data set. Recreate the problem, and examine the resulting data to resolve the problem.

If the problem cannot be identified or fixed, contact IBM Software Support.

Module: EKYB260X

**EKYB213E THE SELECTOR DETERMINED STOP
TIME IS EARLIER THAN THE STOP
TIME SPECIFIED FOR GROUP** *grp*.
**THE SELECTOR CANNOT PROCESS
THAT GROUP.**

Explanation: The Selector cannot satisfy the selection requirements for the group *grp*.

Severity: Error.

System action: Processing is terminated.

Programmer response: If a number of groups have been selected, and STOP=INTERIM has been specified for one or more groups, the Selector stop time may have been adjusted backwards due to a log gap for a subsystem associated with another group. Check whether the message EKYB210E has been issued. It gives details of log gaps.

Module: EKYB200X

EKYB214W NO DATABASES IN GROUP *grp* **HAVE
A START TIME EARLIER THAN THE
STOP TIME FOR THAT GROUP. NO
DATA FOR THIS GROUP WILL BE
SELECTED IN THIS SELECTOR
EXECUTION.**

Explanation: Data selection for databases in this group is not relevant to the current selector execution as the start time for each database is later than the current group stop time.

Severity: Warning.

System action: Processing continues

Programmer response: None.

Module: EKYB200X

**EKYB215E AN I/O ERROR OCCURRED WHILE
READING PRILOG INFORMATION
FROM DBRC SYSPRINT.**

Explanation: An error occurred when the Selector attempted to read the SYSPRINT data set.

Severity: Error.

System action: Processing is terminated.

Programmer response: Examine either the JES log or the EKYWTO data set or both for further information.

Check that a DD statement for SYSPRINT exists in the Selector JCL.

DD SYSOUT=* should not be specified because the Selector must be able to read this data set.

Module: EKYB210X, EKYB215X

**EKYB216W AN ERROR OCCURRED WHILE
READING CDCDS INFORMATION
FROM DBRC JCLOUT. CDCDS
DATASETS MAY BE IGNORED.
SELECTOR PROCESSING WILL
CONTINUE.**

Explanation: An error has occurred reading the //EKYSDBRC data set which contains data returned by DBRC.

Although this error causes CDCDS selection to fail, processing continues as the appropriate SLDS is used instead.

Severity: Warning.

System action: Processing continues.

Programmer response: Check that a DD statement for JCLOUT exists in the Selector JCL.

Check that a DD statement for SYSPRINT exists in the Selector JCL.

DD SYSOUT=* should not be specified because the Selector must be able to read this data set.

Module: EKYB200X

**EKYB217W INTERNAL ERROR ACCUMULATION
CDCDS DATA. EXCEPTION RAISED
*excp***

Explanation: An internal error, as described by *excp*, has been found.

Although this error causes CDCDS selection to fail, processing continues as the appropriate SLDS is used instead.

Severity: Warning.

System action: Processing continues.

Programmer response: None.

This message can be ignored. The selector could not locate the CDCDS log files, but will use the corresponding SLDS log files.

Module: EKYB280X

**EKYB218W AN ERROR OCCURRED WHILE
READING CDCDS INFORMATION
FROM DBRC SYSPRINT. CDCDS
DATASETS MAY BE IGNORED.
SELECTOR PROCESSING WILL
CONTINUE.**

Explanation: An error occurred while reading the SYSPRINT data set. This data set contains data returned by DBRC.

Although this error causes CDCDS selection to fail, processing continues as the appropriate SLDS is used instead.

Severity: Warning.

System action: Processing continues.

Programmer response: Check that a DD statement for SYSPRINT exists in the Selector JCL.

Check that a DD statement for SYSPRINT exists in the Selector JCL.

DD SYSOUT=* should not be specified because the Selector must be able to read this data set.

Module: EKYB280X

**EKYB219W INTERNAL ERROR RETRIEVING LFCB
DATA. EXCEPTION RAISED *excp***

Explanation: An internal error, as described by *excp*, has been found.

Although this error causes CDCDS selection to fail, processing continues as the appropriate SLDS is used instead.

Severity: Warning.

System action: Processing continues.

Programmer response: None.

This message can be ignored. The selector could not locate the CDCDS log files, but will use the corresponding SLDS log files.

Module: EKYB280X

EKYB220I THE FOLLOWING LOGS HAVE BEEN LOCATED FOR THE SUBSYSTEM of *ssid*:

Explanation: This message precedes EKYB221I which lists the logs that have been located and which may contain propagation records relevant to the selected propagation groups. The message lists the specific subsystem name.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB210X

EKYB221I *log_dsn log_start log_stop*

Explanation: This message lists the log data sets that contain propagation records relevant to the selected propagation groups. The message lists:

- The log data set name
- The log start time
- The log stop time

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB210X

EKYB222E THE UNLOGGED PERIOD IS BETWEEN THE IMS TIMESTAMPS *tsmp* AND *etsmp*

Explanation: A log required for a subsystem is missing. The time period that the log was expected for is between the timestamp *tsmp* and *etsmp*.

Severity: Error.

System action: Processing terminates.

Programmer response: This message accompanies messages EKYB210, EKYB220, and EKYB221 which provide further information about the error.

Module: EKYB200X

EKYB223W NO LOGS WERE FOUND FOR THE SUBSYSTEM *ssid*

Explanation: No logs were found for a subsystem associated with one or more of the selected propagation groups. This is a normal situation if the identified subsystem was inactive for the selection period. However, it may indicate that the subsystem has been incorrectly identified in the Selector Control file.

Severity: Warning.

System action: Processing continues.

Programmer response: If applicable, check the

definition of the subsystem in the Selector Control file.

Module: EKYB210X

EKYB224I THE SELECTOR STOP TIME IS DETERMINED TO BE THE POINT OF DISCONTINUITY OF THE IMS LOG FILES

Explanation: A log gap was found for a subsystem when STOP=INTERIM was specified on the SELECT statement. The Selector has adjusted its stop time to the start time of the log gap.

Severity: Information

System action: Processing continues.

Programmer response: None.

Module: EKYB210X

EKYB225I THE FOLLOWING IMS LOG FILE(S) WILL BE READ BY THE SELECTOR

Explanation: The Selector displays this message, followed by a list of EKYB230I messages containing the data set names and start and stop times of each log required for execution.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB200X

EKYB226I NO LOGS WERE FOUND FOR *status* SUBSYSTEM *ssid*

Explanation: No logs were found for a subsystem associated with one or more of the selected propagation groups. This may indicate a normal situation if the identified subsystem was inactive for the selection period. However, it may indicate that the subsystem has been incorrectly identified in the Selector Control file. The message lists:

- The identity of the subsystem
- Whether the subsystem status is "active" or "inactive"

Severity: Information.

System action: Processing continues.

Programmer response: If applicable, check the definition of the subsystem(s) in the Selector Control file.

Module: EKYB210X

EKYB227E THE STOP TIME SPECIFIED OR DETERMINED FOR GROUP *grpid* IS LATER THAN THE SELECTOR EXECUTION TIME. THE STOP TIME IS *tsm*

Explanation: Either:

- The stop time specified for a selected propagation group *grpid* using SELECT GROUP=*grpid*, STOP=*USERTIME*.
- The stop time determined for *grpid* from a stop timestamp is in the future. This is not allowed.

Severity: Error.

System action: Processing is terminated.

Programmer response:

1. Change the specified stop time for group *grpid* on the SELECT statement
2. Create a new stop timestamp or use STOP=INTERIM.
3. Reselect the group.

Module: EKYB210X

EKYB228E THE SELECTOR CANNOT CONTINUE PROCESSING AS NO ARCHIVED LOG EXISTS FOR THE TIME PERIOD DETAILED ABOVE

Explanation: The messages EKYB210E and EKYB222E are displayed in association with this message. The Selector cannot continue processing as a number of the logs required are not available.

Severity: Error.

System action: Processing is terminated.

Programmer response: To determine the cause of this error message, refer to the explanation for messages EKYB210E and EKYB222E.

Module: EKYB210X

EKYB229I THE UNLOGGED TIME PERIOD DETAILED ABOVE IS FOLLOWED BY A PERIOD FOR WHICH ARCHIVED LOGS EXIST. LOG ARCHIVING MAY HAVE FAILED

Explanation: A log gap has been found that is followed by a correctly logged period. This implies that an archive may have failed.

Severity: Information.

System action: Processing may terminate. due to associated messages.

Programmer response: Refer to the associated messages EKYB210 and EKYB222 to determine the start and end times of the log gap, and to identify the archive job that failed.

Module: EKYB210X

EKYB230I Log Dataset Name log start time log end time

Explanation: This is an information message that lists the data set name, start and end times for each log that is required for Selector processing. The start and end times are displayed in the IMS DBRC format YYDDHHMMSS.

Severity: Information.

System action: Processing continues

Programmer response: None

Module: EKYB200X

EKYB231I NO LOG RECORDS WILL BE SELECTED BECAUSE THERE IS NO LOG FILE AVAILABLE FOR THE SUBSYSTEM(S) IDENTIFIED ABOVE

Explanation: No logs were found for the subsystem(s) identified in earlier messages found listed above this message. This may identify a normal situation if the subsystem(s) were inactive for the selection period. However, it may indicate that one or more subsystems have been incorrectly defined in the Selector Control file.

Severity: Information.

System action: Processing continues

Programmer response: If applicable, check the definition of the subsystem(s) in the Selector Control file.

Module: EKYB200X

EKYB301I LOG PROCESSING FOR GROUP *grpid* COMPLETED SUCCESSFULLY

Explanation: The selector has completed processing of the group without error. Selected propagation records are written to the PRDS for the group and any uncommitted log records are written to the ULR data set. The group is marked as selected in the Selector Control file.

Severity: Information.

System action: Processing continues.

User response: None.

Module: EKYB300X

EKYB302E FAILED WHILE INSERTING ELEMENT IN *cntl_blk*

Explanation: An error occurred while inserting data in the internal control block *cntl_blk*. The reason could be one of the following:

- Data has become corrupted
- Storage is not available
- A data integrity problem

Severity: Error.

System action: Processing terminates.

Programmer response: Correct the problem and resubmit the job.

If the problem cannot be identified or fixed, contact IBM Software Support.

Module: Various IMS DPROP Selector modules.

EKYB303E FAILED WHILE RELEASING STORAGE FOR *cntl_blk*

Explanation: The selector was unable to release storage previously allocated. The reason could be one of the following:

- Data has become corrupted.
- A data integrity problem has occurred.

Severity: Error.

System action: Processing terminates.

Programmer response: Correct the problem and resubmit the job.

If the problem cannot be identified or fixed, contact IBM Software Support.

Module: Various IMS DPROP Selector modules.

EKYB304E UNABLE TO ALLOCATE STORAGE FOR *cntl_blk*

Explanation: The program failed to allocate storage for the internal control block *cntl_blk*.

Severity: Error.

System action: Processing is terminated.

Programmer response: Correct the problem and resubmit the job.

If the problem cannot be identified or fixed, contact IBM Software Support. Increase the virtual storage available for running the selector, and rerun the job.

Module: Various IMS DPROP Selector modules.

EKYB305E UNABLE TO PROCESS DATA IN *cntl_blk*

Explanation: An internal error has occurred in the IMS DPROP control block *cntl_blk*. The reason could be one of the following:

- Data has become corrupted.
- Storage is not available.
- A data integrity problem has occurred.

Severity: Error.

System action: Processing terminates.

Programmer response: Correct the problem, and resubmit the job.

If the problem cannot be identified or fixed, contact IBM Software Support.

Module: Various IMS DPROP Selector modules.

EKYB306E INVALID DATA PASSED TO MODULE *pgm*

Explanation: The data passed to the module *pgm* was not in the expected format. An internal control block may be corrupted.

Severity: Error.

System action: Processing terminates.

Programmer response: Correct the problem and resubmit the job.

If the problem cannot be identified or fixed, contact IBM Software Support.

Module: Various IMS DPROP Selector modules.

EKYB307E UNABLE TO LOCATE ELEMENT IN *cntl_blk*

Explanation: An internal IMS DPROP error has occurred. An internal control block may be corrupted.

Severity: Error.

System action: Processing is terminated.

Programmer response: Correct the problem and resubmit the job.

If the problem cannot be identified or fixed, contact IBM Software Support.

Module: Various IMS DPROP Selector modules.

EKYB310E FAILED TO OPEN FILE *file_name*

Explanation: The Selector was unable to open the file *file_name* because:

- An I/O error has occurred.
- The file no longer exists.
- In the case of a PRDS, the DD name was not specified in the JCL.

Severity: Error.

System action: Processing terminates.

User response: Check that the file exists and that it can be browsed.

In the case of a PRDS, check that the DD statement exists in the JCL for the file. The DD name must be the same as the Groupname.

In the case of an IMS logfile, check that the file exist and that it can be browsed. If the file does not exist, or is corrupted, contact your IMS DBRC support person to

report that the log file, *file_name*, is causing problems.

System programmer response: Check that the IMS Archive process completed successfully and that the file *file_name* is working. If not, inform the IMS DPROP user that one of the IMS log files is missing or corrupt and that propagation may cause problems. IMS and DB2 may require synchronization again.

Module: EKYB301X, EKYB310X

EKYB311E FAILED TO RETRIEVE THE FULLY QUALIFIED DATASET NAME OF THE PRDS *grpid*

Explanation: An attempt to retrieve the fully qualified DSN of the PRDS using the DDNAME has failed.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check that the PRDS is an allocated sequential file.

Module: EKYB301X

EKYB312E ERROR OCCURRED WHILE WRITING RECORD TO THE FILE *file_name*

Explanation: An I/O error occurred while writing a record to the file *file_name*.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check that the file exists and that it can be allocated.

Module: EKYB301X

EKYB313E FAILED TO CLOSE FILE *file_name*

Explanation: Unable to close the file *file_name*.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check that the file exists and that it can be allocated.

Module: EKYB301X

EKYB314E ERROR OCCURRED WHILE WRITING HEADER RECORD TO PRDS FILE FOR GROUP *grpid*

Explanation: An error has occurred while writing the header record of the PRDS to the file of PRDS records.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check that the file exists and that it can be allocated.

Module: EKYB301X

EKYB315E ERROR OCCURRED WHILE WRITING TRAILER RECORD TO PRDS FILE FOR GROUP *grpid*

Explanation: An error occurred while writing the trailer record of the PRDS to the file of PRDS records.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check that the file exists and that it can be allocated.

Module: EKYB301X

EKYB316E INVALID CALL MADE TO EKYB301X

Explanation: The module has detected an invalid record type as a parameter.

Severity: Error.

System action: Processing is terminated.

Programmer response: Correct the problem, and resubmit the job.

If the problem cannot be identified or fixed, contact IBM Software Support.

Module: EKYB301X

EKYB317E INVALID DATA PASSED TO EKYB301X

Explanation: The data passed to the module EKYB301X was not in the expected format. An internal control block may be corrupted.

Severity: Error.

System action: Processing is terminated.

Programmer response: Correct the problem and resubmit the job.

If the problem cannot be identified or fixed, contact IBM Software Support.

Module: EKYB301X

EKYB318E INVALID UOW ID PASSED TO EKYB301X

Explanation: The module failed to validate the Unit of Work ID passed into it.

Severity: Error.

System action: Processing is terminated.

Programmer response: Correct the problem, and resubmit the job.

If the problem cannot be identified or fixed, contact IBM Software Support.

Module: EKYB301X

**EKYB319E ERROR OCCURRED WHILE WRITING
UOW RECORD TO PRDS FILE FOR
GROUP *grpid* AND UOW *uowid***

Explanation: An I/O error has occurred while writing a Unit of Work record to the file of PRDS records.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check that the file exists and that it can be allocated.

Module: EKYB301X

**EKYB320E FAILED WHILE READING RECORD
FROM *file_name***

Explanation: The Selector was able to dynamically allocate and open the file *file_name*, but was unable to read a record from the file. The file may be corrupted, for example, either:

- An I/O error has occurred.
- The file may have been deallocated or deleted.
- The file is either an IMS SLDS or a CDCDS.

Severity: Error.

System action: Processing terminates.

User response: Check that the file exists and that it can be browsed. If this is unsuccessful, inform your DBRC support person of the problem with the file.

System programmer response: Check that the IMS Archive process completed successfully and that the file *file_name* is working. If it is not working, inform the IMS DPROP user that one of the IMS log files is missing or corrupt and that propagation may cause problems. IMS and DB2 may require synchronization again.

Module: EKYB310X

**EKYB321I ALL IMS LOG FILES HAVE BEEN
READ**

Explanation: The selector has read through all of the IMS log files identified by the DBRC interface.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB310X

**EKYB322E NONZERO CODE RETURNED BY
MACRO *macro* WHEN RETRIEVING JCL
ALLOCATION RESOURCES.
RETURN CODE (R15): *rc*
DDNAME: *dataset name*
ERROR REASON CODE: *errcod***

ERROR INFORMATION CODE: *infcod*

Explanation: The MVS™ DYNALLOC macro was not able to dynamically allocate the data set *dataset name* as indicated by the error reason code and error information code displayed. The file is either an IMS SLDS or a CDCDS file.

Severity: Error.

System action: Processing is terminated.

User response: Refer to the *MVS/ESA Authorized Assembler Services Guide* for an explanation of the error reason code and error information code displayed. Correct the problem, and resubmit the Selector.

Module: EKYB310X, EKYB312X

**EKYB323W NO LOG FILES ARE AVAILABLE TO
PROCESS**

Explanation: The Selector DBRC Interface has determined that there are no log files that satisfy the selector start and stop times. Processing continues and the selector creates a PRDS for each group containing only header and trailer records.

Severity: Warning.

System action: Processing continues.

User response: None.

Module: EKYB300X

EKYB324E NO GROUPS TO PROCESS

Explanation: Based on information passed by the initialization phase, the log processing phase of the Selector has determined that there are no groups to process.

Severity: Error.

System action: Processing terminates.

User response: Check and identify the problem using the previous messages produced by this run of the Selector. Correct the problem identified by these messages.

Module: EKYB300X

**EKYB325E ERROR OCCURRED DURING
COMPLETION OF LOG PROCESSING
FOR GROUP *grpid***

Explanation: A problem occurred during the completion of log processing for the group *grpid*. The reason could be either:

- I/O problem with the PRDS
- Storage problems
- Internal control block problems

Severity: Error.

System action: Processing terminates.

Programmer response: Check for previous messages produced by the Selector to identify the cause of the problem.

Module: Various IMS DPROP modules.

EKYB326E INTERNAL SEQUENCE ERROR IN IMS LOG FILE WITH DSNAME *dsn* IN THE RECORD WITH RECOVERY TOKEN OF *uow* AND STCK OF *tsm*

Explanation: A Change Data Capture 9904 type record in the IMS log file with data set name of *dsn* is not in the expected format. To further identify the exact record in error within the log file, the recovery token *uow* and STCK *tsm* are also displayed.

Severity: Error.

System action: Processing terminates.

User response: Save the log file with the *dsn* identified in this message. If the file is a CDCDS, also locate and save the corresponding SLDS. Contact IBM Software Support and inform them that an IMS log file being processed by the Selector contains an X'9904' log record that is not in the expected format.

System programmer response: Check that the DBD has been altered correctly for the IMS ACDC exit as detailed in the *Administrators Guide for Log Asynchronous Propagation*. Ensure that the file has not been corrupted. If the file cannot be reproduced, then it may be necessary to resynchronize the data target with the source using an Extract and Load.

Module: EKYB320X

EKYB327E INTERNAL DPROP ERROR DECOMPRESSING IMS LOG RECORD

Explanation: IMS DPROP uses the MVS compression service CSRCESTRV to expand the compressed IMS log data. The CSRCESTRV is either:

- Not available
- Not at the correct level

Severity: Error.

System action: Processing terminates.

Programmer response: Check that the MVS compression service CSRCESTRV is available and at the correct level. For more information, see the *OS/390 MVS Application Development Macro Reference*.

Module: EKYB320X

EKYB328E NO MATCH FOUND FOR GROUP *grpid* IN GROUP/UOW/RECORD CONTROL BLOCK

Explanation: The module expected to find a match for the group *grpid* in the internal Group/UOW/record control block. This match was not found so the IMS

CDC 9904 log record is not written to the PRDS for the group.

Severity: Error.

System action: Processing is terminated.

User response: Check for a previous message that may indicate an earlier problem. If no previous messages exist, contact IBM Software Support for assistance.

Module: EKYB380X

EKYB329E UNABLE TO WRITE CDC 9904 RECORD TO GROUP *grpid*, RECOVERY TOKEN *uowid*, PST NUMBER *pst_num*

Explanation: An internal error occurred while processing an IMS CDC 9904 record. This may be caused for example, by not enough storage being available to handle the request. The record is not written to the PRDS for the group.

Severity: Error.

System action: Processing is terminated.

User response: Check for a previous message that may indicate an earlier problem. If no previous messages exist, contact IBM Software Support for assistance.

Module: EKYB380X

EKYB330W COMMIT RECORD NOT LAST IN CHAIN

Explanation: Log records have been found after the Commit record.

Severity: Warning.

System action: Processing continues.

Programmer response: None.

Module: EKYB301X

EKYB331E COMMIT RECORD NOT FOUND IN CHAIN

Explanation: The module could not locate a Commit record in the chain of UOW records.

Severity: Error.

System action: Processing is terminated.

Programmer response: Correct the problem and resubmit the job.

If the problem cannot be identified or fixed, contact IBM Software Support.

Module: EKYB301X

EKYB333E UOW INQUIRY RECORD NOT FOUND IN CHAIN

Explanation: This message is issued when internal inconsistencies are found within the uncommitted log record (ULR) data set. In particular, a record with key "3INQ....." was not found corresponding to a previously found record with the key "2log....."

This problem can occur if records are inappropriately removed from the ULR during a clean up.

Severity: Error

System action: Processing continues.

Programmer response: None.

Module: EKYB301X

EKYB340W NO MATCH FOUND ON RECOVERY TOKEN *uowid* for IMS record type RECORD WITH TOKEN *token*

Explanation: This message is produced when processing IMS ROLS records where no matching SETS record can be found with the same token. The IMS ROLS record on the log file is ignored.

Severity: Warning.

System action: Processing continues.

Programmer response: None.

Module: EKYB350X, EKYB360X

EKYB341E SELECTOR STOP TIME IS ZERO

Explanation: The DBRC phase of the selector has determined that the selector stop time is zero.

Severity: Error.

System action: Processing terminates.

Programmer response: Examine the messages produced by the DBRC processing phase of the selector to determine the cause of the problem.

Module: EKYB310X

EKYB342W NO DATABASES DEFINED YET FOR GROUP *grpid*

Explanation: There are no database records defined yet for the group *grpid* in the Selector Control file. The selector is unable to determine if an IMS CDC 9904 log record is relevant to the group. The group is ignored, and the next group is processed.

Severity: Warning.

System action: Processing continues.

User response: Define the databases, segments, and fields you want to propagate using the SCF batch I/F apply jobs, as described in the appropriate

Administrators Guide for your propagation mode. If you do not intend to propagate data for the group, remove the group from the SCF.

Module: EKYB320X

EKYB343E ERROR OCCURRED WHILE READING THE IMS LOG FILES

Explanation: The selector detected at least one error while reading the IMS log files. Any previous messages produced will describe the problem.

Severity: Error.

System action: Processing terminates.

Programmer response: Examine any previous error messages produced by this run of the selector. This error message can also occur if the wrong keywords are specified on the 'EXIT=' parameter of the IMS DBD. When using IMS DPROP in asynchronous mode, the keywords NOKEY and NODATA must **not** be used after the keyword LOG.

Refer to the *IMS/ESA Utilities Reference: System* for IMS 4.1 for a further explanation of the DBD keywords.

Module: EKYB300X

EKYB344E INTERNAL ERROR PREPARING TO WRITE UNCOMMITTED LOG RECORDS FOR GROUP *grpid*. EXCEPTION RAISED *excp*

Explanation: An error was detected while writing to the VSAM KSDS file //EKYULR. The reason for the error is given by the exception raised.

Severity: Error.

System action: Processing terminates.

Programmer response: Check that the data set //EKYULR exists, is initialized, and is allocated with enough space for your environment. Refer to the *IMS DPROP Installation Guide* for more information on the Uncommitted Log Record data set.

Correct the error, and rerun the Selector.

Module: EKYB375X

EKYB345E THE FILE SPECIFIED ON THE //ddname DD STATEMENT IS NOT A VALID UNCOMMITTED LOG RECORD DATASET.

Explanation: The data set *ddname* is not in the expected format for an Uncommitted Log Record data set. The ULR data set must be initialized with a header record. Either the file does not exist or exists but does not contain the required header information.

Severity: Error.

System action: Processing terminates.

Programmer response: Check that the data set //EKYULR has been created and initialized as described in the *IMS DPROF Installation Guide*.

Module: EKYB302X

EKYB346E INTERNAL ERROR OCCURRED WHILE PROCESSING *cntl_blk* CONTROL BLOCK EXCEPTION RAISED *excp*.

Explanation: An internal error has occurred in the IMS DPROF control block. The problem may be one of the following:

- Data has become corrupted.
- Storage is unavailable.
- A data integrity problem occurred.

Severity: Error.

System action: Processing terminates.

Programmer response: Correct the problem and resubmit the job.

If the problem cannot be identified or fixed, contact IBM Software Support.

Module: Various IMS DPROF Selector modules.

EKYB347I NO FIRST LOG RECORD FOUND FOR UNIT OF WORK *uow* PROCESSING CONTINUES BECAUSE INVUOW KEYWORD = IGNORE

Explanation: The unit of work is missing its first record containing IMS inquiry data. This occurs if a user defined start time for a group or database is assigned that does not match a database quiesce timestamp. If a INVUOW value of IGNORE is specified on the SELECT statement, missing first records are not treated as an error.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB380X

EKYB348E NO FIRST LOG RECORD FOUND FOR UNIT OF WORK *uow* PROCESSING TERMINATES BECAUSE INVUOW KEYWORD = STOP

Explanation: The unit of work *uow* is missing its first record which contains IMS Inquiry data. This occurs if a start time for a group or database is defined that does not match a database quiesce timestamp. Either a value of STOP for the INVUOW keyword on the SELECT statement or no INVUOW keyword at all is specified.

Severity: Error.

System action: Processing terminates.

Programmer response: You can either:

- Rerun the Selector specifying INVUOW=IGNORE for the select statement for the group if you are not interested in the IMS Inquiry data. The IMS Inquiry data is used when determining errors on the Receiver site.
- Assign a new start time to the database involved that matches a database quiesce time.

Module: EKYB380X

EKYB349W THE START TIME *stsm* FOR DATABASE *ddname* IN GROUP *grpid* IS GREATER THAN OR EQUAL TO THE STOP TIME *grptsm* FOR THE GROUP

Explanation: One of the database start times specifies a timestamp in the future. The selector does not use this database start time.

Severity: Warning.

System action: Processing continues.

Programmer response: If the database start time was assigned incorrectly, assign the correct timestamp. Otherwise, the start time assigned will be used.

Module: EKYB370X

EKYB350W THE ERROR LOG FLAG IS SET ON IN IMS LOG FILE *dsn*. THE 9904 LOG RECORD MAY NOT CONTAIN ALL THE DATA NEEDED TO PROCESS THE RECORD. THE RECOVERY TOKEN OF THE 9904 RECORD IS *uow_id* AND THE SEQUENCE NO. IS *seqno*

Explanation: The IMS 9904 log record can contain a large amount of data for cascade deletes, especially when path data is requested. For example, in a CICS/DBCTL environment, there may not be enough room in the data space for IMS to log all of the data for the call. In this case, the error log flag will be set on the 9904 record to indicate that the data is not complete for this call. The IMS data is committed, but the log file may not contain all the data required to propagate the change to DB2.

Severity: Warning.

System action: Processing continues.

Programmer response: If IMS is unable to log all of a 9904 record, (due to an excessively large amount of data in the record), it sets the error flag in the 9904 record. If the Selector reads a 9904 record with an error flag that is set, it issues a warning message and continues processing. Although this error situation is unusual, it can occur with CASCADE deletes if PATH data is specified, particularly with CICS/DBCTL.

To avoid this situation (where a record containing an excessively large amount of data is written to the log), ensure that only the concatenated key and the segment data (not the path data) is written to the log by

specifying one of the following on the DBD:

- If one or more of your Propagation requests specify path data and you have defined RIRs on the target DB2 tables, it is recommended that you specify NOCASCADE (and either PATH or NOPATH), as follows:

```
EXIT=*,LOG(KEY,DATA,PATH(NOCASCADE))
```

Or

```
EXIT=*,LOG(KEY,DATA,NOPATH(NOCASCADE))
```

- If none of your Propagation requests specify path data, it is recommended that you specify NOPATH and CASCADE, as follows:

```
EXIT=*,LOG(KEY,DATA,NOPATH(CASCADE,KEY,NODATA,NOPATH))
```

If you want to propagate path data without defining RIRs for the target DB2 tables, you can specify the following:

```
EXIT=*,LOG(KEY,DATA,PATH(CASCADE,KEY,NODATA,PATH))
```

In this case, your Propagation requests can propagate path data. However, specifying path data and cascade deletes can result in large volumes of log data for a single record, especially if, for example, the root segment is deleted. This data must all be stored in memory before being written to the log and, in extreme circumstances, it can exceed the size of the available memory. If this happens, IMS can only log the portion of the record that is in memory and sets the error flag for the record. When the selector is executed and detects the error flag, it issues a warning message and continues processing.

If this occurs, you must do one of the following:

- Specify NOCASCADE on the EXIT keyword and define RIRs for the target DB2 tables.
- If it is not essential that you specify path data, you can redefine your Propagation requests so that none of them specifies path data and, instead, specify NOPATH and CASCADE on the EXIT keyword.

Module: EKYB315X

EKYB351E MQ FUNCTION *mqseries_function*
FAILED: *RC=return_code,*
RSN=reason_code.

Explanation: An unexpected error was encountered when the Selector accessed its internal MQSeries working queue.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check for other messages that are issued in the same job step to further identify the error. Ensure that the MQSeries queue manager is active and operable. Correct the problem and resubmit the job. If the problem cannot be identified or resolved,

contact IBM Software Support. Save any trace records that were created by IMS DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYB301X

EKYB352E MQCAP FAILED
RC=return_code,RSN=reason_code.

Explanation: The MQ Capture program, EKYMQCAP, that was called by the Selector encountered an error.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check for other messages that are issued in the same job step to further identify the error. Correct the problem, and resubmit the job. If the problem cannot be identified or resolved, contact IBM Software Support. Save any trace records that were created by IMS DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYB301X

**EKYB353E INTERNAL SEQUENCE ERROR
ENCOUNTERED IN THE 9904 RECORD
WITH RECOVERY TOKEN OF *uow* AND
STCK OF *tsm***

Explanation: A Change Data Capture x'9904' type record in the source IMS log data is not in the expected format. See the *IMS/ESA Customization Guide* for information about the format of the IMS ACDC x'9904' log record. The log record cannot be processed.

Severity: Error.

System action: Processing terminates.

Programmer response: Contact IBM Software Support and inform them that the IMS log data Contains an x'9904' log record that is not in the expected format. Verify that the DBD has been altered correctly for the IMS ACDC exit as detailed in the Administration Guide. Verify that the log file has not been corrupted. If the file cannot be reproduced, it might be necessary to resynchronize the IMS and DB2 tables by using an Extract and Load.

Module: EKYB301X

EKYB401E SELECTOR EXECUTION FAILURE

Explanation: The selector has completed but errors have occurred.

Severity: Error.

System action: Processing terminates.

Programmer response: Determine the cause by examining previous error messages. Correct the

problem, and resubmit the job.

Module: EKYB400X

EKYB402I SELECTOR EXECUTION SUCCESSFUL

Explanation: The selector has completed with a return code of 0 or 4. Information messages will be issued.

CDCDS Deletion utility messages

**EKYB501E INVALID NUMBER OF DAYS *NBR*
PASSED VIA PARM= NUMBER OF
DAYS MUST BE IN RANGE 0 TO *MAX***

Explanation: The number of days specified is outside the permitted range.

Severity: Error.

System action: Processing terminates.

Programmer response: Specify a number within the permitted range, and resubmit the job.

Module: EKYB500X

EKYB502E FAILED TO OPEN FILE *file_name*

Explanation: An error occurred while opening the temporary file *file_name*.

Severity: Error.

System action: Processing terminates.

Programmer response: Check that the data set //EKYCDCIN DD statement reflects the sample JCL shipped with DPROP.

Module: EKYB500X

**EKYB503E ERROR OCCURRED WHILE WRITING A
RECORD TO FILE *file_name***

Explanation: An error occurred while writing a record to the temporary file *file_name*.

Severity: Error.

System action: Processing terminates.

Programmer response: Check that the data set

SCF Apply utility

**EKYB601I LIST OF //EKYSIDS INPUT RECORDS
FOLLOWS**

Explanation: The list of SCF (SCF) Administration control statements contained in the EKYSIDS data set follows this message. They are written to the //SELPRINT data set.

Severity: Information.

System action: Processing continues.

Severity: Information.

System action: Processing completes.

Programmer response: None.

Module: EKYB400X

//EKYCDCIN DD statement reflects the sample JCL shipped with DPROP.

Module: EKYB500X

**EKYB504E CDCDS DELETION UTILITY FAILED
DUE TO ERROR**

Explanation: The CDCDS Deletion utility failed to complete processing. This message is preceded by an message that gives details of the exact error.

Severity: Error.

System action: Processing terminates.

Programmer response: Check the preceding message for details of the exact error. Correct it, and resubmit the job.

Module: EKYB500X

**EKYB505I CDCDS DELETION UTILITY
SUCCESSFULLY INITIATED DBRC
WILL BE REQUESTED TO DELETE ALL
CDCDSS WITH A TIMESTAMP LESS
THAN *TSM***

Explanation: The DBRC will be requested to delete CDCDSs. The timestamp is in DBRC format:

YYDDHHMMSSSTH

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB500X

Programmer response: Refer to the *IMS DataPropagator Reference* for further information on SCF Administration control statements.

Module: EKYB600X

EKYB602I *Control_statement*

Explanation: The SCF Administration control statement as specified in the EKYSIDS data set.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB600X

**EKYB603E END OF //EKYSIDS INPUT RECORDS.
INPUT RECORDS HAVE AT LEAST
ONE SYNTAX ERROR**

Explanation: At least one syntax error has been detected by the parser while parsing the SCF Administration control statements specified in the EKYSIDS data set.

Severity: Error.

System action: SCF Apply utility processing terminates.

Programmer response: Determine the control statement or statements causing the error by examining any messages immediately following each control statement or statements written to the //SELPRINT data set. Correct the control statement, and resubmit the SCF Apply utility job.

Module: EKYB600X

**EKYB604E ERRORS FOUND WHILE PARSING
INPUT CONTROL STATEMENTS**

Explanation: An error has been detected while parsing the SCF Administration control statements specified in the EKYSIDS data set.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Examine the preceding error messages to determine the cause of the problem. Correct it, and resubmit the SCF Apply utility job.

Module: EKYB600X

**EKYB605I END OF //EKYSIDS INPUT RECORDS
--- NO SYNTAX ERRORS DETECTED IN
INPUT RECORDS**

Explanation: All the SCF Administration control statements specified in the EKYSIDS data set have been parsed successfully.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB600X

**EKYB606E NO CONTROL STATEMENTS WERE
FOUND IN THE //EKYSIDS DATASET**

Explanation: The SCF Control Statements file (//EKYSIDS) does not contain any control statements.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Specify the required SCF Administration Control Statements in the SCF Control Statements file (//EKYSIDS) and resubmit the SCF apply job. The control statements can be either:

- Manually entered in the //EKYSIDS data set.
- Generated by running the Group Unload utility and SCF Compare utility.

See the *IMS DataPropagator Reference* for further details.

Module: EKYB600X

**EKYB607E INVALID GROUP IDENTIFIER
SPECIFIED: *Group_Identifier***

Explanation: An invalid *Group_Identifier* has been specified in the ADDGROUP control statement.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Correct the *Group_Identifier* specified in the ADDGROUP control statement. It can consist of 1 to 8 alphanumeric or national characters or a combination of both. The first character must be alphabetic or national. Resubmit the SCF Apply utility job.

Module: EKYB610X

**EKYB608E NONE IS NOT A VALID IMS
SUBSYSTEM ID WHEN SPECIFIED AS
PART OF A LIST OF IMS SUBSYSTEM
IDs**

Explanation: *NONE* cannot be specified as part of a list of subsystem IDs to be added for a group.

Severity: Error.

System action: SCF Apply utility terminates processing. *NONE* cannot be specified as part of a list of subsystem IDs to be defined for a group.

Programmer response: If the databases in a group are updated in batch mode only, specify SSID=*NONE* on the ADDSSID control statement.

Module: EKYB610X

EKYB609E FAILED TO OPEN FILE *//file_DD_Name*

Explanation: Unable to open the *//file_DD_Name* data set for one of the following reasons.

- The DD Statement is missing.
- The DD Name is misspelled in an existing DD statement.
- An I/O error occurred in the data set.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Ensure the specified file exists and has been correctly allocated in the SCF Apply utility job. Resubmit the SCF Apply utility job.

Module: EKYB650X

EKYB610E ERROR ACCESSING SELECTOR CONTROL FILE

Explanation: Unable to access the SCF.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Ensure the SCF specified in the EKYSCF DD Statement in the SCF Apply utility job exists. Resubmit the SCF Apply utility job.

Module: EKYB635X, EKYB640X

EKYB611E GROUP *group_id* IS NOT DEFINED IN THE SELECTOR CONTROL FILE

Explanation: The group *group_id* specified in the control statement does not exist in the SCF.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Specify the correct group on the control statement.

Resubmit the SCF Apply utility job.

Module: EKYB610X, EKYB620X, EKYB640X

EKYB612E DATABASE *dbname* IS NOT DEFINED TO GROUP *group_id*

Explanation: The database specified in the SCF Administration control statement is not defined to the group specified in the control statement.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Specify the correct database

in the SCF Administration control statement. Resubmit the SCF Apply utility job.

Module: EKYB610X, EKYB620X

EKYB613E SEGMENT *seg_name* IN DATABASE *dbname* IS NOT DEFINED TO GROUP *group_id*

Explanation: The database specified in the SCF Administration control statement is defined to the Propagation Group specified in the control statement. However, the segment *seg_name* is not defined to the database.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Specify the correct segment in the control statement. Resubmit the SCF Apply utility job.

Module: EKYB610X, EKYB620X

EKYB614I GROUP *group_id* HAS BEEN SUCCESSFULLY ADDED

Explanation: The group *group_id* specified in the control statement has been successfully defined in the SCF.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB610X

EKYB615I DATABASE *dbname* HAS BEEN SUCCESSFULLY ADDED TO GROUP *group_id*

Explanation: The database *dbname* has been successfully defined in the SCF to the group *group_id*.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB610X

EKYB616I SEGMENT *seg_name* IN DATABASE *dbname* HAS BEEN SUCCESSFULLY ADDED TO GROUP *group_id*

Explanation: The segment *seg_name* in the database *dbname* has been successfully defined in the SCF to the group *group_id*.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB610X

EKYB617I FIELD WITH START POSITION OF *fld_start* HAS BEEN SUCCESSFULLY ADDED TO SEGMENT *seg_name* DATABASE *dbname* IN GROUP *group_id*

Explanation: The field with a start position of *fld_start* has been successfully defined in the SCF to the specified group *group_id*.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB610X

EKYB618I IMS SUBSYSTEM ID *ssid* HAS BEEN SUCCESSFULLY ADDED FOR GROUP *group_id*

Explanation: The IMS subsystem ID *ssid* has been successfully defined in the SCF to the group *group_id*.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB610X

EKYB619I DEFAULT IMS SUBSYSTEM ID *ssid* HAS BEEN SUCCESSFULLY ADDED

Explanation: The IMS subsystem ID *ssid* has been successfully defined as a default IMS Subsystem ID in the SCF.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB610X

EKYB620W GROUP *group_id* ALREADY DEFINED

Explanation: The group *group_id* is already defined in the SCF.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB610X

EKYB621W DATABASE *dbname* ALREADY DEFINED TO GROUP *group_id*

Explanation: The database *dbname* is already defined to the Propagation Group in the SCF.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB610X

EKYB622W SEGMENT *seg_name* IN DATABASE *dbname* IS ALREADY DEFINED TO GROUP *group_id*

Explanation: The segment *seg_name* in the database *dbname* is already defined to the group *group_id* in the SCF.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB610X

EKYB623W FIELD WITH START POSITION OF *fld_start* IS ALREADY DEFINED TO SEGMENT *seg_name* DATABASE *dbname* IN GROUP *group_id*

Explanation: The field with a start position of *fld_start* in segment *seg_name* in the database *dbname* is already defined to the group *group_id* in the SCF.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB610X

EKYB624W DEFAULT IMS SUBSYSTEM ID *ssid* ALREADY DEFINED

Explanation: The IMS subsystem ID *ssid* is already defined as a default IMS subsystem ID in the SCF.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB610X

**EKYB625W IMS SUBSYSTEM ID *ssid* ALREADY
DEFINED TO GROUP *group_id***

Explanation: The specified IMS subsystem ID is already defined to the Propagation Group in the SCF.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB610X

**EKYB626I GROUP *group_id* HAS BEEN
SUCCESSFULLY DELETED**

Explanation: The group *group_id* has been successfully deleted from the SCF.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB635X

**EKYB627I ALL GROUPS HAVE BEEN
SUCCESSFULLY DELETED**

Explanation: All Propagation Groups in the SCF have been successfully deleted.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB620X

**EKYB628I DATABASE *dbname* HAS BEEN
SUCCESSFULLY DELETED FROM
GROUP *group_id***

Explanation: The database *dbname* has been successfully deleted from the Propagation Group *group_id*.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB635X

**EKYB629I ALL DATABASES HAVE BEEN
SUCCESSFULLY DELETED FROM
GROUP *group_id***

Explanation: All databases defined to the Propagation

Group *group_id* have been successfully deleted from the SCF.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB640X

**EKYB630I SEGMENT *seg_name* HAS BEEN
SUCCESSFULLY DELETED FROM
DATABASE *dbname* IN GROUP *group_id***

Explanation: The segment *seg_name* in database *dbname* has been successfully deleted from the Propagation Group in the SCF.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB635X

**EKYB631I ALL SEGMENTS HAVE BEEN
SUCCESSFULLY DELETED FROM
DATABASE *dbname* IN GROUP *group_id***

Explanation: All segments in the database *dbname* have been successfully deleted from the Propagation Group *group_id* in the SCF.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB620X

**EKYB632I FIELD WITH START POSITION OF
fld_start HAS BEEN SUCCESSFULLY
DELETED FROM SEGMENT *seg_name*
DATABASE *dbname* IN GROUP *group_id***

Explanation: The field starting at position *fld_start* in segment *segment_name* in the database *dbname* has been successfully deleted from the propagation group *group_id* in the SCF.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB635X

EKYB633I ALL FIELDS HAVE BEEN SUCCESSFULLY DELETED FROM SEGMENT *seg_name* DATABASE *dbname* IN GROUP *group_id*

Explanation: All fields in segment *seg_name* in database *dbname* have been successfully deleted from the Propagation Group *group_id* in the SCF.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB620X

EKYB634I IMS SUBSYSTEM ID *ssid* HAS BEEN SUCCESSFULLY DELETED FROM GROUP *group_id*

Explanation: The IMS subsystem ID *ssid* has been successfully deleted from the Propagation Group *group_id* in the SCF.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB635X

EKYB635I ALL IMS SUBSYSTEM IDS HAVE BEEN SUCCESSFULLY DELETED FROM GROUP *group_id*

Explanation: All IMS subsystem IDs defined to the Propagation Group *group_id* have been successfully deleted in the SCF.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB620X

EKYB636I DEFAULT IMS SUBSYSTEM ID *ssid* HAS BEEN SUCCESSFULLY DELETED

Explanation: The specified default IMS subsystem ID *ssid* has been successfully deleted in the SCF.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB635X

EKYB637I ALL DEFAULT IMS SUBSYSTEM IDS HAVE BEEN SUCCESSFULLY DELETED

Explanation: All default IMS subsystem IDs defined in the SCF have been successfully deleted.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB620X

EKYB638W FIELD WITH START POSITION OF *fld_start* IS NOT DEFINED TO SEGMENT *seg_name* DATABASE *dbname* IN GROUP *group_id*

Explanation: The field with the start position *fld_start* is not defined in segment *seg_name* in database *dbname* to Propagation Group *group_id* in the SCF.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: If the *fld_start* position specified is incorrect, specify the correct *fld_start* position on the SCF Administration Control statement and resubmit the SCF Apply utility job.

Module: EKYB620X, EKYB654X

EKYB639W DEFAULT IMS SUBSYSTEM ID *ssid* IS NOT DEFINED IN THE SELECTOR CONTROL FILE

Explanation: The IMS subsystem ID *ssid* is not defined as a default IMS subsystem ID in the SCF.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: If the IMS Subsystem ID specified is incorrect, specify the correct IMS Subsystem ID in the SCF Administration Control statement. Resubmit the SCF Apply utility job.

Module: EKYB620X

EKYB640W IMS SUBSYSTEM ID *ssid* IS NOT DEFINED FOR GROUP *group_id*

Explanation: The IMS subsystem ID *ssid* is not defined to the Propagation Group *group_id* in the SCF.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: If the IMS subsystem ID

specified is incorrect, specify the correct IMS subsystem ID in the SCF Administration Control statement. Resubmit the SCF Apply utility job.

Module: EKYB620X

EKYB641E DATABASE *dbname* IS DEFINED TO GROUP *group_id*

Explanation: The database *dbname* is defined to the specified Propagation Group. A database cannot be deleted from the SCF while it is defined to a Propagation Group.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: If the database is no longer required in the specified Propagation Group, delete it from the Propagation Group using the SCF Apply utility DELDBASE control statement. Resubmit the SCF Apply utility job.

Module: EKYB640X

EKYB642I DATABASE *dbname* HAS BEEN SUCCESSFULLY DELETED

Explanation: The database *dbname* has been successfully deleted from the SCF.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB635X

EKYB643I ALL DATABASES HAVE BEEN SUCCESSFULLY DELETED

Explanation: All databases in the SCF have been successfully deleted.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB640X

EKYB644W GROUP *group_id* IS NOT DEFINED IN THE SELECTOR CONTROL FILE

Explanation: The Propagation Group *group_id* in the SCF Administration control statement does not exist in the SCF.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: If the Propagation Group specified is incorrect, specify the correct Propagation Group on the SCF Administration control statement. Resubmit the SCF Apply utility job.

Module: EKYB620X, EKYB651X, EKYB652X, EKYB653X, EKYB654X, EKYB655X

EKYB645W DATABASE *dbname* DOES NOT EXIST IN THE SELECTOR CONTROL FILE

Explanation: The database *dbname* is not defined in the SCF.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: If the database specified is incorrect, specify the correct database *dbname* in the SCF Administration control statement. Resubmit the SCF Apply utility job.

Module: EKYB640X, EKYB652X

EKYB646W DATABASE *dbname* IS NOT DEFINED TO GROUP *group_id*

Explanation: The database *dbname* is not defined to the Propagation Group *group_id* in the SCF.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: If the database specified is incorrect, specify the correct database *dbname* in the SCF Administration control statement. Resubmit the SCF Apply utility job.

Module: EKYB640X, EKYB652X, EKYB653X, EKYB654X

EKYB647E INVALID CONTROL STATEMENT *control statement* DETECTED IN PROGRAM *program_name*

Explanation: IMS DPROP internal error. The SCF control statement *control statement* is not recognized by the SCF Apply utility.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Report this problem to IBM Software Support.

Module: EKYB600X, EKYB620X, EKYB650X

EKYB648E INVALID OPERAND DETECTED IN CONTROL STATEMENT *control statement*

Explanation: IMS DPROP internal error. The control statement *control statement* contains an operand that is not recognized.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Report this problem to IBM Software Support.

Module: EKYB610X, EKYB620X, EKYB640X, EKYB651X, EKYB652X, EKYB653X, EKYB654X, EKYB655X

EKYB649E UNABLE TO ALLOCATE STORAGE DURING LIST PROCESSING

Explanation: IMS DPROP internal error.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Report this problem to IBM Software Support.

Module: EKYB640X

EKYB650E UNABLE TO RELEASE STORAGE DURING LIST PROCESSING

Explanation: IMS DPROP internal error.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Report this problem to IBM Software Support.

Module: EKYB640X

EKYB651E FIELD START POSITION OF ZERO SPECIFIED

Explanation: Zero is not a valid field start position. It must be in the range 1 to the segment length.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Specify a valid field start position.

Resubmit the SCF Apply utility job.

Module: EKYB610X

EKYB652E FIELD LENGTH OF ZERO SPECIFIED

Explanation: Zero is not a valid field length. The length specified must be in the range 1 to the segment length.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Specify a valid field length, and resubmit the SCF Apply utility job.

Module: EKYB610X

EKYB653E FAILED TO CLOSE FILE *//file_DD_Name*

Explanation: Unable to close the *//file_DD_Name* data set because an I/O error occurred in the data set.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Turn tracing on and resubmit the SCF Apply utility job. Correct the fault, and resubmit the SCF Apply utility job.

Module: EKYB650X

EKYB654I DATABASE QUIESCE TIMESTAMP RECORD FOR DATABASE *dbname* AND QUIESCE TIME OF *quiesce_tsm* HAS BEEN SUCCESSFULLY DELETED

Explanation: The 0202 (database/Quiesce Timestamp Marker) record for the database and quiesce timestamp specified have been successfully deleted from the SCF.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB635X

EKYB655I GROUP STOP TIMESTAMP RECORD FOR GROUP *group_id* AND STOP TIME OF *stop_tsm* HAS BEEN SUCCESSFULLY DELETED

Explanation: The 0305 (Propagation Group/stop time) record for the Propagation Group and Stop Timestamp specified has been successfully deleted from the SCF.

Severity: Information.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB635X

EKYB656W SEGMENT *seg_name* IN DATABASE
dbname IS NOT DEFINED TO GROUP
group_id

Explanation: The segment *seg_name* is not defined to the database *dbname* in the Propagation Group *group_id*.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: If the segment specified is incorrect, specify the correct segment in the SCF Administration control statement. Resubmit the SCF Apply utility job.

Module: EKYB620X, EKYB653X, EKYB654X

EKYB657E THE FILE SPECIFIED ON THE
//SCF_dd_name DD STATEMENT IS
NOT A VALID SELECTOR CONTROL
FILE

Explanation: During IMS DPROP system installation and generation, the SCF is created and initialized. The file specified on the *//EKYSCF* DD statement has not been created and initialized using the IMS DPROP installation and generation procedures.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Use the supplied IMS DPROP installation and generation procedures to create and initialize the Selector Control File. Then, resubmit the SCF Apply utility job.

Module: EKYB600X

EKYB658E SELECTOR CONTROL FILE
//SCF_ds_name IS CURRENTLY BEING
ACCESSED BY ANOTHER TASK

Explanation: An SCF Apply utility job is currently executing and processing the SCF *//SCF_ds_name*. Two SCF Apply utility jobs cannot be run concurrently against the same SCF for integrity reasons.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: When the current SCF Apply utility job is completed, resubmit the job.

Module: EKYB600X

EKYB659E ENQUEUE ON SELECTOR CONTROL
FILE *//SCF_ds_name* FAILED WITH
RETURN CODE *Enq_Return_Code*

Explanation: The ENQueue on *//SCF_ds_name* failed.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Determine the problem from the ENQueue return code.

Correct the problem, and resubmit the SCF Apply utility job.

Module: EKYB600X

EKYB660E THERE ARE NO GROUPS DEFINED IN
THE SELECTOR CONTROL FILE
//scf_dd_name

Explanation: No 0300 (Group) records exist in the selector control file *//scf_dd_name*.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB651X, EKYB655X, EKYB656X

EKYB661W THERE ARE NO GROUPS DEFINED IN
THE SELECTOR CONTROL FILE
//scf_dd_name

Explanation: No 0300 (Group) records exist in the specified SCF.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB651X, EKYB655X, EKYB656X.

EKYB662E ERROR OCCURRED WHILE WRITING A
RECORD TO FILE *//file_dd_name*

Explanation: The SCF Apply utility has failed to write a record to the file *//file_dd_name*.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Check that the file exists and has been allocated correctly.

Module: EKYB651X, EKYB652X, EKYB653X,
EKYB654X, EKYB655X, EKYB656X, EKYB660X

**EKYB663W THERE ARE NO DATABASES DEFINED
IN THE SELECTOR CONTROL FILE
//scf_dd_name**

Explanation: No 0200 (Database Name) records exist in the Selector Control File //scf_dd_name.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB652X

**EKYB664W THERE ARE NO DATABASES DEFINED
IN THE SELECTOR CONTROL FILE
FOR GROUP group_id**

Explanation: No 0302 (Group/Database) records exist in the SCF for the group group_id.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB661X

**EKYB665W THERE ARE NO SEGMENTS DEFINED
IN THE SELECTOR CONTROL FILE
FOR DATABASE dbname IN GROUP
group_id**

Explanation: No 0303 (Group/Database/Segment) records exist in the SCF for the database dbname in group group_id.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB662X

**EKYB666W THERE ARE NO FIELDS DEFINED IN
THE SELECTOR CONTROL FILE FOR
SEGMENT seg_name IN DATABASE
dbname IN GROUP group_id**

Explanation: No 0304 (Group/Database/Segment/Field) records exist in the SCF for the segment seg_name in database dbname in group group_id.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB663X

**EKYB667W THERE ARE NO IMS SUBSYSTEM IDS
ASSIGNED TO GROUP group_id IN THE
SELECTOR CONTROL FILE. GROUP
group_id USES THE DEFAULT SET OF
IMS SUBSYSTEM IDS**

Explanation: No 0301 (Group SSID) records exist in the SCF for the specified Group. The default set of IMS Subsystem IDs (defined in the 0101 records) will be used for the group.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB655X

**EKYB668W THERE ARE NO DEFAULT IMS
SUBSYSTEM IDS DEFINED IN THE
SELECTOR CONTROL FILE.**

Explanation: No 0101 (Default SSID) records exist in the SCF.

Severity: Warning.

System action: SCF Apply utility continues processing.

Programmer response: None.

Module: EKYB655X

**EKYB669E DATABASE dbname IS NOT
REGISTERED TO DBRC**

Explanation: The database dbname has not been initialized in the DBRC Recons.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Register the database to DBRC using the INIT.DB command. Refer to the *IMS/ESA Utilities Reference: Database Manager* for further details.

Module: EKYB610X

**EKYB671E FAILED TO OPEN THE DBD LIBRARY:
RETURN CODE FROM THE OPEN
MACRO return_code**

Explanation: The DBD Library specified on the //DBDLIB DD statement could not be opened.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Check the return code from the OPEN Macro in the *DFSMS/MVS® Macro*

Instructions for Data Sets. See also any additional system messages issued, and refer to the *OS/390 MVS System Messages, Volume 1* for more information. Correct the problem, and resubmit the SCF Apply utility job.

Module: EKYB630X

**EKYB672E FAILED TO CLOSE THE DBD LIBRARY
RETURN CODE FROM THE CLOSE
MACRO** *return_code*

Explanation: Unable to close the DBD Library due to an I/O error in the data set.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Check the return code from the CLOSE Macro in the *DFSMS/MVS Macro Instructions for Data Sets*. Correct the problem, and resubmit the SCF Apply utility job.

Module: EKYB630X

**EKYB673E NO DBD EXISTS IN THE DBD LIBRARY
FOR DATABASE** *dbname*

Explanation: The DBD for the database *dbname* does not exist in the DBD Library specified on the //DBDLIB DD statement.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Specify the correct database name or the correct DBD Library. Resubmit the SCF Apply utility job.

Module: EKYB630X

**EKYB674E BLDL MACRO FAILED WITH RETURN
CODE** *return_code* **and REASON CODE**
reason_code

Explanation: A non-zero return code was received by IMS DPROF after a BLDL Macro was issued for the DBD being processed.

Severity: Error.

System action: The SCF Apply utility terminates processing.

Programmer response: Refer to *MVS/DFP Macro Instructions for Data Sets*, Version 3.3 for return and reason code information.

Correct the problem. Resubmit the SCF Apply utility job.

Module: EKYB630X

**EKYB675E FATAL ERROR DETECTED DURING
LOAD OF DBD FOR DATABASE
dbname FROM THE DBD LIBRARY**

Explanation: A system abend was intercepted by IMS DPROF after a LOAD macro was issued for the DBD being processed.

Severity: Error.

System action: The SCF Apply utility terminates processing.

Programmer response: See the additional system messages issued and refer to the *OS/390 MVS System Messages, Volume 1* for more information. Correct the problem. Resubmit the SCF Apply utility job.

Module: EKYB630X

**EKYB676E DB ORGANIZATION/ACCESS
db_organization OF DATABASE dbname
IS NOT SUPPORTED BY DPROF**

Explanation: The organization or access of the database *dbname* is not supported by IMS DPROF.

Severity: Error.

System action: The SCF Apply utility terminates processing.

Programmer response: Check the DBD, and specify an organization supported by IMS DPROF. Refer to the appropriate Administrators Guide for your propagation mode for a list of the IMS database organizations supported by IMS DPROF. Resubmit the SCF Apply utility job.

Module: EKYB630X

**EKYB677E DB ORGANIZATION/ACCESS OF
DATABASE dbname IS INVALID**

Explanation: The organization or access of the database *dbname* is invalid.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Check the DBD and specify a valid database organization.

Regenerate the DBD using the IMS DBDGEN utility.

Module: EKYB630X

**EKYB678E FAILED TO LOAD THE DBD FOR
DATABASE dbname FROM THE DBD
LIBRARY**

Explanation: After successfully issuing the BLDL macro, IMS DPROF received a non-zero return code while trying to load the DBD for the database being

processed from the DBD library specified on the //DBDLIB DD statement.

Severity: Error.

System action: The SCF Apply utility terminates processing.

Programmer response: See the additional system messages issued, and refer to the *OS/390 MVS System Messages, Volume 1* for more information. Correct the problem. Resubmit the SCF Apply utility job.

Module: EKYB630X

EKYB679E DATABASE *dbname* IS A LOGICAL DATABASE. LOGICAL DATABASES ARE NOT SUPPORTED BY DPROP

Explanation: The database *dbname* is a logical database. This type of database is not supported by IMS DPROP.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Specify a physical DBD. Resubmit the SCF Apply utility job.

Module: EKYB630X

EKYB680E SEGMENT *seg_name* DOES NOT EXIST IN THE DBD FOR DATABASE *dbname*

Explanation: The segment *seg_name* is not described in the DBD for the database *dbname*.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Redefine the DBD specifying the segment or specify an existing segment. Resubmit the SCF Apply utility job.

Module: EKYB630X

EKYB681E THE FIELD START POSITION *field_start* IS GREATER THAN THE SEGMENT LENGTH *seg_length*

Explanation: The field start position specified is incorrect because it exceeds the segment length of the segment being processed.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Correct the field start position.

Resubmit the SCF Apply utility job.

Module: EKYB630X

EKYB682E THE FIELD START POSITION *field_start* PLUS THE FIELD LENGTH *field_length* IS GREATER THAN THE SEGMENT LENGTH *seg_length*

Explanation: The field as defined with a start position of *field_start* and a length of *field_length* exceeds the segment length *seg_length* allowed.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Correct the value or values that are incorrect, and resubmit the SCF Apply utility job.

Module: EKYB630X

EKYB683E DELETE MACRO FAILED WITH RETURN CODE *return_code* WHILE ATTEMPTING TO DELETE THE DBD FOR DATABASE *dbname*

Explanation: A non-zero return code was received by IMS DPROP after a DELETE macro for the DBD being processed was issued.

Severity: Error.

System action: SCF Apply utility terminates processing.

Programmer response: Refer to *OS/390 MVS Programming: Assembler Services Guide* for an explanation of the return code. Correct the problem, and resubmit the SCF Apply utility job.

Module: EKYB630X

EKYB684E THE FILE SPECIFIED ON THE //ulr_dd_name DD STATEMENT IS NOT A VALID UNCOMMITTED LOG RECORD DATASET

Explanation: The Uncommitted Log record data set is created and initialized during IMS DPROP system installation and generation. The file specified on the //EKYULR DD statement has not been created and initialized using the IMS DPROP installation and generation procedures.

Severity: Error.

System action: SCF Apply utility terminates processing

Programmer response: Use the IMS DPROP system installation and generation procedures supplied to create and initialize the Uncommitted Log record data set, before resubmitting the SCF Apply utility job.

Module: EKYB620X

SCF Compare utility

EKYB701I LIST OF //EKYGRPD INPUT RECORDS FOLLOWS

Explanation: The list of SCF Compare utility control statements, provided in the EKYGRPD data set follow this message and are written to the //SELPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB700X, EKYB710X

EKYB702I *Control_statement*

Explanation: The SCF Compare utility control statement specified in the EKYGRPD data set.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB700X, EKYB710X

EKYB703E END OF //EKYGRPD INPUT RECORDS. INPUT RECORDS HAVE AT LEAST ONE SYNTAX ERROR

Explanation: This error message indicates that at least one syntax error has been detected while parsing the SCF Compare utility control statements specified in the //EKYGRPD data set.

Severity: Error.

System action: SCF Compare utility processing terminates

Programmer response: Determine the control statement or statements causing the error by examining the messages immediately following each control statement written to the //SELPRINT data set. Correct the control statement or statements causing errors, and resubmit the SCF Compare utility job.

Module: EKYB700X

EKYB704E ERRORS FOUND WHILE PARSING INPUT CONTROL STATEMENTS

Explanation: An error has been detected while parsing the SCF Compare utility control statements specified in the //EKYGRPD data set.

Severity: Error.

System action: The SCF Compare utility processing terminates.

Programmer response: Examine preceding error

messages to determine the cause of the problem. Correct the problem, and resubmit the SCF Compare utility job.

Module: EKYB700X

EKYB705I END OF //EKYGRPD INPUT RECORDS ---- NO SYNTAX ERRORS DETECTED IN INPUT RECORDS

Explanation: This information message indicates that all the SCF Compare utility control statements specified in the EKYGRPD data set have been parsed successfully.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYB710X

EKYB706E FAILED TO OPEN FILE //file_DD_Name

Explanation: Unable to open the //file_DD_Name data set for one of the following reasons:

- The DD statement is missing
- The DD name is misspelled in an existing DD statement
- An I/O error occurred on the data set

Severity: Error.

System action: SCF Compare utility terminates processing

Programmer response: Ensure the file specified exists and has been allocated correctly in the SCF Compare utility job. Resubmit the SCF Compare utility job.

Module: EKYB700X

EKYB707W GROUP *group_id* IS DEFINED IN THE SELECTOR CONTROL FILE BUT IS NOT DEFINED IN THE GROUP DEFINITIONS FILE

Explanation: The identified group is defined in the Selector control file but is not defined in the Group Definitions file. This file is generated from the IMS DPROP directory. A discrepancy may exist between the groups defined in the IMS DPROP directory and the Selector control file.

Severity: Warning.

System action: SCF Compare utility continues processing

Programmer response:

- If the group was not selected for generation by the Receiver Propagation Group Unload utility, this

message indicates that the group exists in the Selector control file but was not generated by the Receiver Propagation Group Unload utility.

- If the group is defined in the IMS DPROP Directory, run the:
 - Receiver Propagation Group Unload utility to generate the group definition for this group.
 - SCF Compare and Utilities to ensure that the group definition in the Selector control file is the same as that in the IMS DPROP directory.

This ensures that the group definitions used by the Selector and Receiver are always the same.

- If the group is not defined in the IMS DPROP directory and is no longer required for propagation purposes, delete the group from the Selector control file using the SCF Compare utility DELGROUP control statement. See the *IMS DataPropagator Reference* for details on deleting groups from the Selector control file.
- If the group was selected for generation by the Receiver Propagation Group Unload utility, this message indicates that the group exists in the Selector control file but does not exist in the IMS DPROP directory.
 - If the databases in the group still need to be propagated, the group and relevant PRs should be defined in the IMS DPROP directory. See the *IMS DataPropagator Reference* for details on defining PRs and Groups in the IMS DPROP directory.
 - If the databases in the group no longer need to be propagated, delete the group from the Selector control file using the SCF Apply utility DELGROUP control statement. See the *Utilities manual* for details on deleting groups from the Selector control file.
- Resubmit the SCF Compare utility job.

Module: EKYB740X

**EKYB708E THE FILE SPECIFIED ON THE //
scf_dd_name DD STATEMENT IS NOT A
VALID SELECTOR CONTROL FILE**

Explanation: The Selector Control File is created and initialized during IMS DPROP system installation and generation. The file *scf_dd_name* specified on the //EKYSCF DD statement has not been created and initialized using the IMS DPROP installation and generation procedures.

Severity: Error.

System action: SCF Compare utility terminates processing

Programmer response: Use the IMS DPROP system installation and generation procedures supplied to create and initialize the Selector control file before resubmitting the SCF Compare utility job.

Module: EKYB720X

**EKYB709E INTERNAL ERROR OCCURRED WHILE
PROCESSING THE DIRECTORY
GROUP DEFINITIONS LIST EXCEPTION
RAISED *exception_code***

Explanation: IMS DPROP internal error.

Severity: Error.

System action: SCF Compare utility terminates processing.

Programmer response: Report this problem to IBM Software Support.

Module: EKYB700X, EKYB710X, EKYB730X

**EKYB710E INTERNAL ERROR OCCURRED WHILE
PROCESSING THE SCF GROUP
DEFINITIONS LIST EXCEPTION
RAISED *exception_code***

Explanation: IMS DPROP internal error.

Severity: Error.

System action: SCF Compare utility terminates processing.

Programmer response: Report this problem to IBM Software Support.

Module: EKYB700X, EKYB720X, EKYB730X

**EKYB711E INTERNAL ERROR OCCURRED WHILE
PROCESSING THE DIRECTORY
GROUP IDENTIFIERS LIST. EXCEPTION
RAISED: *exception_code***

Explanation: IMS DPROP internal error.

Severity: Error.

System action: SCF Compare utility terminates processing.

Programmer response: Report this problem to IBM Software Support.

Module: EKYB700X, EKYB710X, EKYB720X, EKYB740X

**EKYB712E INVALID CONTROL STATEMENT
control_statement DETECTED**

Explanation: IMS DPROP internal error. An unrecognized control statement *control_statement* has been received by the SCF Compare utility.

Severity: Error.

System action: SCF Compare utility terminates processing.

Programmer response: Report this problem to IBM Software Support.

Module: EKYB710X

**EKYB713E INVALID OPERAND *operand* DETECTED
IN *control_statement* CONTROL
STATEMENT**

Explanation: IMS DPROF internal error. An unrecognized operand *operand* has been detected in the SCF Compare utility control statement specified.

Severity: Error.

System action: SCF Compare utility terminates processing.

Programmer response: Report this problem to IBM Software Support.

Module: EKYB710X

**EKYB714E ERROR OCCURRED WHILE WRITING A
RECORD TO FILE *//file_dd_name***

Explanation: The SCF Compare utility failed to write a record to the file *//file_dd_name*.

Severity: Error.

System action: SCF Compare utility terminates processing.

Programmer response: Check that the file exists and that it has been allocated correctly.

Module: EKYB730X

EKYB715E FAILED TO CLOSE FILE *//file_dd_name*

Explanation: Unable to close the *//file_DD_Name* data set as an I/O error occurred on the data set.

Severity: Error.

System action: SCF Compare utility terminates processing

Programmer response: Resubmit the SCF Compare utility job.

Module: EKYB700X

CDCDS Registration utility

**KYB801E INVALID DBRC TIMESTAMP
PARAMETER=*nbr* PASSED**

Explanation: The DBRC timestamp supplied using the PARM parameter of the EXEC statement is invalid.

Severity: Error.

System action: Program terminates with return code 12.

Programmer response: Supply a valid DBRC timestamp in the PARM parameter of the EXEC JCL statement and rerun the CDCDS registration step. DBRC timestamps are displayed in the format

**EKYB716E THERE ARE NO GROUPS DEFINED IN
THE GROUP DEFINITIONS FILE
*//file_dd_name***

Explanation: The Group Definitions file *//file_dd_name* is empty.

Severity: Error.

System action: SCF Compare utility terminates processing.

Programmer response: Run the Receiver Propagation Group Unload utility to generate the group definitions from the IMS DPROF directory. See the appropriate Administrators Guide for your propagation mode for details. Resubmit the SCF Compare utility job.

Module: EKYB700X

**EKYB717W SCF CONTROL STATEMENTS HAVE
NOT BEEN GENERATED IN THE SCF
CONTROL STATEMENTS FILE
//file_dd_name AS THE GROUP
DEFINITIONS OF THOSE GROUPS IN
THE GROUP DEFINITIONS FILE DO
NOT DIFFER FROM THE SELECTOR
CONTROL FILE *//file_dd_name***

Explanation: A compare of the group definitions for each of the groups in the Group Definitions file and in the Selector control file produced no differences. Therefore, no SCF control statements have been generated or written to the SCF control file.

Severity: Warning.

System action: SCF Compare utility continues processing.

Programmer response: Check that the correct Group Definitions file and Selector control file have been specified. If not, specify the correct files and resubmit the SCF Compare utility job.

Module: EKYB730X

yyjjjhhmsst

where:

- yy is the year
- jjj is the day number of the year
- hh is the hour
- mm is the minute
- ss is the second
- t is the tenths of the second

Module: EKYB800X

**EKYB802E UNABLE TO OBTAIN DSNNAME FOR
DDNAME= *ddname***

Explanation: The CDCDS registration program attempted to retrieve the data set name for the DD statement *ddname*.

Severity: Error.

System action: Program terminates with return code 12.

Programmer response: Supply a DD statement with the *ddname* shown in the message and rerun the job. Ensure that the data set name of the SLDS or CDCDS is specified correctly.

Module: EKYB800X

**EKYB803E UNABLE TO OPEN DATASET FOR
DDNAME=*ddname*, RC=*rc***

Explanation: The program was unable to open the identified data set. The OPEN macro return code is displayed in the message.

Severity: Error.

System action: Program terminates with return code 12.

Programmer response: Before resubmitting the job, check whether:

- The data set exists.
- The data set is a valid input data set.

Module: EKYB800X

**EKYB804E ERROR WRITING TO DATA SET
DDNAME=*ddname*, RC=*rc***

Explanation: The program was unable to write to the specified data set. The PUT macro return code is displayed in the message. The data set may not be a valid output data set.

Severity: Error.

System action: Program terminates with return code 12.

Programmer response: Before resubmitting the job, check that the data set specified is a valid output data set.

Module: EKYB800X

**EKYB805E ERROR OCCURRED READING DBRC
SYSPRINT. REFER TO //EKYWTO FOR**

DETAILS OF THE ACTUAL ERROR

Explanation: A READ error occurred while reading the SYSPRINT data set. Refer to EKYWTO for a detailed description of the error. The SYSPRINT data set may not be a valid input data set, for example, 'DD SYSOUT=*' may be specified.

Severity: Error.

System action: Program terminates with return code 12.

Programmer response: Correct the SYSPRINT DD statement, and rerun the job.

Module: EKYB800X

**EKYB806I EKYB800X INVOKING DBRC UTILITY
DSPURX00**

Explanation: The DSPURX00 has been called.

Severity: Information.

System action: None.

Programmer response: None.

Module: EKYB800X

**EKYB807I PRILOG REGISTRATION COMPLETED
SUCCESSFULLY**

Explanation: Registration has completed successfully.

Severity: Information.

System action: None.

Programmer response: None.

Module: EKYB800X

**EKYB808I PRILOG REGISTRATION COMPLETED
UNSUCCESSFULLY**

Explanation: Registration has failed.

Severity: Information.

System action: Program terminates.

Programmer response: Examine the SELPRINT data set for error messages describing the failure in more detail. Correct the source of the errors before resubmitting the job.

Module: EKYB800X

Selector messages return and reason codes

The Selector provides the following return and reason codes.

Return Code: 0

Module: 0

Explanation: The Selector completed processing and terminated normally. Information messages will be issued.

Return Code: 4

Module: 0

Explanation: A minor processing error occurred. A warning message is issued and processing continues. Examples include:

- A database newstart record (SCF 0302) contains a timestamp later than the start time for the group.
- An IMS ROLS record was read for which no corresponding SETS record could be found.

Return Code: 4

Module: 4

Explanation: A minor processing error occurred. A warning message is issued and processing continues. An example is:

- There are no IMS log files to process which satisfy the selection criteria.

Return Code: 8

Module: 8

Explanation: A major processing error occurred. An error message is issued and processing terminates. Examples include:

- Invalid data specified on SELECT control statement
- Date/time conversion errors
- VSAM data set is empty when at least one record is expected (either SCF or ULR data set)
- Selector stop time is zero (undetermined)

Return Code: 8

Module: 32

Explanation: A major processing error occurred while attempting to access a data set used by the Selector. An error message is issued, and processing terminates.

Return Code: 16

Module:

Explanation: A severe processing error occurred. An error message is issued, and processing terminates.

Return Code: 16

Module: 0

Explanation: Data set allocation error occurred, that is a problem when dynamically allocating or opening or closing one of the following data sets:

- PRDS
- Selector control file
- ULR data set
- IMS log file (SLDS, CDCDS)

Return Code: 16

Module: 4

Explanation: Data set access error occurred, that is a problem when dynamically allocating or opening or closing one of the following data sets:

- PRDS
- Selector control file
- ULR data set
- IMS log file (SLDS, CDCDS)

Return Code: 16

Module: 24

Explanation: The Selector detected that an IMS Unit of Work was missing a first record (inquiry data) when the INVUOW keyword on the SELECT control statement was set to STOP.

Return Code: 16

Module: 32

Explanation: A Data Integrity error occurred. An Example is:

An IMS 9904 log record is not in the expected format.

Return Code: 16

Module: 36

Explanation: Invalid data has been passed to one Selector module from another one, for example an internal control block does not contain the expected information

Return Code: 16

Module: 40

Explanation: An internal Selector control block has become corrupted

Chapter 4. Consistency Check Utility (CCU) messages

EKYC000I INITIALIZATION PHASE STARTED

Explanation: The CCU initialization phase started.

Severity: Information.

System action: Processing continues.

Module: EKYC000X

EKYC001E //CCUPRINT DD STATEMENT MISSING OR I/O ERROR ON //CCUPRINT DATA SET

Explanation: The program was unable to open the //CCUPRINT data set to write messages because:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the //CCUPRINT data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: This may be a user error.

Correct the error, and resubmit the job.

Module: EKYC000X

EKYC002I CONTROL DATA SET SUCCESSFULLY CREATED. *TIMESTAMP=timestamp*, PROCESSING *options*. DPROP SYSTEM NAME=*name* TOKEN=*token*, PROPAGATION=*value*

Explanation: Creation time of the control data set identified by the //CCUCDS data set and selected processing options for this CCU run are given.

Severity: Information.

System action: Processing continues.

Module: EKYC000X

EKYC003I INITIALIZATION PHASE ENDED NORMALLY. *text*

Explanation: The CCU initialization phase ended normally. 'text' is either blank or contains the message *WARNING MESSAGES HAVE BEEN ISSUED*. The PSB load module and the control data set were generated and are stored in the //SYSLMOD and //CCUCDS data sets.

Severity: Information.

System action: Processing continues.

Programmer response: You can submit the next CCU steps regardless of whether or not *text* contained the

message *WARNING MESSAGES HAVE BEEN ISSUED*.

However, if warning messages were issued on the //CCUPRINT data set, correct the situation, and resubmit the job.

Module: EKYC000X

EKYC004I INITIALIZATION PHASE ENDED WITH ERRORS

Explanation: One or more error messages were issued on the //CCUPRINT output data set, and a CCU return code higher than 4 was set.

Severity: Information.

System action: Processing continues.

Programmer response:

1. Scan the //CCUPRINT output list for preceding error messages.
2. Refer to the corresponding message descriptions.
3. Correct the errors.
4. Resubmit the job.

Module: EKYC000X

EKYC005I PROCESSING AN ASYNCHRONOUS DPROP SYSTEM: THE IMS READ AND ERROR LOCATION PHASES WILL ACCEPT IMS DATA FROM EITHER THE IMS DATABASE OR THE UNLOAD DATA SET //CCUDBIN

Explanation: You can submit the CCU read and error location phase using an HD unload file allocated to DD statement //CCUDBIN instead of using the IMS database. Refer to the *IMS DataPropagator Reference* for more information.

Severity: Information.

System action: Processing continues.

Module: EKYC000X

EKYC006E REQUESTED MODULE EKYC805X NOT FOUND

Explanation: The program tried but failed to locate the identified module in the program load library.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Compare the job steplib allocation or the linklist concatenation with the location of the requested module. Correct the error, and rerun the job.

Module: EKYC010X

**EKYC010I CHECK STATEMENT ENTERED BY THE
USER FOLLOWS THIS MESSAGE:**

Explanation: The control statement you entered in the //CCUIN data set follows this message.

Severity: Information.

System action: Processing continues.

Module: EKYC010X

**EKYC011E //CCUIN DD STATEMENT IS MISSING
OR THE DATA SET IS EMPTY**

Explanation: The program was unable to read the control statement from the //CCUIN data set because either:

- The DD statement is missing.
- The *ddname* is misspelled in an existing DD statement.
- The data set is empty.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: If a *ddname* is missing or spelled incorrectly, correct the error and resubmit the job. If an input data set is empty, enter a control statement and resubmit the job.

Module: EKYC010X

**EKYC012E NO VALID CHECK STATEMENT WAS
SPECIFIED**

Explanation: An invalid value is specified on the CHECK control statement in the //CCUIN data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Correct the CHECK control statement, and resubmit the job.

Module: EKYC010X

**EKYC013E CCU DOES NOT SUPPORT
STATEMENT *stmt***

Explanation: The IMS DPROP parser accepted the identified control statement, but the CCU does not support this statement.

Severity: Error.

System action: Processing terminates with an abend.

Programmer response: Either check whether the release versions for the IMS DPROP parser and the CCU are the same, or remove the unsupported

statement and resubmit the job.

Module: EKYC010X

**EKYC014E CCU DOES NOT SUPPORT KEYWORD
*operand***

Explanation: The IMS DPROP parser accepted the keyword *operand* in the CHECK control statement, but the program does not support this keyword.

Severity: Error.

System action: Processing terminates with an abend.

Programmer response: Either check that the release versions for the IMS DPROP parser and the CCU are the same, or remove the unsupported keyword and resubmit the job.

Module: EKYC010X

**EKYC015E MAXERROR= VALUE IS OUT OF
RANGE**

Explanation: The value of MAXERROR= in the CHECK control statement is not in the accepted range of between 1 and 9999.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Replace the invalid MAXERROR= value with a valid number between 1 and 9999 and resubmit the job.

Module: EKYC010X

**EKYC016E NO '=' SIGN FOUND IN VALUE *value*
OF *operand* KEYWORD**

Explanation: The program expected but failed to find a delimiting "=" sign in the identified keyword value.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Correct the value of the keyword, and resubmit the job.

Module: EKYC010X

**EKYC017E SEGMENT OR PRID NAME IN *value* OF
ASSIGN= KEYWORD IS LONGER THAN
8 BYTES**

Explanation: The value of the ASSIGN= keyword in the CHECK statement contains a segment or PR ID with a name that is longer than 8 bytes.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Correct the error in the ASSIGN keyword, and resubmit the job.

Module: EKYC010X

EKYC018E SEGMENT OR PRID NAME IN *value* OF ASSIGN= KEYWORD IS MISSING

Explanation: The value of the ASSIGN= keyword in the CHECK statement is missing either a segment or PR ID name.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Enter a segment or PR ID name, and resubmit the job.

Module: EKYC010X

EKYC019E SEGMENT *name* IS INCLUDED MORE THAN ONCE IN THE *operand* LIST

Explanation: The identified segment name was specified more than once in the SEG= or EXCLUDE= list of the CHECK control statement.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Ensure that the segment name is specified only once and resubmit the job.

Module: EKYC010X

EKYC020E PRID *name* IS INCLUDED MORE THAN ONCE IN THE ASSIGN= LIST

Explanation: The PRID name *name*, was specified more than once in the ASSIGN= list of the CHECK control statement.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Ensure that the PRID name is specified only once, and resubmit the job. Refer to the IMS DPROP Reference for more information.

Module: EKYC010X

EKYC021E SEGMENT *name* PRID *name* IS INCLUDED MORE THAN ONCE IN THE ASSIGN= LIST

Explanation: Either the PRID or segment names or both are specified more than once in the ASSIGN= keyword list of the CHECK statement.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response:

- If the PRID and segment name combination was specified more than once in the ASSIGN= list, remove the duplication and resubmit the job.
- If a segment name was specified more than once in the ASSIGN= list, remove it and resubmit the job.
- If a PRID was specified more than once in the ASSIGN= list, remove it and resubmit the job.

Refer to the *IMS DataPropagator Reference* for more information.

Module: EKYC010X

EKYC022E SEGMENT *name* IN THE ASSIGN= LIST IS NOT INCLUDED IN THE SEG= LIST

Explanation: The segment is in the ASSIGN= list, but not in the SEG= list.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Either remove the segment name from the ASSIGN= list or add the segment name to the SEG= list and resubmit the job.

Module: EKYC010X

EKYC023E SEGMENT *name* IN THE ASSIGN= LIST IS EXCLUDED BY THE EXCLUDE= KEYWORD

Explanation: The segment is in the ASSIGN= list and in the EXCLUDE= list.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Either remove the segment name from the ASSIGN= list or from the EXCLUDE= list, and resubmit the job.

Module: EKYC010X

EKYC024E PRID *name* IS INCLUDED MORE THAN ONCE IN THE PR= LIST

Explanation: The PRID name *name* is specified more than once in the PR= list of the CHECK control statement.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Ensure that the PRID name is specified only once, and resubmit the job.

Module: EKYC010X.

EKYC025E TABLE *name* IS INCLUDED MORE THAN ONCE IN THE TAB= LIST

Explanation: The table name *name* is specified more than once in the TAB= list of the CHECK control statement.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Ensure that the table name is specified only once, and resubmit the job.

Module: EKYC010X

EKYC030E INCORRECT DB2 OBJECT NAME *name* IN KEYWORD *operand*

Explanation: The program analyzed but did not accept the name of the DB2 object name in the keyword *name*. DB2 object names must comply with the following rules:

- The DB2 object name can be qualified or unqualified. If it is qualified, the DB2 object qualifier and name must be separated by a period.
- The qualifier can be up to 10 bytes long if it has double-quote delimiters ("), or it can be up to 8 bytes without delimiters.
- The name can be up to 20 bytes long if it has double-quote delimiters, or it can be up to 18 bytes without delimiters.
- If the DB2 object name contains double quote characters, it must have one leading and one trailing delimiter ("), and the double-quote characters within the name must be doubled. In this case, the object name can be up to 38 bytes long.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Correct the error based on the rules defined, and resubmit the job.

Module: EKYC020X

EKYC031E UNMATCHED QUOTATION MARKS IN *value* OF KEYWORD *operand*

Explanation: The program analyzed the DB2 object specified in the keyword *value* and found an odd number of double-quote characters. The program expects to retrieve an even number.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: See the rules for DB2 object names detailed in the message EKYC030E.

Module: EKYC020X

EKYC032E QUOTED DB2 OBJECT NAME IN *value* EXCEEDS 18 BYTES LENGTH IN KEYWORD *operand*

Explanation: The value of the DB2 object name specified in the keyword *operand* has an invalid name length.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: See the rules for DB2 object names contained in the message EKYC030E.

Module: EKYC020X

EKYC033E QUOTED DB2 OBJECT QUALIFIER IN *value* EXCEEDS 8 BYTES LENGTH IN KEYWORD *operand*

Explanation: The DB2 object qualifier length specified in the keyword *operand* is invalid.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: See the rules for DB2 object names contained in the message EKYC030E.

Module: EKYC020X

EKYC034E DB2 OBJECT QUALIFIER IN *value* EXCEEDS 8 BYTES LENGTH IN KEYWORD *operand*

Explanation: The DB2 object qualifier length specified in the keyword *operand* is invalid.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: See the rules for DB2 object names contained in the message EKYC030E.

Module: EKYC020X

EKYC035E DB2 OBJECT NAME IN *value* EXCEEDS 18 BYTES LENGTH IN KEYWORD *operand*

Explanation: The DB2 object name length specified in the keyword *operand* is invalid.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: See the rules for DB2 object names contained in the message EKYC030E.

Module: EKYC020X

**EKYC036E DB2 OBJECT NAME IN *value* EXCEEDS
36 BYTES LENGTH IN KEYWORD
*operand***

Explanation: The DB2 object name specified in the keyword *operand* is invalid.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: See the rules for DB2 object names contained in the message EKYC030E.

Module: EKYC020X

**EKYC037E NO PROPAGATED FIELDS/COLUMNS
FOUND FOR PRID *name***

Explanation: The program tried to retrieve field and column descriptions from the IMS DPROP directory, but there was no data to retrieve for the PRID *name*.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Determine the reason for this error by recreating the PRID *name* by using an MVG/MVGU job. If the field and column description has been rebuilt in the IMS DPROP directory DPRFLD table, resubmit the CCU job.

Module: EKYC020X

**EKYC038E DPROP DIRECTORY MASTER TABLE
IS EMPTY**

Explanation: The program expected to find a row in the named DB2 table, but the row could not be retrieved.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Contact your IMS DPROP system programmer for assistance as the searched row was inserted when the IMS DPROP system programmer initialized IMS DPROP during IMS DPROP installation.

Module: EKYC040X

**EKYC039E UNEXPECTED DPRNAME/TOKEN
FOUND IN DPROP DIRECTORY. READ:
DPRNAME=*name* DPRTOKEN=*token*,
EXPECTED: DPRNAME=*name*
DPRTOKEN=*token***

Explanation: The program expected to find the IMS

DPROP system name and IMS DPROP system token as shown in 'EXPECTED', but the IMS DPROP DPRMASTER table contains a value as in 'READ'.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Check that the DB2 plan you used provides access to the IMS DPROP directory tables of the correct IMS DPROP system.

Module: EKYC040X

**EKYC040E SELECTION CODE *code* IS NOT
SUPPORTED BY PROGRAM EKYC040X**

Explanation: The identified module was called with an unsupported function code and terminated. This is a programming error.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC040X

**EKYC041E NONZERO RETURN CODE OPENING
DB2 CURSOR *name* FOR TABLE
*tablename***

Explanation: The program was unable to open a DB2 cursor for the DB2 table *tablename*. The SQLCA is displayed after this message.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: The message following EKYC041E describes and translates the content of the SQLCA at the time the error occurred. Correct the error, and resubmit the job.

Module: EKYC040X

**EKYC042E NONZERO RETURN CODE FETCHING
DB2 CURSOR *name* FOR TABLE
*tablename***

Explanation: The program was unable to fetch a DB2 cursor for the DB2 table *tablename*. The SQLCA is displayed after this message.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: The message following EKYC042E describes and translates the content of the

SQLCA at the time the error occurred. Correct the error, and resubmit the job.

Module: EKYC040X

**EKYC043E NONZERO RETURN CODE CLOSING
DB2 CURSOR *name* FOR TABLE
*tablename***

Explanation: The program was unable to close a DB2 cursor for the DB2 table *tablename*. The SQLCA is displayed after this message.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: The message following EKYC043E describes and translates the content of the SQLCA at the time the error occurred. Correct the error, and resubmit the job.

Module: EKYC040X

**EKYC044E *value* IN THE *keyword* CANNOT BE
FOUND IN THE DPROP DIRECTORY**

Explanation: The program used the keyword values of the CHECK input command and tried to locate some information in the IMS DPROP directory, but the information was not available.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response:

- Scan the CHECK input command for spelling errors.
- Scan the IMS DPROP directory for the keyword values you specified.
- Determine whether or not the DB2 Application Plan you used in the job refers to the IMS DPROP system you wanted to use.

Correct the error, and resubmit the job.

Module: EKYC040X

**EKYC045E THE DPROP DIRECTORY CONTAINS
NO FIELD DEFINITIONS FOR PRID
name, SEGMENT *segment***

Explanation: The program tried to count the number of fields that belong to the identified PRID and segment, and DB2 returned zero.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Determine why the IMS DPROP DPRFLD table contains no rows for the identified PRID/segment. You can recreate the named

PRID by using an MVG/MVGU job. If the field and column description has been rebuilt in the IMS DPROP directory, resubmit the CCU job.

Module: EKYC040X

**EKYC046I THE FOLLOWING MESSAGES WERE
GENERATED WHEN MVG VALIDATED
THE PRS:**

Explanation: The program accessed the IMS DPROP DPRMSG table for all PRIDs resulting from the CHECK input command and retrieved all messages that were generated when MVG created or validated the PRs. The listed messages may help you in the error location phase to determine the reason and source for a data inconsistency.

Severity: Information.

System action: Processing continues.

Module: EKYC040X

**EKYC047I CCU USES DBNAME *name* PRSET
NAME *name*: RECEIVED FROM THE
DPROP DIRECTORY.**

Explanation: The program accessed the IMS DPROP directory with the first keyword value found in the CHECK DBD=, TAB= or PR= keyword, and set the identified database and PRSET name to be used for comparison with the other keyword values of the CHECK input command.

Severity: Information.

System action: Processing continues.

Module: EKYC040X

**EKYC048E DIRECT TECHNIQUE DOES NOT
SUPPORT THE CHARACTERISTICS OF
PRID *name***

Explanation: The program processed the IMS DPROP directory to retrieve all needed information for the specified CHECK control statement. The PRID shown in this message is excluded from the processing because the direct technique does not support its characteristics (the CCUFKEY column from the IMS DPROP directory DPRPR table has the value 'N').

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response:

- Specify a CHECK input statement that excludes the listed PRID from processing, or
- resubmit the job without the DIRECT keyword.
- You can also resubmit the job with an additional FORCE keyword in the CHECK input statement. See

the *IMS DataPropagator Reference* for more information and consequences of the FORCE keyword.

Module: EKYC030X

EKYC049E CHECK COMMAND ENTERED RESULTS IN MORE THAN 256 PRIDS TO BE PROCESSED BY CCU

Explanation: The specified CHECK input command results in a request of more than 256 PRIDs that the CCU should check within one job submission. This is not supported.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Specify a CHECK input command referring to less than 257 PRIDs, and resubmit the job.

Module: EKYC030X

EKYC050E *value* IN THE *keyword* LIST IS NOT ACCEPTED BECAUSE IT BELONGS TO PRSET *name*. THE OTHER OBJECTS IN THE *keyword* LIST BELONG TO PRSET *name1*

Explanation: The specified CHECK input command results in PRs referring to more than one database PRSET. This is not supported.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Specify a CHECK input command referring to only one PRSET, and resubmit the job.

Module: EKYC030X

EKYC051E *value* IN THE *keyword* LIST IS NOT ACCEPTED BECAUSE IT IS PRTYPE *type*

Explanation: The named PRID, segment, or DB2 table name doesn't belong to either PRTYPE=E, F or L.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Remove the PRID, segment or DB2 table name from the CHECK input command, and resubmit the job.

Module: EKYC030X

EKYC052E *value* IN THE *keyword* LIST IS NOT ACCEPTED BECAUSE IT DOES NOT BELONG TO DBD *name*, OR THE CCU DOES NOT SUPPORT THE SEGMENT/PRID CHARACTERISTICS

Explanation: The named PRID, segment, or DB2 table name doesn't belong to the same database as the other selected objects, or the program does not support the PR characteristics of the named object.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Remove the PRID, segment or DB2 table name from the CHECK input command, and resubmit the job.

Module: EKYC030X

EKYC053I ALL EXTENSION SEGMENTS OF MAPPING CASE 2 PRID *name* ARE EXCLUDED FROM DATA COMPARISON BECAUSE ONE OF THE SEGMENT TYPES IS A MAPPING CASE 2 EXTENSION SEGMENT (ROLE=X) IN THIS PRID AND PARENT SEGMENT (ROLE=P) FOR ANOTHER PRID THAT IS TO BE PROCESSED

Explanation: The program will only check the entity segment of this PRID because, within one CCU submission, the program does not support checking of segments that are both an extension segment of a mapping case 2 PRID, and a parent segment for any other PRID.

Severity: Information.

System action: Processing continues.

Programmer response: If you want to check the excluded segment types, you need to submit a subsequent CCU job. Specify a CHECK PR= keyword, referring to the excluded segment names.

Module: EKYC030X

EKYC054E DATABASE *name* HAS MORE THAN ONE PRSET: *name1* AND *name2*. SPECIFY A PRSET= KEYWORD

Explanation: The specified CHECK input command results in PRs referring to more than one database PRSET. This is not supported.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Specify a CHECK input command as follows:

- For a CHECK DBD= command, enter a PRSET keyword, and specify only segment names that refer to this PRSET name.
- For a CHECK PR= or CHECK TAB= command, enter only keyword values that refer to one database and, within this database, to one PRSET.

Correct the error, and resubmit the job.

Module: EKYC030X

EKYC055E SEGMENT *segment* FROM THE *keyword* LIST IS NOT ACCEPTED BECAUSE IT IS NOT A SEGMENT OF THE SPECIFIED DBNAME AND/OR PRSET NAME OR IT IS THE NAME OF A MAPPING CASE 3 INTERNAL SEGMENT

Explanation: The named segment type does not belong to the named database/PRSET combination, or it is the name of a mapping case 3 internal segment.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response:

- Remove the segment name from the CHECK input command
- specify a valid PRSET= keyword, or
- use the name of a mapping case 3 containing segment instead of the name of the mapping case 3 internal segment.

Correct the error, and resubmit the job. For more information, refer to the *IMS DataPropagator Reference*.

Module: EKYC030X

EKYC056E SEGMENT *segment* WITH PRID *name1* IN THE ASSIGN= LIST POINTS TO PRSET *name2*, WHICH IS NOT COMPATIBLE WITH PRSET *name3* POINTED TO BY THE OTHER PRIDS

Explanation: The named segment type does not belong to the database/PRSET combination referred to by other selected objects.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: You can either remove the named segment name and/or PRID from the CHECK input command, or specify a valid PRSET= keyword. Correct the error, and resubmit the job.

Module: EKYC030X

EKYC057E SEGMENT *segment* WITH PRID *name1* IN THE ASSIGN= LIST IS NOT ACCEPTED BECAUSE IT IS NOT A VALID COMBINATION FOR DATABASE *name2* AND PRSET *name3*

Explanation: The named segment type does not belong to the database/PRSET combination referred to by other selected objects.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: You can either remove the named segment/PRID from the CHECK input command, or specify a valid PRSET= keyword. Correct the error, and resubmit the job.

Module: EKYC030X

EKYC058E AT LEAST TWO PRIDS, *name1* AND *name2*, REFER TO SEGMENT *segment*. USE AN ASSIGN= KEYWORD TO UNIQUELY IDENTIFY THE SEGMENT/PRID YOU WANT TO CHECK

Explanation: The program retrieved information from the IMS DPROP directory and found more than one PRID with ROLE=Entity, Extension or Containing for the named segment.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Specify an ASSIGN= keyword in the CHECK statement for the identified segment and for the PRID that should be checked. Refer to the *IMS DataPropagator Reference* for more information.

Module: EKYC030X

EKYC059I TWO PRIDS, *name1* AND *name2*, REFER TO SEGMENT *segment*. THE CCU WILL PROCESS BOTH PRIDS, BUT IN CASE OF DATA INCONSISTENCIES, THE REPAIR STATEMENTS FOR THESE PRIDS MIGHT BE CONFLICTING

Explanation: The program retrieved information from the IMS DPROP DPRSEG table and found more than one PRID definition for the named segment. The program will process both PRIDs.

Severity: Information.

System action: Processing continues.

Programmer response: In case of data inconsistencies for the named and RIR-dependent PRIDs, carefully analyze the generated repair files

before you apply them to your IMS and/or DB2 data. Refer to the *IMS DataPropagator Reference* for more information.

Module: EKYC030X

EKYC060E MAPPING CASE 2 ENTITY SEGMENT *segment1* WITH PRID *name1* MUST BE INCLUDED IN THE SEG= KEYWORD, BECAUSE ITS EXTENSION SEGMENT *segment2* IS INCLUDED IN THE SEG= LIST

Explanation: it

The program cannot process mapping case 2 extension segments only; it also needs the name of the entity segment in the SEG= list.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the entity segment of this mapping case 2 extension segment is included with the same PRID in the SEG= list, and resubmit the job.

Module: EKYC030X

EKYC061E SEGMENT *segment* IS IN THE *keyword* LIST BUT IT IS *value* BY THE CCU

Explanation: If the named segment type is in the SEG= list, then the program excluded it because a CCU rule is violated. Otherwise, scan the following messages (EKYC070I or EKYC072I) in the //CCUPRINT data set to determine the reason for this error.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Correct the error, and resubmit the job.

Module: EKYC030X

EKYC062E ENTITY SEGMENT *segment1* IS PROPAGATED BY MULTIPLE PRIDS, OR EXTENSION SEGMENT *segment2* NEEDS TO BE EXCLUDED BY AN EXCLUDE= KEYWORD BECAUSE ITS ENTITY SEGMENT IS EXCLUDED FROM PROCESSING

Explanation: The named IMS segment is either propagated by multiple PRIDs within the same PRSET, or it is:

- A mapping case 2 entity segment, which is in the EXCLUDE= list, but its mapping case 2 extension segments are not in the EXCLUDE= list, or

- A mapping case 2 entity segment, which is not in the SEG= list, but its mapping case 2 extension segments are in the SEG= list.

Mapping case 2 extension segments can only be checked when their entity segment is also checked.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Correct the error, and resubmit the job.

Module: EKYC030X

EKYC063E SEGMENT *segment* IS INCLUDED MORE THAN ONCE IN THE ASSIGN= LIST

Explanation: The named segment is included more than once in the ASSIGN= list.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Remove one combination of segment and PRID name from the ASSIGN= list, and resubmit the job.

Module: EKYC030X

EKYC064E SEGMENT *segment* WITH PRID *name* IN THE ASSIGN= LIST IS NOT ACCEPTED BECAUSE THIS IS AN INVALID COMBINATION OR A CCU RULE IS VIOLATED

Explanation: The identified PRID does not belong to the named segment, or any of the CCU rules addressing the CHECK input command are violated.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Scan the IMS DPROP directory to retrieve the valid PRID for the specified segment name. Refer to the *IMS DataPropagator Reference* for information about CCU rules.

Module: EKYC030X

EKYC065E TWO PRIDS FROM THE PR= LIST, *name1* AND *name2*, REFER TO SEGMENT *segment*. REMOVE ONE OF THESE PRIDS FROM THE PR= LIST

Explanation: The two identified PRIDs point to the same IMS segment type, and the PR characteristics do not allow processing of both PRIDs within one CCU submission.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Remove one of the PRIDs from the CHECK input command, and resubmit the job.

Module: EKYC030X

EKYC066E TWO PRIDS, *name1* AND *name2*, POINTED TO BY TWO TABLE NAMES FROM THE TAB= LIST REFER TO SEGMENT *segment*. REMOVE ONE OF THE TABLE NAMES FROM THE TAB= LIST

Explanation: The program accessed the IMS DPROP directory and found that the named PRIDs propagate to/from the same IMS segment type. The PR characteristics do not allow processing of both PRIDs within one CCU submission.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Remove one of the DB2 table names from the CHECK input command, and resubmit the job.

Module: EKYC030X

EKYC067E THE VIEW NAME *viewname* FROM THE USE= LIST CANNOT OVERWRITE TABLE NAME *table*, BECAUSE THERE IS NO TABLE WITH THAT NAME TO BE CHECKED BY THE CCU OR A QUALIFIER= KEYWORD ALREADY OVERWRITES THE TABLE NAME

Explanation: The program tried to overwrite the identified DB2 table name with the DB2 view name you specified in the USE= operand, but either the DB2 table name does not exist or is not selected, or you specified a QUALIFIER= operand and this qualifier already overwrites the DB2 table name.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Check the values or the USE= keyword for spelling errors, or remove either the USE= keyword for the named DB2 table or the QUALIFIER= keyword, and then resubmit the job.

Module: EKYC030X

EKYC068W QUALIFIER=*name* IS NOT USED BECAUSE THERE WERE NO UNQUALIFIED TABLES FOUND IN THE DPROP DIRECTORY

Explanation: The program tried to add the value of the QUALIFIER= keyword to all unqualified DB2 table names selected by the CHECK input command but there were no unqualified DB2 table names found in the IMS DPROP directory.

Severity: Warning.

System action: Processing continues but sets a return code of 4.

Programmer response: Remove the QUALIFIER= keyword from the CHECK input command.

Module: EKYC030X

EKYC069W CCU DATA MISMATCH INDICATIONS CAN BE CAUSED BY COMBINING THE DIRECT TECHNIQUE WITH KEY MAPPING A NUMERIC IMS FIELD TO A DB2 PRIMARY KEY COLUMN HAVING A NUMERIC DATATYPE, IF THE VALUES OF THESE FIELDS/COLUMNS CAN CONTAIN BOTH POSITIVE AND NEGATIVE NUMBERS

Explanation: The CCU will likely indicate data mismatches that are not really data inconsistencies if the fields/columns listed following the message can contain negative numbers.

Severity: Warning.

System action: Processing continues but sets a return code of 4.

Programmer response: Determine whether or not the values of the identified fields and columns have mixed negative/positive or negative numbers. If they have, you should submit the hashing technique for the specified PRIDs. For more information, refer to the appropriate Administrators Guide for your propagation mode.

Module: EKYC030X

EKYC070I PRSET *name1* OF DATABASE *name2* CONTAINS THE FOLLOWING PRIDS, SEGMENTS AND PROPAGATED TABLES:

Explanation: Following the message you get a list of PRIDs that belong to the identified database and PRSET, and whether or not the PRIDs are being selected for processing.

Severity: Information.

System action: Processing continues.

Module: EKYC050X

EKYC071E PRSET *name1* IS NOT VALID FOR DATABASE *name2*, OR ALL PRIDS ARE EXCLUDED

Explanation: Either the program found a PRSET name that does not belong to the identified database name, or the CHECK input command was such that no PRIDs are selected for processing.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: To find the reason causing the error, refer to the list following the message. The 'Comments' column in this list describes the error.

Module: EKYC050X

EKYC072I DATABASE *name* CONTAINS THE FOLLOWING PRIDS, SEGMENTS AND PROPAGATED TABLES:

Explanation: Following the message you get a list of PRIDs that belong to the identified database and PRSET, and whether or not the PRIDs are being selected for processing.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYC050X

EKYC073E *prid* IN THE *list* LIST IS NOT ACCEPTED BECAUSE PROPAGATION IS TO A NON-CONDENSED CONSISTENT CHANGE DATA TABLE

Explanation: The PRID *prid* or DB2 tablename corresponds to a non-condensed change data table. The CCU cannot process non-condensed consistent change data tables.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Remove the *prid* or DB2 tablename from the CHECK input command and resubmit the job.

Module: EKYC030X

EKYC075E DATABASE ORGANIZATION FORM OF DBD *name1*/*dborg* DOES NOT ALLOW THE DIRECT TECHNIQUE TO BE USED UNLESS A 'FORCE' KEYWORD IS SPECIFIED

Explanation: By default, the program cannot process the data of the identified database with the direct

technique. Because of the database organization form, at least the IMS root segments cannot likely be retrieved in an ascending order key sequence.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Choose the hashing technique and resubmit the job.

If you are sure that the retrieve sequence of the IMS segments matches the sequence in which the DB2 rows can be retrieved, you can resubmit the job with an additional FORCE keyword in the CHECK input command. For more information, refer to the *IMS DataPropagator Reference*.

Module: EKYC060X

EKYC077E NO DBD EXTENSION/VERSION ID FOUND FOR DBD *name* OR IT IS NOT A VALID DBD LOAD MODULE

Explanation: The program tried to access the DBD extension/version control block for the named DBD load module and received an invalid address.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Determine whether the correct IMS DBDLIB data set was specified on the //CCUDBD DD statement, check the data set concatenations, check if the specified DBD really is a DBD load module, correct the error and resubmit the job.

Module: EKYC060X

EKYC078E OPEN FAILED FOR DBDLIB *dsname* ALLOCATED THROUGH //ddname DD STATEMENT

Explanation: The program was unable to open the data set identified by ddname //CCUDBD. The DD statement is missing or the ddname is misspelled in an existing DD statement.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Correct the error, and resubmit the job.

Module: EKYC060X

EKYC079E MEMBER *name* COULD NOT BE LOADED FROM DBDLIB ALLOCATED THROUGH //ddname DD STATEMENT

Explanation: After a BLDL instruction for the identified DBD, the program received a nonzero return code.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Check whether the identified DBD load module is an executable member of the DBD load library identified by ddname //CCUDBD, correct the error, and resubmit the job.

Module: EKYC060X

EKYC080E DATABASE ORGANIZATION FORM/ACCESS METHOD *dborg* OF DBD *name* IS NOT SUPPORTED BY CCU

Explanation: The program checked the organization and access method of the identified DBD, but it does not support the identified database organization or access method.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: You cannot use the CCU to check propagated data of this database.

Module: EKYC060X

EKYC081E CCU DOES NOT SUPPORT DATABASE ORGANIZATION FORM/ACCESS METHOD *dborg/dbaccess* OF DBD *name*

Explanation: The program checked the organization and access method of the identified DBD, but it does not support the identified database organization or access method.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: You cannot use the CCU to check propagated data of this database.

Module: EKYC060X

EKYC082E CCU DOES NOT SUPPORT THE "LOGICAL" DATABASE TYPE OF DBD *name*

Explanation: A DBD name was received from the IMS DPROF mapping tables, and after loading the DBD from the library identified by ddname //CCUDBD, the program found a database type of *logical*. The CCU

needs a *physical* database type.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: You cannot use the CCU to check propagated data of a logical DBD. Replace the data set name allocated by DD statement //CCUDBD, or replace the database name with a name describing a physical DBD.

Module: EKYC060X

EKYC083E DPROF DIRECTORY TABLE DPRSEG CONTAINS SEGMENT *segment* WHICH CANNOT BE FOUND IN DBD LOAD MODULE *name*

Explanation: The program tried to find the identified segment, which was retrieved from the IMS DPROF directory, in the DBD load module that is a member of the library allocated with ddname //CCUDBD. However, the segment was not found in the DBD load module. This can happen if the database definitions were changed without regenerating the IMS DPROF directory, or if an incorrect DBDLIB was allocated in ddname //CCUDBD.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Check //CCUDBD DD statement concatenations and remove unneeded DD statements; compare the DBD load module version with the DBD version in the IMS DPROF directory. You may need to recreate the PRs. Correct the error and resubmit the job.

Module: EKYC060X

EKYC084E ERROR ENCOUNTERED ON DD STATEMENT *ddname*

Explanation: An error occurred while the program was trying to write a record to the data set with the ddname identified in the message.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Refer to the message displayed in the JES job log, correct the error, and resubmit the job.

Module: EKYC060X

EKYC085I THE FOLLOWING PSB SOURCE CODE IS ASSEMBLED AND LINKED INTO
dsname:

Explanation: The program created the PSB source code as shown following the message. This PSB source code is assembled and linked into the data set identified in the message.

Severity: Information.

System action: Processing continues.

Module: EKYC060X

EKYC086E ASSEMBLY ERROR, RC=returncode FOR PSB psbname

Explanation: The program was unable to assemble the generated PSB source code because the IEV90 assembler terminated with the identified return code.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Scan the assembly list for an error message.

Check DD statements ASYSLIN, ASYSLIB, ASYSIN and ASYSPRT, correct the error, and resubmit the job.

Module: EKYC060X

EKYC087E LINK ERROR, RC=returncode FOR PSB psbname

Explanation: The program was unable to link edit the assembled PSB object code because the DFSILNK0 program terminated with the identified return code.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Scan the link output list for an error message.

Check DD statements ASYSLIN, LSYSLIB and LSYSPT, correct the error, and resubmit the job.

Module: EKYC060X

EKYC088E KEYONLY IS NOT ALLOWED EITHER FOR SEGMENTS THAT ARE PROPAGATED WITH 'PATHDATA' OR 'WHERE' MAPPING OPTION, OR IF A SEGMENT TYPE IN ANY PHYSICAL PATH HAS ID FIELDS THAT ARE MAPPED TO THE DB2 PRIMARY KEY

Explanation: The program checked the segments listed following the message for compatibility with the KEYONLY keyword specified in the CHECK input command. The listed segments violate the rules for

KEYONLY, because they either are defined as source for path data, or have ID fields mapped to the DB2 primary key.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Remove the PRID, segment, or DB2 table causing the error from the CHECK input command, or remove the KEYONLY keyword from the CHECK input command, and resubmit the job.

Module: EKYC060X

EKYC089I PSB GENERATION HAS SUPPRESSED EVENTUAL PROCOPT=K KEYWORDS FOR ALL ABOVE SENSEGS, BECAUSE AT LEAST ONE SEGMENT TYPE HAS ID FIELDS MAPPED TO THE DB2 PRIMARY KEY, OR AT LEAST ONE SEGMENT TYPE USES 'PATHDATA' OR 'WHERE' MAPPING OPTION

Explanation: For performance reasons, the program generates a PROCOPT=K (processing option 'key sensitivity') for all segments that are parents of a segment type selected for processing, if these parent segments are not selected for processing.

For the listed segment types the program did not generate a PROCOPT=K, because they have ID fields used to build the DB2 primary key, or they are subject to the PATHDATA or WHERE mapping option.

Severity: Information.

System action: Processing continues.

Module: EKYC060X

EKYC090E LINKAGE EDITOR TERMINATED ABNORMALLY. SEE JES JOBLOG

Explanation: The program was unable to link edit the assembled PSB object code because the DFSILNK0 program terminated.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Scan the link output list and the JES JOBLOG for an error message. Check DD statements ASYSLIN, LSYSLIB and LSYSPT, correct the error, and resubmit the job.

Module: EKYC060X

**EKYC091W PSB GENERATION SUPPRESSED
BECAUSE NO PSBNAME= KEYWORD
WAS SPECIFIED**

Explanation: The program tried to generate a PSB load module, but there was no PSBNAME= keyword specified in the CHECK input command. The PSBNAME= keyword is required for synchronous and optional for asynchronous IMS DPROP systems. If no PSB is generated by the CCU, you need to submit the IMS read phase using an HD unload file as a replacement for the IMS database, and the error location phase using the //CCUDBOUT DD statement as a replacement to the IMS database.

Severity: Warning.

System action: Processing continues but sets a return code of 4.

Module: EKYC060X

**EKYC092E SYNCHRONOUS DPROP SYSTEM
REQUIRES THE PSBNAME=
KEYWORD IN THE CHECK INPUT
COMMAND**

Explanation: For a synchronous IMS DPROP system, the CCU accepts only the IMS database as input to the IMS read and error location phase. To access the IMS database, a PSB is required and, therefore, you need to specify a PSBNAME= keyword.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Specify a PSBNAME= keyword in the CHECK input command and resubmit the job.

Module: EKYC060X

EKYC093E //SYSLMOD DD STATEMENT MISSING

Explanation: The program expected to find a //SYSLMOD DD statement in the job control of the initialization phase, but it could not locate it. The //SYSLMOD DD statement is used to store the generated PSB load module.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Specify a //SYSLMOD DD statement with a valid PSBLIB data set and resubmit the job.

Module: EKYC060X

**EKYC094E SUBMITTING THE DIRECT TECHNIQUE
WITH THE READONLY KEYWORD IS
NOT SUPPORTED FOR THE
FOLLOWING PRIDS. REMOVE THESE
PRIDS FROM THE CHECK INPUT
COMMAND:**

Explanation: The READONLY keyword cannot be used to check data propagated by mapping case 3 PRIDs.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: You can either remove the READONLY keyword from the CHECK input command, or specify a CHECK input command that does not include the PRIDs listed following the message.

Module: EKYC070X

**EKYC095I SQL STATEMENT FOR PRID *name*,
TABLE *tablename*:**

Explanation: The program created an SQL statement for the identified DB2 table, wrote it to the //CCUCDS data set, and sent it to the //CCUPRINT output data set following this message (you can export the printed statement and change it to be input for a DB2 sample program, allowing you to EXPLAIN the access path to your application tables).

Severity: Information.

System action: Processing continues.

Module: EKYC070X

**EKYC096I COMBINING THE CCU DIRECT
TECHNIQUE WITH A DESCENDING
ORDERING SEQUENCE OF DB2
PRIMARY KEY COLUMNS COULD
LEAD TO A HUGE DATA MISMATCH
INDICATION LIST IN THE READ AND
COMPARE PHASE**

Explanation: See explanations following message EKYC097W.

Severity: Information.

System action: Processing continues.

Programmer response: You can ignore this message and continue with the remaining CCU job steps. If you do, you may receive a large list of data mismatch indications in the read and compare phase, but the error location phase will presumably nullify many of these data mismatch indications. Alternatively, you can exclude the listed PRIDs from processing and process them with the hashing technique.

Module: EKYC070X

EKYC097W COMBINING THE CCU DIRECT TECHNIQUE AND THE DESCENDING ORDERING SEQUENCE OF DB2 PRIMARY KEY COLUMNS COULD LEAD TO GENERATED REPAIR FILES THAT SHOULD BE CAREFULLY ANALYZED BEFORE APPLYING THEM TO THE IMS AND/OR DB2 DATA

Explanation: A successful run of the direct technique requires that the IMS data be retrieved in the same sequence as the related propagated DB2 rows. In the direct technique, the CCU generates for all the generated SQL statements 'ORDER BY' clauses referring to all columns that build the DB2 primary key of the DB2 table.

The PRIDs listed following the message might have a DB2 ordering sequence that doesn't allow the program to determine whether or not the data retrieval sequence of the DB2 rows is the same as the retrieval sequence of the IMS data. If it is not the same, and because you specified the READONLY keyword in the CHECK input command, you will presumably retrieve many data mismatch indications for data that is not really inconsistent. The repair files will have many repair statements that are not applicable, or repair statements that even destroy your data from an application's perspective.

Severity: Warning.

System action: Processing continues but sets a return code of 4.

Programmer response: You can ignore this message and continue with the remaining CCU job steps. In this case, verify all generated repair statements before applying them to your databases. You may prefer to submit the hashing technique for the listed PRIDs and ensure that the repair statements are applicable.

Module: EKYC070X

EKYC098E COMBINING THE CCU DIRECT TECHNIQUE WITH THE READONLY KEYWORD AND THE DESCENDING ORDERING SEQUENCE OF THE FOLLOWING DB2 COLUMNS IS NOT SUPPORTED UNLESS A FORCE KEYWORD IS SPECIFIED

Explanation: See explanations following message EKYC097W.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: You can specify a FORCE keyword in the CHECK input command and resubmit the job. In this case, verify all generated repair statements before applying them to your databases.

You may prefer to submit the hashing technique for the listed PRIDs and ensure that the repair statements are applicable.

Module: EKYC070X

EKYC099W FORCE KEYWORD IS NOT REQUIRED FOR DBD NAME *name*

Explanation: You specified a FORCE keyword in the CHECK input command, but the program did not require it.

Severity: Warning.

System action: Processing continues but sets a return code of 4.

Programmer response: Remove the FORCE keyword from the CHECK input command.

Module: EKYC070X

EKYC100I DL/I READ PHASE STARTED

Explanation: The IMS read phase of the hashing technique started.

Severity: Information.

System action: Processing continues.

Module: EKYC100X

EKYC101E //CCUPRINT DD STATEMENT MISSING OR I/O ERROR ON //CCUPRINT DATA SET

Explanation: The program could not open the //CCUPRINT data set for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the //CCUPRINT data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Correct the error, and resubmit the job.

Module: EKYC100X

EKYC102I DL/I READ PHASE ENDED *at end of data / after n errors* warning messages have been issued *rup* reported *n* mapping errors

Explanation: The DL/I read phase of the hashing technique ended normally. The output data sets for the remaining CCU steps were generated.

With *AT® END OF DATA*, the CCU processed all selected data. With *AFTER n ERRORS*, the processing is stopped after the value of MAXERROR was reached.

With this message, you may also receive *WARNING MESSAGES HAVE BEEN ISSUED* and/or *RUP REPORTED n MAPPING ERRORS*.

Severity: Information.

System action: Processing continues.

Programmer response: You can submit the remaining CCU steps; however, if you received warning messages, be aware that warnings could lead to unwanted results in the remaining CCU steps. Scan the output listing for warning messages, determine their source, and, if necessary, eliminate the source causing the warning and resubmit the job. If you received RUP mapping errors, then for n-times the CCU could not process the IMS segments and DB2 rows identified in the RUP error messages found in the //CCUPRINT data set.

Module: EKYC100X

EKYC103I DL/I READ PHASE ENDED WITH ERRORS

Explanation: One or more error messages were issued on the //CCUPRINT output data set, and a program return code higher than 4 was set.

Severity: Information.

System action: Processing continues.

Programmer response: Scan the //CCUPRINT output list for preceding error messages, refer to the corresponding message descriptions, correct the errors, and resubmit the job.

Module: EKYC100X

EKYC104E REQUESTED MODULE EKYC805X NOT FOUND

Explanation: The program tried to locate the named module in the program load library but it could not find it.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Compare the job steplib allocation or the linklist concatenation with the location of the requested module, correct the error, and rerun the job.

Module: EKYC100X

EKYC200I DB2 READ PHASE STARTED

Explanation: The DB2 read phase of the hashing technique is started.

Severity: Information.

System action: Processing continues.

Module: EKYC200X

EKYC201E //CCUPRINT DD STATEMENT MISSING OR I/O ERROR ON //CCUPRINT DATA SET

Explanation: The program was unable to open the //CCUPRINT data set for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the //CCUPRINT data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Correct the error, and resubmit the job.

Module: EKYC200X

EKYC202I DB2 READ PHASE ENDED AT END OF DATA *warning messages have been issued*

Explanation: The DB2 read phase of the hashing technique ended normally. The CCU accessed all available data. The output data sets for the remaining CCU steps were generated. With this message, you could also receive *WARNING MESSAGES HAVE BEEN ISSUED*.

Severity: Information.

System action: Processing continues.

Programmer response: You can submit the remaining CCU steps, however, if you received warning messages, be aware that warnings could lead to unwanted results in the remaining CCU steps. Scan the output listing for warning messages, determine their source, and, if necessary, eliminate the source causing the warning, and resubmit the job.

Module: EKYC200X

EKYC203I DB2 READ PHASE ENDED WITH ERRORS

Explanation: One or more error messages were issued on the //CCUPRINT output data set, and a program return code higher than 4 was set.

Severity: Information.

System action: Processing continues.

Programmer response: Scan the //CCUPRINT output list for preceding error messages, refer to the corresponding message descriptions, correct the errors, and resubmit the job.

Module: EKYC200X

EKYC204E REQUESTED MODULE EKYC805X NOT FOUND

Explanation: The program tried to locate the named module in the program load library but it could not find it.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Compare the job steplib allocation or the linklist concatenation with the location of the requested module, correct the error, and rerun the job.

Module: EKYC200X

EKYC300I READ AND COMPARE PHASE STARTED

Explanation: The read and compare phase of the direct technique is started.

Severity: Information.

System action: Processing continues.

Module: EKYC300X

EKYC301E //CCUPRINT DD STATEMENT MISSING OR I/O ERROR ON //CCUPRINT DATA SET

Explanation: The program was unable to open the //CCUPRINT data set for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the //CCUPRINT data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Correct the error, and resubmit the job.

Module: EKYC300X

EKYC302I *number* MISMATCH INDICATION RECORDS WRITTEN TO //CCUMSMTC DATA SET

Explanation: The CCU created *n* mismatch indication records and wrote them to the data set allocated through ddname //CCUMSMTC.

Severity: Information.

System action: Processing continues.

Module: EKYC300X

EKYC303I *number* DATA INCONSISTENCIES LISTED WITHIN THIS RUN

Explanation: The CCU detected *n* data inconsistencies and listed them in detail in the //CCUPRINT data set. If no KEYONLY keyword was specified in the CHECK input command, the IMS and/or DB2 repair files have been generated.

Severity: Information.

System action: Processing continues.

Module: EKYC300X

EKYC304I READ AND COMPARE PHASE ENDED *at end of data I after n errors warning messages have been issued, rup reported n errors hup reported n errors*

Explanation: The read phase and compare phase of the direct technique ended normally.

With *AT END OF DATA*, the CCU processed all selected data. With *AFTER n ERRORS*, the processing stopped after the value of MAXERROR was reached. With this message, you could also receive *WARNING MESSAGES HAVE BEEN ISSUED, RUP REPORTED n MAPPING ERRORS*. Or *HUP REPORTED n MAPPING ERRORS*.

Severity: Information.

System action: Processing continues.

Programmer response: If you received warning messages, be aware that warnings could lead to unwanted results in the CCU processing. Scan the output listing for warning messages, determine their source, and, if necessary, eliminate the source causing the warning and resubmit the job. If you received RUP and/or HUP mapping errors, then for *n*-times the CCU could not process the IMS segments and DB2 rows identified in the error messages found in the //CCUPRINT data set.

Module: EKYC300X

EKYC305I READ AND COMPARE PHASE ENDED WITH ERRORS

Explanation: One or more error messages were issued on the //CCUPRINT output data set, and a program return code higher than 4 was set.

Severity: Information.

System action: Processing continues.

Programmer response: Scan the //CCUPRINT output list for preceding error messages, refer to the corresponding message descriptions, correct the errors, and resubmit the job.

Module: EKYC300X

EKYC306E REQUESTED MODULE EKYC805X NOT FOUND

Explanation: The program tried to locate the named module in the program load library, but it could not find it.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Compare the job steplib allocation or the linklist concatenation with the location of the requested module, correct the error, and rerun the job.

Module: EKYC300X

EKYC310I STATISTICS FOR RETRIEVED IMS AND DB2 DATA:

Explanation: Following this message, you see an output listing giving you an overview of the retrieved IMS and DB2 data.

Severity: Information.

System action: Processing continues.

Programmer response: Refer to the *IMS DataPropagator Reference* for further information on interpreting CCU reports.

Module: EKYC310X

EKYC311I STATISTICS FOR RETRIEVED IMS AND DB2 DATA AT TIME OF ERROR:

Explanation: Following this message, an output list gives you an overview of the retrieved IMS and DB2 data at the time an error occurred.

Severity: Information.

System action: Processing continues.

Module: EKYC310X

EKYC312I CCU DATA MISMATCH INDICATIONS CAN BE CAUSED BY SPECIFYING THE FORCE KEYWORD IN THE CHECK INPUT COMMAND

Explanation: The CCU indicated some data mismatches, but it does not know whether or not data mismatches are caused by the FORCE keyword you specified in the CHECK input command.

Severity: Information.

System action: Processing continues.

Programmer response: Refer to the *IMS DataPropagator Reference* for information on the Consistency Check Utility and interpreting the CCU reports.

Module: EKYC310X

EKYC400I HASH SUM COMPARE PHASE STARTED

Explanation: The hash sum compare phase started.

Severity: Information.

System action: Processing continues.

Module: EKYC400X

EKYC401E //CCUPRINT DD STATEMENT MISSING OR I/O ERROR ON //CCUPRINT DATA SET

Explanation: The program was unable to open the //CCUPRINT data set to write messages for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the //CCUPRINT data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure a DD statement with ddname //CCUPRINT is defined.

Check for any other messages issued by IMS DPROP I/O services. Correct the error, and resubmit the job.

Module: EKYC400X

EKYC402E //CCUCDS DD STATEMENT MISSING OR I/O ERROR ON //CCUCDS DATA SET

Explanation: The program was unable to open the //CCUCDS control data set to retrieve CCU internal information for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the //CCUCDS data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure a DD statement with ddname //CCUCDS is defined and check for any other messages issued by IMS DPROP I/O services. Correct the error, and resubmit the job.

Module: EKYC400X

**EKYC403E //CCUCDS CONTROL DATA SET
CONTAINS INVALID DATA**

Explanation: The program read the //CCUCDS input data set and found invalid data.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the //CCUCDS control data set is the same data set that was created by the CCU initialization phase. Correct the error, and resubmit the job.

Module: EKYC400X

**EKYC405E //CCUCDS CONTROL DATA SET
CONTAINS INVALID DATA IN THE DATA
SET LENGTH FIELD. LENGTH=value**

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 8.

System programmer response: Call IBM Software Support for assistance.

Module: EKYC400X

**EKYC406E //CCUCDS DD STATEMENT MISSING
OR DATA SET IS EMPTY**

Explanation: The program was unable to open the //CCUCDS control data set to retrieve CCU internal information. The DD statement is missing or the ddname is misspelled in an existing DD statement.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that:

- A DD statement with ddname //CCUCDS was defined.
- The CCU initialization phase ended successfully.
- The //CCUCDS control data set is the same data set that was created by the CCU initialization phase.

Correct the error, and resubmit the job.

Module: EKYC400X

**EKYC407E //CCUCDS CONTROL DATA SET HAS
AN INVALID NUMBER OF RECORDS
—SHOULD BE number**

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 8.

System programmer response: Call IBM Software Support for assistance.

Module: EKYC400X

**EKYC408E //ddname DD STATEMENT MISSING OR
I/O ERROR ON //ddname DATA SET**

Explanation: The program was unable to open the //ddname data set to retrieve data records for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the //ddname data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure a DD statement with the identified ddname was defined.

Check any messages previously issued by IMS DPROP I/O services. Correct the error, and resubmit the job.

Module: EKYC400X

**EKYC409E HASH SUM DATA SET WITH DDNAME
//ddname CONTAINS INVALID DATA**

Explanation: The program read the data records from the data set identified by //ddname and found invalid data.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the data set identified by //ddname is the same data set that was created by the CCU read phase. Correct the error, and resubmit the job.

Module: EKYC400X

**EKYC410E //ddname DD STATEMENT MISSING OR
//ddname DATA SET IS EMPTY**

Explanation: The program was unable to open the //ddname data set to retrieve data records. The DD statement is missing, the ddname is misspelled in an existing DD statement, or the data set is empty.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure a DD statement named // ddname was defined and that the //ddname data set is the same data set created by the CCU read

phase. Correct the error, and resubmit the job.

Module: EKYC400X

**EKYC411E HASH SUM DATA SET WITH DDNAME
//ddname HAS AN INVALID NUMBER
OF RECORDS —SHOULD BE *number***

Explanation: The hash sum data set with the identified ddname has an invalid number of records. The message shows the number of records the data set should contain.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the // ddname data set is the same data set created by the CCU read phase and that the CCU read phases ended successfully. Correct the error, and resubmit the job.

Module: EKYC400X

**EKYC420E DL/I READ PHASE DID NOT END
PROPERLY**

Explanation: The program read the data records from the //CCUHSUM1 data set and detected that the IMS read phase ended with a return code other than 0 or 4.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Scan the output listing of the IMS read phase for error messages, correct these errors, rerun the IMS read phase, and resubmit the CCU hash sum compare phase.

Module: EKYC400X

**EKYC421E DB2 READ PHASE DID NOT END
PROPERLY**

Explanation: The program read the data records from the //CCUHSUM2 data set and detected that the DB2 read phase ended with a return code other than 0 or 4.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Scan the output listing of the DB2 read phase for error messages, correct these errors, rerun the DB2 read phase, and resubmit the CCU hash sum compare phase.

Module: EKYC400X

**EKYC422E TIMESTAMP MISMATCH BETWEEN
THE //CCUCDS CONTROL DATA SET
CREATED DURING INITIALIZATION
PHASE AND THE //ddname DATA SET
CREATED DURING READ PHASE**

Explanation: When the //CCUCDS control data set is created, a "creation timestamp" is written to the data set and passed from one job step to the next. The program compared the timestamp from the //CCUCDS data set with the timestamp in the data set identified by //ddname and found an inconsistency.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the data set identified by //ddname is the same data set created by the CCU read phase. Correct the error, and resubmit the job.

Module: EKYC400X

**EKYC423E DL/I READ PHASE CONTROL RECORD
IN //CCUHSUM1 DATA SET IS MISSING**

Explanation: The program read the data records from the //CCUHSUM1 data set and expected to retrieve a CCU internal control record, but this record was not found.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the //CCUHSUM1 data set is the same data set created by the IMS read phase, and that the IMS read phase ended with a return code of 0 or 4. Correct the error, and resubmit the job.

System programmer response: If the error occurs again, call IBM Software Support for assistance.

Module: EKYC400X

**EKYC424E DB2 READ PHASE CONTROL RECORD
IN //CCUHSUM2 DATA SET IS MISSING**

Explanation: The program read the data records from the //CCUHSUM2 data set and expected to retrieve a CCU internal control record, but this record was not found.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the //CCUHSUM2 data set is the same data set created by the DB2 read phase, and that the DB2 read phase

ended with a return code of 0 or 4. Correct the error, and resubmit the job.

System programmer response: If the error occurs again, call IBM Software Support for assistance.

Module: EKYC400X

EKYC425E LENGTH OF RECORD TYPE *type* IN //CCUHSUM1 AND //CCUHSUM2 DATA SETS IS NOT EQUAL: RECORD CODE *code*, PRID *name*

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 8.

System programmer response: Call IBM Software Support for assistance.

Module: EKYC400X

EKYC426E RECORD TYPE *type* IN //CCUHSUM2 DATA SET IS MISSING: RECORD CODE *code*, PRID *name*

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 8.

System programmer response: Call IBM Software Support for assistance.

Module: EKYC400X

EKYC427E SEGMENT ENTRY IN //CCUCDS DATA SET NOT FOUND FOR: RECORD TYPE *type* RECORD CODE *code*

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 8.

System programmer response: Call IBM Software Support for assistance.

Module: EKYC400X

EKYC428E RECORD IN //CCUHSUM1 DATA SET IS MISSING: RECORD TYPE *type*, RECORD CODE *code*, PRID *name*

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 8.

System programmer response: Call IBM Software Support for assistance.

Module: EKYC400X

EKYC429E MULTIPLE RECORDS OF SAME TYPE IN //CCUHSUM1 DATA SET: RECORD TYPE *type*, RECORD CODE *code*, PRID *name*

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 8.

System programmer response: Call IBM Software Support for assistance.

Module: EKYC400X

EKYC430E HASH SUM COMPARE PHASE CANNOT BE SUBMITTED DURING DIRECT TECHNIQUE PROCESSING

Explanation: When the CCU initialization phase ran, the CHECK control statement included the DIRECT keyword. The hash sum compare phase is not part of the direct technique.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: If you want to run the CCU hashing technique, remove the DIRECT keyword from the CHECK input command and make sure that the //CCUCDS data set is the same data set that was created by the initialization phase. Correct the error, and resubmit the job.

If you want to run the CCU direct technique, remove the hash sum compare phase step from your job control stream. Correct the error, and resubmit the job.

Module: EKYC400X

EKYC431W HASH SUMS ARE NOT EQUAL FOR PRID *name* SEGMENT *segment* TABLE *tablename*

Explanation: The program compared the hash sums created by the IMS read phase with the hash sums created by the DB2 read phase and found a mismatch. There are probably data inconsistencies for the identified PR ID/segment/table combination.

Severity: Warning.

System action: Processing continues.

Programmer response: If applicable, submit the compare and error location phase to verify the data mismatch indications.

Module: EKYC400X

EKYC432I HASH SUMS ARE EQUAL FOR PRID
name **SEGMENT** *segment* **TABLE**
tablename

Explanation: The program compared the hash sums created by the IMS read phase with the hash sums created by the DB2 read phase and found no mismatch. You can assume that the data is consistent for the identified PRID/segment/table combination.

Severity: Information.

System action: Processing continues.

Module: EKYC400X

EKYC433I NO HASH SUMS AVAILABLE FOR PRID
name **SEGMENT** *segment* **TABLE**
tablename

Explanation: The program tried to compare the hash sums created by the IMS read phase with the hash sums created by the DB2 read phase and found that there are no hash sums available because there were no segments and rows retrieved for the identified PRID/segment/table combination.

Severity: Information.

System action: Processing continues.

Module: EKYC400X

EKYC434E //CCUSORTS DD STATEMENT MISSING

Explanation: The program was unable to open the //CCUSORTS output data set to write a SORT statement.

Severity: Error.

System action: Processing terminates with return code 8.

User response: Provide a DD statement with ddname //CCUSORTS, and resubmit the job.

Module: EKYC400X

EKYC435E I/O ERROR ON //CCUSORTS DATA SET

Explanation: An I/O error occurred when the program tried to write a record to the //CCUSORTS data set.

Severity: Error.

System action: Processing terminates with return code 8.

User response: Check any messages previously issued by IMS DPROF I/O services, correct the error, and resubmit the job.

Module: EKYC400X

EKYC495I HASH SUMS OF DL/I AND DB2 READ PHASES ARE EQUAL

Explanation: The CCU did not detect any data mismatches between the hash sum data sets created by the IMS and the DB2 read phases. You can assume that the IMS data is consistent with the related propagated DB2 data.

Severity: Information.

System action: Processing continues.

Module: EKYC400X

EKYC496I HASH SUMS OF DL/I AND DB2 READ PHASES ARE NOT EQUAL

Explanation: The CCU detected one or more mismatches in the hash sum data sets created by the IMS and the DB2 read phases. You can assume that the IMS data is not consistent with the related propagated DB2 data.

Severity: Information.

System action: Processing continues.

Programmer response: If applicable, submit the compare and error location phase to verify the data mismatch indications.

Module: EKYC400X

EKYC497I HASH SUM COMPARE PHASE ENDED NORMALLY

Explanation: The hash sum compare phase ended successfully. No error or warning messages were issued.

Severity: Information.

System action: Processing ended.

Module: EKYC400X

EKYC498I HASH SUM COMPARE PHASE ENDED WITH WARNINGS

Explanation: The hash sum compare phase ended normally, but one or more warning messages were issued. The output data sets for the remaining CCU steps, if any, were generated.

Severity: Information.

System action: Processing ended.

Module: EKYC400X

EKYC499I HASH SUM COMPARE PHASE ENDED WITH ERRORS

Explanation: One or more error messages were issued on the //CCUPRINT output data set, and a program return code higher than 4 was set.

Severity: Information.

System action: Processing continues.

Programmer response: Scan the //CCUPRINT output list for preceding error messages, refer to the corresponding message descriptions, correct the errors, and resubmit the job.

Module: EKYC400X

EKYC500I COMPARE PHASE STARTED

Explanation: The CCU compare phase started.

Severity: Information.

System action: Processing continues.

Module: EKYC500X

**EKYC501E //CCUPRINT DD STATEMENT MISSING
OR I/O ERROR ON //CCUPRINT DATA
SET**

Explanation: The program was unable to open the //CCUPRINT data set to write messages for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the //CCUPRINT data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure a DD statement with ddname //CCUPRINT was defined.

Check any messages previously issued by IMS DPROP I/O services. Correct the error, and resubmit the job.

Module: EKYC500X

**EKYC502E //CCUCDS DD STATEMENT MISSING
OR I/O ERROR ON //CCUCDS DATA
SET**

Explanation: The program was unable to open the //CCUCDS control data set to retrieve CCU internal information for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the //CCUCDS data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure a DD statement with ddname //CCUCDS was defined.

Check any messages previously issued by IMS DPROP I/O services. Correct the error, and resubmit the job.

Module: EKYC500X

**EKYC503E //CCUCDS CONTROL DATA SET
CONTAINS INVALID DATA**

Explanation: The program read the //CCUCDS input data set and found invalid information.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the //CCUCDS control data set is the same data set that was created by the CCU initialization phase. Correct the error, and resubmit the job.

Module: EKYC500X

**EKYC506E //CCUCDS DD STATEMENT MISSING
OR DATA SET IS EMPTY**

Explanation: The program was unable to open the //CCUCDS control data set to retrieve CCU internal information for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- The //CCUCDS data set is empty.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Ensure that:

- A DD statement with ddname //CCUCDS was defined.
- The CCU initialization phase ended successfully.
- The //CCUCDS control data set is the same data set that was created by the CCU initialization phase.

Correct the error, and resubmit the job.

Module: EKYC500X

**EKYC507E //SORTCNTL DD STATEMENT MISSING
OR I/O ERROR ON //SORTCNTL DATA
SET**

Explanation: The program was unable to open the //CCUSORTS input data set to retrieve CCU internal information for one of these reasons:

- The data set is empty.
- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the //SORTCNTL data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Ensure that:

- A DD statement with ddname //CCUSORTS was defined.
- The CCU hash sum compare phase ended successfully.
- The //CCUSORTS data set is the same data set that was created by the hash sum compare phase.

Correct the error, and resubmit the job.

If a HASHONLY or KEYONLY keyword was specified in the CHECK statement of the CCU initialization phase, no //CCUSORTS data set was created by the CCU hash sum compare phase. The compare phase cannot be run.

Module: EKYC500X

EKYC508E //SORTCNTL SORT CONTROL DATA SET CONTAINS INVALID DATA

Explanation: The program found invalid data in the //SORTCNTL data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Ensure that the //CCUSORTS data set is the same data set that was created by the hash sum compare phase. Correct the error, and resubmit the job.

Module: EKYC500X

EKYC509E //SORTCNTL DD STATEMENT MISSING OR DATA SET IS EMPTY

Explanation: The program was unable to open the //SORTCNTL input data set to retrieve CCU internal information. The data set is empty, the DD statement is missing, or the ddname is misspelled in an existing DD statement.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Ensure that:

- A DD statement with ddname //SORTCNTL was defined.
- The CCU hash sum compare phase ended successfully.
- The //SORTCNTL data set is the same data set that was created by the hash sum compare phase.

Correct the error, and resubmit the job.

If a HASHONLY or KEYONLY keyword was specified in the CHECK statement of the CCU initialization phase, no SORTCNTL data set was created by the CCU hash sum compare phase. The compare phase cannot be run.

Module: EKYC500X

EKYC510E //SORTCNTL SORT CONTROL DATA SET CONTAINS HASH SUM COMPARE RETURN CODE=returncode. COMPARE PHASE CANNOT CONTINUE

Explanation: The program read the data records from the //SORTCNTL data set and detected that the hash sum compare phase did not end with return code 0.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the //SORTCNTL data set is the same data set that was created by the hash sum compare phase. Correct the error, and resubmit the job.

Scan the output listing of the hash sum compare phase for error messages, correct these errors, rerun the hash sum compare phase and the CCU compare phase.

Module: EKYC500X

EKYC511E TIMESTAMP MISMATCH BETWEEN THE //CCUCDS CONTROL DATA SET CREATED DURING INITIALIZATION PHASE AND THE //SORTCNTL DATA SET CREATED DURING HASH SUM COMPARE PHASE

Explanation: When the //CCUCDS control data set is created, a "creation timestamp" is written to the data set and passed from one job step to the next. The program compared the timestamp from the //CCUCDS data set with the timestamp in the //SORTCNTL data set and found an inconsistency.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Ensure that:

- The //CCUCDS data set is the same data set that was created by the CCU initialization phase and used in the CCU read and hash sum compare phases.
- The //SORTCNTL data set is the same data set that was created by the CCU hash sum compare phase.

Correct the error, and resubmit the job.

Module: EKYC500X

EKYC512E //CCUSMTC DD STATEMENT MISSING

Explanation: The program was unable to open the //CCUSMTC data set to store data mismatch indication records. The DD statement is missing or the ddname is misspelled in an existing DD statement.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Provide a DD statement with ddname //CCUMSMTC, and resubmit the job.

Module: EKYC500X

EKYC513E I/O ERROR ON //CCUMSMTC DATA SET

Explanation: The program was unable to write data mismatch indication records to the //CCUMSMTC data set because an I/O error occurred.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Check any messages previously issued by IMS DPROP I/O services, correct the error, and resubmit the job.

Module: EKYC500X

EKYC514E //CCUSORTI DD STATEMENT MISSING OR I/O ERROR ON //CCUSORTI DATA SET

Explanation: The program was unable to open the //CCUSORTI data set to read data records for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the //CCUSORTI data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Ensure that:

- A DD statement with ddname //CCUSORTI was defined.
- The CCU hash sum compare phase ended successfully.
- The //CCUSORTI data sets are the same data sets that were created by the CCU read phases: //CCUHASH1 and //CCUHASH2.

Check any messages previously issued by IMS DPROP I/O services. Correct the errors, and resubmit the job.

Module: EKYC500X

EKYC515E //CCUSORTI DD STATEMENT MISSING OR DATA SET IS EMPTY

Explanation: The program was unable to read data records from the //CCUSORTI data sets. The data sets are empty, the DD statement is missing, or the ddname is misspelled in an existing DD statement.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that:

- A DD statement with ddname //CCUSORTI was defined.
- The CCU read phases ended successfully.
- The //CCUSORTI data sets are the same data sets that were created by the CCU read phases: //CCUHASH1 and //CCUHASH2.

Correct the error, and resubmit the job.

If a HASHONLY or KEYONLY keyword was specified in the CHECK statement of the CCU initialization phase, no CCUHASH1 or CCUHASH2 data sets are created by the CCU read phases. The compare phase cannot be run.

Module: EKYC500X

EKYC516E *type* CONTROL RECORD IN //CCUSORTI HASH DATA SET IS MISSING

Explanation: The program read the data records from the //CCUSORTI data sets and expected to retrieve CCU internal control records, but the *type* control record was not found.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the //CCUSORTI data sets are the same data sets that were created by the CCU read phase. Correct the error, and resubmit the job.

System programmer response: If the error occurs again, call IBM Software Support for assistance.

Module: EKYC500X

EKYC517E INVALID OR MISSING CONTROL RECORDS IN //CCUSORTI HASH DATA SETS

Explanation: The program read the data records from the //CCUSORTI data sets and expected to retrieve CCU internal control records, but these records were missing or invalid.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the //CCUSORTI data sets are the same data sets that were created by the IMS and DB2 read phases. Correct the error, and resubmit the job.

System programmer response: If the error occurs again, call IBM Software Support for assistance.

Module: EKYC500X

**EKYC518E TIMESTAMP MISMATCH BETWEEN
THE //CCUCDS CONTROL DATA SET
CREATED DURING INITIALIZATION
PHASE AND THE *ddname* DATA SET
CREATED DURING READ PHASE,
ALLOCATED THROUGH //CCUSORTI
DDNAME**

Explanation: When the //CCUCDS control data set is created, a "creation timestamp" is written to the data set and passed from one job step to the next. The timestamp from the //CCUCDS data set does not match the timestamp found in the *ddname* data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that:

- The //CCUCDS data set is the same data set that was created by the CCU initialization phase and used in the CCU read and hash sum compare phases.
- The data set identified by *ddname* is the same data set that was created by the CCU read phase.

Correct the error, and resubmit the job.

Module: EKYC500X

**EKYC519E INVALID HASH RECORDS FOUND IN
THE //CCUSORTI HASH DATA SETS**

Explanation: The program read the data records from the //CCUSORTI data sets and retrieved invalid data.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the //CCUSORTI data sets are the same data sets that were created by the CCU read phases. Correct the error, and resubmit the job.

Module: EKYC500X

**EKYC520E THE //CCUSORTI DATA SETS CONTAIN
MORE HASH RECORDS WITH THE
SAME SEGMENT/TABLE CODE THAN
THE //CCUSORTS DATA SET**

Explanation: The //CCUSORTI data sets have more hash records with the same segment/table code than the //CCUSORTS data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Ensure that:

- The //CCUSORTI data sets are the same data sets that were created by the CCU read phases: //CCUHASH1 and //CCUHASH2.
- The //CCUSORTS data set is the same data set that was created by the CCU hash sum compare phase.

Correct the error, and resubmit the job.

System programmer response: If the error occurs again, call IBM Software Support for assistance.

Module: EKYC500X

**EKYC521E MULTIPLE *type* CONTROL RECORDS
FOUND IN THE //CCUSORTI HASH
DATA SETS**

Explanation: The program read the data records from the //CCUSORTI data sets and found more than one control record for *type*.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Ensure that the //CCUSORTI data sets are the same data sets that were created by the CCU read phases: //CCUHASH1 and //CCUHASH2. Correct the error, and resubmit the job.

System programmer response: If the error occurs again, call IBM Software Support for assistance.

Module: EKYC500X

**EKYC580I *number* RECORDS FROM //CCUHASH1
AND //CCUHASH2 DATA SETS READ**

Explanation: The program retrieved *number* records from the //CCUSORTI data sets.

Severity: Information.

System action: Processing continues.

Module: EKYC500X

**EKYC581I *number* RECORDS FROM //CCUHASH1
AND //CCUHASH2 DATA SETS
DELETED**

Explanation: The program retrieved *number* records from the //CCUHASH1 and //CCUHASH2 data sets. Each record has a corresponding "paired" record. Paired records are not written to the //CCUMSMTC output data set.

Severity: Information.

System action: Processing continues.

Module: EKYC500X

**EKYC582I *number* MISMATCH INDICATION
RECORDS WRITTEN TO THE
//CCUMSMTC DATA SET**

Explanation: The program retrieved *number* records from the //CCUHASH1 and //CCUHASH2 data sets. Each of these records has no corresponding “paired” record. Unpaired records are written to the //CCUMSMTC output data set.

Severity: Information.

System action: Processing continues.

Module: EKYC500X

**EKYC583W NO RECORDS WRITTEN TO THE
//CCUMSMTC DATA SET**

Explanation: The program retrieved all records from the //CCUHASH1 and //CCUHASH2 data sets. All records from the //CCUHASH1 data set have a corresponding “paired” record in the //CCUHASH2 data set. Because all records are paired, no records were written to the //CCUMSMTC data set.

Severity: Warning.

System action: Processing continues.

Module: EKYC500X

EKYC597I COMPARE PHASE ENDED NORMALLY

Explanation: The compare phase ended successfully. No error or warning messages were issued.

Severity: Information.

System action: Processing ended.

Module: EKYC500X

**EKYC598I COMPARE PHASE ENDED WITH
WARNINGS**

Explanation: The compare phase ended normally, but one or more warning messages were issued. The output data set for the remaining CCU step was not generated.

Severity: Information.

System action: Processing ended.

Module: EKYC500X

**EKYC599I COMPARE PHASE ENDED WITH
ERRORS**

Explanation: One or more error messages were issued on the //CCUPRINT output data set, and a program return code higher than 4 was set.

Severity: Information.

System action: Processing continues.

Programmer response: Scan the //CCUPRINT output list for previous error messages, refer to the corresponding message descriptions, correct the errors, and resubmit the job.

Module: EKYC500X

EKYC600I ERROR LOCATION PHASE STARTED

Explanation: The error location phase started.

Severity: Information.

System action: Processing continues.

Module: EKYC600X

**EKYC601E //CCUPRINT DD STATEMENT MISSING
OR I/O ERROR ON //CCUPRINT DATA
SET**

Explanation: The program was unable to open the //CCUPRINT data set to write messages. The DD statement is missing, the ddname is misspelled in an existing DD statement, or an I/O error occurred on the //CCUPRINT data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Correct the error, and resubmit the job.

Module: EKYC600X

**EKYC602I ERROR LOCATION PHASE ENDED *at
end of data I after n errors warning
messages have been issued, rup reported
n mapping errors hup reported n mapping
errors***

Explanation: The error location phase ended normally. If mismatches were listed, and if applicable, the IMS and/or DB2 repair files are created.

With *AT END OF DATA*, the CCU processed all selected data. With *AFTER n ERRORS*, processing stops after the value of MAXERROR was reached. With this message, you could also receive *WARNING MESSAGES HAVE BEEN ISSUED* and/or *RUP REPORTED n MAPPING ERRORS* and/or *HUP REPORTED n MAPPING ERRORS*.

Severity: Information.

System action: Processing continues.

Programmer response: Scan the //CCUPRINT listing for reported data mismatches.

Scan the output listing for warning messages, determine their source, and, if necessary, eliminate the source causing the warning and resubmit the job.

If you received RUP mapping errors, then for n-times,

the CCU could not process the IMS segments identified in the RUP error messages found in the //CCUPRINT data set. If you received HUP mapping errors, then for n-times, the CCU could not process the DB2 rows identified in the HUP error messages found in the //CCUPRINT data set.

Module: EKYC600X

EKYC603I ERROR LOCATION PHASE ENDED WITH ERRORS

Explanation: One or more error messages were issued on the //CCUPRINT output data set, and a program return code higher than 4 was set.

Severity: Information.

System action: Processing continues.

Programmer response: Scan the //CCUPRINT output list for preceding error messages, refer to the corresponding message descriptions, correct the errors, and resubmit the job.

Module: EKYC600X

EKYC604E REQUESTED MODULE EKYC805X NOT FOUND

Explanation: The program tried to locate the named module in the program load library but it could not find it.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Compare the job steplib allocation or the linklist concatenation with the location of the requested module, correct the error and rerun the job.

Module: EKYC600X

EKYC610W //CCUMSMTC DD STATEMENT MISSING OR DATA SET IS EMPTY

Explanation: The program was unable to read the mismatch indication records from the //CCUMSMTC data set for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- The data set is empty.

Severity: Warning.

System action: Processing terminates with return code 4.

Programmer response: For a missing or misspelled ddname, correct the error and resubmit the job. The data set is empty if the preceding compare phase did not detect any data inconsistencies.

Module: EKYC610X

EKYC611E I/O ERROR ON THE //CCUMSMTC INPUT DATA SET

Explanation: The program was unable to open the //CCUMSMTC data set to read mismatch indication records for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the //CCUMSMTC data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure a DD statement with ddname //CCUMSMTC is defined.

Check for any other messages issued by IMS DPROP I/O services. Correct the error, and resubmit the job.

Module: EKYC610X

EKYC612E CONTROL RECORD IS MISSING IN //CCUMSMTC DATA SET

Explanation: The program expected to retrieve an internal control record from the //CCUMSMTC data set, but it was not available.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Compare whether or not the data set allocated by ddname //CCUMSMTC is the data set created by the compare phase, correct the error, and resubmit the job.

System programmer response: If the error occurs again, call IBM Software Support for assistance.

Module: EKYC610X

EKYC613E TIMESTAMP MISMATCH BETWEEN THE //CCUCDS CONTROL DATA SET CREATED DURING INITIALIZATION PHASE AND THE //CCUMSMTC DATA SET CREATED DURING READ PHASE

Explanation: When the //CCUCDS control data set is created, a "creation timestamp" is written to the data set and passed from one job step to the next. The program compared the timestamp from the //CCUCDS data set with the timestamp in the data set identified by //CCUMSMTC and found an inconsistency.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the data set

identified by //CCUMSMTC is the same data set created by the CCU read phase. Correct the error, and resubmit the job.

Module: EKYC610X

EKYC614I DATA MISMATCH STATISTICS:

Explanation: Following this message you get the number of data mismatches reported during this CCU run.

Severity: Information.

System action: Processing continues.

Module: EKYC610X

EKYC615I *number* DATA MISMATCHES BETWEEN DL/I AND DB2 DATA LISTED WITHIN THIS RUN

Explanation: This message gives you the total of data inconsistencies that were detected and reported during this CCU run.

Severity: Information.

System action: Processing continues.

Module: EKYC610X

EKYC616E WORKSPACE AREA EMPTY

Explanation: This is an IMS DPROP. internal error.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC610X

EKYC617I *number* MISMATCH INDICATION RECORDS READ FROM //CCUMSMTC DATA SET

Explanation: This message gives you the total number of mismatch indication records read from the data set identified by ddname //CCUMSMTC.

Severity: Information.

System action: Processing continues.

Programmer response: If *number* is the same as the number of mismatch indication records created by the compare phase (message EKYC302I or EKYC582I, respectively), then all selected data has been processed. If *number* is less than that from the compare phase, then the program stopped processing after the value of MAXERROR was reached, or after an error forced the program termination. In the latter case, scan the //CCUPRINT output list for preceding error

messages, refer to the corresponding message descriptions, correct the errors, and resubmit the job.

Module: EKYC610X

EKYC618I CCU DATA MISMATCH INDICATIONS CAN BE CAUSED BY SPECIFYING THE FORCE KEYWORD IN THE CHECK INPUT COMMAND

Explanation: The CCU indicated some data mismatches, but it doesn't know whether or not data mismatches are caused by the FORCE keyword you specified in the CHECK input command.

Severity: Information.

System action: Processing continues.

Programmer response: Refer to the *IMS Data Propagator Reference* for information about the Consistency Check Utility and interpreting CCU reports.

Module: EKYC610X

EKYC619I *number* MISMATCH INDICATION RECORDS SKIPPED

Explanation: The program verified the data mismatch indications on the IMS and DB2 data and found that *number* data mismatch indications are not actual data inconsistencies.

Severity: Information.

System action: Processing continues.

Module: EKYC610X

EKYC620I PROBABLE MISMATCH BETWEEN PROPAGATED IMS DATA AND DB2 TABLE *tablename*

Explanation: The key of a DB2 row that has a probable data inconsistency between DB2 data and the corresponding IMS segment(s) is listed following this message. The program was unable to relocate the IMS segment using the key of the DB2 row; there is probably a mismatch between the IMS and DB2 data. The program did not generate DL/I or DB2 repair statements.

Severity: Information.

System action: Processing continues.

Programmer response: You can use the listed DB2 key to verify whether or not a data inconsistency really exists. The key is displayed in both hexadecimal and EBCDIC.

Module: EKYC620X

EKYC621E RECORD CODE *code* RETRIEVED FROM THE DATA SET WITH DDNAME *//ddname* WAS NOT FOUND IN THE //CCUCDS CONTROL DATA SET, OR THE SEGMENT WITH THIS SEGMENT CODE WAS NOT TO BE CHECKED

Explanation: The program expected to find the identified *code*, retrieved from the *//ddname* data set, in the data set allocated by ddname *//CCUCDS*, but it could not find it.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure the data set identified by *//ddname* is the same as created by the IMS read phase, DB2 read phase or compare phase. Correct the error, and resubmit the job.

System programmer response: If the error occurs again, call IBM Software Support for assistance.

Module: EKYC620X

EKYC630W MAXIMUM ERROR LIMIT *number* REACHED. PROGRAM IS TERMINATED.

Explanation: The program stopped because it reached the number of errors it should report, but there may be more data mismatches.

Severity: Warning.

System action: Processing stops.

Programmer response: Specify a MAXERROR= keyword with a higher value.

If no MAXERROR= keyword was specified, then the CCU assumed a default value of 100. The maximum is 9999. Then resubmit the job starting with the initialization phase.

Module: EKYC630X

EKYC633E //CCUMSMTC DATA SET CONTAINS AN INVALID RECORD: *value*

Explanation: The program checked the control code of the printed record and found an unexpected code.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure the data set identified by *//CCUMSMTC* is the same as created by the compare phase. Correct the error, and resubmit the job.

System programmer response: If the error occurs again, call IBM Software Support for assistance.

Module: EKYC630X

EKYC634E INVALID KEY LENGTH FOR SEGMENT TYPE *name* RETRIEVED IN RECORD *value*, FROM THE *//ddname* DATA SET

Explanation: The program received a key length from the data set identified by *//ddname* that does not match the length defined in the control data set allocated by ddname *//CCUCDS*. This might be an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure the data set identified by *//ddname* is the same as created by the compare phase. Correct the error, and resubmit the job.

System programmer response: If the error occurs again, call IBM Software Support for assistance.

Module: EKYC630X

EKYC635E SEGMENT TYPE *name* WITH A DBPCB KEY FEEDBACK AREA LENGTH OF *value* BYTES RETRIEVED FROM THE *ims input*, WHICH IS NOT COMPATIBLE WITH A KEY LENGTH OF *value* BYTES DEFINED IN THE DPROP DIRECTORY. SEGMENT KEY:

Explanation: The program received a key length from either the IMS database or the HD unload file that does not match the length defined in the control data set allocated by ddname *//CCUCDS*. This might be an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Ensure that the DBD load module used in the error location phase is the same as the DBD load module used.

- When the control data set *//CCUCDS* was created, or
- When the PR(s) for the named segment type were created.

Correct the error, and resubmit the job.

System programmer response: If the error occurs again, call IBM Software Support for assistance.

Module: EKYC630X

EKYC636E RECORD SEGMENT CODE RETRIEVED FROM THE *//CCUDBOUT* DATASET DOES NOT MATCH THE CODE IN THE CONTROL DATA SET. RECORD NUMBER: *number*

Explanation: The program compared the internal segment code retrieved from the //CCUDBOUT data set with the code of the //CCUCDS data set and found a mismatch.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the //CCUCDS and //CCUDBOUT data set were created in the same CCU submission. Correct the error, and resubmit the job.

Module: EKYC630X

EKYC637E CONVERSION ERROR REPORTED ABOVE DOES NOT ALLOW THE CCU TO CONTINUE PROCESSING. FORCED PROGRAM TERMINATION

Explanation: The CCU requested that the RUP map an IMS segment, and the RUP returned a return code other 8 and a reason code other than 16.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Determine the source for the conversion error from the preceding RUP error messages, repair the data, and resubmit the CCU job.

Module: EKYC630X

EKYC638W CONVERSION ERROR REPORTED ABOVE DOES NOT ALLOW THE CCU TO PROCESS THE SEGMENT. MISMATCH RECORD IS SKIPPED — TRYING TO CONTINUE WITH THE NEXT RECORD

Explanation: The CCU requested that the RUP map an IMS segment, and the RUP returned a return code 8 and a reason code 16. The program cannot continue processing with the identified PRID and IMS segment, but attempts to continue processing the next mismatch indication record.

Severity: Warning.

System action: Processing continues and sets a return code of 4.

Programmer response: Determine the source for the conversion error from the preceding RUP error messages, repair the data, and resubmit the CCU job.

Module: EKYC630X

EKYC639E SEGMENT/PRID TABLE (CSP) OR CONTROL DATA SET (CDS) IS INVALID OR DOES NOT CONTAIN THE EXPECTED INFORMATION. PROGRAM INTERNAL ERROR AT POINT: *value*

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC630X

EKYC640W CONVERSION ERROR REPORTED ABOVE DOES NOT ALLOW THE CCU TO PROCESS THIS DB2 ROW. MISMATCH RECORD IS SKIPPED— TRYING TO CONTINUE WITH THE NEXT RECORD

Explanation: The CCU requested that the HUP map a DB2 row, and the HUP returned a return code other than 0, 4 or 6. The program cannot continue processing with the identified PRID and DB2 row, but attempts to continue processing the next mismatch indication record.

Severity: Warning.

System action: Processing continues and sets a return code of 4.

Programmer response: Determine the source for the conversion error from the preceding HUP error messages, repair the data, and resubmit the CCU job.

Module: EKYC630X

EKYC641E THE SSA PARAMETER LIST RETURNED BY HUP IS INVALID, SSA POINTERS ARE ALL ZEROS. FORCED PROGRAM TERMINATION

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC630X

EKYC642E RECORD WITH SEQUENCE NUMBER *number* RETRIEVED FROM THE //CCUMSMTC DATA SET IS LOWER THAN THE CURRENT POSITION IN THE //CCUDBOUT DATA SET

Explanation: The program retrieved a record from the //CCUMSMTC data set that points to data in the //CCUDBOUT data set that is already processed.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Check that you have sorted the //CCUMSMTC data set.

See the *IMS DataPropagator Reference* for information about JCL examples for error location.

Module: EKYC630X

EKYC643E //CCUDBOUT DD STATEMENT MISSING OR I/O ERROR ON //CCUDBOUT DATA SET

Explanation: The program was unable to open the //CCUDBOUT data set for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the //CCUDBOUT data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: This is a possible user error. Correct the error, and resubmit the job.

Module: EKYC630X

EKYC644E RECORD NUMBER *number* WAS EXPECTED BUT NOT FOUND IN THE //CCUDBOUT DATA SET

Explanation: The program received a record with *number* from the //CCUMSMTC data set and tried to locate the corresponding record in the //CCUDBOUT data set, but could not find it.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the //CCUMSMTC data set was created in the same CCU submission as the //CCUDBOUT data set, correct the error, and resubmit the job.

Module: EKYC630X

EKYC645E TIMESTAMP MISMATCH BETWEEN THE //CCUCDS CONTROL DATA SET CREATED DURING INITIALIZATION PHASE AND THE //CCUDBOUT DATA SET CREATED DURING IMS READ PHASE

Explanation: When the //CCUCDS control data set is created, a “creation timestamp” is written to the data set and passed from one job step to the next. The program compared the timestamp from the //CCUCDS data set with the timestamp in the data set identified by //CCUDBOUT and found an inconsistency.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the data set identified by //CCUDBOUT is the same data set created by the CCU read phase. Correct the error, and resubmit the job.

Module: EKYC630X

EKYC646W MULTIPLE OCCURRENCES OF MAPPING CASE 2 EXTENSION SEGMENT *segment* UNDER ENTITY SEGMENT *segment* RETRIEVED. KEY FEEDBACK AREA:

Explanation: The program retrieved multiple occurrences of a mapping case 2 segment under the identified entity segment. The CCU has no logic to handle multiple occurrences of a mapping case 2 extension segment type under the same physical parent segment. Generated repair statements, if any, must not be applied to the databases.

Severity: Warning.

System action: Processing continues and sets a return code of 4.

Programmer response: This is violation of IMS DPROP mapping rules.

Correct the error in the IMS database, and resubmit the job.

Module: EKYC630X

EKYC810E //CCUCDS DD STATEMENT MISSING OR I/O ERROR ON //CCUCDS DATA SET

Explanation: The program was unable to open the //CCUCDS data set for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the //CCUCDS data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: This is a possible user error. Correct the error, and resubmit the job.

Module: EKYC820X

**EKYC811E //CCUCDS DATA SET CONTAINS
INVALID DATA**

Explanation: The program read the //CCUCDS input data set and found invalid data.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the //CCUCDS control data set is the same data set that was created by the CCU initialization phase. Correct the error, and resubmit the job.

Module: EKYC820X

**EKYC812E //CCUCDS CONTROL DATA SET
CONTAINS INVALID DATA IN THE DATA
SET LENGTH FIELD**

Explanation: This is probably an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the //CCUCDS control data set is the same data set that was created by the CCU initialization phase. Correct the error, and resubmit the job.

System programmer response: If the error occurs again, call IBM Software Support for assistance.

Module: EKYC820X

**EKYC813E //CCUCDS CONTROL DATA SET IS
NOT COMPATIBLE WITH PROGRAM
name: CCU value1 TECHNIQUE WAS
SELECTED IN THE INITIALIZATION
PHASE, AND THE PROGRAM
EXPECTS CONTROL INFORMATION
FOR THE value2 TECHNIQUE**

Explanation: If the CCU read phase, hash sum compare phase, or compare phase of the hashing technique is running, then the //CCUCDS control data set contains current data for the CCU direct technique.

If the CCU read phase of the direct technique is running, then the //CCUCDS control data set contains current data for the CCU hashing technique.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Make sure that the //CCUCDS control data set is the data set created by the CCU's most recent initialization phase. Correct the error, and resubmit the job.

Module: EKYC820X

**EKYC814E //CCUCDS CONTROL DATA SET IS
NOT COMPATIBLE WITH PROGRAM
name. 'keyword' SELECTED IN THE
INITIALIZATION PHASE DOES NOT
ALLOW THE ERROR LOCATION
PHASE TO BE CONTINUED**

Explanation: READONLY or HASHONLY was specified in the CCU initialization phase. The data sets required for the CCU error location phase were not generated, or an incorrect //CCUCDS data set was allocated.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: The error location phase cannot run with HASHONLY or READONLY.

Make sure that the control data set identified by //CCUCDS is the data set created by the most recent initialization phase. Correct the error, and resubmit the job.

Module: EKYC820X

**EKYC815I CONTROL DATA SET
SPECIFICATIONS:
TIMESTAMP=timestamp, PROCESSING
options. DPROP SYSTEM NAME=name
TOKEN=token, PROPAGATION=value**

Explanation: The program read the //CCUCDS data set and printed some of its data for your information.

Severity: Information.

System action: Processing continues.

Programmer response: You can compare the printed timestamp with the timestamp created in the initialization phase (see message EKYC002I in the //CCUPRINT data set).

Module: EKYC820X

**EKYC816I THE FOLLOWING IMS FIELD AND DB2
COLUMN DEFINITIONS MIGHT CAUSE
DATA COMPARE PROBLEMS IN THE
CCU. FOR MORE INFORMATION, SEE
'NOTES' FOLLOWING THIS LIST.**

Explanation: Following this message you get a list of PRIDs, segments, and tables with some of their definitions, and a footnote explaining how the CCU will process the listed fields and columns.

Severity: Information.

System action: Processing continues.

Programmer response: Refer to the *IMS*

DataPropagator Reference for details on interpreting CCU reports.

Module: EKYC820X

EKYC817I DATA MISMATCH INDICATIONS BETWEEN DL/I AND DB2 DATA MIGHT NOT BE REAL DATA INCONSISTENCIES BECAUSE FLOATING POINT DATA CAN BE REPRESENTED IN DIFFERENT WAYS WITH THE SAME MEANING, OR BECAUSE OF VALUE ROUNDING DURING DPROB MAPPING

Explanation: This message is for information purposes only. It points out that data mismatch indications between DL/I and DB2 data might not be real data inconsistencies because floating point data can be represented in different ways with the same meaning or because of rounding of figures during the IMS DPROB mapping phase.

Severity: Information.

System action: Processing continues.

Module: EKYC820X

EKYC818I DATA MISMATCH INDICATIONS BETWEEN DL/I AND DB2 DATA MIGHT NOT BE REAL DATA INCONSISTENCIES BECAUSE A DB2 VIEW NAME WAS SPECIFIED TO BE USED FOR THE FOLLOWING TABLES

Explanation: A USE= keyword was specified on the //CCUIN input data set in the CCU initialization phase. The value of the USE= keyword names a DB2 view to be used for the DB2 read process. The program cannot determine whether the definitions for the view match the definition of the related table, and which rows will be retrieved.

Severity: Information.

System action: Processing continues.

Module: EKYC820X

EKYC819I DATA MISMATCH INDICATIONS BETWEEN DL/I AND DB2 DATA MIGHT NOT BE REAL DATA INCONSISTENCIES BECAUSE A SEGMENT USER EXIT IS DEFINED FOR THE FOLLOWING SEGMENTS

Explanation: The program cannot determine the results of the segment exit.

Severity: Information.

System action: Processing continues.

Module: EKYC820X

EKYC820I JOB WILL USE DB2 IMPLICIT TABLE QUALIFICATION FOR THE FOLLOWING DB2 TABLES BECAUSE THEY HAVE NO QUALIFIER IN THE DPROB DIRECTORY AND NO USE= OR QUALIFIER= KEYWORD WAS SPECIFIED

Explanation: The program received no DB2 application table qualifier from the IMS DPROB mapping tables for the identified tables. Because the DB2 read steps of the CCU use dynamic SQL statements, DB2 implicit table qualification is in effect.

Severity: Information.

System action: Processing continues.

Programmer response: Check the DB2 authorization identification under which the DB2 read steps run to be sure the CCU reads from the right DB2 application tables. Scan the DB2 catalog for DB2 table, view, synonym, or alias names addressing the unqualified table name.

You may create DB2 view definitions for the unqualified DB2 table names to ensure access to specific DB2 application tables, or pass the CCU a QUALIFIER= or one or more USE= keywords in the CHECK control statement.

Module: EKYC820X

EKYC821I DATA MAPPING PROBLEMS CAN ARISE BETWEEN IMS FIELDS AND DB2 COLUMNS WITH DIFFERENT SCALE FACTORS, IF THE FIELD AND/OR COLUMN BELONGS TO THE MAPPED DB2 PRIMARY KEY

Explanation: Comparing an IMS field with a DB2 column can cause problems if the scaling factor is different. For example, an IMS field is defined as DECIMAL(4,2) and the propagated DB2 column as DECIMAL(3,1). The IMS field can have the value '1,23'. The corresponding DB2 row has the value '1,2'.

The IMS field passed to the RUP is converted to '1,2'. This can lead to a data mismatch indication. This is because the IMS segment cannot be uniquely retrieved if it is really '1,23' because the HUP converts the DB2 key field to the IMS value '1,20'.

Severity: Information.

System action: Processing continues.

Module: EKYC820X

EKYC823W COMBINING THE CCU DIRECT TECHNIQUE WITH A DESCENDING ORDERING SEQUENCE OF DB2 PRIMARY KEY COLUMNS MIGHT LEAD TO GENERATED REPAIR FILES THAT SHOULD BE CAREFULLY ANALYZED BEFORE APPLYING THEM TO THE IMS AND/OR DB2 DATA

Explanation: Because the retrieve sequence of the IMS segments will likely not be the same as the sequence in which the DB2 rows can be retrieved, the CCU will probably create repair statements that are conflicting.

Severity: Warning.

System action: Processing continues and sets a return code of 4.

Programmer response: Carefully analyze all of the generated repair statements before you use them to repair your IMS and/or DB2 data.

Programmer response: Refer to the *IMS DataPropagator Reference* for details about interpreting CCU reports.

Module: EKYC820X

EKYC824W DATA MISMATCH INDICATIONS CAN BE CAUSED BY COMBINING THE DIRECT TECHNIQUE WITH THE KEY MAPPING OF A NUMERIC IMS FIELD TO A DB2 PRIMARY KEY COLUMN HAVING A NUMERIC DATATYPE, IF THE VALUES OF THESE FIELDS/COLUMNS CAN CONTAIN BOTH POSITIVE AND NEGATIVE NUMBERS

Explanation: See explanation in message EKYC823W.

Severity: Warning.

System action: Processing continues and sets a return code of 4.

Programmer response: Refer to the *IMS DataPropagator Reference* for details about interpreting CCU reports.

Module: EKYC820X

EKYC825I THE FOLLOWING SQL STATEMENT CAUSED ABOVE MESSAGE:

Explanation: The program shows the SQL statement that was used when the error described in the previous message occurred.

Severity: Information.

System action: Processing continues.

Module: EKYC825X

EKYC826E BAD SQLCODE RECEIVED AFTER A *function* CURSOR OPERATION FOR PRID *name*

Explanation: The program received an unexpected SQL code for a *function* cursor operation and terminates processing.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Following this message the translated content of the SQLCA is shown. Refer to the appropriate message descriptions in *DB2 Messages and Codes*, correct the error, and resubmit the job.

Module: EKYC825X

EKYC827E TIMESTAMP MISMATCH BETWEEN THE //CCUCDS CONTROL DATA SET CREATED DURING THE CCU INITIALIZATION PHASE AND DPROP DIRECTORY TABLE DPRPR. TIMESTAMP *timestamp* FOR PRID *name* IN //CCUCDS DATA SET IS INVALID

Explanation: The program compared the identified timestamp in the IMS DPROP directory with the timestamp in the //CCUCDS control data set and found different values.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Each time a PR is changed in the IMS DPROP directory, a new timestamp is set. Rerun the CCU initialization phase to create a new control data set including the new definitions for the changed PR.

Module: EKYC825X

EKYC828I THE DPROP DIRECTORY INDICATES ERROPT (PROPAGATION FAILURE)=IGNORE OR A STATUS OTHER THAN 'ACTIVE' FOR THE FOLLOWING PRIDS:

Explanation: When the program accessed the IMS DPROP directory tables to receive information, it found either ERROPT=IGNORE or a PR status of INACTIVE or SUSPENDED, or both.

Severity: Information.

System action: Processing continues.

Programmer response: The ERROPT flag and/or the value of STATUS might indicate the reason for eventual data mismatch detections.

Module: EKYC825X

**EKYC829E UNEXPECTED DPRNAME/TOKEN IN
DPROP DIRECTORY. READ:
DPRNAME=*name* DPRTOKEN=*token*,
EXPECTED: DPRNAME=*name*
DPRTOKEN=*token***

Explanation: The program expected to find the IMS DPROP system name and IMS DPROP system token as shown in 'EXPECTED', but the IMS DPROP DPMMASTER table contains a value as in 'READ'.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Check that the DB2 plan you used provides access to the IMS DPROP directory tables of the correct IMS DPROP system.

Module: EKYC825X

**EKYC830E INVALID DL/I PCB ADDRESSES
PASSED TO THE PROGRAM**

Explanation: The program retrieved an unusable parameter list in register 1. The program expected to receive at least two addresses. The first address should point to an IMS I/O PCB used for a DL/I INQY call. The second address should point to an IMS DB PCB used to retrieve the IMS segments from the database.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: An IMS PSB not generated by the CCU might have been passed to the program. Ensure that the IMS read phase is passed a PSB generated by the CCU.

If you do not want to use the generated PSB, you can create your own PSB and pass it to the CCU. For more information about creating your own PSB, refer to the *IMS DataPropagator Reference*.

Module: EKYC830X

**EKYC831W MORE THAN TWO PARAMETERS
RECEIVED FROM DFSRRC00: —
USING 1ST ADDRESS AS I/O PCB AND
2ND ADDRESS AS DBPCB, —
IGNORING ALL OTHERS**

Explanation: The program analyzed the parameter list passed from program DFSRRC00 and detected more parameters than required. The program continues processing and assumes that the first parameter address points to the IMS I/O PCB and the second parameter address points to the IMS DB PCB. All other parameters are ignored.

Severity: Warning.

System action: Processing continues.

Programmer response: An IMS PSB not generated by the CCU might have been passed to the program. Ensure that the IMS read phase is passed a PSB generated by the CCU.

If you do not want to use the generated PSB, you can create your own PSB and pass it to the CCU. For more information about creating your own PSB, refer to the *IMS DataPropagator Reference*.

Module: EKYC830X

**EKYC832E RETURN CODE=*returncode* WAS
RETURNED AFTER AN AIB INQY CALL
USING SUBFUNCTION *function***

Explanation: The program tried to issue a DL/I inquiry call, and a DL/I status code other than "blank" was returned.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: If the program was running in a BMP region, then a required ACBGEN either was not submitted or failed.

If the PSB was not the one generated by the CCU initialization phase, look at the PSBGEN output list and check the following PSB requirements:

- The PSB must be built of one IMS DB PCB including all required SENSEGs for the specified CHECK control statement in the //CCUIN data set.
- The PSB must include CMPAT=YES in the PSBGEN statement.

For more information creating your own PSB, refer to the *IMS DataPropagator Reference*. Correct the error, and resubmit the job.

Module: EKYC830X

**EKYC833I NAME OF CCU GENERATED PSB IS
name1, ACTUALLY USING A PSB WITH
NAME *name2***

Explanation: The CCU read phase detected that the current PSB does not have the name that was specified during the CCU initialization phase in the PSBNAME= keyword of the CHECK statement.

Severity: Information.

System action: Processing continues.

Programmer response: If you do not want to use the generated PSB, you can create your own PSB and pass it to the CCU. For more information about creating your own PSB, refer to the *IMS DataPropagator Reference*.

Module: EKYC830X

EKYC834E UNABLE TO LOAD PROGRAM *name*

Explanation: The program tried to locate the named module in the program load library but it could not find it.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Compare the job steplib allocation or the linklist concatenation with the location of the requested module, correct the error, and rerun the job.

Module: EKYC830X

EKYC835E SEGMENT *segment* **IN CSP CONTROL BLOCK MISSES ITS ENTRY IN THE CDS CONTROL BLOCK**

Explanation: This is probably an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC830X

EKYC836E MISSING EITHER DL/I PARAMETER LIST FROM DFSRRC00 OR *//ddname* **DD STATEMENT**

Explanation: The program processed an asynchronous IMS DPROP system and expected to receive either a parameter list pointing to a PCB list, or the data set allocated by *//ddname*, but both were not available.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: If you wanted to submit the step with the IMS database as input, use the IMS batch or BMP region procedure and specify the name of the PSB load module created by the CCU initialization phase.

If you wanted to process the data from the HD unload file (IMS read phase) specify the *//CCUDBIN* DD statement and the name of the HD unload file, or (all other phases) the *//CCUDBOUT* DD statement and the name of the *//CCUDBOUT* data set created by the IMS read phase. Correct the error, and resubmit the job.

Module: EKYC830X

EKYC837I RETRIEVING IMS DATA FROM INPUT DATA SET DDNAME *//ddname*, **DSN=***name*

Explanation: The program gives you the name of the data set to be used as a replacement for the IMS database.

Severity: Information.

System action: Processing continues.

Module: EKYC830X

EKYC838E BOTH A DL/I PCB PARAMETER LIST AND A *//ddname* **DD STATEMENT ARE AVAILABLE**

Explanation: The program processed an asynchronous IMS DPROP system and expected to receive either a parameter list pointing to a PCB list, or the data set allocated by *//ddname*, but both were available.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: If you wanted to submit the step with the IMS database as input, use the IMS batch or BMP region procedure and specify the name of the PSB load module created by the CCU initialization phase. In this case, remove the *//ddname* DD statement from your JCL.

If you wanted to process the data from the HD unload file (IMS read phase) specify the *//CCUDBIN* DD statement and the name of the HD unload file, or (all other phases) the *//CCUDBOUT* DD statement and the name of the *//CCUDBOUT* data set created by the IMS read phase. In this case, use a TSO-TMP procedure to run the program rather than the IMS batch or BMP region procedure. Correct the error, and resubmit the job.

Module: EKYC830X

EKYC839E THE READ AND COMPARE PHASE OF THE DIRECT TECHNIQUE DOES NOT ACCEPT AN HD UNLOAD FILE AS INPUT. REMOVE *//CCUDBIN* **DD STATEMENT**

Explanation: The processing of an HD unload file is not supported by the CCU direct technique.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: If you want to process an asynchronous IMS DPROP system, remove the DIRECT (and associated) keywords from the CHECK input command and resubmit the initialization phase.

If you want to submit the CCU DIRECT technique, replace the //CCUDBIN DD statement with the DD statement required to allocate the IMS database (if not using IMS database dynamic allocation). If dynamic IMS database allocation is in effect, remove the //CCUDBIN DD statement from your JCL. Correct the error, and resubmit the job.

Module: EKYC830X

EKYC840E PROGRAM ERROR: REQUEST TO OPEN *number* CURSORS

Explanation: The program tried to open *number* cursors; 256 cursors is the limit.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Specify a CHECK input statement that results in less than 257 PRIDs, and resubmit the initialization phase.

Module: EKYC840X

EKYC841E SQL DESCRIBE OF A DYNAMIC VARYING — LIST SELECT STATEMENT RETURNED NO VALID COLUMNS FOR PRID *name*

Explanation: The program was unable to describe a dynamic varying-list SQL SELECT statement. DB2 returned no valid columns.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Refer to message EKYC855I for more information. Determine the reason for the error, correct it, and resubmit the job.

Module: EKYC840X

EKYC842E UNSUPPORTED SQLTYPE *type* FOR COLUMN *name1* OF TABLE *name2* IN SQL 'PREPARE' STATEMENT

Explanation: The column of the identified table contains an SQL type value not supported by the program.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Exclude the identified DB2 table in the CCU initialization phase from the CHECK statement, and resubmit the job beginning with the initialization phase.

Module: EKYC840X

EKYC843E SQL 'DESCRIBE' STATEMENT RETURNED NO VALID COLUMNS FOR TABLE *name*

Explanation: The program was unable to describe a dynamic varying-list SQL SELECT statement. DB2 returned no valid columns.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Refer to message EKYC855I.

Determine the reason for the error, correct it, and resubmit the job.

You may exclude the identified DB2 table in the CCU initialization phase from the CHECK statement in the //CCUIN data set, and resubmit the job beginning with the initialization phase.

Module: EKYC840X

EKYC847E SQL 'DESCRIBE' FOR TABLE *tablename* DID NOT RETURN COLUMN *column*

Explanation: The program tried to describe the named table with the SQL statement created by the CCU initialization phase, but DB2 did not return the named column. Either the DB2 table definition has changed and the PR has not yet been recreated, or the control data set //CCUCDS contains old data.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Resubmit the CCU initialization phase.

If the problem reoccurs, compare the table and column definitions of the PR in the IMS DPROP directory with the definitions in the DB2 catalog (if you were using a USE= keyword for the named table, also compare the definitions of the DB2 view with those of the DB2 table). If required, recreate the PR. Correct the error, and resubmit the job.

Module: EKYC845X

EKYC848E DEFINITIONS FOR TABLE *tablename* COLUMN *column* IN THE DPROP DIRECTORY DO NOT MATCH DATATYPE OR 'NULLS' DEFINITIONS IN THE DB2 CATALOG

Explanation: The program compared the DB2 column definitions returned by the SQL DESCRIBE operation with those stored in the //CCUCDS data set and found an inconsistency.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Resubmit the CCU initialization phase.

If the problem reoccurs, compare the table and column definitions of the PR in the IMS DPROP directory with the definitions in the DB2 catalog. If required, recreate the PR. Correct the error, and resubmit the job.

Module: EKYC845X

EKYC849E DEFINITIONS FOR TABLE *tablename* COLUMN *column* IN THE DPROP DIRECTORY DO NOT MATCH LENGTH OR SCALE DEFINITIONS IN THE DB2 CATALOG

Explanation: The program compared the DB2 column definitions returned by the SQL DESCRIBE operation with those stored in the //CCUCDS data set and found an inconsistency.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Resubmit the CCU initialization phase.

If the problem reoccurs, compare the table and column definitions of the PR in the IMS DPROP directory with the definitions in the DB2 catalog. If required, recreate the PR. Correct the error, and resubmit the job.

Module: EKYC845X

EKYC850E NONZERO SQLCODE *value* DB2 CURSOR FOR A DYNAMIC SELECT STATEMENT ON TABLE *tablename* FOR PRID *name*

Explanation: The program tried to prepare, open, fetch, or close a DB2 cursor for the named DB2 table, and DB2 returned an unexpected SQLCODE.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Following this message, the translated content of the SQLCA is shown. Refer to the appropriate message descriptions in *DB2 Messages and Codes*, correct the error, and resubmit the job.

Module: EKYC850X

EKYC851E INVALID FUNCTION CODE *value* PASSED TO EKYC850X

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC850X

EKYC855I THE FOLLOWING GENERATED SQL STATEMENT CAUSED ABOVE MESSAGE:

Explanation: An error occurred in the DB2 part of the program. The SQL statement used in the operation causing the error is displayed following this message.

Severity: Information.

System action: Processing continues.

Module: EKYC855X

EKYC858W MULTIPLE OCCURRENCES OF MAPPING CASE 2 EXTENSION SEGMENT *segment* UNDER ENTITY SEGMENT *segment* RETRIEVED. KEY FEEDBACK AREA:

Explanation: The program retrieved multiple occurrences of a mapping case 2 segment under the identified entity segment. The CCU has no logic to handle multiple occurrences of a mapping case 2 extension segment type under the same physical parent segment.

Severity: Warning.

System action: Processing continues and sets a return code of 4.

Programmer response: This is a violation of IMS DPROP mapping rules.

Correct the error in the IMS database, and resubmit the job.

Module: EKYC860X

EKYC859E //CCUDBOUT DD STATEMENT MISSING OR I/O ERROR ON //CCUDBOUT DATA SET

Explanation: The program was unable to open the //CCUDBOUT data set for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the //CCUDBOUT data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: This is a possible user error. Correct the error, and resubmit the job.

Module: EKYC860X

EKYC860E **SEGMENT/PRID TABLE (CSP) OR CONTROL DATA SET (CDS) IS INVALID OR DOES NOT CONTAIN THE REQUIRED INFORMATION. SEARCH ARGUMENT=***argument*

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC860X

EKYC861E **SEGMENT TYPE** *name* **WITH A DBPCB KEY FEEDBACK AREA LENGTH OF** *value* **BYTES RETRIEVED FROM THE** *ims input*, **WHICH IS NOT COMPATIBLE WITH A KEY LENGTH OF** *value* **BYTES DEFINED IN THE DPROP DIRECTORY. SEGMENT KEY:**

Explanation: The program compared the length of the DBPCB key feedback area for the named segment with the length retrieved from the IMS DPROP directory, and found a mismatch. The segment key is printed following the message.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Presumably, the segment definition in the DBD load module has changed, but the PR in the IMS DPROP directory has not yet been recreated. Check

- Whether or not the DBD load module has changed
- If the PR was created after the last DBD change occurred
- If the definitions in the IMS DPROP directory (DPRSEG and DPRFLD tables) correspond to the definitions in the DBD load module
- Whether or not the //CCUCDS data set in the current phase is the one created by the initialization phase.

Correct the error, and resubmit the job.

Module: EKYC860X

EKYC862W **MAXIMUM ERROR LIMIT** *number* **REACHED. FORCED PROGRAM TERMINATION.**

Explanation: The CCU processed the IMS database and the related DB2 tables and wrote mismatch indications either to the //CCUPRINT output data set if a READONLY keyword was specified, or to the

//CCUMSMTC output data set if no READONLY keyword was specified.

The program stopped because it reached the number of errors it should report, but there may be more data mismatches.

Severity: Warning.

System action: Processing stops.

Programmer response: You can resubmit the job and specify a MAXERROR= keyword with a higher value. If no MAXERROR= keyword was specified, then the CCU assumed a default value of 100 (the maximum is 9999).

Module: EKYC860X

EKYC863E **INVALID SEGMENT DATA LENGTH ON** *number*. **RECORD READ FROM //CCUDBIN DATASET**

Explanation: The program retrieved a segment from the HD unload file and compared its length with the value stored in the control data set. The length is either invalid for this segment type, zero, or more than the DBD's longest segment.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Check whether the DBD used to create the HD unload file is the same DBD used to create the PR. Check that the //CCUCDS data set allocated to the current step is the one created by the initialization phase. Correct the error, and resubmit the job.

Module: EKYC860X

EKYC864E **//CCUMSMTC DD STATEMENT MISSING OR I/O ERROR ON THE //CCUMSMTC DATA SET**

Explanation: The program was unable to open the //CCUMSMTC data set for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the //CCUMSMTC data set.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: This is a possible user error. Correct the error, and resubmit the job.

Module: EKYC860X

**EKYC865W MAXIMUM ERROR LIMIT *number*
REACHED. PROGRAM IS
TERMINATED.**

Explanation: The CCU processed the IMS database and the related DB2 tables and wrote mismatch indications either to the //CCUPRINT output data set if a READONLY keyword was specified, or to the //CCUMSMTC output data set if no READONLY keyword was specified.

The program stopped because it reached the number of errors it should report, but there may be more data mismatches.

Severity: Processing stops and sets a return code of 4.

System action: Processing stops.

Programmer response: You can resubmit the job and specify a MAXERROR= keyword with a higher value. If no MAXERROR= keyword was specified, then the CCU assumed a default value of 100 (the maximum is 9999).

Module: EKYC860X

**EKYC866W CONVERSION ERROR REPORTED
ABOVE DOES NOT ALLOW THE CCU
TO PROCESS THE SEGMENT.
SEGMENT IS SKIPPED — TRYING TO
CONTINUE WITH THE NEXT SEGMENT**

Explanation: A preceding conversion error does not allow the program to continue processing the segment. The segment is not processed.

Severity: Processing continues and sets a return code of 4.

System action: Processing continues.

Module: EKYC860X

**EKYC867E CONVERSION ERROR REPORTED
ABOVE DOES NOT ALLOW THE CCU
TO CONTINUE PROCESSING. FORCED
PROGRAM TERMINATION**

Explanation: The CCU requested that the RUP convert an IMS segment, and the RUP returned a return code other than 8 and a reason code other than 16.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Determine the source for the conversion error from the preceding RUP error messages, repair the data, and resubmit the CCU job.

Module: EKYC860X

**EKYC868I STATISTICS FOR RETRIEVED DL/I
SEGMENTS *ims input*:**

Explanation: A statistics list with the number of retrieved segments and/or DB2 rows follows this message.

Severity: Information.

System action: Processing continues.

Module: EKYC865X

**EKYC869I STATISTICS FOR RETRIEVED DL/I
SEGMENTS *ims input* AT TIME OF
ERROR:**

Explanation: A statistics list with the number of retrieved segments and/or DB2 rows when an error occurred follows this message.

Severity: Information.

System action: Processing continues.

Module: EKYC865X

**EKYC870E UNEXPECTED DL/I STATUS CODE *code*
RECEIVED AFTER A *dlifunc* CALL TO A
SEGMENT TYPE *name* OF DBD *name*,
PCB KEY FEEDBACK AREA AT TIME
OF ERROR:**

Explanation: The program issued a DL/I call, which returned a status code that was not blank, GA, GK or GB. If available, the DB PCB key feedback area is shown, following this message.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Refer to *IMS/ESA Messages and Codes* to correct the error, and resubmit the job.

Module: EKYC870X

**EKYC871E I/O ERROR ON //CCUDBIN DATA SET,
OR DATA SET CONTAINS INVALID
DATA**

Explanation: The program was unable to process the //CCUDBIN data set for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the //CCUDBIN data set.
- The data set does not contain valid data created by the HD unload program DFSURGU0.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: This is a possible user error.

Correct the error, and resubmit the job.

Module: EKYC872X

**EKYC872E //CCUDBIN DATA SET DOES NOT
CONTAIN THE EXPECTED DFSUSTAT
CONTROL RECORD**

Explanation: The program read the first record of the data set allocated to ddname //CCUDBIN and expected to retrieve the HD unload file statistic record, but it was not there, or it was invalid.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Make sure that the data set allocated by ddname //CCUDBIN is the HD unload file created by the HD unload program DFSURGU0, and that the HD unload file is created for the IMS database you want to check; correct the error, and resubmit the job.

Module: EKYC872X

**EKYC873E CCU CONTROL BLOCKS CONTAIN NO
MATCHING ENTRY FOR THE *number*.
RECORD READ FROM //CCUDBIN.
RECORD HEADER: *value***

Explanation: The program received a record from the HD unload file identified by ddname //CCUDBIN and searched the retrieved IMS segment name in CCU internal control blocks, but the segment name was not found. Following this message, a maximum of 124 bytes of the record are printed.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Check whether or not the DBD used to create the HD unload file is the same DBD as used in the CCU initialization phase. Correct the error, and resubmit the job. If the error reoccurs, call IBM Software Support for assistance.

Module: EKYC872X

**EKYC874E CCUCDS CONTROL DATA SET DOES
NOT CONTAIN A VALID ENTRY FOR
SEGMENT TYPE *name*,
PROGRAMMING ERROR**

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC872X

**EKYC875I STATISTICS FOR RETRIEVED ROWS
FROM DB2 TABLES:**

Explanation: A statistics list with the number of retrieved DB2 rows per table follows this message.

Severity: Information.

System action: Processing continues.

Module: EKYC885X

**EKYC876I STATISTICS FOR RETRIEVED ROWS
FROM DB2 TABLES AT TIME OF
ERROR:**

Explanation: A statistics list with the number of retrieved DB2 rows per table when an error occurred follows this message.

Severity: Information.

System action: Processing continues.

Module: EKYC885X

**EKYC880I THE FOLLOWING DB2 TABLES HAVE
NOT BEEN FULLY PROCESSED**

Explanation: After an error occurred, the program initiated program termination, and it found that the DB2 tables, following this message, have not fully been processed.

Severity: Information.

System action: Processing continues.

Module: EKYC880X

**EKYC905E *control block* IS INVALID. PROGRAM
ABENDS WITH DUMP FOR: DBD *name*
SEGMENT *segment* PRID *name* ROLE
value MAPPING CASE *value*.
CDSSEGM: *value* CDSFIELD: *value*
RSUDSECT: *value* register— (RFL)**

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with dump.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC905X

**EKYC906W SEGMENT *segment* WITH
ROLE=EXTENSION IN PRID *name*
CANNOT BE PROCESSED BECAUSE
RUP REPORTED A CONVERSION
ERROR FOR ITS ENTITY SEGMENT.
SEGMENT SKIPPED**

Explanation: The identified segment type cannot be processed, because its mapping case 2 entity segment was skipped during processing.

Severity: Warning.

System action: Processing continues but sets a return code of 4.

Module: EKYC905X

EKYC910E COLUMN NAME *column* IN PRID *name* WAS FOUND IN THE CONTROL DATA SET BUT NOT IN THE SQLDA.
PROGRAM ERROR

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC910X

EKYC915E FUNCTION CODE '*code*' IS NOT SUPPORTED BY PROGRAM EKYC915X

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC915X

EKYC916E RC=*retcode*/*reason*, RPL FEEDBACK WORD=*value* WAS RETURNED AFTER A VSAM "*function* RPL" INSTRUCTION FOR *//ddname* DATA SET, ACCESSING RECORD WITH SEQUENCE NUMBER *number*. *vsam error message*

Explanation: The program was unable to process the identified record from the *//ddname* data set because an error occurred.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: For information on the terminated VSAM RPL instruction, see the *OS/390 MVS Application Development Macro Reference*. Correct the error, and resubmit the job.

Module: EKYC915X

EKYC917E RC=*retcode*/*reason*, RPL FEEDBACK WORD=*value* WAS RETURNED AFTER A VSAM "*function* RPL" INSTRUCTION (NO MORE SPACE, INSUFFICIENT VIRTUAL STORAGE) FOR *//ddname* DATA SET, ACCESSING RECORD *RECKEY*. *vsam error message*

Explanation: The program tried to perform the identified function, and an unacceptable return code was returned.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Refer to the message displayed in the JES job log, correct the error, and resubmit the job.

Module: EKYC915X

EKYC918E OPEN ERROR FOR DDNAME *//ddname*, ERROR CODE IS *code*

Explanation: The program was unable to open the *//ddname* data set for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the data set.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: This is a possible user error. Correct the error, and resubmit the job.

Module: EKYC915X

EKYC920E RECORD LENGTH OF *//ddname* IS NOT COMPATIBLE WITH PROGRAM EKYC920X. PROGRAM ERROR

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC920X

EKYC930E REMODELED DATA PREFIX HAS MORE FIELD LENGTH ENTRIES THAN AVAILABLE CONTROL DATA SET FIELD ENTRIES

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC930X

EKYC931I REPAIR FILE GENERATION HAS TEMPORARILY BEEN SUSPENDED FOR PRID *name* UNTIL THE DL/I SEGMENT KEY AND THE CORRESPONDING PROPAGATED DB2 ROW KEY MATCH AGAIN. A NONZERO RETURN/REASON CODE WAS RETURNED FROM RUP

Explanation: The generation of the repair statements is suspended because the RUP detected a data conversion error in the IMS segment whose key is listed in the message preceding this message.

Severity: Information.

System action: Processing continues.

Module: EKYC930X

EKYC932I REPAIR FILE GENERATION HAS BEEN REACTIVATED FOR PRID *name*, AFTER DETECTING THAT THE DL/I SEGMENT KEY AND THE CORRESPONDING DB2 ROW KEY MATCH AGAIN

Explanation: Repair statement generation is reactivated after synchronization is repeated for the keys from the IMS segment and the DB2 row for this PR ID.

Severity: Information.

System action: Processing continues.

Module: EKYC930X

EKYC933E SEGMENT/PRID TABLE (CSP) OR CONTROL DATA SET (CDS) IS INVALID OR DOES NOT CONTAIN THE REQUIRED INFORMATION. SEARCH ARGUMENT=*argument*

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC930X

EKYC935I MISMATCH BETWEEN PROPAGATED IMS DATA AND DB2 TABLE *tablename*

Explanation: The program detected a data mismatch for the identified DB2 table.

Severity: Information.

System action: Processing continues.

Module: EKYC935X

EKYC936I DL/I REPAIR STATEMENT SUPPRESSED FOR MAPPING CASE 3 INTERNAL SEGMENT OF PR *name*, BECAUSE ITS (CONTAINING) IMS SEGMENT COULD NOT BE LOCATED IN THE IMS DATABASE

Explanation: The program tried to create a DL/I repair statement for the listed data mismatch, but the mapping case 3 containing segment was not available in the database.

Severity: Information.

System action: Processing continues.

Programmer response: You should create the repairing DL/I call on your own.

It must include an insert of the IMS containing segment (or you can use the created DB2 repair statement, which is available in the DB2 repair file).

Module: EKYC935X

EKYC950E CDS CONTROL BLOCK ADDRESS MISSING

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC950X

EKYC951E SEGMENT ADDRESS MISSING

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC950X

**EKYC952E INVALID REPAIR CODE FOR DB2
TABLE UPDATE PASSED ON CRC
CONTROL BLOCK**

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC950X

**EKYC953E INVALID REPAIR CODE FOR DL/I
UPDATE PASSED ON CRC CONTROL
BLOCK**

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC950X

EKYC954E //ddname DD STATEMENT MISSING

Explanation: The program was unable to open the //ddname data set for one of these reasons:

- The DD statement is missing.
- The ddname is misspelled in an existing DD statement.
- An I/O error occurred on the data set.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: This is a possible user error. Correct the error, and resubmit the job.

Module: EKYC950X

EKYC955E I/O ERROR ON //ddname DATA SET

Explanation: The program tried to write a record to the //ddname data set, and an unexpected return code was received.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Scan the //CCUPRINT output listing and the JES job log for IMS DPROP service function or system messages, refer to the appropriate message descriptions, correct the error, and resubmit the job.

Module: EKYC950X

**EKYC956W FLOATING POINT CONVERSION
ERROR ON COLUMN NAME *column*;
'ZERO' VALUE DEFINED ON REPAIR
STATEMENT**

Explanation: A floating point conversion error occurred for the named DB2 column. Instead of the real data value, the program set a value of zero.

Severity: Warning.

System action: Processing continues.

Programmer response: You need to update the generated DB2 repair statement so that the zero value in this DB2 column is replaced by the real data value.

Module: EKYC950X

**EKYC957E UNSUPPORTED SQLTYPE *type* FOR
COLUMN *column* OF TABLE *tablename***

Explanation: The column of the identified table contains an SQLTYPE value not supported by the program.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Exclude the identified DB2 table in the CCU initialization phase from the CHECK statement, and resubmit the job beginning with the initialization phase.

Module: EKYC950X

**EKYC958E INVALID DB2 COLUMN SEQUENCE
NUMBER FOR COLUMN *column* OF
TABLE *tablename***

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC950X

**EKYC960W RETURN CODE RECEIVED FROM THE
HUP DOES NOT ALLOW THE CCU TO
PROCESS THE CURRENT DB2 ROW;
DB2 ROW IS SKIPPED — TRYING TO
CONTINUE WITH THE NEXT ROW**

Explanation: The CCU requested that the HUP map a DB2 row, and the HUP returned a return code that does not allow the CCU to process the row. The program cannot continue processing with the identified PRID and

DB2 row, but attempts to continue processing the next mismatch indication record.

Severity: Warning.

System action: Processing continues and sets a return code of 4.

Programmer response: Determine the source for the conversion error from the preceding HUP error messages, repair the data, and resubmit the CCU job.

Module: EKYC955X

EKYC961E THE SSA PARMLIST RETURNED BY THE HUP IS INVALID (INTERNAL ERROR)

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC955X

EKYC962E EITHER THE LENGTH OF THE KEY AREA, OR ONE OR MORE SSA ADDRESSES, IS INVALID

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC955X

EKYC963E ERROR WHILE WRITING A RECORD ON //CCUIERR DATASET, RETURN CODE OF EKYPUT=*returncode*

Explanation: The program tried to write a record to the //CCUIERR data set, and an unexpected return code was received.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Scan the //CCUPRINT output listing and the JES job log for IMS DPROP service function or system messages, refer to the appropriate message descriptions, correct the error, and resubmit the job.

Module: EKYC955X

EKYC964E INVALID SEGMENT LENGTH RETURNED BY THE HUP; LENGTH=*value*

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC955X

EKYC965E INTERNAL ERROR: SEGMENT TO DELETE IS NO LONGER FOUND IN THE CDSSEGM ENTRIES; SEGMENT NAME=*segment*

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC955X

EKYC966E INTERNAL ERROR: SSA FIELD LENGTH IS ZERO; SEGMENT=*segment* FIELD=*field*

Explanation: This is an IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with a return code of 8.

Programmer response: Call IBM Software Support for assistance.

Module: EKYC955X

EKYC970E UNABLE TO LOAD PROGRAM EKYHUP00

Explanation: The program tried to locate the named module in the program load library, but it could not find it.

Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Compare the job steplib allocation or the linklist concatenation with the location of the requested module, correct the error, and rerun the job.

Module: EKYC970X

EKYC971I **HUP RETURNED A RETURN CODE OF**
returncode **FOR PRID** *name*, **CAUSED**
BY *reason*. **THE ERROR OCCURRED IN**
TABLE *tablename*; **THE DB2 ROW**
PRIMARY KEY IS:

Explanation: The CCU requested that the HUP map a DB2 row, and the HUP returned a return code that does not allow the CCU to process the row. The program tries to continue processing the next mismatch indication record.

Severity: Warning.

System action: Processing continues and sets a return code of 4.

Programmer response: Determine the source for the conversion error from the preceding HUP error messages, repair the data, and resubmit the CCU job.

Module: EKYC970X

Chapter 5. DataRefresher Map Capture exit messages

EKYD000E MCCA ADDRESS IS MISSING FOR EXTRACT ID=*extid*

Explanation: An interface problem occurred between DataRefresher and the DPROP MCE. The MCE (EKYMCE00) expected to receive the address of the DataRefresher map capture communication area (MCCA) in register 1, but the address is zero.

Severity: Error.

System action: Processing terminates with return code 16. DataRefresher stops processing.

System programmer response: Call IBM Software Support for assistance.

Module: EKYD000X

EKYD001E CALLER IS NOT UIM OR DEM FOR EXTRACT ID=*extid*

Explanation: An interface problem occurred between DataRefresher and the DPROP MCE. Either the DataRefresher UIM or the DataRefresher DEM can call the MCE, but the caller identification in the MCCA was not either of these.

Severity: Error.

System action: Processing terminates with return code 16. DataRefresher stops processing.

System programmer response:

- Provide //EKYIN and //EKYTRACE DD statements to activate the DPROP trace, and specify DEBUG=64 to trace the control blocks.
- Rerun the DataRefresher UIM job and analyze the DataRefresher MCCA on EKYTRACE output (DSECT=EKYDCMXC).
- Call IBM Software Support for assistance.

Module: EKYD000X

EKYD002E THE CPPL ADDRESS IS MISSING FOR EXTRACT ID=*extid*

Explanation: The address of the command processor parameter list (CPPL) was not passed to the MCE in register 1. The DataRefresher UIM job probably was not running under the RUN CP subcommand of the DSN command.

Severity: Error.

System action: Processing terminates with return code 16. DataRefresher stops processing.

Programmer response: Rerun the UIM job under the RUN CP subcommand of the DSN command.

Module: EKYD000X

EKYD003I STARTING GENERATION OF PR=*prid*

Explanation: The generation processing of the PR started.

Severity: Information.

System action: Processing continues.

Module: EKYD000X

EKYD004I SUCCESSFUL GENERATION OF PR=*prid*

Explanation: The generation of the PR was successful.

Severity: Information.

System action: Processing terminates normally with return code 0 for this PR. If another extract request is to be processed, the DataRefresher UIM invokes the MCE again to create a new PR.

Module: EKYD000X

EKYD005I ERRORS FOUND WHILE GENERATING PR=*prid*

Explanation: One or more errors were encountered during generation of the PR. Messages describing the errors are issued on the //MVGPRINT data set.

Severity: Information.

System action: Processing terminates with a return code that corresponds to the error. If the return code is:

- 16 DataRefresher stops processing.
- 8 and there is another extract request, DataRefresher calls the MCE again.

Programmer response: See the error messages in //MVGPRINT for more information.

Module: EKYD000X

EKYD006E NONZERO RETURN CODE RECEIVED FROM EKYINIT

Explanation: The DPROP initialization phase did not complete successfully. Possible reasons are:

- A DB2 resource is not available.
- The DB2 plan used to run the DataRefresher UIM is invalid.
- If the DataRefresher UIM calls the MCE, DB2 is down.

Additional messages provide more information.

Severity: Error.

System action: Processing terminates with return code 16. DataRefresher stops processing.

Programmer response: See the messages issued previously, and rerun the DataRefresher UIM job after establishing the correct environment.

Module: EKYD000X

**EKYD007I PERFORM=BUILDONLY IS SPECIFIED,
THE EXTRACT REQUEST=*prid* WILL
NOT BE STORED INTO EXTLIB**

Explanation: PERFORM=BUILDONLY was specified as a propagation parameter either in the MAPUPARM keyword of the DataRefresher SUBMIT command or in the data set containing the default propagation parameters (//MVGPARM). The mapping information was generated for the PR in question. As a result of this parameter, the corresponding IMS data will not be extracted by the DataRefresher DEM. The DataRefresher UIM will not store the EXTRACT REQUEST (ER) in the DataRefresher EXTLIB.

Severity: Information.

System action: Processing terminates normally with a return code of 8. With a return code of 8, the DataRefresher UIM never stores the ER in the extract library for a later data extraction. If another ER is to be processed, the DataRefresher UIM calls the MCE again.

Module: EKYD000X

**EKYD008I PERFORM=RUNONLY IS SPECIFIED,
THE EXTRACT REQUEST=*prid* WILL BE
STORED INTO EXTLIB**

Explanation: PERFORM=RUNONLY was specified as a propagation parameter either in the MAPUPARM keyword of the DataRefresher SUBMIT command or in the data set containing the default propagation parameters (//MVGPARM). The already existing mapping information was checked for the PR in question. As a result of this parameter, the extract request is stored in the EXTLIB for a later data extraction. The existing mapping information remains unchanged.

Severity: Information.

System action: Processing terminates normally with a return code of 0.

Module: EKYD000X

**EKYD009I ROLLBACK HAS BEEN PERFORMED
AFTER A DEADLOCK IN THE
INITIALIZATION PHASE**

Explanation: A deadlock occurred in the initialization phase of the MCE. After issuing a rollback, the MCE restarted its processing.

Severity: Information.

System action: Processing continues normally.

Module: EKYD000X

**EKYD010E THE ROLLBACK ISSUED AFTER A
DEADLOCK IN THE INITIALIZATION
PHASE FAILED; RETURN
CODE=*returncode***

Explanation: A deadlock occurred in the initialization phase of the MCE. After trying to issue a rollback, the MCE received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing terminates abnormally with user abend 1101.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, establish a correct DB2 environment, and resubmit the DataRefresher DEM job.

Module: EKYD000X

EKYD100E EXTRACT ID=*extid* IS INVALID

Explanation: The identified extract ID is not alphanumeric, begins with a non-alphabetic character, or is longer than 8 bytes.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing for the PR terminates with return code 8, but the DataRefresher UIM continues processing. If another extract request is to be processed, the DataRefresher UIM calls the MCE again.

Programmer response: After the DataRefresher UIM finishes processing, specify a valid extract ID and resubmit the ER.

Module: EKYD100X

EKYD101E INVALID DBS PARAMETER; DBS=*db*s

Explanation: A database system other than DB2 was specified in the DataRefresher SUBMIT command. DPROP does not support the specified target system.

The identified DBS is an abbreviation of the database system. Following database systems can be identified:

- D = DB2
- S = SQL/DS™
- I = IXF

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing for the PR terminates with return code 8, but the DataRefresher UIM continues processing. If another extract request is to be processed, the DataRefresher UIM calls the MCE again.

Programmer response: After the DataRefresher UIM finishes processing, specify DBS=DB2 in the DataRefresher SUBMIT command, and resubmit the ER.

Module: EKYD100X.

**EKYD102E DBNAME IS MISSING OR INVALID;
DBNAME=*dbname***

Explanation: The identified database name is invalid, or neither a database name nor a DataRefresher PCB name was specified in the DataRefresher PCB statement of the DataRefresher CREATE DataRefresher PSB command. DPROP requires a valid database name (alphanumeric name-first character alphabetic, length not greater than 8 bytes). If no database name is provided, DPROP uses the name of the DataRefresher PCB as the database name.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing for the PR terminates with return code 8, but the DataRefresher UIM continues processing. If another extract request is to be processed, the DataRefresher UIM calls the MCE again.

Programmer response: After the DataRefresher UIM finishes processing, specify a valid database name and resubmit the ER.

Module: EKYD100X

**EKYD103E MORE THAN ONE DataRefresher PCB
SPECIFIED**

Explanation: More than one DataRefresher PCB statement was specified on the DataRefresher CREATE DataRefresher PSB command, and the PRTYPE specified a generalized mapping case. DPROP allows only one DataRefresher PCB statement in a generalized mapping case.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing for the PR terminates with return code 8, but the DataRefresher UIM continues processing. If another extract request is to be processed, the DataRefresher UIM calls the MCE again.

Programmer response: After the DataRefresher UIM finishes processing, either remove any extra DataRefresher PCB statements or specify PRTYPE=U (user mapping) as the propagation parameter. Resubmit the ER.

Module: EKYD100X

EKYD106E SEGMENT NAME=*segment* IS INVALID

Explanation: The name of the segment specified in a SEGMENT statement of the DataRefresher CREATE DataRefresher PSB command is invalid. The name must be alphanumeric, start with an alphabetic character, and not exceed 8 bytes.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing for the PR terminates with return code 8, but the DataRefresher UIM continues processing. If another extract request is to be processed, the DataRefresher UIM calls the MCE again.

Programmer response: After the DataRefresher UIM finishes processing, specify a valid segment name and resubmit the ER.

Module: EKYD100X

**EKYD107E FIELD STARTS IN VARIABLE POSITION
IN SEGMENT=*segment*; FIELD=*field***

Explanation: A field in the FIELD statement of the DataRefresher CREATE DataRefresher PSB command started in a variable position, and the PRTYPE specified a generalized mapping case. DPROP does not support this type of field for a generalized mapping case.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing for the PR terminates with return code 8, but the DataRefresher UIM continues processing. If another extract request is to be processed, the DataRefresher UIM calls the MCE again.

Programmer response: After the DataRefresher UIM finishes processing, specify either a fixed starting position for this field or PRTYPE=U (user mapping) as the propagation parameter. Resubmit the ER.

Module: EKYD100X

**EKYD108E A DATE CONVERSION EXIT IS
SPECIFIED IN SEGMENT=*segment*;
FIELD=*field***

Explanation: A date conversion exit was provided in the FIELD statement, and the PRTYPE specified a generalized mapping case. DPROP does not support date conversion exits for a generalized mapping case. A Field exit routine can perform the date conversion.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing for the PR terminates with return code 8, but the DataRefresher UIM continues processing. If another extract request is

to be processed, the DataRefresher UIM calls the MCE again.

Programmer response: After the DataRefresher UIM finishes processing, specify either a Field exit routine to convert dates or PRTYPE=U (user mapping) as the propagation parameter. Resubmit the ER.

Module: EKYD100X

EKYD109E THE NEXT OCCURRENCE OF AN INTERNAL SEGMENT CANNOT BE FOUND USING ANOTHER INTERNAL SEGMENT; NESTED INTERNAL SEGMENTS ARE NOT SUPPORTED BY DPROP

Explanation: You have specified NEXT=*segname+n* to locate the current internal segment (the current internal segment is a nested internal segment). This situation is not supported by DPROP.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing for the PR terminates with return code 8, but the DataRefresher UIM continues processing. If another extract request is to be processed, the DataRefresher UIM calls the MCE again.

Programmer response: After the DataRefresher UIM finishes processing, specify either BYTES=*n*, if the internal segment is fixed-length, or NEXT=*fieldname+n* instead of NEXT=*segname+n* in your CREATE DataRefresher PSB, and resubmit the ER.

Module: EKYD100X

EKYD110E THE POINTER TO THE NEXT OCCURRENCE OF AN INTERNAL SEGMENT IS INVALID (DataRefresher INTERNAL ERROR)

Explanation: The entry pointed to by the NEXT keyword is not FLD entry or a SEGM entry. This is a DataRefresher internal error.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing for the PR terminates with return code 8, but the DataRefresher UIM continues processing. If another extract request is to be processed, the DataRefresher UIM calls the MCE again.

System programmer response:

- Provide //EKYIN and //EKYTRACE DD statements to activate the DPROP trace, and specify DEBUG=64 to trace the control blocks.
- Rerun the DataRefresher UIM job for the ER and pick up the trace of the MCCA from EKYTRACE output (DSECT=EKYDCMXC).
- Call IBM Software Support for assistance.

Module: EKYD100X

EKYD120I LIST OF THE SPECIFIED PROPAGATION PARAMETERS:

Explanation: The list of propagation parameters provided in the MAPUPARM keyword of the DataRefresher SUBMIT command follows this message on the //MVGPRINT data set.

Severity: Information.

System action: Processing continues.

Module: EKYD120X

EKYD130E THE FIRST MCCA ENTRY IS NOT A FILE OR PCB ENTRY; ENTRY TYPE=*etype*

Explanation: An interface problem occurred between DataRefresher and the MCE. DPROP expected the first entry in the DataRefresher MCCA to describe a 'FILE' or 'PCB,' but the entry is another type.

Severity: Error.

System action: Processing terminates with return code 16. DataRefresher stops processing.

System programmer response:

- Provide //EKYIN and //EKYTRACE DD statements to activate the DPROP trace, and specify DEBUG=64 to trace the control blocks.
- Rerun the DataRefresher UIM job and analyze the DataRefresher MCCA on the //EKYTRACE data set (DSECT=EKYDCMXC).
- Call IBM Software Support for assistance.

Module: EKYD130X

EKYD131E THE FILE OR PCB IN THE MCCA DOES NOT DESCRIBE A DL/I DATABASE; SOURCE TYPE=*stype*

Explanation: The MCE received a DataRefresher MCCA describing a type of input data other than IMS data. A DataRefresher CREATE DataRefresherFILE command was probably provided instead of a DataRefresher CREATE DataRefresher PSB command.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing for the PR terminates with return code 8, but the DataRefresher UIM continues processing. If another extract request is to be processed, the DataRefresher UIM calls the MCE again.

Programmer response: Check the DataRefresher CREATE command and resubmit the ER.

If the DataRefresher CREATE specifies a valid DataRefresher PSB:

- Provide //EKYIN and //EKYTRACE DD statements to activate the DPROP trace and specify DEBUG=64 to trace the control blocks.
- Rerun the DataRefresher UIM job and analyze the DataRefresher MCCA on the //EKYTRACE data set (DSECT=EKYDCMXC).
- Call IBM Software Support for assistance.

Module: EKYD130X

**EKYD132E INVALID ENTRY TYPE IN THE MCCA;
ENTRY TYPE=*etype***

Explanation: An interface problem occurred between DataRefresher and the MCE. DPROP expected the current entry in the DataRefresher MCCA to describe a segment (type=SEGM), but the entry is another type.

Severity: Error.

System action: Processing terminates with return code 16. DataRefresher stops processing.

System programmer response:

- Provide //EKYIN and //EKYTRACE DD statements to activate the DPROP trace and specify DEBUG=64 to trace the control blocks.
- Rerun the DataRefresher UIM job and analyze the DataRefresher MCCA on the //EKYTRACE data set (DSECT=EKYDCMXC).
- Call IBM Software Support for assistance.

Module: EKYD130X

**EKYD133E SEGMENT=*segment* IS NOT AN
IMMEDIATE DEPENDENT OF THE
ENTITY SEGMENT**

Explanation: Each segment in the extract request selecting data must be the entity segment, a parent of the entity segment, or an immediate dependent of the entity segment (for mapping case 2). After determining the entity segment and its parents, DPROP found that the identified segment is not an immediate dependent of the entity segment. In this case the segment cannot be an extension segment of mapping case 2.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing for the PR terminates with return code 8, but the DataRefresher UIM continues processing. If another extract request is to be processed, the DataRefresher UIM calls the MCE again.

Programmer response: After the DataRefresher UIM finishes processing, correct the error and resubmit the ER.

Module: EKYD130X

**EKYD134E SEGMENT=*segment* COULD BE AN
EXTENSION SEGMENT BUT
MAXNBR=1 IS NOT SPECIFIED**

Explanation: The identified segment is an immediate dependent of the entity segment and selected data, but MAXNBR=1 was not specified on the SEGMENT statement of the DataRefresher CREATE DataRefresher PSB command. This segment is not identified as an extension segment of a PR with mapping case 2.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing for the PR terminates with return code 8, but the DataRefresher UIM continues processing. If another extract request is to be processed, the DataRefresher UIM calls the MCE again.

Programmer response: After the DataRefresher UIM finishes processing, either specify MAXNBR=1 on the SEGMENT statement or remove the selected fields of this segment. Resubmit the ER.

Module: EKYD130X

**EKYD135E PR=*prid* IS A USER MAPPING BUT THE
PROPSEGM PARAMETER IS MISSING**

Explanation: The propagation parameter PROPSEGM is missing. The segments that are to be propagated must be identified in the PROPSEGM keyword. This keyword can be specified either in the MAPUPARM keyword of the DataRefresher SUBMIT command or in the data set containing the default propagation parameters (//MVGPARM).

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing for the PR terminates with return code 8, but the DataRefresher UIM continues processing. If another extract request is to be processed, the DataRefresher UIM calls the MCE again.

Programmer response: After the DataRefresher UIM finishes processing, code the PROPSEGM parameter and specify the segments to be propagated. Resubmit the ER.

Module: EKYD130X

**EKYD136E AT LEAST ONE SEGMENT SPECIFIED
IN THE PROPSEGM PARAMETER IS
MISSING IN THE DataRefresher
DEFINITIONS**

Explanation: The PR to be created is a user mapping request. A segment name that was not specified in the DataRefresher CREATE DataRefresher PSB command was specified in the PROPSEGM propagation keyword.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing for the PR terminates with return code 8, but the DataRefresher UIM continues processing. If another extract request is to be processed, the DataRefresher UIM calls the MCE again.

Programmer response: After the DataRefresher UIM finishes processing, either remove this segment from the PROPSEGM parameter or specify this segment in the DataRefresher CREATE DataRefresher PSB command. Resubmit the ER.

Module: EKYD130X

EKYD137E MAPCASE=3 IS SPECIFIED BUT THE ENTITY SEGMENT IS NOT AN INTERNAL SEGMENT; PR=prid, SEGMENT=segment

Explanation: Mapping case 3 can only be specified for PRs that propagate an internal segment.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing for the PR terminates with return code 8, but the DataRefresher UIM continues processing. If another extract request is to be processed, the DataRefresher UIM calls the MCE again.

Programmer response: After the DataRefresher UIM finishes processing, specify either another mapping case or a different entity segment and resubmit the ER.

Module: EKYD130X

EKYD138E THE ENTITY SEGMENT IS AN INTERNAL SEGMENT BUT MAPPING CASE IS NOT 3; PR=prid, MAPCASE=mcas, SEGMENT=segment

Explanation: For PRs that propagate an internal segment, mapping case 3 must be specified.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing for the PR terminates with return code 8, but the DataRefresher UIM continues processing. If another extract request is to be processed, the DataRefresher UIM calls the MCE again.

Programmer response: After the DataRefresher UIM finishes processing, specify either MAPCASE=3 for this PR or a different entity segment and resubmit the ER.

Module: EKYD130X.

EKYD139E THE CONTAINING SEGMENT IS AN INTERNAL SEGMENT: NESTED INTERNAL SEGMENTS ARE NOT ALLOWED; PR=prid, INTERNAL SEGMENT=segment

Explanation: The PR is a PR with mapping case 3. The entity segment, which is an internal segment, has another internal segment as its immediate parent (the containing segment). The containing segment must be an IMS segment.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing for the PR terminates with return code 8, but the DataRefresher UIM continues processing. If another extract request is to be processed, the DataRefresher UIM calls the MCE again.

Programmer response: After the DataRefresher UIM finishes processing, specify a valid IMS segment as the immediate parent of the entity segment and resubmit the ER.

Module: EKYD130X

EKYD200E SYSIN DD STATEMENT IS MISSING; UNABLE TO INVOKE THE DBRC UTILITY TO DETERMINE THE DATABASE STATUS

Explanation: When called by the DataRefresher DEM, the MCE must call the DBRC utility to determine the status of the database to be extracted. A //SYSIN DD statement is needed to receive the DBRC control statements generated by DPROP.

Severity: Error.

System action: Processing of the program terminates with return code 8. DPROP returns to the DataRefresher DEM, which terminates the data extraction of this PR.

Programmer response: Specify a //SYSIN DD statement in the DataRefresher DEM procedure and rerun the DataRefresher DEM job.

Module: EKYD200X

EKYD201E NONZERO RETURN CODE RECEIVED FROM DBRC UTILITY (DSPURX00); RETURN CODE=returncode

Explanation: The DataRefresher DEM called the MCE, which then called the IMS DBRC utility to determine the status of the database to extract. The DBRC utility returned a nonzero return code.

Severity: Error.

System action: Processing of the program terminates with return code 16. DPROP returns to the

DataRefresher DEM, which terminates the data extraction and stops its processing.

System programmer response: Check your IMS environment. Correct the error and resubmit the DataRefresher DEM job.

Module: EKYD200X

**EKYD202E UNEXPECTED DATABASE TYPE
FOUND ON THE RECON DB RECORD;
DBNAME=*dbname*; TYPE=*dbtype***

Explanation: The DataRefresher DEM called the MCE, which then called the IMS DBRC utility to determine the status of the database to extract. The DBRC report shows that the database type is neither IMS nor FP.

Severity: Error.

System action: Processing of the program terminates with return code 16. DPROF returns to the DataRefresher DEM, which terminates the data extraction and stops its processing.

System programmer response: This error could occur if the layout of the DBRC report changes in a later DBRC release. See "Sample Listing of a RECON Data Set" in database recovery control, correct the error, and resubmit the DataRefresher DEM job.

Module: EKYD200X

**EKYD203E DATABASE=*dbname* IS NOT SET TO
'READ-ONLY'; DATA EXTRACTION
CANNOT BE PERFORMED YET**

Explanation: The MCE found that the status of the database to extract is not read-only. DPROF cannot allow the data extraction.

Severity: Error.

System action: Processing of the program terminates with return code 8. DPROF returns to the DataRefresher DEM, which terminates the data extraction for this PR.

Programmer response: Change the database status on RECON to read-only, and resubmit the DataRefresher DEM job.

Module: EKYD200X

**EKYD204E AT LEAST ONE UPDATER IS ALREADY
RUNNING ON DATABASE=*dbname*;
DATA EXTRACTION CANNOT BE
PERFORMED YET**

Explanation: The MCE found that at least one job updating the identified database is already active. DPROF cannot allow the data extraction.

Severity: Error.

System action: Processing of the program terminates with return code 8. DPROF returns to the DataRefresher DEM, which terminates the data extraction for this PR.

Programmer response: Change the database status on RECON to read-only, wait until the update job is finished, and resubmit the DataRefresher DEM job.

Module: EKYD200X

**EKYD205I DATABASE=*dbname* IS IN A
READ-ONLY STATUS AND HAS NO
UPDATER RUNNING; DATA
EXTRACTION CAN BEGIN**

Explanation: The MCE found that the database status on the RECON data sets is read-only and that no job is currently updating this database. DPROF allows the data extraction.

Severity: Information.

System action: Processing terminates normally with return code 0. DPROF returns to the DataRefresher DEM, which begins the data extraction.

Module: EKYD200X

**EKYD206E THE FOLLOWING KEYWORD IS NOT
FOUND ON //SYSPRINT DURING THE
SCAN OPERATION: *keyword***

Explanation: The MCE called the IMS DBRC utility to determine the status of the database to extract. DPROF did not find an expected keyword in the DBRC report. DPROF cannot continue.

Severity: Error.

System action: Processing of the program terminates with return code 16. DPROF returns to the DataRefresher DEM, which terminates the data extraction and stops its processing.

System programmer response: This type of error could occur if the layout of the DBRC report changes in a later DBRC release. See database recovery control, correct the error, and resubmit the DataRefresher DEM job.

Module: EKYD200X

**EKYD207E //DataRefresherIN AND/OR
//DataRefresherPRINT DD STATEMENT
MISSING; THE DPROF MAP CAPTURE
EXIT IS UNABLE TO INVOKE THE
DBRC UTILITY**

Explanation: The MCE tried unsuccessfully to call the IMS DBRC utility to determine the status of the database to be extracted. When running the DataRefresher DEM without DPROF, the DBA can specify either //DataRefresherIN or //SYSIN DD statements for the DEM commands and

//DataRefresherPRINT or //SYSPRINT for the DEM report. With DPROP, //SYSIN and //SYSPRINT are reserved for the DBRC utility; therefore the DBA must specify //DataRefresherIN and //DataRefresherPRINT DD statements for the DataRefresher DEM's use.

Severity: Error.

System action: Processing of the program terminates with return code 8. DPROP returns to the DataRefresher DEM, which terminates the data extraction of this PR.

Programmer response: Specify the missing DD statements and rerun the DataRefresher DEM job.

Module: EKYD200X

**EKYD208E THE FIRST MCCA ENTRY IS NOT A
FILE OR PCB ENTRY; ENTRY
TYPE=*etype***

Explanation: An interface problem occurred between DataRefresher and the MCE. DPROP expected the first entry in the DataRefresher MCCA to describe a 'FILE' or 'PCB,' but the entry is another type.

Severity: Error.

System action: Processing terminates with return code 16. DataRefresher stops processing.

Programmer response:

- Provide //EKYIN and //EKYTRACE DD statements to activate the DPROP trace, and specify DEBUG=64 to trace the control blocks.
- Rerun the DataRefresher UIM job and analyze the DataRefresher MCCA on the //EKYTRACE data set (DSECT=DKYDCMXC).
- Call IBM Software Support for assistance.

Module: EKYD200X

Chapter 6. Sample Propagation exit routine messages

EKYEXP0E PROPAGATION FAILURE FOR
TABLE=*tabname* FAILING SQL
STATEMENT=*oper* SQL ERROR
CODE=*sqlcode*

Explanation: While attempting to update the identified DB2 table, the exit routine encountered an SQL error. Message EKYZ360E, written by the RUP, explains the SQL error.

Severity: Return code=4 (SQL error).

The following messages are issued by the sample Propagation exit routine EKYEXPR1.

EKYEXP1E UNEXPECTED DBD OR SEGNAME FOR
EKYEXPR1 DBDNAME=*dbdname*
SEGNAME=*segname* FUNC=*func*

Explanation: The sample Propagation exit routine EKYEXPR1 was called to propagate an invalid or DBD name or segment type. The DBD name and segment type are shown in the message.

Severity: Return code=20 (internal error).

System action: The RUP abends.

Programmer response: Change the PR definitions or adapt the exit routine.

Problem determination: Save the dump.

Module: EKYEXPR1

EKYEXP2E KEY OF SEG2 NOT PROVIDED BY DL/I
CAPTURE DBDNAME=*dbdname*
SEGNAME=*segname* FUNC=*func*

Explanation: The fully concatenated key of the segment SEG2 was not provided by DL/I Capture (or by the user program that calls the RUP to perform asynchronous data propagation).

Severity: Return code=20 (internal error).

System action: The RUP abends.

Programmer response: Adapt DBDGEN specifications so that DL/I Capture provides the fully concatenated key.

Problem determination: Save the dump.

Module: EKYEXPR1

EKYEXP3E DATA OF SEG2 NOT PROVIDED BY
DL/I CAPTURE DBDNAME=*dbdname*
SEGNAME=*segname* FUNC=*func*

Explanation: The segment SEG2 was not provided by DL/I Capture (or by the user program that calls the RUP to perform asynchronous data propagation).

Severity: Return code=20 (internal error).

System action: Depending on the type of SQL error, the RUP uses its error handling logic for "Deadlocks", "Unavailable Resources", or "other errors", as described in Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: Analyze the information in message EKYZ360E.

Module: EKYEXPR1

System action: The RUP abends.

Programmer response: Adapt DBDGEN specifications so that DL/I Capture provides the SEG2 data.

Problem determination: Save the dump.

Module: EKYEXPR1

EKYEXP4E PATH DATA NOT PROVIDED BY DL/I
CAPTURE DBDNAME=*dbdname*
SEGNAME=*segname* FUNC=*func*

Explanation: The path data for segment SEG2 was not provided by DL/I Capture (or by the user program that calls the RUP to perform asynchronous data propagation).

Severity: Return code=20 (internal error).

System action: The RUP abends.

Programmer response: Adapt DBDGEN specifications so that DL/I Capture provides the path data for SEG2.

Problem determination: Save the dump.

Module: EKYEXPR1

EKYEXP5E UNEXPECTED CALL FUNCTION IN DL/I
XPCB DBDNAME=*dbdname*
SEGNAME=*segname* FUNC=*func*

Explanation: The XPCB interface control block defined by IMS/ESA contains an invalid call function.

Severity: Return code=20 (internal error).

System action: The RUP abends.

Problem determination: Save the dump.

Module: EKYEXPR1

Chapter 7. Receiver utility messages

EKYF001E RECEIVER WITH NAME *receiver_name* NOT FOUND IN RCT

Explanation: The Receiver did not find the name *receiver_name* that was specified in the RECEIVER statement in the Receiver control table.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check the definitions in the Receiver control table. Refer to the *IMS DataPropagator Reference* for information on the columns of the Receiver control table and how to delete and recreate rows in the Receiver control table using the SCU control statements, DELETEREC and CREATEREC.

Module: EKYP400X

EKYF002E RECEIVER NAME *receiver_name* AND GROUP *group_id* IN RCT DID NOT MATCH THOSE ENTERED ON INPUT STATEMENTS

Explanation: The definitions in the RECNAME and GROUPID columns of the Receiver control table did not match the *receiver_name* and *group_id* parameters on the Receiver control statements in the //EKYRIDS. Refer to the *IMS DataPropagator Reference* for information on Receiver control statements.

Severity: Error.

System action: Processing is terminated.

Programmer response: Compare the definitions for RECNAME and GROUPID in the Receiver control table with the *receiver_name* and *group_id* on the Receiver control statements. If they do not match, correct the definition or control statement that is incorrect. Refer to the *IMS DataPropagator Reference* for information on how to delete and recreate rows in the Receiver control table using the SCU control statement, DELETEREC and CREATEREC definitions from the Receiver control table and resubmit the Receiver.

Module: EKYP400X

EKYF003E PRDS WITH DSNAME=*dataset_name* DOES NOT CONTAIN A VALID HEADER RECORD

Explanation: The PRDS data set does not contain a valid header record.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check that the data set *dataset_name* is the PRDS to be processed, and that it is correctly registered. Refer to the *IMS DataPropagator*

Reference for information on registering PRDSs by the PRDS Registration Utility (PRU). Specify the correct name and resubmit the Receiver.

Module: EKYP000X

EKYF004E GROUPID *group_id* ON PRDS HEADER RECORD DOES NOT MATCH GROUPID *group_id* IN THE PRDS REGISTER TABLE

Explanation: The PRDS Registration utility copies the GROUPID *group_id* from the PRDS header record to the PRDS Register table during registration.

A problem occurred either during registration, or the PRDS name or contents have been altered since registration.

Severity: Error.

System action: Processing is terminated.

Programmer response: Compare the values for *group_id* in the PRDS Register table and in the PRDS header record. If they are different, remove the definition registered in the PRDS Register table. Register the PRDS in the PRDS Register table again before resubmitting the Receiver.

Module: EKYP000X

EKYF005E SEQUENCE NUMBER *sequence_number* ON PRDS HEADER RECORD DOES NOT MATCH SEQUENCE NUMBER *sequence_number* IN THE PRDS REGISTER TABLE

Explanation: PRDSs are created in sequential order by the Selector for each Propagation Group. Both the *sequence_number* in the PRDS header record and the *sequence_number* in the PRDS Register table reflect the sequence of the PRDS. The Receiver tracks the sequence numbers of the PRDSs processed and applies the PRDS in the correct sequence based on this number. The PRDS Registration utility copies the *sequence_number* from the PRDS header record to the PRDS Register table during registration.

A problem has occurred either during registration, or the PRDS name or contents have been altered since registration.

System action: Processing is terminated.

Programmer response: Compare the values for *sequence_number* in the PRDS Register table and in the PRDS header record. If they are not the same, remove the definition from the PRDS Register table. Register the PRDS in the PRDS Register table again before resubmitting the Receiver.

Module: EKYF000X

**EKYF006E SOURCE TYPE *srctype* ON PRDS
HEADER RECORD DOES NOT MATCH
SOURCE TYPE *srctype* IN THE PRDS
TABLE**

Explanation: The PRDS Registration utility copies the *srctype* from the PRDS header record to the PRDS Register table during registration.

Severity: Error.

System action: Processing is terminated.

Programmer response: Compare the definitions for *srctype* in the PRDS Register table and in the PRDS header record. If they are not identical, unregister the definition from the PRDS Register table and register the PRDS in the PRDS Register table again before resubmitting the Receiver.

Module: EKYF000X

**EKYF007E END-OF-FILE REACHED FOR PRDS
WITH DSNAME *dataset_name* WITHOUT
A VALID TRAILER RECORD**

Explanation: The Receiver reached the end of the PRDS that it was processing without reading a valid trailer record.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check that the PRDS with the given data set name has a valid trailer record. Refer to the *IMS DataPropagator Reference* for information on the format of valid trailer records.

If the:

- Selector and Receiver are on separate sites, check that the complete PRDS has been transmitted successfully. If this is not the case, rerun the Selector.
- PRDS does not have a valid trailer record, check that the Selector run that created the PRDS completed successfully. If this is not the case, retransmit the complete PRDS.

Module: EKYF000X.

**EKYF009E SEVERE I/O ERROR ON PRDS WITH
DSNAME *dataset_name***

Explanation: An error occurred when the Receiver tried to open or read the current PRDS.

Severity: Error.

System action: Processing is terminated.

Programmer response: Create a new copy of the PRDS either from a backup copy or by running the Selector run that created it again.

Module: EKYF000X

**EKYF010I RECEIVER COMPLETED WITH
RETURN CODE *return_code* AND
REASON CODE *reason_code***

Explanation: Receiver processing has ended with the return code *return_code* and reason codes *reason_code*. If the return code is other than zero, further error messages issued will indicate the cause of an error.

Severity: Information.

System action: Processing terminates normally.

Programmer response: Refer to the appropriate Administrators Guide for your propagation mode for the meaning of return and reason codes.

If further error messages have been issued, use them to locate and correct the source of any errors.

Module: EKYF000X

**EKYF011E SQL ERROR *sqlcode* ATTEMPTING TO
ACCESS THE RCT**

Explanation: The Receiver was unable to access the Receiver control table due to the given SQL error.

Severity: Error.

System action: Processing is terminated.

Programmer response: Refer to the *DB2 Messages and Codes* for an explanation of SQL error messages.

Module: EKYF000X, EKYF400X

**EKYF012I SUCCESSFULLY PROCESSED PRDS
WITH SEQUENCE NUMBER
sequence_number FOR GROUP *group_id***

Explanation: The Receiver has successfully processed the PRDS for which data set name is contained in the PRDS Register table in the entry for the group *group_id* and sequence number *sequence_number*.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYF000X

**EKYF013E DB2 COMMIT FAILED DUE TO SQL
ERROR *sqlcode***

Explanation: DB2 issued the given SQL code when the Receiver executed the SQL COMMIT statement.

Severity: Error.

System action: Processing is terminated.

Programmer response: Refer to the *DB2 Messages and Codes* for an explanation of SQL error messages. Rerun the Receiver. It restarts at the point at which the failure occurred.

Module: EKYF000X

**EKYF014E INVALID HEADER IN PRDS WITH
DSNAME *dataset_name* VERSION
VALUE *version/release/modification* NOT
ALLOWED**

Explanation: The *version/release/modification* contained in the PRDS header is incompatible with the current version of the Receiver.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check that both the:

- PRDS with the data set name *dataset_name* is registered in the PRDS Register table.
- PRDS was created by a compatible version of the Selector. modification value in its header record.

Module: EKYF000X

**EKYF015E INTERNAL SEQUENCE ERROR IN
PRDS WITH DSNAME *dataset_name***

Explanation: The PRDS contains records that are not:

- Header, commit or trailer records
- In a valid IMS 9904 log record format.

Severity: Error.

System action: Processing is terminated.

Programmer response: If the complete PRDS has been received from the Selector and registered correctly by the PRU, verify that the Selector run that created the PRDS completed successfully.

Module: EKYF100X

**EKYF017E SQL ERROR *sqlcode* ATTEMPTING TO
ACCESS THE PRCT**

Explanation: The Receiver was unable to access the PRCT as a result of the SQL error *sqlcode*.

Severity: Error.

System action: Processing is terminated.

Programmer response: Refer to the *DB2 Messages and Codes* for an explanation of SQL error messages.

Module: EKYF400X

**EKYF018E UNABLE TO PROCESS MORE THAN
number PRS ASSIGNED TO A
RECEIVER**

Explanation: The number of PR's assigned to a receiver cannot exceed the limit of *number*.

Severity: Error.

System action: Processing is terminated.

Programmer response: Use the DELETEPR statement of the PRU to de-assign PRs no longer needed by the Receiver before resubmitting the job.

Module: EKYF400X

**EKYF020E NO PRS ASSIGNED TO RECEIVER
NAMED *receiver_name***

Explanation: The Receiver cannot be executed if PR's have not been assigned.

Severity: Error.

System action: Processing is terminated.

Programmer response: Use the ASSIGNPR statement of the SCU to assign required PRs to the Receiver before resubmitting the job.

Module: EKYF400X

**EKYF021E RECEIVER HALTED - WAITING FOR
RESOLUTION OF DB2 DEADLOCK ON
DPROP DIRECTORY TABLES**

Explanation: When the Receiver encounters a deadlock situation in DB2, it does not terminate but continues to attempt the update of DB2 until the deadlock retreats or the Receiver job is cancelled.

Severity: Warning.

System action: Processing continues.

Programmer response: Check that no other job or user is updating any of the IMS DPROP directory or target tables.

Module: EKYF000X

**EKYF022E RECEIVER NAMED *receiver_name*
ALREADY EXECUTING**

Explanation: The Receiver is already executing under the name *receiver_name*.

Severity: Error.

System action: Processing is terminated.

Programmer response: Either force an end to the current Receiver execution or wait until it is completed.

Module: EKYF400X

**EKYF023E INTERNAL DPROP ERROR
 DECOMPRESSING LOG RECORDS**

Explanation: IMS DPROP is unable to decompress part of a log record in the PRDS being processed. Either the MVS Compression Service CSCSERV is not available or is at a incompatible level.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check that the complete PRDS has been received from the Selector and registered correctly by the PRU. Then verify that the Selector run that created the PRDS completed successfully. Ensure that MVS Compression Service, CSRCESTRV is available on the Receiver site and that it is at the same level as at the Selector site.

Module: EKYF100X

**EKYF025I LIST OF //EKYRIDS INPUT RECORDS
 FOLLOWS**

Explanation: This message precedes a list of the contents of the //EKYRIDS data set and any related messages.

Severity: Information.

System action: Processing continues.

Programmer response: Check for any further messages that are issued.

Module: EKYF200X

**EKYF026E END OF //EKYRIDS INPUT RECORDS.
 INPUT RECORDS HAVE AT LEAST
 ONE SYNTAX ERROR**

Explanation: An error has occurred during the processing of the //EKYRIDS input records.

Severity: Error.

System action: Processing is terminated.

Programmer response: Determine and correct the source of the error using the error message or messages displayed before resubmitting the job.

Module: EKYF200X

**EKYF027E ERRORS FOUND WHILE PARSING
 INPUT CONTROL STATEMENTS.**

Explanation: One or more errors were found during the parsing of the input control statements.

Severity: Error.

System action: Processing is terminated.

Programmer response: Determine and correct the source of the error using the error message or messages displayed before resubmitting the job.

Module: EKYF200X

**EKYF028I END OF //EKYRIDS INPUT RECORDS
 --- NO SYNTAX ERRORS DETECTED IN
 INPUT RECORDS**

Explanation: The //EKYRIDS data set has been parsed successfully.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYF200X

EKYF029I control_statement

Explanation: This message prints records from the //EKYRIDS data set.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYF200X

**EKYF030E INVALID OPERAND *operand* FOUND IN
 CONTROL STATEMENT.**

Explanation: The operand *operand* is not valid on the RECEIVER or PRDS control statements.

Severity: Error.

System action: Processing is terminated.

Programmer response: Correct the control statements in the EKYRIDS data set.

Refer to the *IMS Data Propagator Reference* for the correct syntax of the RECEIVER and PRDS control statements

Module: EKYF200X

**EKYF031E timestamp IS NOT A VALID ISO DB2
 TIMESTAMP.**

Explanation: The value timestamp *timestamp*, entered on the STOP= keyword of the PRDS control statement must be either an END, a TSM or a DB2/ISO timestamp. If it is not an END or a TSM, then it is assumed to be a DB2/ISO timestamp.

DB2 /ISO timestamps should be in the following format:
YYYY-MM-DD-HH.MM.SS.tttttt

Severity: Error.

System action: Processing is terminated.

Programmer response: Enter a valid value on the STOP= keyword of the PRDS control statement in the EKYRIDS data set before resubmitting the job.

Refer to the *IMS DataPropagator Reference* for the correct syntax of the PRDS control statement.

Refer to DB2 program documentation for an explanation of DB2 timestamps.

Module: EKYF200X

EKYF032E DB2 ROLLBACK FAILED DUE TO SQL ERROR *sql_code*

Explanation: The SQL ROLLBACK call could not execute. A problem with the DB2 subsystem is causing the sql error *sql_code*.

Severity: Error.

System action: Processing is terminated.

Programmer response: Refer to the *DB2 Messages and Codes* for an explanation of SQL error messages. Rerun the Receiver. It restarts at the point where the error occurred.

Module: EKYF000X

EKYF033E UOW_ID IN THE RCT IS BLANK BUT THE PRDS STATUS IS OPEN

Explanation: A value of OPEN for PRDS_STATUS in the Receiver control table indicates that the Receiver resumes processing in the middle of a PRDS. The Receiver requires the IMS recovery token or the unit of work (UOW_ID) identifier of the commit record from which it is to continue processing.

Severity: Error.

System action: Processing is terminated.

Programmer response: Contact IBM Software Support.

Module: EKYF000X

EKYF034E UOW_ID uow identifier IN THE RCT USED FOR RESTARTING WAS NOT FOUND IN THE PRDS

Explanation: The Receiver control table indicates that the Receiver should resume processing after the commit record containing the UOW_ID *uow_identifier* in the PRDS. However, no such commit record was found in the PRDS

Severity: Error.

System action: Processing is terminated.

Programmer response: Check that the PRDS to be processed contains the correct UOW_ID and that the PRDS is registered in the PRDS Register table.

Module: EKYF000X

EKYF035W STOP CRITERIA FOR RECEIVER NOT MATCHED AND NO MORE PRDS EXIST FOR GROUP *group identifier*

Explanation: The receiver has processed all PRDS's registered for the given group identifier and either a:

- Stop timestamp was specified that was not exceeded by the timestamp in any commit record.
- Timestamp identifier was specified that was not matched in a trailer record.

Severity: Warning.

System action: Processing terminates normally.

Programmer response: Check that all PRDS's requiring processing have been received and registered.

Module: EKYF300X

EKYF036E SQL ERROR sqlerr ATTEMPTING TO ACCESS THE PRDS REGISTER TABLE

Explanation: The Receiver was unable to access the PRDS Register table due to the SQL error *sqlcode*.

Severity: Error.

System action: Processing is terminated.

Programmer response: Refer to the *DB2 Messages and Codes* for an explanation of SQL error messages.

Module: EKYF300X.

EKYF037E NONZERO CODE RETURNED BY MACRO DYNALLOD WHEN DYNAMICALLY ALLOCATING A PRDS RETURN CODE: (R15) return code(hex) / return code(decimal) DATASET NAME: dataset name ERROR REASON CODE: reason code(hex) / reason code(decimal) ERROR INFORMATION CODE: information code(hex) / information code(decimal)

Explanation: The MVS DYNALLOD macro (SVC 99) was issued for the given data set and failed with the codes listed.

Severity: Error.

System action: Processing is terminated.

Programmer response: Refer to the *OS/390 MVS Application Development Guide* for an explanation of the listed codes.

Module: EKYF000X

EKYF038E **NONZERO CODE RETURNED BY MACRO DYNALLOC WHEN DYNAMICALLY DEALLOCATING A PRDS RETURN CODE: (R15)** *return code(hex) / return code(decimal)*
DATASET NAME: *dataset name* **ERROR**
REASON CODE: *reason code(hex) / reason code(decimal)* **ERROR**
INFORMATION CODE: *information code(hex) / information code(decimal)*

Explanation: The MVS DYNALLOC macro (SVC 99) was issued for the given data set and failed with the codes displayed.

Severity: Error.

System action: Processing is terminated.

Programmer response: Refer to the *OS/390 MVS Application Development Guide* for an explanation of the listed codes

Correct the problem and resubmit the job.

Module: EKYF000X

EKYF039E **SQL ERROR** *sql_code* **ATTEMPTING TO ACCESS THE PRDS VOLUMES TABLE**

Explanation: The Receiver was unable to access the PRDS Register table due to the SQL error *sql_code*.

System action: Processing is terminated.

Programmer response: Refer to the *DB2 Messages and Codes* for an explanation of SQL error messages.

Correct the problem, and resubmit the job.

Severity: Error.

Module: EKYF300X

EKYF040E **UNABLE TO MAKE CAF CONNECTION TO DB2 SUBSYSTEM** *subsystem*
RETURN CODE: *return_code* **REASON CODE:** *reason_code* **SEE THE DB2 MESSAGES AND CODES MANUAL FOR AN EXPLANATION OF THE REASON CODES**

Explanation: The Receiver call to DSNALI to perform a CAF connection resulted in the return code *return_code* and reason code *reason_code*.

Severity: Error.

System action: Processing is terminated.

Programmer response: Refer to the *DB2 Messages and Codes* for an explanation of the reason code.

Correct the error, and resubmit the Receiver.

Module: EKYF000X

EKYF041E **UNABLE TO OPEN PLAN** *plan-name* **IN DB2 SUBSYSTEM** *subsystem id*
RETURN CODE: *return_code* **REASON CODE:** *reason_code* **SEE THE DB2 MESSAGES AND CODES MANUAL FOR AN EXPLANATION OF THE REASON CODES**

Explanation: The Receiver call to DSNALI to perform a CAF plan open resulted in the return code *return_code* and reason code *reason_code*.

Severity: Error.

System action: Processing is terminated.

Programmer response: Refer to the *DB2 Messages and Codes* for an explanation of the reason code. Correct the error, and resubmit the Receiver.

Module: EKYF000X

EKYF042E **UNABLE TO MAKE CAF DISCONNECT FROM DB2 SUBSYSTEM** *subsystem id*
RETURN CODE: *return code* **REASON CODE:** *reason code* **SEE THE DB2 MESSAGES AND CODES MANUAL FOR AN EXPLANATION OF THE REASON CODES**

Explanation: The Receiver call to DSNALI to perform a CAF disconnect returned the return code *return_code* and reason code *reason_code*.

Severity: Error.

System action: Processing is terminated.

Programmer response: Refer to the *DB2 Messages and Codes* for an explanation of the reason code.

Module: EKYF000X

EKYF043I **A COMMIT RECORD HAS BEEN FOUND WITH A TIMESTAMP VALUE THAT IS GREATER THAN THE TIMESTAMP ENTERED ON THE CONTROL STATEMENTS - THE RECEIVER ENDS NORMALLY**

Explanation: A commit record has been found with a timestamp that is greater than the timestamp entered on the control statements.

Severity: Information.

System action: Processing ends normally.

Programmer response: None.

Module: EKYF000X

EKYF045E RECEIVER CONTROL STATEMENT MISSING

Explanation: The EKYRIDS data set must contain at least one RECEIVER control statement.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check that the data set assigned to the EKYRIDS *dd_name* in the Receiver JCL contains a RECEIVER control statement.

Module: EKYF200X

EKYF046E PRDS CONTROL STATEMENT MISSING

Explanation: The EKYRIDS data set must contain one and only one PRDS control statement.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check that the data set assigned to the EKYRIDS *dd_name* in the Receiver JCL contains a PRDS control statement

Module: EKYF200X

EKYF047E COMMCNT VALUE ON RECEIVER CONTROL STATEMENT MUST BE GREATER THAN 0

Explanation: Only integers greater than zero and containing 4 or less digits can be entered in the COMMCNT keyword.

Severity: Error.

System action: Processing is terminated.

Programmer response: Correct the COMMCNT value in the RECEIVER control statement in the data set assigned to the EKYRIDS *dd_name* before resubmitting the Receiver.

Module: EKYF200X

EKYF048E NEXTPRDS VALUE ON PRDS CONTROL STATEMENT MUST BE GREATER THAN 0

Explanation: Only integers greater than zero that contain up to 9 digits can be entered in the NEXTPRDS keyword.

Severity: Error.

System action: Processing is terminated.

Programmer response: Fix the NEXTPRDS value in the PRDS control statement in the data set assigned to the EKYRIDS *dd_name*.

Module: EKYF200X

EKYF049E ID= OPERAND MUST BE SPECIFIED WHEN THE STOP=TSM OPERAND IS SPECIFIED ON THE PRDS CONTROL STATEMENT

Explanation: An ID= operand was expected but not found.

Severity: Error.

System action: Processing is terminated.

Programmer response: Either:

- Add ID=*timestamp id* to the PRDS control statement.
- Change STOP=TSM to STOP=END or STOP=*timestamp value*.

Module: EKYF200X

EKYF050E INVALID PRDS WITH DSNAME *dataset_name* NO TRAILER RECORD FOUND

Explanation: Each PRDS to be processed by the Receiver should have a trailer record in a prescribed format. The Selector writes this record and it indicates that the Selector completed successfully.

Severity: Error.

System action: Processing is terminated. None of the updates in the PRDS are committed to DB2.

Programmer response: Check that the PRDS with the given data set name contains a valid trailer record. Refer to the *IMS DataPropagator Reference* for information about the format of valid trailer records. If the:

- Selector and Receiver are on separate sites, check that the complete PRDS has been transmitted successfully. If this is not the case, run the Selector again.
- PRDS does not have a valid trailer record, check that the Selector run that created the PRDS completed successfully. If not, transmit the complete PRDS again.

Module: EKYF000X

EKYF051E INVALID PRDS WITH DSNAME *dataset_name* A TRAILER RECORD IS FOLLOWED BY FURTHER RECORDS

Explanation: Each PRDS to be processed by the Receiver should contain only one trailer record. The Selector writes this record and it provides an indication that the Selector completed successfully.

Severity: Error.

System action: Processing is terminated. None of the updates in the PRDS are committed to DB2.

Programmer response: Check the following:

- The output from the Selector run that created the named PRDS.
- That the Selector run completed successfully.
- That only one PRDS is contained in the data set specified.

Module: EKYF000X

EKYF052E INVALID PRDS WITH DSNAME
dataset_name **THE TIMESTAMP**
timestamp **IN THE TRAILER RECORD IS**
NOT ISO/DB2 FORMAT

Explanation: Each PRDS to be processed by the Receiver should have a trailer record in a prescribed format. The Selector writes this record and it provides an indication that the Selector completed successfully.

Severity: Error.

System action: Processing is terminated. None of the updates in the PRDS are committed to DB2.

Programmer response: Check that the PRDS with the given data set name has a valid ISO/DB2 timestamp in the trailer record in the format

YYYY-MM-DD-HH.MM.SS.ttttt.

Refer to the *IMS DataPropagator Reference* for information about the format of valid trailer records. If the:

- Selector and Receiver are on separate sites, check that the complete PRDS has been transmitted successfully. If this is not the case, rerun the Selector.
- PRDS does not have a valid trailer record, check that the Selector run that created the PRDS completed successfully. If not, transmit the complete PRDS again.

Module: EKYF000X

EKYF053W NO REGISTERED PRDS FOUND FOR
GROUPID *group_id* **AND SEQUENCE**
NUMBER *sequence_number*

Explanation: The Receiver can only process PRDSs that have been registered. The Receiver has established the group identifier *group_id* and sequence number of the next PRDS to process but cannot find any registered PRDS containing these values in its' header record.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check:

- The output from the Selector run that created the named PRDS.
- That the Selector run completed successfully.

- That the PRDS has been successfully transported to the Receiver site and correctly registered by the PRU.

Module: EKYF300X

EKYF054E AN INCOMPLETE LOG RECORD
EXISTS IN PRDS *dataset_name*
PROPAGATION TERMINATED

Explanation: If IMS does not have enough space to write a log record, it sets a flag within the record. The Receiver stops processing immediately when it encounters this flag.

Severity: Error.

System action: Processing is terminated. Updates have been committed to the last DB2 commit point.

Programmer response: As IMS has not logged all changes, the only way to ensure synchronization is to:

1. Rerun a full extract from IMS.
2. Reload the DB2 tables.
3. Restart propagation.

Refer to the *IMS/ESA Customization Guide* for information about reducing the size of IMS log records. Refer to the appropriate Administrators Guide for your propagation mode for details about DB2 commit points.

Module: EKYF000X

EKYF055E UNABLE TO LOAD MODULE
module_name **WHICH IS NEEDED TO**
GET THE DEFAULT DB2 SUBSYSTEM
ID

Explanation: The Receiver needs to load the named DB2 module in order to establish the default subsystem identifier.

Severity: Error.

System action: Processing is terminated.

Programmer response: Contact your DB2 system administrator to determine why a DB2 load module cannot be loaded dynamically.

Module: EKYF200X

EKYF056W, NO REGISTERED PRDS FOUND FOR
GROUPID *group identifier* **AND**
SEQUENCE NUMBER *sequence number*.
HOWEVER AT LEAST ONE PRDS WITH
A GREATER SEQUENCE NUMBER HAS
BEEN REGISTERED FOR THE GROUP.
CHECK THAT EACH REQUIRED PRDS
HAS BEEN REGISTERED
SUCCESSFULLY

Explanation: The Receiver processes PRDSs according to their sequence numbers. A PRDS may be

missing or not registered as a PRDS is registered for a sequence number but no PRDSs are registered for a lower sequence number.

Severity: Warning.

System action: Processing ends normally.

Programmer response: Check that all the PRDSs generated by the Selector are available on the Receiver site and that they are registered.

Module: EKYF300X

**EKYF057W, THE FIRST COMMIT RECORD FOUND
HAS A TIMESTAMP VALUE GREATER
THAN THE TIME STAMP ENTERED ON
THE CONTROL STATEMENTS - NO
PROPAGATION TOOK PLACE**

Explanation: The commit record encountered by the system has a timestamp greater than the timestamp entered on the control statements.

Severity: Warning.

System action: Processing ends. A rollback of uncommitted records occurs.

Programmer response: Check the timestamp on the control statements to verify that the stop time is correct for the propagation request.

**EKYF100I RECEIVER EXECUTED
SUCCESSFULLY FOR GROUP *group_id***

Explanation: The Receiver completed successfully.

Severity: Information.

System action: Processing completes.

Programmer response: None.

Module: EKYF000X

EKYF200I RECEIVER EXECUTION FAILURE

Explanation: The Receiver encountered one or more errors.

Severity: Error.

System action: Processing is terminated.

Programmer response: Check any previously messages issued to determine the reason for the error. Correct the cause of the error and rerun the Receiver

Module: EKYF000X

Chapter 8. DPROPGEN messages

EKYG001E EKYGJCL MUST BE DEFINED AS FIRST MACRO IN THE INPUT SOURCE, MACRO DEFINITION IGNORED

Explanation: You must provide the EKYGJCL macro as the first macro in the input job stream, because it sets up the job statement for the program to be run during stage two of DPROPGEN.

Severity: Error.

System programmer response: Place the EKYGJCL macro at the beginning of the input source.

Module: EKYGJCL

EKYG002E MANDATORY KEYWORD 'JCL=' IS MISSING

Explanation: The JCL= keyword must be included in the EKYGJCL macro. It must be followed by the entire job statement, or part of it if other EKYGJCL macros are used for part of the job statement.

Severity: Error.

System programmer response: Add the JCL= keyword followed by either the job statement, or a part of the job statement if other EKYGJCL macros include part of that job statement.

Module: EKYGJCL

EKYG003E JCL= VALUE HAS WRONG LENGTH

Explanation: The value following the JCL= keyword cannot be processed as valid JCL.

Severity: Error.

System programmer response: Refer to JCL documentation for information on the length of statements and JCL keyword and value formats.

Module: EKYGJCL

EKYG004E ONLY 1 EKYGSYS MACRO DEFINITION ALLOWED, MACRO DEFINITION IGNORED

Explanation: If this is not the first EKYGSYS macro, it is ignored. Only one is allowed.

Severity: Error.

System programmer response: Delete the macro after the first.

Module: EKYGSYS

EKYG005E EKYGJCL MACRO NOT PREVIOUSLY DEFINED

Explanation: You must define the EKYGJCL macro as the first macro in the input job stream. Refer to *Installation* for more details.

Severity: Error.

System programmer response: Define the EKYGJCL macro before defining any other DPROP macro.

Module: EKYGSYS

EKYG006E SVCNO= KEYWORD IS MISSING OR VALUE NOT DEFINED

Explanation: The SVC= keyword is required on the EKYGSYS macro.

Severity: Error.

System programmer response: Add the keyword and a valid value.

Module: EKYGSYS

EKYG007E SVCNO= HAS INVALID NUMBER SPECIFIED

Explanation: The SVCNO= value must be within a specific range. Refer to *Installation* for more details.

Severity: Error.

System programmer response: Replace the value with one within the proper range.

Module: EKYGSYS

EKYG008E SQLDLM= HAS INVALID VALUE SPECIFIED

Explanation: The SQL string delimiter (SQLDLM=) must contain one of two possible values.

Severity: Error.

System programmer response: Place a valid string delimiter after the SQLDLM= keyword.

Module: EKYGSYS

EKYG009E SQLDLM= KEYWORD IS MISSING OR VALUE NOT DEFINED

Explanation: A defined value should be placed after the SQLDLM= keyword.

Severity: Error.

System programmer response: Check *Installation* for valid values.

Module: EKYGSYS

EKYG010E ILOGREC= KEYWORD IS MISSING OR VALUE NOT DEFINED

Explanation: The IMS record code used to write DPROP information into the IMS is mandatory.

Severity: Error.

System programmer response: Specify the IMS log record code during IMS SYSGEN, before installing DPROP.

Module: EKYGSYS

EKYG011E ILOGREC= HAS INVALID VALUE SPECIFIED

Explanation: The ILOGREC= keyword value must be a valid IMS log record code.

Severity: Error.

System programmer response: Check the *IMS/ESA Operations Guide* for valid log record code formats.

Module: EKYGSYS

EKYG012E SMFREC= KEYWORD IS MISSING OR VALUE NOT DEFINED

Explanation: The SMFREC= value must be a valid SMF record code, so that DPROP audit trail information can be written to SMF.

Severity: Error.

System programmer response: Check SMF documentation for valid code formats.

Module: EKYGSYS

EKYG013E SMFREC= HAS INVALID NUMBER SPECIFIED

Explanation: The SMF record code has an invalid number.

Severity: Error.

System programmer response: Refer to SMF documentation for proper record code formats.

Module: EKYGSYS

EKYG014E AT LEAST 1 VALUE MUST BE SPECIFIED ON ROUTCDE= KEYWORD

Explanation: Either one, or a list of route codes must be specified on the ROUTCDE= keyword, so that DPROP can write messages to the MVS consoles.

Severity: Error.

System programmer response: Supply at least one route code.

Module: EKYGSYS

EKYG015E ROUTCDE= HAS TOO MANY ROUTE CODES SPECIFIED

Explanation: There are too many route codes listed on this keyword.

Severity: Error.

System programmer response: See *Installation* for more information.

Module: EKYGSYS

EKYG016E PRSET= KEYWORD IS MISSING OR VALUE NOT DEFINED

Explanation: The PRSET= keyword must contain a value to be used by MVG as a default.

Severity: Error.

System programmer response: Supply a proper PRSET name.

Module: EKYGSYS

EKYG017E PRSET= VALUE HAS INVALID LENGTH

Explanation: The length of the PRSET name is invalid.

Severity: Error.

System programmer response: Refer to *Installation* for details.

Module: EKYGSYS

EKYG018E PRSET= HAS INVALID NAME SPECIFIED

Explanation: The name of the PRSET must be valid.

Severity: Error.

System programmer response: Refer to *Installation* for details.

Module: EKYGSYS

EKYG019E DATE= HAS INVALID VALUE SPECIFIED

Explanation: The DATE= keyword requires a specific format for the date.

Severity: Error.

System programmer response: Refer to *Installation* for more information.

Module: EKYGSYS

**EKYG020E DATE= KEYWORD IS MISSING OR
VALUE NOT DEFINED**

Explanation: The DATE= keyword value is mandatory.

Severity: Error.

System programmer response: Refer to *Installation* for details.

Module: EKYGSYS

EKYG021E TIME= HAS INVALID VALUE SPECIFIED

Explanation: The TIME= keyword must contain a value with a specific format.

Severity: Error.

System programmer response: Refer to *Installation* for more information.

Module: EKYGSYS

**EKYG022E TIME= KEYWORD IS MISSING OR
VALUE NOT DEFINED**

Explanation: The TIME= keyword value is mandatory.

Severity: Error.

System programmer response: Supply a properly formatted value on the TIME= keyword.

Module: EKYGSYS

**EKYG023E DBDV= KEYWORD IS MISSING OR
VALUE NOT DEFINED**

Explanation: The DBDV= keyword must contain a valid value.

Severity: Error.

System programmer response: Be sure the version given on the DBD macro during DBDGEN allows for a portion of the ID that RUP can check to test for DBD changes. Supply the proper DBD version ID information.

Module: EKYGSYS

**EKYG024E DBDV= MUST HAVE 2 VALUES
SPECIFIED**

Explanation: The value for DBDV= must include both a length and an offset.

Severity: Error.

System programmer response: Refer to *Installation* for details.

Module: EKYGSYS

**EKYG025E DBDV= HAS INVALID VALUE
SPECIFIED**

Explanation: The DBDV= values must be numbers within the range of the DBD version length.

Severity: Error.

System programmer response: Refer to *Installation* for more information.

Module: EKYGSYS

**EKYG026E EKYRESLB= KEYWORD IS MISSING
OR VALUE NOT DEFINED**

Explanation: The EKYRESLB= keyword value must be a fully qualified APF-authorized library name.

Severity: Error.

System programmer response: Supply a valid library name.

Module: EKYGSYS

**EKYG027E EKYRESLB= VALUE HAS INVALID
LENGTH**

Explanation: The length of the library name is invalid.

Severity: Error.

System programmer response: Refer to *Installation* for valid length information.

Module: EKYGSYS

**EKYG028E EKYRESLB= HAS INVALID NAME
SPECIFIED**

Explanation: The library name must be a fully qualified APF-authorized library name.

Severity: Error.

System programmer response: Refer to *Installation* for proper name format.

Module: EKYGSYS

**EKYG029E EKYGSYS MACRO NOT PREVIOUSLY
DEFINED**

Explanation: The EKYGSYS macro is missing or out of sequence.

Severity: Error.

System programmer response: Refer to *Installation* for more information.

Module: EKYGDPR

EKYG030E PROP= HAS INVALID VALUE SPECIFIED

Explanation: The PROP= keyword value must specify synchronous or asynchronous propagation.

Severity: Error.

System programmer response: Refer to *Installation* for details.

Module: EKYGDPR

EKYG031E PROP= KEYWORD IS MISSING OR VALUE NOT DEFINED

Explanation: You must supply information about whether synchronous or asynchronous propagation will be performed.

Severity: Error.

System programmer response: Refer to *Installation* for more information.

Module: EKYGDPR

EKYG032E SNAME= KEYWORD IS MISSING OR VALUE NOT DEFINED

Explanation: This keyword is mandatory because it contains the DPROP system name.

Severity: Error.

System programmer response: Add the keyword and valid value to the EKYGDPR macro.

Module: EKYGDPR

EKYG033E SNAME= VALUE HAS INVALID LENGTH

Explanation: The SNAME= value must be 1 - 8 characters long.

Severity: Error.

System programmer response: Supply a valid DPROP system name.

Module: EKYGDPR

EKYG034E SNAME= HAS INVALID NAME SPECIFIED

Explanation: The first character of the DPROP system name must be alphabetic; the rest of the name can be alphabetic or numeric.

Severity: Error.

System programmer response: Supply a properly formatted system name.

Module: EKYGDPR

EKYG035E TQUAL= KEYWORD IS MISSING OR VALUE NOT DEFINED

Explanation: The table qualifier name must be a valid qualifier name used for the DPROP directory tables.

Severity: Error.

System programmer response: Supply the TQUAL= keyword and a valid value.

Module: EKYGDPR

EKYG036E TQUAL= VALUE HAS INVALID LENGTH

Explanation: The length of the TQUAL= value is invalid.

Severity: Error.

System programmer response: Refer to *Installation* for more information.

Module: EKYGDPR

EKYG037E TQUAL= HAS INVALID NAME SPECIFIED

Explanation: The table qualifier name must follow DB2 naming conventions.

Severity: Error.

System programmer response: Refer to the *DB2 SQL Reference* for more information.

Module: EKYGDPR

EKYG038E VLFCLASS= KEYWORD IS MISSING OR VALUE NOT DEFINED

Explanation: The VLFCLASS= keyword is mandatory and must be included in the EKYGDPR macro.

Severity: Error.

System programmer response: Provide the VLFCLASS= keyword and a valid value.

Module: EKYGDPR

EKYG039E VLFCLASS= VALUE HAS INVALID LENGTH

Explanation: The VLFCLASS= value must be 7 characters long.

Severity: Error.

System programmer response: Provide a value with the proper length.

Module: EKYGDPR

EKYG040E VLFCLASS= HAS INVALID NAME SPECIFIED

Explanation: The VLF class name must begin with a letter within the range J through Z, followed by 1 - 6 alphanumeric characters.

Severity: Error.

System programmer response: Provide a valid VLF class name.

Module: EKYGDPR

EKYG041E STATF= KEYWORD IS MISSING OR VALUE NOT DEFINED

Explanation: The STATF= keyword is mandatory and must specify the status file data set name.

Severity: Error.

System programmer response: Provide the STATF= keyword and a valid value.

Module: EKYGDPR

EKYG042E STATF= VALUE HAS INVALID LENGTH

Explanation: The length of the STATF= value is invalid. It must conform to MVS naming conventions.

Severity: Error.

System programmer response: Provide a value with the proper length. Refer to the *OS/390 MVS JCL Reference* for data set naming conventions.

Module: EKYGDPR

EKYG043E STATF= HAS INVALID NAME SPECIFIED

Explanation: The status file data set name must conform to MVS data set naming conventions.

Severity: Error.

System programmer response: Refer to the *OS/390 MVS JCL Reference* for data set naming conventions.

Module: EKYGDPR

EKYG046E SNAME=sname PREVIOUSLY DEFINED

Explanation: The DPROP system name given as the value for this keyword has previously been defined.

Severity: Error.

System programmer response: Define a unique DPROP system name.

Module: EKYGDPR

EKYG047E STATF=statf PREVIOUSLY DEFINED

Explanation: The status data set name has already been defined.

Severity: Error.

System programmer response: Define a unique status data set name.

Module: EKYGDPR

EKYG048E TQUAL=tqual PREVIOUSLY DEFINED

Explanation: The table qualifier name has already been defined.

Severity: Error.

System programmer response: Delete the duplicate table qualifier name.

Module: EKYGDPR

EKYG049E VLFCLASS=vlfclass PREVIOUSLY DEFINED

Explanation: The VLF class was previously defined.

Severity: Error.

System programmer response: Delete the duplicate information.

Module: EKYGDPR

EKYG050E MAXIMUM NUMBER OF EKYGDPR MACROS YOU CAN SPECIFY IS 999

Explanation: There are too many EKYGDPR macros.

Severity: Error.

System programmer response: delete unnecessary ones. Check for duplicate macros; delete unnecessary ones.

Module: EKYGDPR

EKYG051E EKYGJCL MACRO IS MISSING OR INVALID

Explanation: You must provide an EKYGJCL macro for a job statement to be generated for stage 2 of DPROGEN.

Severity: Error.

System programmer response: Provide an EKYGJCL macro in the input stream.

Module: EKYGEN

EKYG052E EKYGSYS MACRO IS MISSING OR INVALID

Explanation: The EKYGSYS macro must be part of the input stream.

Severity: Error.

System programmer response: Add an EKYGSYS macro with valid keywords and values.

Module: EKYGEN

EKYG053E EKYGDPR MACRO IS MISSING OR INVALID

Explanation: The EKYGDPR macro must be part of the input stream.

Severity: Error.

System programmer response: Provide an EKYGDPR macro with valid keywords and values.

Module: EKYGEN

EKYG054E SNR= KEYWORD IS MISSING OR VALUE NOT DEFINED

Explanation: The SNR= keyword is required on the EKYGDPR macro.

Severity: Error.

System programmer response: Add the keyword and a valid value.

Module: EKYGDPR

EKYG055E SNR= HAS INVALID NUMBER SPECIFIED

Explanation: The SNR= value must be a number in the range of 1 to 999.

Severity: Error.

System programmer response: Replace the value with one within the proper range.

Module: EKYGDPR

EKYG056E SUBX= VALUE HAS INVALID LENGTH

Explanation: The length of the SUBX name is invalid.

Severity: Error.

System programmer response: Refer to *Installation* for details.

Module: EKYGDPR

EKYG057E SUBX= HAS INVALID NAME SPECIFIED

Explanation: The SUBX name is invalid.

Severity: Error.

System programmer response: Refer to *Installation* for details.

Module: EKYGDPR

EKYG058E SNR= number PREVIOUSLY DEFINED

Explanation: The DPROP system number has already been defined.

Severity: Error.

System programmer response: Define a unique DPROP system number.

Module: EKYGDPR

EKYG059E SUBSYS= KEYWORD IS MISSING OR VALUE NOT DEFINED

Explanation: The SUBSYS= keyword is required on the EKYGSYS macro.

Severity: Error.

System programmer response: Add the keyword and a valid value.

Module: EKYGSYS

EKYG060E SUBSYS= VALUE HAS INVALID LENGTH

Explanation: The length of the SUBSYS name is invalid.

Severity: Error.

System programmer response: Refer to *Installation* for details.

Module: EKYGSYS

EKYG061E SUBSYS= HAS INVALID NAME SPECIFIED

Explanation: The SUBSYS name is invalid.

Severity: Error.

System programmer response: Refer to *Installation* for details.

Module: EKYGSYS

EKYG062E ROUTCDE= HAS INVALID VALUE SPECIFIED

Explanation: The ROUTCDE= values must be a number in the range of 1 to 16.

Severity: Error.

System programmer response: Replace the value(s) with one within the proper range.

Module: EKYGSYS

EKYG063E GEN= HAS INVALID VALUE SPECIFIED

Explanation: The GEN= keyword value must specify 'y' or 'n'

Severity: Error.

System programmer response: Refer to *Installation* for details.

Module: EKYGDPR

EKYG064E GEN= KEYWORD IS MISSING OR VALUE NOT DEFINED

Explanation: You must supply information about whether the DPROP system has to be newly generated or not.

Severity: Error.

System programmer response: Refer to *Installation* for more information.

Module: EKYGDPR

EKYG065E DB2SYS= KEYWORD IS MISSING OR VALUE NOT DEFINED

Explanation: The DB2SYS= keyword is required on the EKYGDPR macro.

Severity: Error.

System programmer response: Add the keyword and a valid value.

Module: EKYGDPR

EKYG066E DB2SYS= VALUE HAS INVALID LENGTH

Explanation: The length of the DB2SYS name is invalid.

Severity: Error.

System programmer response: Refer to *Installation* for details.

Module: EKYGDPR

EKYG067E DB2SYS= HAS INVALID NAME SPECIFIED

Explanation: The DB2SYS name is invalid.

Severity: Error.

System programmer response: Refer to *Installation* for details.

Module: EKYGDPR

Chapter 9. Hierarchical Update Program (HUP) messages

EKYH000E HUP INVOKED WITH AN INVALID NUMBER OF PARAMETERS

Explanation: This is an internal IMS DPROP error. The HUP expects a specific number of parameters. When the HUP was invoked, the number of parameters passed was not correct.

Severity: Error.

System action: The HUP issues an abend.

System programmer response: Call IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYH000X

EKYH001E HUP INVOKED WITH INVALID OR MISSING INTERNAL INTERFACE

Explanation: This is an internal IMS DPROP error. When invoked by a DPROP utility, the HUP expects to receive an internal interface control block. This control block was not passed to the HUP by either the CCU or DLU.

Severity: Error.

System action: The HUP issues an abend.

System programmer response: Call IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYH000X

EKYH002E HUP INVOKED WITH INVALID OR MISSING SQLCA

Explanation: This is an internal IMS DPROP error. The HUP expects to receive at entry the address of an SQL communication area. This parameter was not correctly passed to the HUP.

Severity: Error.

System action: The HUP issues an abend.

System programmer response: Call IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYH000X

EKYH003E HUP INVOKED WITHOUT STORAGE ANCHOR BLOCK ADDRESS

Explanation: This is an internal IMS DPROP error. The HUP expects to receive at entry the address of a

storage anchor block. This parameter was not correctly passed to the HUP.

Severity: Error.

System action: The HUP issues an abend.

System programmer response: Call IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYH000X

EKYH004E HUP INVOKED WITH INVALID OR MISSING DPROP INITIALIZATION ANCHOR

Explanation: This is an internal IMS DPROP error. The HUP expects to receive at entry the address of a storage anchor block. The first word of this area:

- Is zero the first time the HUP is called, or
- Contains the address of the DPROP PTD control block during later calls of the HUP (DPROP stores this address in the storage anchor block when the HUP is first called)

However, the content of this first word was not zero, and it did not point to the PTD control block.

Severity: Error.

System action: The HUP issues an abend.

System programmer response: Call IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYH000X

EKYH005E UNSUCCESSFUL AIB INQUIRY CALL

Explanation: The first time the HUP is invoked, it issues an AIB INQY call to extract the environment information before initializing the DPROP environment. This AIB INQY call was not successful.

Severity: Error.

System action: The HUP issues an abend.

User response: Be sure that the job step invoking the HUP runs in an IMS environment. If the environment is correct, report the problem to the system programmer.

System programmer response: Call IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYH000X

EKYH006E DPROP SYSTEM INITIALIZATION FAILURE

Explanation: DPROP initialization failed.

Severity: Error.

System action: The HUP issues an abend.

System programmer response: Check for other messages issued by the failing job step to determine the reason for the initialization failure.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. Save the dump.

Module: EKYH000X

EKYH010E DPROP SYSTEM INITIALIZATION FAILURE

Explanation: DPROP initialization failed.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check for other messages issued by the failing job step to determine the reason for the initialization failure.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH010X

**EKYH011E HUP PRCB IS MARKED AS INVALID OR FAILED TO BE RETRIEVED
TABLEQUAL=*qualifier*
TABLENAME=*tablename***

Explanation: The HUP read a HUP PRCB (HUP Propagation Control Block) that was flagged as invalid. The invalid HUP PRCB should be used to propagate the table identified in the message.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check for other messages issued by the failing job step to determine the reason for the failure.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH010X

**EKYH012E 'PROP OFF' HAS NOT BEEN ALLOWED TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*
PRSET=*prset***

Explanation: The //EKYIN data set allocated to the job step contains a PROP OFF control statement. However, using PROP OFF for the identified PR was not previously allowed by calling the SCU with ALLOWPROPOFF control statements.

PROP OFF control statements are normally used to execute database or table repair programs.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

User response:

- If the failing job step should be executed *with* a PROP OFF control statement (without propagating the changed data), run the SCU with appropriate ALLOWPROPOFF control statements.
- If the failing job step should be executed *without* a PROP OFF control statement, remove the PROP OFF control statement from the //EKYIN data set.

Module: EKYH010X

**EKYH013E PR IS SUSPENDED BUT NO 'PROP SUSP' SPECIFIED
TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*
PRSET=*prset***

Explanation: The identified PR is flagged as suspended in the DPROP directory. However, the //EKYIN data set of the current job step does not contain a PROP SUSP control statement indicating that the current job step should be executed while the PR is suspended.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

User response:

- If the currently executing job step should be executed while the PR is suspended, the //EKYIN data set should contain a PROP SUSP control statement requesting that the job step be executing only when the PR is suspended.
- If the job step should *not* be executed while the PR is suspended, then use the SCU to remove the suspension from the DPROP directory for the identified PR.

Operator response: Determine whether the currently executing job step should be executed while the identified PR is suspended.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH010X

EKYH014E UNQUALIFIED HUP PRCB ALREADY USED FOR A DIFFERENT TABLE WITHIN SAME SCHEDULING
TABLEQUAL=qualifier
TABlename=tablename HUP PRCB WAS PREVIOUSLY USED FOR
TABLEQUAL=qualifier

Explanation: This is a user implementation error. Within a single IMS scheduling, application programs try to update two different tables (with the same table name but different table qualifiers) being propagated by the same unqualified PR. This is rejected by DPROP, because both tables would propagate to the same DBD/segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Ensure that applications do not use the same unqualified PR for two different tables within the same IMS scheduling:

- Be sure that the application structure is correct
- If the application structure is correct and needs to update two different tables (with the same name and different qualifiers), then use multiple qualified PRs in the DPROP directory

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH010X

EKYH015E EKYHUP00 INVOKED BY DPROP UTILITY WITHOUT DB2 ROW DESCRIPTION

Explanation: This is an internal DPROP error. A DPROP utility invoked the HUP without passing the required DB2 row description.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH010X

EKYH016E EKYHUP00 INVOKED BY DPROP UTILITY WITHOUT DB2 ROW DATA

Explanation: This is an internal DPROP error. A DPROP utility invoked the HUP without passing the required DB2 row data.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH010X

EKYH017E EKYHUP00 INVOKED FOR UNSUPPORTED PROPAGATION ENVIRONMENT RUP/HUP ENVIRONMENT FLAG IS flag

Explanation: This is an internal DPROP error. The HUP was invoked from an unsupported environment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH010X

EKYH018E UNSUPPORTED OPERATION CODE FOR UTILITY CALL
TABLEQUAL=qualifier
TABlename=tablename
OPERATION=opcode

Explanation: This is an internal DPROP error. A

DPROP utility invoked the HUP, but the passed operation code is not supported for such calls.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH010X

EKYH019E LE/370 CEEPIPI END_SEQ RETURNED WITH RC=returncode

Explanation: A DPROP module issued a CEEPIPI 'END_SEQ' call to signal the end of a series of subroutine calls. The CEEPIPI call failed with the identified return code.

The return code values have the following meaning:

- 4** DPROP called CEEPIPI with an invalid function code
- 8** The LE/370 environment was already active
- 16** DPROP called CEEPIPI with an invalid token
- 20** DPROP called CEEPIPI with a token different from the token used in a START_SEQ call

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: If LE/370 issued additional messages, they may help you understand the failure.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH010X

EKYH020E ERROR WHILE ACCESSING THE DPROP STATUS FILE

Explanation: The HUP encountered an error while attempting to read the record of the DPROP status file.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check for previous error messages issued by the same job step.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH020X

EKYH021E IFI CALL RETURNED UNEXPECTED RETURN OR REASON CODE IFCA RETURN CODE=returncode IFCA REASON CODE=reason code

Explanation: The IFI READS call issued by HUP to access captured data returned an unexpected return or reason code.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check for previous error messages issued by the same job step.

System programmer response: Call the IBM Software Support for assistance.

Problem determination: Refer to DB2 Administration Guide and DB2 Messages and Codes for an explanation of the IFCA return and reason codes.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH020X

EKYH022E IFI CALL RETURNED NO DATA TO PROCESS IFCA RETURN CODE=returncode IFCA REASON CODE=reason code

Explanation: The IFI READS call issued by the HUP to access captured data returned no data to process, although this condition was not signaled in the return and reason code.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check for previous error messages issued by the same job step.

Call the IBM Software Support for assistance.

Problem determination: Refer to the *DB2 Administration Guide* and the *DB2 Messages and*

Codes for an explanation of the IFCA return and reason codes.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH020X

EKYH023E IMS INQUIRY SERVICE CALL FAILED

Explanation: To extract IMS environment data, the HUP issues a DL/I INQY service call. This call returned an unexpected return or reason code. This message is followed by EKYZ380E, EKYZ381E or EKYZ382E, which further explain the significant fields of the AIB.

Severity: Error.

System action: Depends on the status code returned by IMS. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: Analyze the AIB status code provided in associated message EKYZ380E, EKYZ381E or EKYZ382E. See IMS/ESA Application Programming: EXEC DLI Commands for CICS® and IMS for a description of the DL/I status codes.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH020X

**EKYH024E DATA ROW FAILED TO BE RETURNED
BECAUSE OF DOWN-LEVEL
DESCRIPTION ERROR
TABLEQUAL=*qualifier*
TABLENAME=*tablename* REASON
CODE=*reason code***

Explanation: This is an internal error. The IFI READS call issued by the HUP to access captured data failed because of a down-level description error.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Refer to the *DB2 Administration Guide* and the *DB2 Messages and Codes* for an explanation of the IFCA reason codes.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH020X

**EKYH025E DATA ROW FAILED TO BE RETURNED
BECAUSE OF DB2 FIELD/EDIT
PROCEDURE ERROR
TABLEQUAL=*qualifier*
TABLENAME=*tablename* REASON
CODE=*reason code***

Explanation: The IFI READS call issued by the HUP to access captured data failed because a DB2 field or edit procedure returned with errors.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check your field or edit procedure implemented in DB2 for correct processing.

Problem determination: Analyze associated message EKYH981I and additional messages issued by DB2 or the field/edit procedure that encountered the error.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH020X

**EKYH026E DATA ROW OF UPDATE AFTER IMAGE
RETURNED WITHOUT BEFORE IMAGE
OR ROW TABLEQUAL=*qualifier*
TABLENAME=*tablename***

Explanation: This is an internal error. The IFI READS call returned only partial information for an SQL update operation. The HUP needs both the image of the row:

- *Before* the update was applied, and
- *After* the update was applied

Either DB2 returned only the after-image of the row, or the HUP was unable to locate the correct before-image.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH020X

EKYH027E UNABLE TO FIND DESCRIPTION OF RETURNED DATA ROW
TABLEQUAL=*qualifier*
TABlename=*tablename*

Explanation: This is an internal error. The HUP cannot locate the corresponding changed data capture data description (CDCDD) of a data row returned by DB2.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH020X

EKYH028E INVALID RECORD TYPE RETURNED BY IFI CALL

Explanation: This is an internal error. The record type of a data or description occurrence returned by the IFI call either is invalid or cannot be correctly identified by the HUP.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH020X

EKYH050E PR IS NOT SUSPENDED BUT 'PROP SUSP' SPECIFIED
TABLEQUAL=*qualifier*
TABlename=*tablename* **PR=***prid*
PRSET=*prset*

Explanation: The identified PR was not flagged in the DPROP directory as suspended. However, PROP SUSP control statements in the //EKYIN data set of the current job step indicate that the job step should be executed while the identified PR is suspended.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response:

- If you want the job step to execute while the identified PR is suspended, use the SCU to flag the appropriate PRs as suspended in the DPROP directory.
- If you don't want the job step to execute while the identified PR is suspended, remove the PROP SUSP control statements from the //EKYIN data set of the job step.

Operator response: Determine whether the currently executing job step should be executed while the identified PR is suspended.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH050X

EKYH051E PR IS SUSPENDED BUT NO 'PROP SUSP' SPECIFIED
TABLEQUAL=*qualifier*
TABlename=*tablename* **PR=***pr*
PRSET=*prset*

Explanation: The identified PR is flagged in the DPROP directory as suspended. However, the //EKYIN data set of the current job step does not contain a PROP SUSP control statement indicating that the current job step should be executed while the PR is suspended.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response:

- If you want the currently executing job step to execute while the identified PR is suspended, the //EKYIN data set should contain a PROP SUSP control statement requesting that the job step be executed only when the PR is suspended.
- If you don't want the currently executing job step to execute while the identified PR is suspended, the job step should be executed when the PR is not marked as suspended in the DPROP directory.

Operator response: Determine whether the currently executing job step should be executed while the identified PR is suspended.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH050X

EKYH100E A DB2 PRIMARY KEY COLUMN
CHANGED ITS VALUE
TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*
COLUMN=*column* DBD=*dbdname*
SEGMENT=*segname* FIELD=*field*

Explanation: While propagating the update of rows, the HUP checks that all columns of the DB2 primary key are not changed. The value of the column identified in the message was changed.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Determine why the application changed the value of the column. If the application should not change the value of the column, correct the application. If the application should change the value of the column, consider changing the mapping definitions and table definitions so that no fields of the DB2 primary key are changed during update operations.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH100X

EKYH101E VALUE OF COLUMN OUT OF LIMITS
FOR BINARY CONVERSION
TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*
COLUMN=*column* DBD=*dbdname*
SEGMENT=*segment* FIELD=*field*

Explanation: For a target IMS field, which has the format of 1-, 2-, or 4-byte binary integer, the column indicated in the message must be converted to binary. The value of the column exceeds the limits for binary conversion. The supported range is between -2147483648 and +2147483647.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check the PR definitions.

Make sure that all fields have valid values. If necessary, correct the application programs and/or the DB2 table.

Problem determination: Save any trace records created by DPROP in the IMS log or on the

//EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH100X

EKYH102E VALUE OF COLUMN IS OUT OF
RANGE TO FIT IN REQUESTED
TARGET FIELD TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*
COLUMN=*column* DBD=*dbdname*
SEGMENT=*segment* FIELD=*field*

Explanation: The value of a numeric column does not fit into the target field of the IMS segment. The value of the column is either too small or too large for the IMS field.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check the PR definitions. Make sure that all fields have valid values. If necessary, correct the application programs or the DB2 table or both.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH100X

EKYH103E VALUE OF COLUMN DEFINED AS
ZONED IS NOT NUMERIC
TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*
COLUMN=*column*

Explanation: In the propagating PR, the column indicated in the message is defined as zoned. However, the contents of the column are not numeric.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check the PR definitions. Make sure that all fields have valid values. If necessary, correct the application programs and/or the PR definitions.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH100X

EKYH104E TARGET FIELD IS TOO SHORT TO
HOLD ALL SIGNIFICANT BYTES OF
SOURCE TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*
COLUMN=*column* DBD=*dbdname*
SEGMENT=*segment* FIELD=*field*

Explanation: The column indicated in the message is longer than its target field in the IMS segment. The part of the column that must be truncated contains bytes that are non-blank.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions. Make sure that all fields have valid values. If necessary, correct the application programs and/or the DB2 table.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH100X

EKYH105E INVALID VALUE FOR COLUMN
DEFINED AS TIME FORMAT
TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*
COLUMN=*column*

Explanation: The column indicated in the message is defined in the PR as time format. However, the HUP detected an invalid value for time fields.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions. Make sure that all fields have valid values.

System programmer response: Check whether storage was overlaid by non-IBM programs. If it was not, report the problem to IBM Software Support.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH100X

EKYH106E INVALID FIELD CONVERSION CODE IN
HUP PRCB TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*
COLUMN=*column*

Explanation: This is probably an internal DPROP error. The HUP detected an invalid value in the conversion type field of the HUP PRCB control block.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check whether storage was overlaid by non-IBM programs. If it was not, report the problem to IBM Software Support.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH100X

EKYH107E INVALID DEFAULT-VALUE
ASSIGNMENT CODE IN HUP PRCB
TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*
COLUMN=*column*

Explanation: This is probably an internal DPROP error. The HUP detected an invalid value in the field of the HUP PRCB, which is used to define the default value type.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check whether storage was overlaid by non-IBM programs. If it was not, report the problem to IBM Software Support.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH100X

EKYH108E COLUMN MAPPING TO VARIABLE
LENGTH FIELD WITH INCOMPATIBLE
LENFIELD TYPE TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*
COLUMN=*column* DBD=*dbdname*
SEGMENT=*segment* FIELD=*field*

Explanation: The column indicated in the message maps to a target field in the IMS segment that is defined

in the HUP PRCB as variable length. However, the corresponding length field has a format that is not usable for this purpose.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check the PR definitions. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH100X

EKYH109E ACTUAL DBD VERSION ID DOES NOT MATCH DBD VERSION ID DURING PR GENERATION
TABLEQUAL=qualifier
TABLENAME=tablename PR=prid
DBD=dbdname SEGMENT=segment

Explanation: The DBD version ID that was stored in the DPROP directory when the PR was created does not match the DBD version ID indicated by IMS.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Determine why the DBD version IDs do not match.

Check whether the PR definitions need to be modified to reflect changes performed in the DBD. If appropriate, recreate the PR after making any required modifications.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH100X

EKYH110I MESSAGE FROM FIELD LEVEL USER
EXIT=exitname message text
TABLEQUAL=qualifier
TABLENAME=tablename PR=prid
COLUMN=column

Explanation: This message contains information provided by the Field exit routine identified in the message.

Severity: Information.

System action: This depends on the return code

provided by the exit; typically the error is handled according to the HUP logic for “other” errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: For information on Field exit routines, see the appropriate Administrators Guide for your propagation mode.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH110X

EKYH111E LE/370 CEEPIPI CALL-SUB RETURNED WITH ERRORS WHEN INVOKING USER
EXIT=exitname RC=returncode
SRC=returncode SRSN=reason code
SFB=feedback code

Explanation: The CEEPIPI module of LE/370 returned to DPROP with the identified LE/370 return code in Register 15 (the LE/370 return code is printed in numerical format). This happened when the HUP called the identified User exit routine via the CEEPIPI CALL-SUB interface.

The message also contains the following information provided by LE/370:

- Subroutine return code
- Subroutine reason code
- Subroutine feedback code

Each of the above are printed in hexadecimal format.

This message is followed by the EKYH980I message, which identifies the table qualifier, the table name and the PR currently in process.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Problem determination: Refer to the *IBM SAA AD/Cycle Language Environment/370 Programming Guide* and the for an explanation of the LE/370 return code, the subroutine return code, the subroutine reason code, and the subroutine feedback code. In particular, refer to the description of the CEEPIPI CALL-SUB function in the *IBM SAA AD/Cycle Language Environment/370 Programming Guide*.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH110X

**EKYH112E LE/370 CEEPIPI START_SEQ
RETURNED WITH RC=returncode**

Explanation: Module EKYH110X issued a CEEPIPI START_SEQ call to signal the start of a series of subroutine calls. The CEEPIPI call failed with the identified return code.

The return code values have the following meaning:

- 4** DPROP called CEEPIPI with an invalid function code.
- 8** The LE/370 environment was already active
- 16** DPROP called CEEPIPI with an invalid token

This message is followed by the EKYH980I message, which identifies the table qualifier, the table name and the PR currently in process.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: If LE/370 issued additional messages, they may help you understand the failure.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH110X

**EKYH113E UNEXPECTED RETURN CODE FROM
FIELD LEVEL EXIT**

Explanation: The Field exit routine invoked by module EKYH110X returned an invalid return code.

This message is followed by the EKYH982I message, which identifies the table qualifier, the table name, the PR and column currently in process, and the name of the Field exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Ensure that the Field exit routine works properly and returns only acceptable return codes.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH110X

**EKYH114E FIELD LEVEL EXIT ENCOUNTERED
MAPPING ERROR**

Explanation: The Field exit routine encountered a mapping error.

This message is followed by the EKYH982I message, which identifies the table qualifier, the table name, the PR and column currently in process, and the name of the Field exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

User response: The Field exit routine may have returned messages, which are issued in message EKYH110I. This message can help you to understand the problem encountered by the exit routine.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH110X

**EKYH115E UNEXPECTED FIELD LENGTH
RETURNED BY FIELD LEVEL EXIT**

Explanation: The Field exit routine returned an invalid field length. Examples of invalid field lengths are:

- A negative length
- For a fixed-length field, a length different from the defined fixed length
- For a variable-length field, a length larger than the defined maximum field length

This message is followed by the EKYH982I message, which identifies the table qualifier, the table name, the PR and column currently in process, and the name of the Field exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Ensure that the Field exit routine returns correct field lengths.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH110X

EKYH120I MESSAGE FROM SEGMENT LEVEL
USER EXIT=*exitname message text*
TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*
DBD=*dbdname* SEGMENT=*segment*

Explanation: This message contains information provided by the Segment exit routine identified in the message.

Severity: Information.

System action: This depends on the return code provided by the exit; typically the error is handled according to the HUP logic for “other” errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: For information on Segment exit routines, see the appropriate Administrators Guide for your propagation mode and the *IMS DataPropagator Customization Guide*.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH120X

EKYH121E LE/370 CEEPIPI CALL-SUB RETURNED
WITH ERRORS WHEN INVOKING USER
EXIT=*exitname* RC=*returncode*
SRC=*return code* SRSN=*reason code*
SFB=*feedback code*

Explanation: The CEEPIPI module of LE/370 returned to DPROP with the identified LE/370 return code in Register 15 (the LE/370 return code is printed in numerical format). This happened when the HUP called the identified User exit routine via the CEEPIPI CALL-SUB interface.

The message also contains the following information provided by LE/370:

- Subroutine return code
- Subroutine reason code
- Subroutine feedback code

All are printed in hexadecimal format.

This message is followed by the EKYH980I message, which identifies the table qualifier, the table name and the PR currently in process.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Problem determination: Refer to the *IBM SAA AD/Cycle Language Environment/370 Programming Guide* for an explanation of the LE/370 return code, the

subroutine return code, the subroutine reason code, and the subroutine feedback code. In particular, refer to the description of the CEEPIPI CALL-SUB function in the *IBM SAA AD/Cycle Language Environment/370 Programming Guide*.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH120X

EKYH122E LE/370 CEEPIPI START_SEQ
RETURNED WITH RC=*returncode*

Explanation: Module EKYH120X issued a CEEPIPI START_SEQ call to signal the start of a series of subroutine calls. The CEEPIPI call failed with the identified return code.

The return code values have the following meaning:

- | | |
|-----------|--|
| 4 | DPROP called CEEPIPI with an invalid function code |
| 8 | The LE/370 environment was already active |
| 16 | DPROP called CEEPIPI with an invalid token |

This message is followed by the EKYH980I message, which identifies the table qualifier, the table name and the PR currently in process.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Problem determination: If LE/370 issued additional messages, they may help you understand the failure.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH120X

EKYH123E UNEXPECTED RETURN CODE FROM
SEGMENT LEVEL EXIT

Explanation: The Segment exit routine invoked by module EKYH120X returned an invalid return code.

This message is followed by the EKYH983I message, which identifies the DBD, the segment and the PR currently in process, and the name of the Segment exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: Ensure that the

Segment exit routine works properly and returns only acceptable return codes.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH120X

**EKYH124E SEGMENT LEVEL EXIT REQUESTED
UNSUPPORTED PROPAGATION
SUPPRESSION**

Explanation: A Segment exit routine returned with return code 8, which is used to request suppression of the propagation; however, the propagation should not be suppressed for this type of call.

This message is followed by the EKYH983I message, which identifies the DBD, the segment and the PR currently in process, and the name of the Segment exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Make sure that the Segment exit routine does not request suppression of propagation. Note that Segment exit routines invoked for HR-transformation by the HUP should never suppress propagation, regardless of whether this was allowed in the PR definition.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH120X

**EKYH125E UNEXPECTED SEGMENT LENGTH
RETURNED BY SEGMENT LEVEL EXIT**

Explanation: A Segment exit routine returned an invalid segment length. For variable-length segments, the returned length (at the beginning of the segment) should not be larger than the defined maximum segment length.

This message is followed by the EKYH983I message, which identifies the DBD, the segment and the PR currently in process, and the name of the Segment exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Make sure that the Segment exit routine returns valid segment lengths.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH120X

**EKYH126E INVALID FIELD FORMAT FOR LENGTH
OR OCCURRENCE FIELD PR=*prid*
DBD=*dbdname* SEGMENT=*segment*
FIELD=*field***

Explanation: The field indicated in the message is defined in the HUP PRCB to be used as a length or occurrence field. However, the format of the field prevents it from being used for this purpose.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH120X

**EKYH127E DECIMAL FIELD HAS NON-NUMERIC
VALUE PR=*prid* DBD=*dbdname*
SEGMENT=*segment* FIELD=*field***

Explanation: In the propagating PR, the field indicated in the message is defined as decimal. However, the contents of the field are not numeric.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions. Make sure that all fields have valid values. If necessary, correct the application programs and/or the PR definitions.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH120X

**EKYH128E ZONED FIELD HAS NON-NUMERIC
VALUE PR=prid DBD=dbdname
SEGMENT=segment FIELD=field**

Explanation: In the propagating PR, the field indicated in the message is defined as zoned. However, the contents of the field are not numeric.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check the PR definitions. Make sure that all fields have valid values. If necessary, correct the application programs and/or the PR definitions.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH120X

**EKYH129E VALUE OF FIELD OUT OF LIMITS FOR
BINARY CONVERSION PR=prid
DBD=dbdname SEGMENT=segment
FIELD=field**

Explanation: A length or occurrence field must be converted to binary. The value of the field, in the existing IMS segment image, exceeds the limits for binary conversion.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check the PR definitions. Make sure that all fields have valid values. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH120X

**EKYH130I MESSAGE FROM FIELD LEVEL USER
EXIT=exitname message text PR=prid
DBD=dbdname SEGMENT=segment
FIELD=field**

Explanation: This message contains information provided by the Field exit routine identified in the message.

Severity: Information.

System action: This depends on the return code provided by the exit; typically the error is handled according to the HUP logic for “other” errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: For information on Field exit routines, see the appropriate Administrators Guide for your propagation mode and the *IMS DataPropagator Customization Guide*.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH130X

**EKYH131E LE/370 CEEPIPI CALL-SUB RETURNED
WITH ERRORS WHEN INVOKING USER
EXIT=exitname RC=returncode
SRC=return code SRSN=reason code
SFB=feedback code**

Explanation: The CEEPIPI module of LE/370 returned to DPROP with the identified LE/370 return code in Register 15 (the LE/370 return code is printed in numerical format). This happened during a call of HUP to the identified User exit routine via the CEEPIPI CALL-SUB interface.

The message also contains the following information provided by LE/370:

- Subroutine return code
- Subroutine reason code
- Subroutine feedback code

All are printed in hexadecimal format.

This message is followed by the EKYH980I message, which identifies the table qualifier, the table name and the PR currently in process.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Problem determination: Refer to the *IBM SAA AD/Cycle Language Environment/370 Programming Guide* for an explanation of the LE/370 return code, the subroutine return code, the subroutine reason code, and the subroutine feedback code. In particular, refer to the description of the CEEPIPI CALL-SUB function in the *IBM SAA AD/Cycle Language Environment/370 Programming Guide*.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH130X

**EKYH132E LE/370 CEEPIPI START_SEQ
RETURNED WITH RC=returncode**

Explanation: Module EKYH130X issued a CEEPIPI START_SEQ call to signal the start of a series of subroutine calls. The CEEPIPI call failed with the identified return code.

The return code values have the following meaning:

- | | |
|----|--|
| 4 | DPROP called CEEPIPI with an invalid function code |
| 8 | The LE/370 environment was already active |
| 16 | DPROP called CEEPIPI with an invalid token |

This message is followed by the EKYH980I message, which identifies the table qualifier, the table name and the PR currently in process.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: If LE/370 issued additional messages, they may help you understand the failure.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH130X

**EKYH133E UNEXPECTED RETURN CODE FROM
FIELD LEVEL EXIT**

Explanation: The Field exit routine invoked by module EKYH130X returned an invalid return code.

This message is followed by the EKYH984I message, which identifies the DBD name, the segment name, the PR and field currently in process, and the name of the Field exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Ensure that the Field exit routine works properly and returns only acceptable return codes.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH130X

**EKYH134E FIELD LEVEL EXIT ENCOUNTERED
MAPPING ERROR**

Explanation: The Field exit routine encountered a mapping error.

This message is followed by the EKYH984I message, which identifies the DBD name, the segment name, the PR and field currently in process, and the name of the Field exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

User response: The Field exit routine may have returned messages that are issued in message EKYH130I. These messages can help you to understand the problem encountered by the exit routine.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH130X

**EKYH135E UNEXPECTED FIELD LENGTH
RETURNED BY FIELD LEVEL EXIT**

Explanation: The Field exit routine returned an invalid field length. Examples of invalid field lengths are:

- A negative length
- For a fixed-length field, a length different from the defined fixed length
- For a variable-length field, a length larger than the defined maximum field length

This message is followed by the EKYH984I message, which identifies the DBD name, the segment name, the PR and field currently in process, and the name of the Field exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Ensure that the Field exit routine returns correct field lengths.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH130X

**EKYH136E FIELD LEVEL EXIT RETURNED ODD
FIELD LENGTH FOR A GRAPHIC FIELD**

Explanation: DPROP requires that the value of the length field of a variable length graphic field be even. However, the length returned by the Field exit routine is odd and therefore, invalid.

This message is followed by the EKYH984I message, which identifies the DBD name, the segment name, the PR and field currently in process, and the name of the Field exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check the PR definitions. Make sure that all length fields of variable-length graphic fields have even values. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH130X

**EKYH140I MESSAGE FROM SEGMENT LEVEL
USER EXIT=exitname message text
TABLEQUAL=qualifier
TABLENAME=tablename PR=prid
DBD=dbdname SEGMENT=segment**

Explanation: This message contains information provided by the Segment exit routine identified in the message.

Severity: Information.

System action: This depends on the return code provided by the exit; typically the error is handled according to the HUP logic for “other” errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: For information on Segment exit routines, see the appropriate Administrators Guide for your propagation mode and the *IMS DataPropagator Customization Guide*.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH140X

**EKYH141E LE/370 CEEPIPI CALL-SUB RETURNED
WITH ERRORS WHEN INVOKING USER
EXIT=exitname RC=returncode
SRC=return code SRSN=reason code
SFB=feedback code**

Explanation: The CEEPIPI module of LE/370 returned to DPROP with the identified LE/370 return code in Register 15 (the LE/370 return code is printed in numerical format). This happened when the HUP called the identified User exit routine via the CEEPIPI CALL-SUB interface.

The message also contains the following information provided by LE/370:

- Subroutine return code
- Subroutine reason code
- Subroutine feedback code

All are printed in hexadecimal format.

This message is followed by the EKYH980I message, which identifies the table qualifier, the table name and the PR currently in process.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Problem determination: Refer to *IBM SAA AD/Cycle Language Environment/370 Programming Guide* for an explanation of the LE/370 return code, the subroutine return code, the subroutine reason code, and the subroutine feedback code. In particular, refer to the description of the CEEPIPI CALL-SUB function in the *IBM SAA AD/Cycle Language Environment/370 Programming Guide*.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH140X

**EKYH142E LE/370 CEEPIPI START_SEQ
RETURNED WITH RC=returncode**

Explanation: Module EKYH140X issued a CEEPIPI START_SEQ call to signal the start of a series of subroutine calls. The CEEPIPI call failed with the identified return code.

The return code values have the following meaning:

- | | |
|----|--|
| 4 | DPROP called CEEPIPI with an invalid function code |
| 8 | The LE/370 environment was already active |
| 16 | DPROP called CEEPIPI with an invalid token |

This message is followed by the EKYH980I message, which identifies the table qualifier, the table name and the PR currently in process.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: If LE/370 issued additional messages, they may help you understand the failure.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH140X

EKYH143E UNEXPECTED RETURN CODE FROM SEGMENT LEVEL EXIT

Explanation: The Segment exit routine invoked by module EKYH140X returned an invalid return code.

This message is followed by the EKYH985I message, which identifies the table qualifier, the table name and the PR currently in process, and the name of the Segment exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Ensure that the Segment exit routine works properly and returns only acceptable return codes.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH140X

EKYH144E SEGMENT LEVEL EXIT REQUESTED UNSUPPORTED PROPAGATION SUPPRESSION

Explanation: A Segment exit routine returned with return code 8, which is used to request suppression of propagation; however, the PR definition did not allow propagation to be suppressed by the Segment exit routine.

This message is followed by the EKYH985I message, which identifies the table qualifier, the table name and the PR currently in process, and the name of the Segment exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the

RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Make sure that the Segment exit routine does not request suppression of propagation if it was not allowed in the PR definition. Either change the Segment exit routine so that it does not return with return code 8, or change the PR definition to allow propagation to be suppressed.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH140X

EKYH145E UNEXPECTED SEGMENT LENGTH RETURNED BY SEGMENT LEVEL EXIT

Explanation: A Segment exit routine returned an invalid segment length. For variable-length segments, the returned length (at the beginning of the segment) should not be larger than the defined maximum segment length.

This message is followed by the EKYH985I message, which identifies the table qualifier, the table name and the PR currently in process, and the name of the Segment exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Make sure that the Segment exit routine returns valid segment lengths.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH140X

EKYH146E FAILURE IN SEGMENT EXIT ROUTINE

Explanation: A Segment exit routine encountered a propagation failure.

This message is followed by the EKYH985I message, which identifies the table qualifier, the table name and the PR currently in process, and the name of the Segment exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

User response: The Segment exit routine may have

returned messages that are issued in message EKYH140I. These messages can help you to understand the problem encountered by the exit routine.

Module: EKYH140X

EKYH147E SEGMENT LEVEL EXIT HAS CHANGED CONTENT OR OFFSET OF SEGMENT KEY

Explanation: A Segment exit routine changed either the content or the offset of a DL/I field mapping to a column of the primary DB2 key.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Make sure that the Segment exit routine does not change the content or offset of fields mapped to column of the primary DB2 key.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH140X

**EKYH150E SEGMENT EXISTING IMAGE NOT PASSED BY CALLING DPROP UTILITY
TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid***

Explanation: This is an internal IMS DPROP error. When called by a DPROP utility to apply the update of a row (or any other operation of a row) that propagates to the internal segment of a containing IMS segment, the HUP expects the segment existing image. The segment existing image was not passed to the HUP by either the CCU or DLU.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH100X

**EKYH151E SEGMENT EXISTING IMAGE PASSED BY CALLING UTILITY HAS AN UNEXPECTED LENGTH
TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid***

Explanation: This is an internal IMS DPROP error. A DPROP utility called the HUP and passed the existing image of an IMS segment. However, the length of this segment is invalid.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH100X

**EKYH152E SEGMENT BUFFER NOT PASSED BY CALLING DPROP UTILITY
TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid***

Explanation: This is an internal IMS DPROP error. When called by a DPROP utility to convert the passed DB2 row to an IMS segment, the HUP expects a segment buffer, where it returns the built segment. This segment buffer was not passed to the HUP by either the CCU or DLU.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH100X

**EKYH153E SEGMENT BUFFER PASSED BY CALLING DPROP UTILITY IS TOO SMALL TO HOLD RESULTING IMS
SEGMENT TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid***

Explanation: This is an internal IMS DPROP error. When called by a DPROP utility to convert the passed

DB2 row to an IMS segment, the HUP expects a segment buffer where it returns the built segment. The size of this segment buffer, passed by either the CCU or DLU, is too small to hold the resultant IMS segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH100X

EKYH154E KEY BUFFER PASSED BY CALLING DPROP UTILITY IS TOO SMALL TO HOLD KEY IN REQUESTED FORMAT
TABLEQUAL=qualifier
TABLENAME=tablename PR=prid

Explanation: This is an internal IMS DPROP error. When called by a DPROP utility to return the key of an IMS segment that is propagated by the passed row, the HUP expects a key buffer, where it returns the key. The size of this key buffer, passed by either the CCU or DLU, is too small to hold the key in the format requested by the utility.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH100X

EKYH155E INCORRECT KEY REQUEST SPECIFICATIONS PASSED BY CALLING DPROP UTILITY
TABLEQUAL=qualifier
TABLENAME=tablename PR=prid

Explanation: This is an internal IMS DPROP error. The HUP was called by a DPROP utility to convert a passed DB2 row to an IMS segment. However, the key request flag in the HUP internal interface contains an invalid value.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH100X

EKYH156E DLI DATABASE CALL FAILED DURING DB2 TO IMS PROPAGATION
TABLEQUAL=qualifier
TABLENAME=tablename PR=prid
PROPAGATING TO DBD=dbdname
SEGMENT=segment ISSUED DLI
COMMAND WAS=dlicmd

Explanation: For synchronous propagation, DPROP issued a DL/I AIB call to apply the changes of the DB2 table to the IMS database. This call returned an unexpected return or reason code.

This message is followed by message EKYZ380E or EKYZ382E, which further explains the significant fields of the AIB.

Severity: Error.

System action: Depends on the status code returned by IMS. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: Analyze the AIB status code provided in associated message EKYZ380E or EKYZ382E. See IMS/ESA Application Programming: EXEC DLI Commands for CICS and IMS for a description of the DL/I status codes.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH100X

EKYH157E TABLE RESTRICTED BY WHERE CLAUSE WHICH INHIBITS THE UPDATE
TABLEQUAL=qualifier
TABLENAME=tablename PR=prid
PROPAGATING TO DBD=dbdname
SEGMENT=segment WITH
OPERATION=opcode

Explanation: The WHERE clause evaluated by the HUP indicates that the row should not be contained in this table. Therefore, the update of the table is rejected.

Severity: Error.

Programmer response: Correct either the definitions of the WHERE clause or your application program.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH100X.

EKYH190E UNSUPPORTED NEGATIVE VALUE IN LENGTH OR OCCURRENCE FIELD
PR=prid DBD=dbdname
SEGMENT=segment FIELD=field

Explanation: A length or occurrence field contains a negative value in the existing IMS segment image.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check the PR definitions. Make sure that all fields have valid values. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH120X

EKYH191E VALUE IN LENFIELD EXCEEDS MAXIMUM LENGTH DEFINED FOR FIELD PR=prid DBD=dbdname
SEGMENT=segment FIELD=field

Explanation: The value of a length field is higher than the maximum length of the field specified in the PR.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check the PR definitions. Make sure that all fields have valid values. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH120X

EKYH192E FIELD OUTSIDE PHYSICAL IMS SEGMENT PR=prid DBD=dbdname
SEGMENT=segment FIELD=field

Explanation: The field of an internal segment is not within the containing IMS Segment.

Typically DPROP trace records will include the containing IMS segment, previous occurrences of all internal segments located in the containing IMS segment, and the occurrence of the internal segment that does not end within the containing IMS segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check the PR definitions, the optional Segment exit routine that processes the containing IMS segment, and the data of the containing IMS segment.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH120X

EKYH193E INTERNAL SEGMENT OUTSIDE PHYSICAL IMS SEGMENT
TABLEQUAL=qualifier
TABlename=tablename PR=prid
DBD=dbdname SEGMENT=segment

Explanation: The start address of an internal segment is not within the containing IMS segment.

Typically DPROP trace records include the containing IMS segment and previous occurrences of all internal segments located in the containing IMS segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check the PR definitions, the optional Segment exit routine that processes the containing IMS segment, and the data of the containing IMS segment.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH120X

**EKYH194E UNABLE TO LOCATE INTERNAL
SEGMENT TABLEQUAL=qualifier
TABLENAME=tablename PR=prid
DBD=dbdname SEGMENT=segment**

Explanation: The table identified in the message propagates to the internal segment of a containing IMS segment. The row of the table was either updated or deleted; however, the corresponding internal segment could not be located to apply the changes. This is probably a mismatch between the DB2 table and the IMS database.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check the PR definitions, the optional Segment exit routine that processes the containing IMS segment, and the data of the containing IMS segment. Use the CCU to compare the DB2 table and the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH120X

EKYH195E FAILURE IN SEGMENT EXIT ROUTINE

Explanation: A Segment exit routine encountered a propagation failure.

This message is followed by the EKYH983I message, which identifies the DBD name, the segment name and the PR currently in process, and the name of the Segment exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

User response: The Segment exit routine may have returned messages that are issued in message EKYH120I. These messages can help you to understand the problem encountered by the exit routine.

Module: EKYH120X

**EKYH201E LE/370 CEEPIPI CALL-SUB RETURNED
WITH ERRORS WHEN INVOKING
PROPAGATION EXIT=exitname
RC=returncode SRC=return code
SRSN=reason code SFB=feedback code**

Explanation: The CEEPIPI module of LE/370 returned to DPROP with the identified LE/370 return code in

Register 15 (the LE/370 return code is printed in numerical format). This happened when the HUP called the identified User exit routine via the CEEPIPI CALL-SUB interface.

The message also contains the following information provided by LE/370:

- Subroutine return code
- Subroutine reason code
- Subroutine feedback code

All are printed in hexadecimal format.

This message is followed by the EKYH980I message, which identifies the table qualifier, the table name and the PR currently in process.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Problem determination: Refer to the *IBM SAA AD/Cycle Language Environment/370 Programming Guide* for an explanation of the LE/370 return code, the subroutine return code, the subroutine reason code, and the subroutine feedback code. In particular, refer to the description of the CEEPIPI CALL-SUB function in the *IBM SAA AD/Cycle Language Environment/370 Programming Guide*.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH200X

**EKYH202E LE/370 CEEPIPI START_SEQ
RETURNED WITH RC=returncode**

Explanation: Module EKYH200X issued a CEEPIPI START_SEQ call to signal the start of a series of subroutine calls. The CEEPIPI call failed with the identified return code.

The return code values have the following meaning:

- | | |
|-----------|--|
| 4 | DPROP called CEEPIPI with an invalid function code |
| 8 | The LE/370 environment was already active |
| 16 | DPROP called CEEPIPI with an invalid token |

This message is followed by the EKYH980I message, which identifies the table qualifier, the table name and the PR currently in process.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Problem determination: If LE/370 issued additional messages, they may help you understand the failure.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH200X

**EKYH203E PROPAGATION USER EXIT
ENCOUNTERED SQL ERROR
PROPAGATING TABLEQUAL=qualifier
TABLENAME=tablename PR=prid USING
EXIT=exitname**

Explanation: The invoked Propagation exit routine indicated that it encountered an SQL error.

This message is followed by message EKYZ360E, which further explains the SQL error encountered by the exit.

Severity: Error.

System action: This depends on the SQL error encountered by the exit. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: For information on Propagation exit routines, see the appropriate Administrators Guide for your propagation mode and the *IMS DataPropagator Customization Guide*.

Problem determination: Analyze the information provided in message EKYZ360E.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH200X

**EKYH204E PROPAGATION USER EXIT
ENCOUNTERED DLI CALL ERROR
PROPAGATING TABLEQUAL=qualifier
TABLENAME=tablename PR=prid USING
EXIT=exitname**

Explanation: The invoked Propagation exit routine indicated that it encountered a DL/I call error.

This message is followed by message EKYZ380E, EKYZ381E or EKYZ382E, which further explain the SQL error encountered by the exit.

Severity: Error.

System action: This depends on the DL/I status code encountered by the exit. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: For information on Propagation exit routines, see the appropriate Administrators Guide for your propagation mode and the *IMS DataPropagator Customization Guide*.

Problem determination: Analyze the AIB status code provided in associated message EKYZ380E, EKYZ381E or EKYZ382E. See IMS/ESA Application Programming: EXEC DLI Commands for CICS and IMS for a description of the DL/I status codes.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH200X

**EKYH205E PROPAGATION USER EXIT
ENCOUNTERED UNAVAILABLE
RESOURCE PROPAGATING
TABLEQUAL=qualifier
TABLENAME=tablename PR=prid USING
EXIT=exitname**

Explanation: The invoked Propagation exit routine indicated that it encountered an unavailable resource.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: For information on Propagation exit routines, see the appropriate Administrators Guide for your propagation mode and the *IMS DataPropagator Customization Guide*.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH200X

**EKYH206E PROPAGATION USER EXIT
ENCOUNTERED MAPPING ERROR
PROPAGATING TABLEQUAL=qualifier
TABLENAME=tablename PR=prid USING
EXIT=exitname**

Explanation: The invoked Propagation exit routine indicated that it encountered a mapping error.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: For information on Propagation exit routines, see the appropriate Administrators Guide for your propagation mode and the *IMS DataPropagator Customization Guide*.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH200X

**EKYH207E PROPAGATION USER EXIT
ENCOUNTERED SEVERE ERROR
PROPAGATING TABLEQUAL=qualifier
TABLENAME=tablename PR=prid USING
EXIT=exitname**

Explanation: The invoked Propagation exit routine indicated that it encountered a severe error.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: For information on Propagation exit routines, see the appropriate Administrators Guide for your propagation mode and the *IMS DataPropagator Customization Guide*.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH200X

**EKYH301E LE/370 CEEPIPI CALL-SUB RETURNED
WITH ERRORS WHEN INVOKING DB2
SUBEXIT=exitname RC=returncode
SRC=return code SRSN=reason code
SFB=feedback code**

Explanation: The CEEPIPI module of LE/370 returned to DPROP with the identified LE/370 return code in Register 15 (the LE/370 return code is printed in numerical format). This happened when the HUP called the identified User exit routine via the CEEPIPI CALL-SUB interface.

The message also contains the following information provided by LE/370:

- Subroutine return code
- Subroutine reason code
- Subroutine feedback code

All are printed in hexadecimal format.

This message is followed by the EKYH986I message, which identifies the table qualifier and the table name currently in process.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: Refer to the *IBM SAA AD/Cycle Language Environment/370 Programming Guide* for an explanation of the LE/370 return code, the

subroutine return code, the subroutine reason code, and the subroutine feedback code. In particular, refer to the description of the CEEPIPI CALL-SUB function in the *IBM SAA AD/Cycle Language Environment/370 Programming Guide*.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH300X

**EKYH302E LE/370 CEEPIPI START_SEQ
RETURNED WITH RC=returncode**

Explanation: Module EKYH300X issued a CEEPIPI START_SEQ call to signal the start of a series of subroutine calls. The CEEPIPI call failed with the identified return code.

The return code values have the following meaning:

- | | |
|-----------|--|
| 4 | DPROP called CEEPIPI with an invalid function code |
| 8 | The LE/370 environment was already active |
| 16 | DPROP called CEEPIPI with an invalid token |

This message is followed by the EKYH986I message, which identifies the table qualifier and the table name currently in process.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: If LE/370 issued additional messages, they may help you understand the failure.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH300X

**EKYH400E EKYHUP00 INVOKED BY DPROP
UTILITY WITH AN INVALID
TABLENAME LIST**

Explanation: This is an internal IMS DPROP error. The HUP was called to merge two IMS segments, but the calling utility supplied an invalid table name list.

Severity: Error.

System action: The HUP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYH400X

**EKYH401E EKYHUP00 INVOKED BY DPROP
UTILITY WITH AN INVALID
TABLERNAME LIST ENTRY**

Explanation: This is an internal IMS DPROP error. The HUP was called to merge two IMS segments, but the calling utility supplied an invalid entry in the tablename list.

Severity: Error.

System action: The HUP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYH400X

**EKYH402E SEGMENT BUFFER FOR MERGE
RESULT EITHER WAS NOT PASSED
OR IS INVALID**

Explanation: This is an internal IMS DPROP error. When invoked by a DPROP utility to merge two IMS segments, the HUP expects a segment buffer where it returns the resultant segment. This segment buffer either was not passed or is too small.

Severity: Error.

System action: The HUP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH400X

**EKYH403E NEW SEGMENT IMAGE FOR MERGE
EITHER WAS NOT PASSED OR IS
INVALID**

Explanation: This is an internal IMS DPROP error. When invoked by a DPROP utility to merge two IMS segments, the HUP expects a new segment image to be used in the merge operation. This segment image either was not passed or is invalid.

Severity: Error.

System action: The HUP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH400X

**EKYH404E EXISTING SEGMENT IMAGE FOR
MERGE EITHER WAS NOT PASSED OR
IS INVALID**

Explanation: This is an internal IMS DPROP error. When invoked by a DPROP utility to merge two IMS segments, the HUP expects an existing segment image to be used in the merge operation. This segment image either was not passed or is invalid.

Severity: Error.

System action: The HUP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH400X

**EKYH405E UNQUALIFIED HUP PRCB ALREADY
USED FOR A DIFFERENT TABLE
WITHIN SAME SCHEDULING
TABLEQUAL=*qualifier*
TABLERNAME=*tablename* HUP PRCB
WAS PREVIOUSLY USED FOR
TABLEQUAL=*qualifier***

Explanation: Implementation error. Within a single IMS scheduling, the HUP is called to use an unqualified PR for two different tables (with the same table name but different qualifiers). This is rejected by DPROP because both tables would result in the same DBD/segment being updated.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Ensure that the same unqualified PR is not used for two different tables within the same IMS scheduling.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH400X

**EKYH406E HUP PRCB IS MARKED AS INVALID
OR FAILED TO BE RETRIEVED
TABLEQUAL=*qualifier*
TABLERNAME=*tablename***

Explanation: The HUP read a HUP PRCB (HUP Propagation Control Block) that was flagged as invalid. The invalid HUP PRCB should be used to merge two

IMS segments that were propagated by the table identified in the message.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check for other messages issued by the failing job step to determine the reason for the failure.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH400X

EKYH407E SPECIFIED TABLE FOR MERGE PROCESSING IS PROPAGATED BY A USER MAPPING CASE
TABLEQUAL=qualifier
TABlename=tablename PR=prid

Explanation: This is an internal IMS DPROP error. The HUP was invoked to merge two IMS segments, but this segment type is propagated by a user mapping case.

Severity: Error.

System action: The HUP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH400X

EKYH408E SEGMENT IS NOT PROPAGATED BY THE SPECIFIED TABLE
TABLEQUAL=qualifier
TABlename=tablename PR=prid
DBD=dbdname SEGMENT=segment

Explanation: This is an internal IMS DPROP error. The HUP was invoked to merge two IMS segments, but the table name passed in the table name list does not propagate to this segment type.

Severity: Error.

System action: The HUP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the

//EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH400X

EKYH409E FIELD OUTSIDE PHYSICAL IMS SEGMENT PR=prid DBD=dbdname
SEGMENT=segment FIELD=field

Explanation: The field of an internal segment is not within the containing IMS segment.

Typically DPROP trace records include the containing IMS segment, previous occurrences of all internal segments located in the containing IMS segment, and the occurrence of the internal segment that does not end within the containing IMS segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions, the optional Segment exit routine that processes the containing IMS segment, and the data of the containing IMS segment.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH400X

EKYH410E INVALID FIELD FORMAT FOR LENGTH OR OCCURRENCE FIELD PR=prid
DBD=dbdname SEGMENT=segment
FIELD=field

Explanation: The field indicated in the message is defined in the HUP PRCB to be used as a length or occurrence field. However, the format of the field prevents it from being used for this purpose.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH400X

**EKYH411E DECIMAL FIELD HAS NON-NUMERIC
VALUE PR=*prid* DBD=*dbdname*
SEGMENT=*segment* FIELD=*field***

Explanation: In the propagating PR, the field indicated in the message is defined as decimal. However, the contents of the field are not numeric.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check the PR definitions. Make sure that all fields have valid values. If necessary, correct the application programs and/or the PR definitions.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH400X

**EKYH412E ZONED FIELD HAS NON-NUMERIC
VALUE PR=*prid* DBD=*dbdname*
SEGMENT=*segment* FIELD=*field***

Explanation: In the propagating PR, the field indicated in the message is defined as zoned. However, the contents of the field are not numeric.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check the PR definitions. Make sure that all fields have valid values. If necessary, correct the application programs and/or the PR definitions.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH400X

**EKYH413E VALUE OF FIELD OUT OF LIMITS FOR
BINARY CONVERSION PR=*prid*
DBD=*dbdname* SEGMENT=*segment*
FIELD=*field***

Explanation: A length or occurrence field must be converted to binary. The value of the field, in the IMS segment image, exceeds the limits for binary conversion.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check the PR definitions. Make sure that all fields have valid values. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH400X

**EKYH414E UNSUPPORTED NEGATIVE VALUE IN
LENGTH OR OCCURRENCE FIELD
PR=*prid* DBD=*dbdname*
SEGMENT=*segment* FIELD=*field***

Explanation: A length or occurrence field contains a negative value in the IMS segment image.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check the PR definitions. Make sure that all fields have valid values. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH400X

**EKYH415E INTERNAL SEGMENT OUTSIDE
PHYSICAL IMS SEGMENT
TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*
DBD=*dbdname* SEGMENT=*segment***

Explanation: The start address of an internal segment is not within the containing IMS segment.

Typically, DPROP trace records include the containing IMS segment and previous occurrences of all internal segments located in the containing IMS segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check the PR definitions, the optional Segment exit routine that processes the

containing IMS segment, and the data of the containing IMS segment.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH400X

EKYH416E VALUE IN LENFIELD EXCEEDS
MAXIMUM LENGTH DEFINED FOR
FIELD PR=*prid* DBD=*dbdname*
SEGMENT=*segment* FIELD=*field*

Explanation: The value of a length field is greater than the maximum length of the field specified in the PR.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check the PR definitions. Make sure that all fields have valid values. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH400X

EKYH417E EKYHUP00 INVOKED BY DPROP
UTILITY WITHOUT IMS FULLY
CONCATENATED KEY

Explanation: This is an internal IMS DPROP error. The HUP was invoked to merge two IMS segments, but the calling utility has not passed the fully concatenated key of the segments.

Severity: Error.

System action: The HUP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH400X

EKYH420I MESSAGE FROM SEGMENT LEVEL
USER EXIT=*exitname* message text
TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*
dbdname SEGMENT=*segment*

Explanation: This message contains information provided by the Segment exit routine identified in the message.

Severity: Information.

System action: This depends on the return code provided by the exit; typically the error is handled according to the HUP logic for “other” errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: For information on Segment exit routines, see the appropriate Administrators Guide for your propagation mode and IMS DPROP Customization Guide.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH420X

EKYH421E LE/370 CEEPIPI CALL-SUB RETURNED
WITH ERRORS WHEN INVOKING USER
EXIT=*exitname* RC=*returncode*
SRC=*return code* SRSN=*reason code*
SFB=*feedback code*

Explanation: The CEEPIPI module of LE/370 returned to DPROP with the identified LE/370 return code in Register 15 (the LE/370 return code is printed in numerical format). This happened when the HUP called the identified User exit routine via the CEEPIPI CALL-SUB interface.

The message also contains the following information provided by LE/370:

- Subroutine return code
- Subroutine reason code
- Subroutine feedback code

All are printed in hexadecimal format.

This message is followed by the EKYH980I message, which identifies the table qualifier, the table name and the PR currently in process.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Problem determination: Refer to IBM SAA® AD/Cycle® Language Environment/370 Programming Guide for an explanation of the LE/370 return code, the

subroutine return code, the subroutine reason code, and the subroutine feedback code. In particular, refer to the description of the CEEPIPI CALL-SUB function in the IBM SAA AD/Cycle Language Environment/370 Programming Guide.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH420X

**EKYH422E LE/370 CEEPIPI START_SEQ
RETURNED WITH RC=returncode**

Explanation: Module EKYH420X issued a CEEPIPI START_SEQ call to signal the start of a series of subroutine calls. The CEEPIPI call failed with the identified return code.

The return code values have the following meaning:

- 4** DPROP called CEEPIPI with an invalid function code.
- 8** The LE/370 environment was already active
- 16** DPROP called CEEPIPI with an invalid token

This message is followed by the EKYH980I message, which identifies the table qualifier, the table name and the PR currently in process.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: If LE/370 issued additional messages, they may help you understand the failure.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH420X

**EKYH423E UNEXPECTED RETURN CODE FROM
SEGMENT LEVEL EXIT**

Explanation: The Segment exit routine invoked by module EKYH420X returned an invalid return code.

This message is followed by the EKYH983I message, which identifies the DBD, the segment and the PR currently in process, and the name of the Segment exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Ensure that the

Segment exit routine works properly and returns only acceptable return codes.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH420X

**EKYH424E SEGMENT LEVEL EXIT REQUESTED
UNSUPPORTED PROPAGATION
SUPPRESSION**

Explanation: A Segment exit routine returned with return code 8, which is used to request suppression of the propagation; however, the propagation should not be suppressed for this type of call.

This message is followed by the EKYH983I message, which identifies the DBD, the segment and the PR currently in process, and the name of the Segment exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Make sure that the Segment exit routine does not request suppression of propagation. Segment exit routines invoked by the HUP for HR-transformation should never suppress propagation, regardless of whether this was allowed in the PR definition.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH420X

**EKYH425E UNEXPECTED SEGMENT LENGTH
RETURNED BY SEGMENT LEVEL EXIT**

Explanation: A Segment exit routine returned an invalid segment length. For variable-length segments, the returned length (at the beginning of the segment) should not be greater than the defined maximum segment length.

This message is followed by the EKYH983I message, which identifies the DBD, the segment and the PR currently in process, and the name of the Segment exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Make sure that the Segment exit routine returns valid segment lengths.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH420X

EKYH426E FAILURE IN SEGMENT EXIT ROUTINE

Explanation: A Segment exit routine encountered a propagation failure.

This message is followed by the EKYH983I message, which identifies the DBD name, the segment name and the PR currently in process, and the name of the Segment exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

User response: The Segment exit routine may have returned messages that are issued in message EKYH420I. These messages can help you to understand the problem encountered by the exit routine.

Module: EKYH420X

EKYH430I MESSAGE FROM FIELD LEVEL USER EXIT=exitname message text PR=prid DBD=dbdname SEGMENT=segment FIELD=field

Explanation: This message contains information provided by the Field exit routine identified in the message.

Severity: Information.

System action: This depends on the return code provided by the exit; typically the error is handled according to the HUP logic for "other" errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: For information on Field exit routines, see the appropriate Administrators Guide for your propagation mode and the *IMS Data Propagator Customization Guide*.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH430X

EKYH431E LE/370 CEEPIPI CALL-SUB RETURNED WITH ERRORS WHEN INVOKING USER EXIT=exitname RC=returncode SRC=return code SRSN=reason code SFB=feedback code

Explanation: The CEEPIPI module of LE/370 returned to DPROP with the identified LE/370 return code in Register 15 (the LE/370 return code is printed in numerical format). This happened when the HUP called the identified User exit routine via the CEEPIPI CALL-SUB interface.

The message also contains the following information provided by LE/370:

- Subroutine return code
- Subroutine reason code
- Subroutine feedback code

All are printed in hexadecimal format.

This message is followed by the EKYH980I message, which identifies the table qualifier, the table name and the PR currently in process.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: Refer to the *IBM SAA AD/Cycle Language Environment/370 Programming Guide* for an explanation of the LE/370 return code, the subroutine return code, the subroutine reason code, and the subroutine feedback code. In particular, refer to the description of the CEEPIPI CALL-SUB function in the *IBM SAA AD/Cycle Language Environment/370 Programming Guide*.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH430X

EKYH432E LE/370 CEEPIPI START_SEQ RETURNED WITH RC=returncode

Explanation: Module EKYH430X issued a CEEPIPI START_SEQ call to signal the start of a series of subroutine calls. The CEEPIPI call failed with the identified return code.

The return code values have the following meaning:

- | | |
|----|--|
| 4 | DPROP called CEEPIPI with an invalid function code |
| 8 | The LE/370 environment was already active |
| 16 | DPROP called CEEPIPI with an invalid token |

This message is followed by the EKYH980I message, which identifies the table qualifier, the table name and the PR currently in process.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: If LE/370 issued additional messages, they may help you understand the failure.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH430X

EKYH433E UNEXPECTED RETURN CODE FROM FIELD LEVEL EXIT

Explanation: The Field exit routine invoked by module EKYH430X returned an invalid return code.

This message is followed by the EKYH984I message, which identifies the DBD name, the segment name, the PR and field currently in process, and the name of the Field exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Ensure that the Field exit routine works properly and returns only acceptable return codes.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH430X

EKYH434E FIELD LEVEL EXIT ENCOUNTERED MAPPING ERROR

Explanation: The Field exit routine encountered a mapping error.

This message is followed by the EKYH984I message, which identifies the DBD name, the segment name, the PR and field currently in process, and the name of the Field exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

User response: The Field exit routine may have

returned messages that are issued in message EKYH430I. These messages can help you to understand the problem encountered by the exit routine.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH430X

EKYH435E UNEXPECTED FIELD LENGTH RETURNED BY FIELD LEVEL EXIT

Explanation: The Field exit routine returned an invalid field length. Examples of invalid field lengths are:

- A negative length
- For a fixed-length field, a length different from the defined fixed length
- For a variable-length field, a length larger than the defined maximum field length

This message is followed by the EKYH984I message, which identifies the DBD name, the segment name, the PR and field currently in process, and the name of the Field exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Ensure that the Field exit routine returns correct field lengths.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH430X

EKYH440I MESSAGE FROM SEGMENT LEVEL USER EXIT=*exitname message text* TABLEQUAL=*qualifier* TABLENAME=*tablename* PR=*prid* DBD=*dbdname* SEGMENT=*segment*

Explanation: This message contains information provided by the Segment exit routine identified in the message.

Severity: Information.

System action: This depends on the return code provided by the exit; typically the error is handled according to the HUP logic for "other" errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: For information on Segment exit routines, see the appropriate Administrators Guide for your propagation mode and

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH440X

EKYH441E LE/370 CEEPIPI CALL-SUB RETURNED WITH ERRORS WHEN INVOKING USER EXIT=exitname RC=returncode SRC=return code SRSN=reason code SFB=feedback code

Explanation: The CEEPIPI module of LE/370 returned to DPROP with the identified LE/370 return code in Register 15 (the LE/370 return code is printed in numerical format). This happened when the HUP called the identified User exit routine via the CEEPIPI CALL-SUB interface.

The message also contains the following information provided by LE/370:

- Subroutine return code
- Subroutine reason code
- Subroutine feedback code

All are printed in hexadecimal format.

This message is followed by the EKYH980I message, which identifies the table qualifier, the table name and the PR currently in process.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: Refer to the *IBM SAA AD/Cycle Language Environment/370 Programming Guide* for an explanation of the LE/370 return code, the subroutine return code, the subroutine reason code, and the subroutine feedback code. In particular, refer to the description of the CEEPIPI CALL-SUB function in the *IBM SAA AD/Cycle Language Environment/370 Programming Guide*.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH440X

EKYH442E LE/370 CEEPIPI START_SEQ RETURNED WITH RC=returncode

Explanation: Module EKYH440X issued a CEEPIPI START_SEQ call to signal the start of a series of subroutine calls. The CEEPIPI call failed with the identified return code.

The return code values have the following meaning:

- 4** DPROP called CEEPIPI with an invalid function code
- 8** The LE/370 environment was already active
- 16** DPROP called CEEPIPI with an invalid token

This message is followed by the EKYH980I message, which identifies the table qualifier, the table name and the PR currently in process.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: If LE/370 issued additional messages, they may help you understand the failure.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH440X

EKYH443E UNEXPECTED RETURN CODE FROM SEGMENT LEVEL EXIT

Explanation: The Segment exit routine invoked by module EKYH440X returned an invalid return code.

This message is followed by the EKYH985I message, which identifies the table qualifier, the table name and the PR currently in process, and the name of the Segment exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Ensure that the Segment exit routine works properly and returns only acceptable return codes.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH440X

EKYH444E SEGMENT LEVEL EXIT REQUESTED UNSUPPORTED PROPAGATION SUPPRESSION

Explanation: A Segment exit routine returned with return code 8, which is used to request suppression of propagation; however, propagation suppression was not allowed for this type of call.

This message is followed by the EKYH985I message, which identifies the table qualifier, the table name and

the PR currently in process, and the name of the Segment exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: Make sure that the Segment exit routine does not request suppression of propagation if it was not allowed. For utility calls, DPROP may inhibit suppression, regardless of whether suppression was allowed in the PR.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH440X

**EKYH445E UNEXPECTED SEGMENT LENGTH
RETURNED BY SEGMENT LEVEL EXIT**

Explanation: A Segment exit routine returned an invalid segment length. For variable-length segments, the returned length (at the beginning of the segment) should not be greater than the defined maximum segment length.

This message is followed by the EKYH985I message, which identifies the table qualifier, the table name and the PR currently in process, and the name of the Segment exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: Make sure that the Segment exit routine returns valid segment lengths.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH440X

EKYH446E FAILURE IN SEGMENT EXIT ROUTINE

Explanation: A Segment exit routine encountered a propagation failure.

This message is followed by the EKYH985I message, which identifies the table qualifier, the table name and the PR currently in process, and the name of the Segment exit routine and the return code returned by it.

Severity: Error.

System action: The error is handled according to the

RUP/HUP logic for “other” errors (for example, mapping errors). For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

User response: The Segment exit routine may have returned messages that are issued in message EKYH440I. These messages can help you to understand the problem encountered by the exit routine.

Module: EKYH440X

**EKYH900E EKYHASH FAILED TO CREATE NEW
ENTRY FOR HUP PRCB
TABLEQUAL=*qualifier*
TABLENAME=*tablename***

Explanation: This is an internal IMS DPROP error. The EKYHASH macro could not create a hash entry for the HUP PRCB identified in the message.

Severity: Error.

System action: The HUP issues an abend.

System programmer response: The problem could be due to a storage shortage. Try to increase the region size and run the job step again. If the problem cannot be solved by increasing the region size, contact IBM Software Support.

Problem determination: Save the dump.

Module: EKYH900X

**EKYH901E UNABLE TO RELATE HUP PRCB FIELD
TO DB2 ROW DESCRIPTION
TABLEQUAL=*qualifier*
TABLENAME=*tablename*
COLUMN=*column***

Explanation: A column of the HUP PRCB, which is propagated by a field of the IMS segment, cannot be relocated in the row description passed by the DB2 Changed Data Capture.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Determine why the indicated column cannot be relocated. The table definitions were probably changed without modifying and recreating the PR.

Check whether the PR definitions need to be modified to reflect changes made to the table definitions. If appropriate, recreate the PR after making any required modifications.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH900X

**EKYH902E UNABLE TO LOAD PROPAGATION
USER EXIT IN STORAGE**
TABLEQUAL=*qualifier*
TABlename=*tablename* **EXIT=***exitname*

Explanation: The HUP could not load a Propagation exit routine. The variable *exitname* identifies the load module name of the exit that could not be loaded.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check previous error messages describing why the exit routine could not be loaded.

Module: EKYH900X

**EKYH903E UNABLE TO LOAD SEGMENT LEVEL
USER EXIT IN STORAGE**
TABLEQUAL=*qualifier*
TABlename=*tablename* **EXIT=***exitname*

Explanation: The HUP could not load a Segment exit routine. The variable *exitname* identifies the load module name of the exit that could not be loaded.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check previous error messages describing why the exit routine could not be loaded.

Module: EKYH900X

**EKYH904E UNABLE TO LOAD FIELD LEVEL USER
EXIT IN STORAGE**
TABLEQUAL=*qualifier*
TABlename=*tablename* **EXIT=***exitname*

Explanation: The HUP could not load a Field exit routine. The variable *exitname* identifies the load module name of the exit that could not be loaded.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check previous error messages describing why the exit routine could not be loaded.

Module: EKYH900X

**EKYH905E ERROR WHILE READING HUP PRCB
FROM THE DPRHCBT DIRECTORY**
TABLE TABLEQUAL=*qualifier*
TABlename=*tablename*

Explanation: The HUP could not read the HUP PRCB from the DPRHCBT table of the DPROP directory. The message identifies the table qualifier and table name. Before issuing this message, DPROP issues other error messages describing the problem.

Severity: Error.

System action: The DPROP action depends on the type of error encountered. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check previous error messages issued by the same job step.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH900X

**EKYH906E COLUMN DATATYPE IN CDCDD DOES
NOT MATCH DEFINITION IN HUP PRCB**
TABLEQUAL=*qualifier*
TABlename=*tablename* **PR=***prid*
COLUMN=*column*

Explanation: The datatype of a column in the HUP PRCB does not match the datatype of the column in the row description passed by the DB2 Changed Data Capture.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: The table definitions were probably changed without modifying and recreating the PR.

Check whether the PR definitions need to be modified to reflect changes made to the table definitions. If appropriate, recreate the PR after making any required modifications.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH900X

EKYH907E COLUMN LENGTH/SCALE IN CDCDD
DOES NOT MATCH DEFINITION IN HUP
PRCB TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*
COLUMN=*column*

Explanation: The length/scale of a column in the HUP PRCB does not match the length/scale of the column in the row description passed by the DB2 Changed Data Capture.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: The table definitions were probably changed without modifying and recreating the PR.

Check whether the PR definitions need to be modified to reflect changes made to the table definitions. If appropriate, recreate the PR after making any required modifications.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYH900X

EKYH950I 'PROP OFF' IS IN EFFECT --
PROPAGATION IS SUPPRESSED
PROGRAM=*pgmname*
TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*

Explanation: A program is being executed with a PROP OFF control statement in the //EKYIN data set.

Severity: Information.

System action: DPROP does not propagate the updates performed by the current job step.

Module: EKYH950X

EKYH951I 'PROP OFF' IN EFFECT --
PROPAGATION IS SUPPRESSED
JOB=*jobname* STEP=*stepname*
PROCEDURE STEP=*procstepname*

Explanation: A program is being executed with a PROP OFF control statement in the //EKYIN data set.

Severity: Information.

System action: DPROP does not propagate the updates performed by the current job step.

Module: EKYH950X

EKYH952I 'PROP SUSP' IS IN EFFECT --
PROPAGATION IS SUPPRESSED
PROGRAM=*pgmname*
TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*

Explanation: A program is being executed with PROP SUSP control statements in the //EKYIN data set.

Severity: Information.

System action: DPROP does not perform the propagation described by the PR identified in the message.

Module: EKYH950X

EKYH953I 'PROP SUSP' IN EFFECT --
PROPAGATION OF SOME DATA
SUPPRESSED JOB=*jobname*
STEP=*stepname* PROCEDURE
STEP=*procstepname*

Explanation: A program is being executed with PROP SUSP control statements in the //EKYIN data set.

Severity: Information.

System action: DPROP does not perform the propagation described by the PRs that were suspended.

Module: EKYH950X

EKYH954I INVALID CALL OF HUP AUDIT-WRITER

Explanation: This is an internal IMS DPROP error. Module EKYH950X was called with an invalid call function.

Severity: Error.

System action: The HUP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYH950X

EKYH980I TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*

Explanation: This information message is issued with another DPROP error message. It identifies the table qualifier, the table name and the PR involved in the error.

Severity: Information.

System action: Depends on the associated error message.

User response: Respond to the related error message.

Module: EKYH980X

EKYH981I IFI MESSAGE=*message text*

Explanation: This information message is issued with another DPROP error message. It displays the DB2 Instrumentation Facility (IFI) message returned to DPROP.

Severity: Information.

System action: Depends on the associated error message.

User response: Respond to the related error message.

Module: EKYH980X

EKYH982I TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*
COLUMN=*column* EXIT=*exitname*
RC=*returncode*

Explanation: This information message is issued with another DPROP error message. It identifies the table qualifier, the table name, the PR and the column involved in the error, and the name and return code of the exit routine that encountered the error.

Severity: Information.

System action: Depends on the associated error message.

User response: Respond to the related error message.

Module: EKYH980X

EKYH983I DBD=*dbdname* SEGMENT=*segment*
PR=*prid* EXIT=*exitname* RC=*returncode*

Explanation: This information message is issued with another DPROP error message. It identifies the DBD name, the segment name and the PR involved in the error, and the name and return code of the exit routine that encountered the error.

Severity: Information.

System action: Depends on the associated error message.

User response: Respond to the related error message.

Module: EKYH980X

EKYH984I DBD=*dbdname* SEGMENT=*segment*
PR=*prid* FIELD=*field* EXIT=*exitname*
RC=*returncode*

Explanation: This information message is issued with another DPROP error message. It identifies the DBD name, the segment name, the PR and the field involved in the error, and the name and return code of the exit routine that encountered the error.

Severity: Information.

System action: Depends on the associated error message.

User response: Respond to the related error message.

Module: EKYH980X

EKYH985I TABLEQUAL=*qualifier*
TABLENAME=*tablename* PR=*prid*
EXIT=*exitname* RC=*returncode*

Explanation: This information message is issued with another DPROP error message. It identifies the table qualifier, the table name and the column involved in the error, and the name and return code of the exit routine that encountered the error.

Severity: Information.

System action: Depends on the associated error message.

User response: Respond to the related error message.

Module: EKYH980X

EKYH986I TABLEQUAL=*qualifier*
TABLENAME=*tablename*

Explanation: This information message is issued with another DPROP error message. It identifies the table qualifier and the table name involved in the error.

Severity: Information.

System action: Depends on the associated error message.

User response: Respond to the related error message.

Module: EKYH980X

Chapter 10. MQC service messages

EKYI000E IMS BATCH ONLY SUPPORTED WITH RRS=Y ON DLIBATCH OR DBBBATCH PROCEDURE

Explanation: The DPROF EKYMQCAP exit was invoked by IMS in an IMS batch environment. Because, DPROF issues MQ calls, it is required that a 2-Phase commit coordination is done between IMS and MQ. This is only done if you specify a RRS=Y keyword when calling the DLIBATCH or the DBBBATCH JCL procedure.

Severity: Error.

System action: IMS DPROF issues an abend.

User response: Correct the JCL to include the RRS=Y keyword and rerun the jobstep again.

Module: EKYI000X (load module name is EKYMQCAP)

EKYI001E DPROF CAPTURE EXIT ROUTINE FOUND AN INVALID ADDRESS IN 1ST WORD OF THE AREA POINTED TO BY THE XPCB

Explanation: EKYMQCAP expects that the first word of the 256-byte work area the XPCB points to meets one of these requirements:

- it is zero the first time it is called
- it contains the address of the DPROF PTD control block during later calls of EKYMQCAP (DPROF stores this address in the XPCB when the RUP is first called)

However, the content of this first word was neither zero nor pointing to the PTD control block. Possible reasons for this problem include:

- a virtual storage overlay
- the caller of EKYMQCAP does not conform to the rules defined for calling EKYMQCAP:
 - The word that the XPCB points to should be set to binary zeros by the caller of EKYMQCAP, before the first time EKYMQCAP is called.
 - The word should not be changed by the caller after the first call.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: If EKYMQCAP is called by a program performing asynchronous data propagation, check that this program conforms to the rules defined above for calling EKYMQCAP. Also check whether storage was overlaid by IBM code or by non-IBM code. If a storage overlay was created by IBM code, contact the IBM Software Support.

Problem determination: Save the dump.

Module: EKYI000X (load module name is EKYMQCAP)

EKYI010E INITIALIZATION FAILURE

Explanation: During initialization of the DPROF system, an error occurred.

Severity: Error.

System action: The error is handled according to the EKYMQCAP logic for unavailable resources For more information, see Appendix B, "EKYMQCAP error handling," on page 547.

System programmer response: Check for other messages issued by the failing job step to determine the reason for the initialization failure.

Problem determination: Save any trace records created by DPROF in the IMS log or on the //EKYTRACE data set. If DPROF abends, save the dump.

Module: EKYI010X

EKYI011E INITIALIZATION FAILURE - CANNOT ACCESS EKYTRANS

Explanation: During initialization, EKYMQCAP detected an error when trying to access the EKYTRANS file.

Severity: Error.

System action: The error is handled according to the EKYMQCAP logic for unavailable resources For more information, see Appendix B, "EKYMQCAP error handling," on page 547.

User response: Refer to prior messages describing why access to the EKYTRANS file failed. Correct the error and rerun the jobstep.

Problem determination: Save any trace records created by DPROF in the IMS log or on the //EKYTRACE data set. If DPROF abends, save the dump.

Module: EKYI010X

EKYI015E INVALID PHYSICAL CALL FUNCTION IN XPCB PROVIDED BY CALLER

Explanation: The XPCB control block provided by the caller of EKYMQCAP does not contain a valid physical call function.

Severity: Error.

System action: The error is handled according to the EKYMQCAP logic for severe errors For more

information, see Appendix B, “EKYMQCAP error handling,” on page 547.

System programmer response: Determine why the EKYMQCAP caller does not provide a valid physical call function in the XPCB control block.

Problem determination: Save any trace records created by DPRO in the IMS log or on the //EKYTRACE data set. If DPRO abends, save the dump.

Module: EKYI010X

EKYI016E INVALID CALL FUNCTION IN XPCB PROVIDED BY CALLER

Explanation: The XPCB control block provided by the caller of EKYMQCAP does not contain a valid call function.

Severity: Error.

System action: The error is handled according to the EKYMQCAP logic for programming errors. For more information, see Appendix B, “EKYMQCAP error handling,” on page 547.

System programmer response: Determine why the EKYMQCAP caller does not provide a valid call function in the XPCB control block.

Problem determination: Save any trace records created by DPRO in the IMS log or in the //EKYTRACE data set. If DPRO abends, save the dump.

Module: EKYI010X

EKYI017W EVENT MARKER CANNOT BE WRITTEN-DPRO SYSTEM IS STOPPED

Explanation: Either the Capture System utility (CUT) or an application program requested a write of an event marker. However, the DPRO system is emergency stopped so the request cannot be honored.

Severity: Warning.

System action: The event marker is not written and processing is returned to the caller with a return code.

User response: Restart the jobstep after the DPRO system has been reset.

Module: EKYI010X

EKYI018E PRSTREAM PRSTR NOT DEFINED IN //EKYTRANS

Explanation: Either the Capture System utility (CUT) or an application program requested a write of an event marker to at least one PRSTREAM. However the indicated PRSTREAM is not defined in the transmission file EKYTRANS.

Severity: Error.

System action: The event marker is not written to the indicated PRSTREAM and return code of 8 is returned to the caller.

User response: Restart the jobstep after the EKYTRANS file has been updated, or adapt the PRSTREAM name in the CUT input or application program.

Module: EKYI010X

EKYI020E INTERNAL ERROR: INCONSISTENT LENGTH FIELDS

Explanation: After having built a compacted segment image, during verification DPRO detected that the length fields are inconsistent. This is an internal DPRO error.

Severity: Error.

System action: The error is handled according to the EKYMQCAP logic for severe errors. For more information, see Appendix B, “EKYMQCAP error handling,” on page 547.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPRO in the IMS log or on the //EKYTRACE data set. If DPRO abends, save the dump.

Module: EKYI020X

EKYI021E INTERNAL ERROR: UNEXPECTED MQMS6ET FLAG

Explanation: After having built a compacted segment image, during verification DPRO detected that the MQMS6ET flag is incorrectly set. This is an internal DPRO error.

Severity: Error.

System action: The error is handled according to the EKYMQCAP logic for severe errors. For more information, see Appendix B, “EKYMQCAP error handling,” on page 547.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPRO in the IMS log or on the //EKYTRACE data set. If DPRO abends, save the dump.

Module: EKYI020X

**EKYI022E INTERNAL ERROR: LENGTH OF
CHANGED DATA IS INCORRECT**

Explanation: After having built a compacted segment image, during verification DPROF detected that the length of the changed data is incorrect. This is an internal DPROF error.

Severity: Error.

System action: The error is handled according to the EKYMQCAP logic for severe errors For more information, see Appendix B, "EKYMQCAP error handling," on page 547.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROF in the IMS log or on the //EKYTRACE data set. If DPROF abends, save the dump.

Module: EKYI020X

**EKYI023E INTERNAL ERROR: CHANGED DATA IS
INCORRECT**

Explanation: After having build a compacted segment image, during verification DPROF detected that the data of the changed data is incorrect. This is an internal DPROF error.

Severity: Error.

System action: The error is handled according to the EKYMQCAP logic for severe errors For more information, see Appendix B, "EKYMQCAP error handling," on page 547.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROF in the IMS log or on the //EKYTRACE data set. If DPROF abends, save the dump.

Module: EKYI020X

**EKYI024E DPROF COULD NOT SEND AN
MQSERIES MESSAGE**

Explanation: DPROF attempted to send a message to MQ Series, however the MQ manager returned an error.

Severity: Error.

System action: The error is handled according to the EKYMQCAP logic for unavailable resources For more information, see Appendix B, "EKYMQCAP error handling," on page 547.

System programmer response: See other messages preceding this one to further analyze this MQ error. Make sure that MQ is active and operable and that the indicated queue can accept messages.

Module: EKYI020X

**EKYI030E QMANAGER NAME IN //EKYTRANS
CANNOT CHANGE WHEN THE
EKYMQCAP EXIT ROUTINE IS ACTIVE**

Explanation: DPROF detected that the content of the transmission file EKYTRANS has changed. During the reprocessing of these specifications, a QMANAGER name change was detected. However, the QMANAGER name cannot be changed when the EKYMQCAP is active.

Severity: Error.

System action: The error is handled according to the EKYMQCAP logic for unavailable resources For more information, see Appendix B, "EKYMQCAP error handling," on page 547.

User response: Ensure that the QMANAGER name is not changed when a EKYMQCAP exit is active. To change the QMANAGER name, you must first stop all tasks with an active EKYMQCAP exit.

Module: EKYI030X

**EKYI032E INTERNAL DPROF ERROR: ERRORS
IN ADDRESS COMPUTATION**

Explanation: During the processing or reprocessing of the EKYTRANS file, DPROF detected that an address computation is invalid. This is an internal DPROF error.

Severity: Error.

System action: The error is handled according to the EKYMQCAP logic for severe errors For more information, see Appendix B, "EKYMQCAP error handling," on page 547.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROF in the IMS log or on the //EKYTRACE data set. If DPROF abends, save the dump.

Module: EKYI032X

**EKYI040E INVALID STATUS IN STATUS FILE
RECORD**

Explanation: EKYMQCAP found an invalid status in the record of the DPROF status file.

Severity: Error.

System action: The error is handled according to the EKYMQCAP logic for unavailable resources For more information, see Appendix B, "EKYMQCAP error handling," on page 547.

System programmer response: Check that the data set allocated to //EKYMQST is a DPROF status file

initialized by the DPROP CUT. If it is, call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI040X

EKYI041E ERROR WHILE ACCESSING THE STATUS FILE RECORD

Explanation: EKYMQCAP encountered an error while attempting to read the record of the DPROP status file.

Severity: Error.

System action: The error is handled according to the EKYMQCAP logic for unavailable resources. For more information, see Appendix B, "EKYMQCAP error handling," on page 547.

System programmer response: Check for previous error messages issued by the same job step.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI040X

EKYI042E ERRORS WHILE ACCESSING THE //EKYTRANS DEFINITIONS

Explanation: EKYMQCAP encountered an error while attempting to read the transmission definitions in the EKYTRANS file.

Severity: Error.

System action: The error is handled according to the EKYMQCAP logic for unavailable resources. For more information, see Appendix B, "EKYMQCAP error handling," on page 547.

System programmer response: Check for previous error messages issued by the same job step.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI041X

**EKYI050I 'PROP OFF' IS IN EFFECT -- PROPAGATION IS SUPPRESSED
PGM=PGM, DBD=DBD, SEG=SEG,
PRSTREAM=PRSTR**

Explanation: A program is being executed with a PROP OFF control statement in the //EKYIN data set.

Severity: Information.

System action: DPROP does not propagate the updates performed by the current job step.

Module: EKYI055X

**EKYI051I 'PROP OFF' IN EFFECT -- PROPAGATION IS SUPPRESSED
JOB=JOB, STEP=STEP**

Explanation: A program is being executed with a PROP OFF control statement in the //EKYIN data set.

Severity: Information.

System action: DPROP does not propagate the updates performed by the current job step.

Module: EKYI055X

EKYI052E UNEXPECTED ERROR: INVALID CALL FUNCTION

Explanation: The internal DPROP module EKYI055X was called with an invalid call function.

Severity: Error.

System action: DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYI055X

EKYI060E INTERNAL ERROR: INVALID ERROR MESSAGE FORMAT

Explanation: The EKYMQCAP error handler was called with an invalid error message format.

Severity: Error.

System action: DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. Save the dump.

Module: EKYI060X

EKYI061E INVALID REASON CODE, PTDRERSC=RSN

Explanation: The EKYMQCAP error handler was called with an invalid code in field PTDRERSC.

Severity: Error.

System action: DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records

| created by DPROP in the IMS log or on the
| //EKYTRACE data set. Save the dump.

Module: EKYI061X

**EKYI062E INTERNAL ERROR: INVALID VALUE IN
 PTDRETY**

Explanation: The EKYMQCAP error handler was called with an invalid value in field PTDRETY.

Severity: Error.

System action: DPROP abends.

System programmer response: Call IBM Software Support for assistance.

| **Problem determination:** Save any trace records
| created by DPROP in the IMS log or on the
| //EKYTRACE data set. Save the dump.

Module: EKYI061X

**EKYI063E UNRECOGNIZED DL/I STATUS
 CODE=STC, AFTER ROLB CALL**

Explanation: EKYMQCAP found an unrecognized IMS status code after issuing a DL/I ROLB call. This status code is identified in the message. For an explanation of the DL/I status code, see IMS/ESA Application Programming: DL/I Calls.

Severity: Error.

System action: DPROP abends.

| **Problem determination:** Save any trace records
| created by DPROP in the IMS log or on the
| //EKYTRACE data set. Save the dump.

Module: EKYI066X

**EKYI064E UNRECOGNIZED DL/I STATUS
 CODE=STC, AFTER ROLS CALL**

Explanation: EKYMQCAP found an unrecognized IMS status code after issuing a DL/I ROLS call. This status code is identified in the message. For an explanation of the DL/I status code, see IMS/ESA Application Programming: DL/I Calls.

Severity: Error.

System action: DPROP abends.

| **Problem determination:** Save any trace records
| created by DPROP in the IMS log or on the
| //EKYTRACE data set. Save the dump.

Module: EKYI066X

**EKYI065I DPROP IS ISSUING A DL/I ROLB CALL
 FOR PSB=PSBNAME**

Explanation: Because of an error described in previous messages, DPROP issues a DL/I ROLB call to trigger the rollback of the updates made by the current unit of work.

Severity: Information.

System action: DL/I processes the ROLB call.

System programmer response: See previously issued messages that describe why DPROP is issuing a ROLB call. If executing in a batch region, you should use IMS disk logging and the BKO=Y parameter in the IMS batch JCL procedure. If you don't, the DL/I ROLB call may fail.

Module: EKYI066X

**EKYI066I DPROP IS ISSUING A DL/I ROLS CALL
 FOR PSB=PSBNAME**

Explanation: Because of an error described in previous messages, DPROP issues a DL/I ROLS call to trigger the rollback of the updates made by the current unit of work.

Severity: Information.

System action: DL/I processes the ROLS call.

System programmer response: See previously issued messages that describe why DPROP is issuing a ROLS call.

Module: EKYI066X

**EKYI067I DPROP IS ISSUING AN ABEND FOR
 PSB=PSBNAME**

Explanation: Because of an error described in previous messages, DPROP issues an abend.

Severity: Information.

System action: DPROP abends.

System programmer response: See previously issued messages that describe why DPROP is issuing an abend.

Module: EKYI066X

**EKYI091E USER EXIT=EXITN, RETURNED WITH
 RC=RC, DBD=DBD, SEG=SEG,
 PRSTREAM=PRSTR**

Explanation: The user exit routine identified by USER EXIT= signaled an error by returning a nonzero return code. The 2 low-order bytes of the return code are identified by RC=.

Severity: Error.

System action: This depends on the return code

provided by the exit; typically the error is handled according to the EKYMQCAP logic for severe errors. For more information, see Appendix B, “EKYMQCAP error handling,” on page 547.

System programmer response: For information about exit routines, see the appropriate Administrators Guide for your propagation mode and IMS DPROP Customization Guide.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI060X

EKYI300E DPROP INITIALIZATION FAILURE

Explanation: During initialization of the DPROP system, an error occurred.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for unavailable resources. For more information, see Appendix C, “EKYMQAPP error handling,” on page 549.

System programmer response: Check for other messages issued by the failing job step to determine the reason for the initialization failure.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI300X

EKYI301E ERRORS WHILE ACCESSING THE //APPLYIN DEFINITIONS

Explanation: The apply program encountered an error while attempting to read control statements in the APPLYIN file.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for unavailable resources. For more information, see Appendix C, “EKYMQAPP error handling,” on page 549.

User response: Check for previous error messages issued by the same job step.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI302X

EKYI302E APPLY PROGRAM, *APPLY*, ALREADY STARTED

Explanation: The apply program detected that another apply with the same name is already active.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for unavailable resources. For more information, see Appendix C, “EKYMQAPP error handling,” on page 549.

User response: Ensure that each apply in the system has its own name. Correct the applyname and rerun the jobstep again.

Module: EKYI302X

EKYI303E ACCESS TO DPROP DIRECTORY OF *APPLY*, *APPLY*, FAILED

Explanation: The apply program tried to access the DPROP directory, however the execution of the SQL statement failed.

Severity: Error.

System action: If access failed because of timeout or deadlock, DPROP retries the access, in all other cases DPROP abends.

System programmer response: Check for previous error messages issued by the same job step.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI302X

EKYI304E APPLY PROGRAM, *APPLY*, CAN NOT CONNECT TO MQSERIES

Explanation: The connect to MQ manager by the apply program was unsuccessful.

Severity: Error.

System action: DPROP abends.

System programmer response: Check for previous error messages issued by the same job step. Ensure that MQ is active and operational.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI302X

**EKYI307I APPLY PROGRAM, APPLY, MODE
REASON**

Explanation: This information message indicates the mode, either *STOP* or *ABEND* in which the apply program terminates. Additionally, it indicates the reason, which can be one of the following:

- DB2 is stopping
- MQSERIES is stopping
- the operator entered a 'STOP' command
- an event marker with the 'STOPAT' specification applies

Severity: Information.

System action: The apply program terminates.

Module: EKYI302X

**EKYI308W WARNING: IMS BATCH ONLY
SUPPORTED WITH RRS=Y ON
DLIBATCH OR DBBBATCH
PROCEDURE**

Explanation: The Apply Program was invoked in an IMS batch environment. To synchronize between IMS and MQSeries, specify of RRS=Y on the DLIBATCH or DBBATCH JCL procedure. If not, there will be no synchronization between IMS and MQ, and it is possible to lose MQ messages without having updated the databases. Because the Apply cannot check if you have specified RRS=Y, it issues this warning message.

Severity: Warning

System action: Processing continues.

User response: Be sure to have the option RRS=Y specified if you run the Apply Program in an IMS batch environment, or if you run the Apply Program as a BMP.

Module: EKYI301X

**EKYI309W WARNING: IMS BATCH ONLY
SUPPORTED WITH RRS=Y ON
DLIBATCH OR DBBBATCH
PROCEDURE**

Explanation: The Apply Program was invoked in an IMS batch environment. To synchronize between DB2 and MQSeries, the option RRS=Y is required on the DLIBATCH or DBBATCH JCL procedure. If not, there will be no synchronization between DB2 and MQ, and it is possible to lose MQ messages without having updated the tables. Because the Apply cannot check if you have specified RRS=Y, it issues this warning message.

Severity: Warning

System action: Processing continues.

User response: Be sure to have the RRS=Y specified if you run the Apply Program in an IMS batch

environment, or if you run the Apply Program either as a standard batch job or BMP.

Module: EKYI300X (load module name is EKYMQAPP)

**EKYI311E APPLY PROGRAM ENCOUNTERED AN
MQSERIES-RELATED PROBLEM**

Explanation: When trying to read a message from MQSeries, the MQ Manager returned an unexpected return code.

Severity: Error.

System action: DPROP abends.

System programmer response: Check for previous error messages issued by the same job step. Ensure that the MQ manager is active and operable.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI310X

**EKYI312E APPLY PROGRAM ENCOUNTERED A
COMMIT PROBLEM**

Explanation: The Apply Program issued a commit call, but the commit call failed.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for severe errors. For more information, see Appendix C, "EKYMQAPP error handling," on page 549.

System programmer response: Check for previous error messages issued by the same job step. If the problem cannot be solved, call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI310X

**EKYI313E APPLY PROGRAM ENCOUNTERED A
ROLLBACK PROBLEM**

Explanation: The Apply Program issued a rollback call, but the rollback call failed.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for severe errors. For more information, see Appendix C, "EKYMQAPP error handling," on page 549.

System programmer response: Check for previous

error messages issued by the same job step. If the problem cannot be solved, call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPRO in the IMS log or on the //EKYTRACE data set. If DPRO abends, save the dump.

Module: EKYI310X

EKYI315E INTERNAL DPRO LOGIC ERROR

Explanation: An internal DPRO WAIT/POST error occurred.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for severe errors For more information, see Appendix C, "EKYMQAPP error handling," on page 549.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPRO in the IMS log or on the //EKYTRACE data set. If DPRO abends, save the dump.

Module: EKYI310X

EKYI316E UNEXPECTED MQSERIES POST-CODE IN THE ECB USED FOR SIGNALLING AFTER MQGET 'S'

Explanation: The post-code returned by MQSeries has an unexpected value.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for severe errors For more information, see Appendix C, "EKYMQAPP error handling," on page 549.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPRO in the IMS log or on the //EKYTRACE data set. If DPRO abends, save the dump.

Module: EKYI310X

EKYI317I APPLY PROGRAM, APPLY, ACKNOWLEDGES THE STOP COMMAND

Explanation: The operator has issued a STOP command for the apply program.

Severity: Information.

System action: Processing continues for normal termination.

Module: EKYI310X

EKYI318E ERROR RETURNED BY THE MVS/ESA COMPRESS SERVICE QUERY

Explanation: The Apply Program received a compressed message. When initializing the MVS/ESA™ compress service it received an unexpected return code.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for severe errors For more information, see Appendix C, "EKYMQAPP error handling," on page 549.

System programmer response: Ensure that the MVS/ESA compress service is available on the machine. If not, disable compression in the IMS DPRO Capture Component. If the MVS/ESA compress service is available, call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPRO in the IMS log or on the //EKYTRACE data set. If DPRO abends, save the dump.

Module: EKYI310X

EKYI319E ERROR RETURNED BY THE MVS/ESA COMPRESS SERVICE EXPAND

Explanation: The Apply Program received a compressed message. An error was returned by the MVS/ESA compress service when trying to decompress the message.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for severe errors For more information, see Appendix C, "EKYMQAPP error handling," on page 549.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPRO in the IMS log or on the //EKYTRACE data set. If DPRO abends, save the dump.

Module: EKYI310X

EKYI320E MQSERIES INPUT MESSAGE IS NOT AN IMS-DPRO MESSAGE

Explanation: The Apply Program received a message from MQSeries which could not be identified as an IMS DPRO message.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for miscellaneous errors For more information, see Appendix C, “EKYMQAPP error handling,” on page 549.

System programmer response: Ensure that the MQSeries queue read by the Apply Program contains only messages built by the IMS DPROP Capture Component. If so, call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI320X

**EKYI321E INVALID IMS-DPROP MESSAGE-TYPE
IN MQSERIES MESSAGE**

Explanation: The Apply Program received a message from MQSeries which has an invalid IMS DPROP message type.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for miscellaneous errors For more information, see Appendix C, “EKYMQAPP error handling,” on page 549.

System programmer response: Ensure that the MQSeries queue read by the Apply Program contains only messages built by the IMS DPROP Capture Component. If so, call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI320X

**EKYI322E LENGTH OF MESSAGE SECTION IS
NOT POSITIVE IN MQSERIES
MESSAGE**

Explanation: This is probably an internal IMS DPROP error. The length of a message section, within the MQSeries message, is non-positive.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for miscellaneous errors For more information, see Appendix C, “EKYMQAPP error handling,” on page 549.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the

//EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI320X

**EKYI323E INCONSISTENT LENGTH FIELDS IN
MQSERIES MESSAGE**

Explanation: This is probably an internal IMS DPROP error. The end of a message section is beyond the end of a message.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for miscellaneous errors For more information, see Appendix C, “EKYMQAPP error handling,” on page 549.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI320X

**EKYI324E DB CHANGE HEADER NOT FOUND
WITHIN MQSERIES MESSAGE**

Explanation: This is probably an internal IMS DPROP error. When isolating a single database update from the MQSeries message, the required DB change header could not be found.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for miscellaneous errors For more information, see Appendix C, “EKYMQAPP error handling,” on page 549.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI320X

**EKYI325E INCONSISTENT LENGTH FIELDS IN
MQSERIES MESSAGE**

Explanation: This is probably an internal IMS DPROP error. When isolating a single database update from the MQSeries message, the length of a DB update is non-positive.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for miscellaneous errors For more

information, see Appendix C, “EKYMQAPP error handling,” on page 549.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI320X

**EKYI326E INCONSISTENT LENGTH FIELDS
WITHIN BEFORE-CHANGE IMAGE OF
AN IMS DB CHANGE**

Explanation: This is probably an internal IMS DPROP error. The end of a compacted before-change image is beyond the end of the database update end.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for miscellaneous errors For more information, see Appendix C, “EKYMQAPP error handling,” on page 549.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI320X

**EKYI327E UNEXPECTED DATA ELEMENT WITHIN
BEFORE-CHANGE IMAGE OF AN IMS
DB CHANGE**

Explanation: This is probably an internal IMS DPROP error. The compacted before-change image contains invalid data elements.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for miscellaneous errors For more information, see Appendix C, “EKYMQAPP error handling,” on page 549.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI320X

**EKYI328E LENGTH OF DATA ELEMENT IS NOT
POSITIVE WITHIN BEFORE-CHANGE
IMAGE OF AN IMS DB CHANGE**

Explanation: This is probably an internal IMS DPROP error. The compacted before-change image contains an element with an invalid length.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for miscellaneous errors For more information, see Appendix C, “EKYMQAPP error handling,” on page 549.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI320X

**EKYI329E UNEXPECTED LENGTH OF THE
RECONSTRUCTED BEFORE-CHANGE
IMAGE**

Explanation: This is probably an internal IMS DPROP error. The reconstructed before-change image has an unexpected length.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for miscellaneous errors For more information, see Appendix C, “EKYMQAPP error handling,” on page 549.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI320X

**EKYI330E MQSERIES MESSAGE DOES NOT
CONSIST OF THE EXPECTED
MESSAGE SECTION STRUCTURE**

Explanation: This is probably an internal IMS DPROP error. The MQSeries message contains an unidentifiable message section.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for miscellaneous errors For more information, see Appendix C, “EKYMQAPP error handling,” on page 549.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROB in the IMS log or on the //EKYTRACE data set. If DPROB abends, save the dump.

Module: EKYI320X

EKYI335E APPLY PROGRAM ENCOUNTERED A PROBLEM WHILE TRYING TO INSERT AN EVENTMARKER ROW

Explanation: The Apply Program encountered an SQL error when trying to insert a row in the EVENTMARKER table.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for severe errors. For more information, see Appendix C, "EKYMQAPP error handling," on page 549.

System programmer response: Check for previous error messages issued by the same job step. Ensure that the EVENTMARKER table exists and that rows can be stored by the Apply Program.

Module: EKYI330X

EKYI336E APPLY PROGRAM ENCOUNTERED A PROBLEM WHILE TRYING TO DELETE EVENTMARKER ROWS

Explanation: The Apply Program encountered an SQL error when trying to delete rows from the EVENTMARKER table.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for severe errors. For more information, see Appendix C, "EKYMQAPP error handling," on page 549.

System programmer response: Check for previous error messages issued by the same job step. Ensure that the EVENTMARKER table exists.

Module: EKYI330X

EKYI337E INTERNAL ERROR: UNEXPECTED CALL FUNCTION FOR EKYI330X

Explanation: This is an internal IMS DPROB error. The IMS DPROB module EKYI330X was called with an invalid call function.

Severity: Error.

System action: IMS DPROB issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYI330X

EKYI338I IBM APPLY PROGRAM WITH JOBNAME=APPLY, PROCESSING AN EVENT MARKER WITH ID=ID, SOURCE SYSTEM SYSID=SYSID, JOB=JOB, TIMESTAMP=TS

Explanation: This informational message acknowledges that the IMS Apply Program is processing a received event marker. The message lists:

- The jobname of the IMS Apply program
- The ID of the event marker
- The IMS-ID and job that issued the event marker
- The timestamp when the event marker was created

Severity: Information.

System action: Processing continues.

Module: EKYI331X

EKYI339I APPLY PROGRAM PROCESSING AN EVENT MARKER WITH ID=ID SOURCE SYSTEM SYSID=SYSID, JOB=JOB, TIMESTAMP=TS

Explanation: This informational message acknowledges that the Apply Program is processing a received event marker. The message lists:

- The ID of the event marker
- The IMS-ID and jobname that issued the event marker
- The timestamp when the event marker was created

Severity: Information.

System action: Processing continues.

Module: EKYI330X

EKYI340E INTERNAL ERROR: UNEXPECTED CONTROL STATEMENT IN //APPLYIN

Explanation: When processing the user input, an unexpected control statement is encountered. However this should have been detected by other DPROB modules. Therefore, it is probably an internal IMS DPROB error.

Severity: Error.

System action: DPROB abends.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYI340X

EKYI341E INTERNAL ERROR: UNEXPECTED OPERAND IN A //APPLYIN CONTROL STATEMENT

Explanation: When processing the user input, an unexpected operand was encountered. However this

should have been detected by other DPROP modules. Therefore, it is probably an internal IMS DPROP error.

Severity: Error.

System action: DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYI340X

**EKYI342E INVALID TIMESTAMP VALUE IN A
 //APPLYIN CONTROL STATEMENT**

Explanation: The timestamp provided by the user in the control statements is invalid.

Severity: Error.

System action: DPROP abends.

User response: Correct the timestamp value and resubmit the jobstep again.

Module: EKYI340X

**EKYI343E ONE OR MORE ERRORS IN //APPLYIN
 INPUT RECORDS**

Explanation: The control statements in the //APPLYIN data set have one or more errors. Refer to previously issued messages for a detailed description of the errors.

Severity: Error.

System action: DPROP issues an abend.

User response: Check for other messages for further information about the problem. Correct it and resubmit the job.

Module: EKYI340X

**EKYI344E //APPLYIN DOES NOT CONTAIN ANY
 INPUT RECORDS**

Explanation: The APPLYIN data set is empty.

Severity: Error.

System action: DPROP issues an abend.

User response: Correct the input in the APPLYIN data set and resubmit the job.

Module: EKYI340X

**EKYI345E //APPLYIN DOES NOT CONTAIN ANY
 CONTROL STATEMENT**

Explanation: The APPLYIN data set does not contain a valid control statement.

Severity: Error.

System action: DPROP issues an abend.

User response: Correct the input in the APPLYIN data set and resubmit the job.

Module: EKYI340X

**EKYI346E ERRORS WHILE READING //APPLYIN
 INPUT RECORDS**

Explanation: The Apply Program was unable to read the APPLYIN data set. This can be because of an invalid record format or an invalid data set organization.

Severity: Error.

System action: DPROP issues an abend.

User response: Ensure that the format of the APPLYIN data set is correct and resubmit the job.

Module: EKYI340X

**EKYI347E INVALID VALUE FOR DETAIL=
 KEYWORD**

Explanation: A value for the DETAIL= keyword is not one of the accepted keywords.

Severity: Error.

System action: DPROP issues an abend.

User response: Correct the control statement and resubmit the jobstep.

Module: EKYI340X

**EKYI348E INVALID VALUE FOR FREQUENCY=
 KEYWORD**

Explanation: The value of the FREQUENCY= keyword is invalid.

Severity: Error.

System action: DPROP issues an abend.

User response: Correct the control statement and resubmit the jobstep.

Module: EKYI340X

**EKYI349E INVALID VALUE FOR AFTER=
 KEYWORD**

Explanation: The value of the AFTER= keyword is invalid.

Severity: Error.

System action: DPROP issues an abend.

User response: Correct the control statement and resubmit the jobstep.

Module: EKYI340X

EKYI351E ID'S ARE NOT UNIQUE ON STOPAT CONTROL STATEMENTS

Explanation: The control statements of the Apply Program contain multiple STOPAT commands with the same ID. However the IDs of the STOPAT commands must be unique.

Severity: Error.

System action: DPROG issues an abend.

User response: Correct the control statement and resubmit the jobstep.

Module: EKYI340X

EKYI352E PROVIDE ONE AND ONLY ONE QMANAGER CONTROL STATEMENT

Explanation: The control statements of the Apply Program contain multiple QMANAGER commands. However only one QMANAGER control statement is allowed.

Severity: Error.

System action: DPROG issues an abend.

User response: Correct the control statement and resubmit the jobstep.

Module: EKYI340X

EKYI353E PROVIDE ONE AND ONLY ONE QUEUE CONTROL STATEMENT

Explanation: The control statements of the Apply Program contain multiple QUEUE commands. However only one QUEUE control statement is allowed.

Severity: Error.

System action: DPROG issues an abend.

User response: Correct the control statement and resubmit the jobstep.

Module: EKYI340X

EKYI354E PROVIDE ONE AND ONLY ONE DB2 CONTROL STATEMENT

Explanation: The control statements of the Apply Program contain multiple DB2 commands. However only one DB2 control statement is allowed.

Severity: Error.

System action: DPROG issues an abend.

User response: Correct the control statement and resubmit the jobstep.

Module: EKYI340X

EKYI355E PROVIDE ONE AND ONLY ONE APPLY CONTROL STATEMENT

Explanation: The control statements of the Apply Program contain multiple APPLY commands. However only one APPLY control statement is allowed.

Severity: Error.

System action: DPROG issues an abend.

User response: Correct the control statement and resubmit the jobstep.

Module: EKYI340X

EKYI356E INVALID VALUE FOR THE SHARE= OPERAND

Explanation: The value of the SHARE= keyword is invalid.

Severity: Error.

System action: DPROG issues an abend.

User response: Correct the control statement and resubmit the jobstep.

Module: EKYI340X

EKYI357E DB2 CONTROL STATEMENT NOT SUPPORTED IN AN IMS ENVIRONMENT

Explanation: The control statements of the Apply Program contain the DB2 control statement. However, the Apply Program is running in an IMS environment where the connection to DB2 is established by IMS. Therefore, the DB2 control statement is not allowed when the Apply Program runs in an IMS environment.

Severity: Error.

System action: DPROG issues an abend.

User response: Remove the DB2 control statement and resubmit the jobstep.

Module: EKYI340X

EKYI358E INVALID VALUE FOR CATEGORY= KEYWORD

Explanation: The value of the CATEGORY= keyword is invalid.

Severity: Error.

System action: DPROG issues an abend.

User response: Correct the control statement and resubmit the jobstep.

Module: EKYI340X

EKYI359E INTERNAL ERROR: INVALID CALL FUNCTION

Explanation: The internal DPROP module EKYI355X was called with an invalid call function.

Severity: Error.

System action: DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI355X

EKYI360E INTERNAL ERROR: INVALID ERROR MESSAGE FORMAT

Explanation: The EKYMQAPP error handler was called with an invalid error message format.

Severity: Error.

System action: DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI360X

EKYI361E INVALID REASON CODE, PTDRERSC=RSN

Explanation: The EKYMQAPP error handler was called with an invalid code in field PTDRERSC.

Severity: Error.

System action: DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI361X

EKYI362E INTERNAL ERROR: INVALID VALUE IN PTDRETY

Explanation: The EKYMQAPP error handler was called with an invalid value in field, PTDRETY.

Severity: Error.

System action: DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI361X

EKYI363E DPROP ABENDS BECAUSE ROLLBACK FAILED

Explanation: The EKYMQAPP error handler was issuing a rollback call, but the rollback call failed.

Severity: Error.

System action: DPROP abends.

System programmer response: Check for previous error messages issued by the same job step. If the problem cannot be solved, call IBM Software Support for assistance.

| **Problem determination:** Save any trace records
| created by DPROP in the IMS log or on the
| //EKYTRACE data set. Save the dump.

Module: EKYI366X

EKYI366E INVALID CALL FUNCTION FOR EKYI368X

Explanation: The internal DPROP module EKYI368X was called with an invalid call function.

Severity: Error.

System action: DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

| **Module:** EKYI368X

EKYI367I DPROP IS ISSUING AN ABEND

Explanation: This information message from the EKYMQAPP error handler indicates that the Apply Program will abend.

Severity: Information

System action: DPROP abends.

User response: Check for previous error messages issued by the same job step to find out why the Apply Program is abending.

Module: EKYI366X

**EKYI368I DPROP IS ISSUING AN ABEND FOR
FAILURE CATEGORY=CATEGORY;
CONSIDER USING A FAILURE
CONTROL STATEMENT**

Explanation: An error of the indicated category occurred. Because of this, DPROP is issuing an abend.

Severity: Information.

System action: DPROP abends.

User response: If you want to bypass this error, consider specifying a FAILURE control statement in the APPLYIN data set.

Module: EKYI366X

**EKYI369E SQL ERROR ACCESSING THE
ERRORTAB TABLE,
OPERATION=SQLOP**

Explanation: The Apply Program encountered an SQL error when trying to execute an SQL statement for the ERRORTAB table.

Severity: Error.

System action: Processing continues.

System programmer response: Check for other messages further explaining the SQL error.

Module: EKYI368X

EKYI370E UNEXPECTED QEDIT RETURN-CODE

Explanation: When trying to free an acquired CIB, the MVS QEDIT macro returned an unexpected return code.

Severity: Error.

System action: DPROP abends.

System programmer response: Check for previous error messages issued by the same job step.

Module: EKYI370X

EKYI371E UNEXPECTED QEDIT RETURN-CODE

Explanation: When trying to set the CIBCTR to 1, the MVS QEDIT macro returned an unexpected return code.

Severity: Error.

System action: DPROP abends.

System programmer response: Check for previous error messages issued by the same job step.

Module: EKYI370X

EKYI374I NEW STATISTIC CYCLE STARTED

Explanation: This is an information message which indicates that a new statistic cycle has been initiated because of the operator MODIFY command.

Severity: Information

System action: Processing continues.

Module: EKYI371X

**EKYI375W APPLY PROGRAM IS IN ITS
INITIALIZATION PHASE**

Explanation: The operator entered a MODIFY command. However the Apply Program is in its initialization phase and cannot respond to it.

Severity: Warning

System action: Processing continues.

User response: Wait until the Apply Program has completed the initialization phase and reissue the MODIFY command again.

Module: EKYI371X

**EKYI376W APPLY PROGRAM WAITING ON
CONNECTION TO DB2, DB2**

Explanation: This information message indicates that the Apply Program is waiting to connect to DB2 and cannot respond to the operator MODIFY command.

Severity: Warning

System action: Processing continues.

Module: EKYI371X

**EKYI377W APPLY PROGRAM WAITING ON
CONNECTION TO MQSERIES QUEUE
MANAGER, MQS**

Explanation: This information message indicates that the Apply Program is waiting to connect to MQSeries and cannot respond to the operator MODIFY command.

Severity: Warning

System action: Processing continues.

Module: EKYI371X

**EKYI378W INVALID MODIFY COMMAND FOR
APPLY PROGRAM**

Explanation: The operator entered a MODIFY command. However, this command is not correct and cannot be processed by the Apply Program.

Severity: Warning.

System action: The MODIFY command is ignored.

User response: Correct the MODIFY command and reissue it again.

Module: EKYI371X

EKYI379I *statistic record*

Explanation: This information message contains the summary statistic displayed upon operator request by the Apply Program. It contains the following information:

NUMBER OF MQGET: *nnnnn*

indicates the number of MQ messages read and processed by the Apply Program so far.

NUMBER OF DB UPDATES: *nnnnn*

indicates the number of source database updates processed by the Apply Program so far.

Severity: Information.

Module: EKYI371X

EKYI380E **ERROR WHILE USING RRSAF SERVICES FOR DB2 SYSTEM,
DB2SSNMFUNCTION=FUN, RC=RC,
RSNC=RSNC**

Explanation: In order to use DB2, the Apply Program issued the RRSAF function identified in the message. The RRSAF call returned an unexpected return code and the reason code identified in the message.

Severity: Error.

System action: DPROP abends.

System programmer response: Check for other messages further explaining the error.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI380X

EKYI381E **INTERNAL ERROR: INVALID CALL-FUNCTION**

Explanation: The internal DPROP module EKYI380X was called with an invalid call function.

Severity: Error.

System action: DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI380X

EKYI382E **INTERNAL ERROR: INVALID CONNECT CALL**

Explanation: Module EKYI380X was invoked to connect to RRSAF. However, the Apply Program is already connected. This is an internal DPROP error.

Severity: Error.

System action: DPROP abends

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI380X

EKYI383E **INTERNAL ERROR: MISSING SUCCESSFUL CONNECT CALL**

Explanation: Module EKYI380X was invoked to test the availability of DB2. However, the Apply Program is not connected to RRSAF. This is an internal DPROP error.

Severity: Error.

System action: DPROP abends

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI380X

EKYI384E **ACCESS TO DPRMASTER TABLE FAILED**

Explanation: The Apply Program encountered an SQL error when trying to read the DPRMASTER table.

Severity: Error.

System action: DPROP abends.

System programmer response: Check for other messages issued in the same job step to identify the SQL error that occurred.

Module: EKYI380X

EKYI385E **APPLY PROGRAM, APPLY, WAITING ON CONNECTION TO DB2**

Explanation: The Apply Program tried to connect to DB2. However, the DB2 subsystem was not ready.

Severity: Error.

System action: Processing continues.

System programmer response: Check for other messages issued in the same job step to identify why DB2 is not ready.

Module: EKYI380X

EKYI386W DB2 FEEDBACK WHEN TRYING TO CALL DB2 RRS ATTACH FACILITY FOR DB2, DB2SSNM FUNCTION=FUN, RC=RC, RSNC=RSNC

Explanation: In order to use DB2, the Apply Program issued the RRSF function identified in the message. The RRSF call returned the return code and reason code identified in the message.

Severity: Warning.

System action: Processing continues.

System programmer response: Make sure that RRS and DB2 are active.

Module: EKYI380X

EKYI390W APPLY PROGRAM, APPLY, WAITING ON CONNECTION TO MQSERIES

Explanation: The Apply Program tried to connect to MQSeries. However, the MQ manager was not ready.

Severity: Error.

System action: Processing continues.

System programmer response: Check for other messages issued in the same job step to identify why the MQ manager is not ready.

Module: EKYI390X

EKYI392E APPLY PROGRAM, APPLY, ENCOUNTERED A MQSERIES RELATED PROBLEM

Explanation: When issuing a commit or rollback call to MQSeries, the Apply Program received an unexpected return code.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for severe errors For more information, see Appendix C, "EKYMQAPP error handling," on page 549.

System programmer response: Check for other messages issued in the same job step to identify why MQ returned this error.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI392X

EKYI393E INTERNAL ERROR: INVALID CALL FUNCTION FOR EKYI392X

Explanation: The internal DPROP module EKYI392X was called with an invalid call function.

Severity: Error.

System action: DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYI392X

EKYI394I APPLY PROGRAM, APPLY, IS PERFORMING A BACKOUT

Explanation: This is an informational message indicating that the DPROP Apply Program is performing a backout.

Severity: Information.

System action: Processing continues.

Module: EKYI392X

EKYI395E DL1 ROLB CALL FAILED WITH STATUS CODE, STC

Explanation: When issuing an IMS ROLB call, the Apply Program received an unexpected status code.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for severe errors For more information, see Appendix C, "EKYMQAPP error handling," on page 549.

System programmer response: Check for other messages issued in the same job step to further identify the error.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI392X

EKYI396E DL1 CHKP CALL FAILED WITH STATUS CODE, STC

Explanation: When issuing an IMS CHKP call, the Apply Program received an unexpected status code.

Severity: Error.

System action: The error is handled according to the EKYMQAPP logic for severe errors For more information, see Appendix C, "EKYMQAPP error handling," on page 549.

System programmer response: Check for other

messages issued in the same job step to further identify the error.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI392X

EKYI402E FULLY CONCATENATED KEY NOT RECEIVED FOR DBD=*dbd*, SEG=*seg*

Explanation: The fully concatenated key was not received by the IMS Apply program.

Severity: Error.

System action: The error is handled according to the IMS Apply program logic for severe errors. Refer to Appendix D, "IMS Apply program error handling," on page 551 for more information.

System programmer response: Check for other messages that were issued in the same job step to further identify the error. Save any trace records that were created by IMS DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI321X

EKYI403E EXISTING SEGMENT IMAGE IN DATABASE DOES NOT MATCH BEFORE IMAGE ON SOURCE SYSTEM DATABASE IS *dbd*, SEGMENT IS *seg*

Explanation: The VERIFY control statement was specified for the DBD/SEG that is identified in the message. The IMS Apply program has determined that the *before image* of the data that was sent by the source system does not match the data that is presently contained within the target database that is to be replaced or deleted.

Severity: Error.

System action: The error is handled according to the IMS Apply program logic for severe errors. Refer to Appendix D, "IMS Apply program error handling," on page 551 for more information.

System programmer response: Check for other messages that were issued in the same job step to further identify the error. Save any trace records that were created by IMS DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI321X

EKYI407E DLI DATABASE CALL FAILED DURING IMS TO IMS PROPAGATION PROPAGATING DBD=*dbd*, SEGMENT=*seg* ISSUED DLI COMMAND WAS *dlicmd*

Explanation: The IMS Apply program issued a DLI command that was unsuccessful.

Severity: Error.

System action: The error is handled according to the IMS Apply program logic for severe errors. Refer to Appendix D, "IMS Apply program error handling," on page 551 for more information.

System programmer response: Check for other messages that were issued in the same job step to further identify the error. Save any trace records that were created by IMS DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI321X

EKYI408E UNABLE TO PROPAGATE NONUNIQUE SEGMENT - DOES NOT EXIST IN TARGET DATABASE PROPAGATING DBD=*dbd*, SEGMENT=*seg*

Explanation: A non-unique target database segment could not be retrieved.

Severity: Error.

System action: The error is handled according to the IMS Apply program logic for severe errors. Refer to Appendix D, "IMS Apply program error handling," on page 551 for more information.

System programmer response: Check for other messages that were issued in the same job step to further identify the error. Save any trace records that were created by IMS DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI321X

EKYI421W UPDATE DELAY COMPUTATION RESULTS IN NEGATIVE VALUE - SYNCHRONIZE TOD-CLOCKS

Explanation: When computing the delay (like the time difference of when the message was passed to MQ on the source system and when the database update was done on the target system) the Apply Program found a negative value. This indicates that the TOD-CLOCKS of the two systems are not synchronized.

Severity: Warning.

System action: Processing continues.

System programmer response: Synchronize the TOD-CLOCKS of the source and target system to avoid

this message and to get a correct statistic.

Module: EKYI420X

EKYI430I *statistic record*

Explanation: This information message contains either the summary or current cycle statistic. This is an explanation of the fields:

SYS the IMS-ID

DBDNAME
 the dbdname of the database

SEGNAME
 the segment name

PSBNAME
 the psbname used

INSERT
 the number of inserts processed

REPLACE
 the number of replaces processed

DELETE
 the number of deletes processed

ERRORS
 the number of database updates which could not be applied

AVG the average propagation delay

MIN the minimal propagation delay

MAX the maximal propagation delay

LAST MESSAGE TIMESTAMP
 the timestamp of the last processed message

DELAY the delay of the last processed message

Note that all names and numbers refer to the source system. The delay is calculated as the time difference between when the message was passed to MQ on the source system and when the database update was done on the target system.

Severity: Information.

System action: Processing continues.

Module: EKYI430X

EKYI431I **THERE IS NO INFORMATION TO DISPLAY**

Explanation: The operator requested the display of some statistics, however there is nothing to display. Either the current cycle has not processed any database update until now, or the Apply Program did not process anything at all.

Severity: Information.

System action: Processing continues.

Module: EKYI430X

EKYI432I **DPROP MQAPPLY <APPLYNAME> SUMMARY STATISTIC**

Explanation: This information message indicates that the statistic following this message is a summary statistic.

Severity: Information.

System action: Processing continues.

Module: EKYI430X

EKYI433I **DPROP MQAPPLY <APPLYNAME> STATISTIC SINCE YYYY-MM-DD-HH.MM.SS**

Explanation: This information message indicates that the statistic following this message is a cycle statistic. The message indicates the start time of the cycle.

Severity: Information.

System action: Processing continues.

Module: EKYI430X

EKYI434I **DPROP MQAPPLY <APPLYNAME> LAST MESSAGE STATISTIC**

Explanation: This information message indicates that the statistic following this message is the last message statistic, which gives information about the last processed message.

Severity: Information.

System action: Processing continues.

Module: EKYI430X

EKYI440E **INTERNAL ERROR: UNEXPECTED CALL FUNCTION FOR EKYI440X**

Explanation: The internal DPROP module EKYI440X was called with an invalid call function.

Severity: Error.

System action: DPROP abends.

System programmer response: Call IBM Software Support for assistance. Save any trace records created by IMS DPROP in the IMS log or on the //EKYTRACE data set. Save the dump.

Module: EKYI440X

EKYI441E **OPEN OF CURSOR FAILED FOR DPROP DIRECTORY**

Explanation: The Apply program encountered an error while trying to open a DB2 cursor on the DPROP directory.

| **Severity:** Error.
| **System action:** DPROB abends.
| **System programmer response:** Check for other
| messages further explaining the error. Save any trace
| records created by IMS DPROB, and save the dump.
| Call IBM Software Support for assistance.
| **Module:** EKYI440X

| **EKYI442E FETCH OF CURSOR FAILED FOR**
| **DPROB DIRECTORY**

| **Explanation:** The Apply program encountered an error
| while trying to fetch a DB2 cursor on the DPROB
| directory.

| **Severity:** Error.

| **System action:** DPROB abends.

| **System programmer response:** Check for other
| messages further explaining the error. Save any trace
| records created by IMS DPROB, and save the dump.
| Call IBM Software Support for assistance.

| **Module:** EKYI440X

| **EKYI443E ERROR ACCESSING THE DPRTAB**
| **DPROB DIRECTORY**

| **Explanation:** The Apply program encountered an error
| while accessing the DPRTAB DPROB directory table.

| **Severity:** Error.

| **System action:** DPROB abends.

| **System programmer response:** Check for other
| messages further explaining the error. Save any trace
| records created by IMS DPROB, and save the dump.
| Call IBM Software Support for assistance.

| **Module:** EKYI440X

| **EKYI451E ERROR UPDATING**
| **ASN.IBMSNAP_REGISTER TABLE**

| **Explanation:** An error was encountered when the
| Apply program attempted to update the DB2 DPROB
| registration table: ASN.IBMSNAP_REGISTER.

| **Severity:** Error.

| **System action:** DPROB abends.

| **System programmer response:** Check for other
| messages further explaining the error. Save any trace
| records created by IMS DPROB, and save the dump.
| Call IBM Software Support for assistance.

| **Module:** EKYI450X

EKYI469E DLI ERROR ACCESSING THE
EKYERRDB DATABASE WITH
CMD=dlicmd

Explanation: The IMS Apply program encountered an
error when trying to access the EKYERRDB database.

Severity: Error.

System action: Processing continues.

System programmer response: Check for other
messages further explaining the error. Save any trace
records created by IMS DPROB in the IMS log or on
the //EKYTRACE data set. If DPROB abends, save the
dump.

Module: EKYI369X

EKYI470E INVALID CALL FUNCTION FOR
EKYI369X

Explanation: The internal DPROB module EKYI369X
was called with an invalid call function.

Severity: Error.

System action: DPROB abends.

System programmer response: Call IBM Software
Support for assistance. Save any trace records created
by IMS DPROB in the IMS log or on the //EKYTRACE
data set. Save the dump.

Module: EKYI369X

| **EKYI471E DLI ERROR ACCESSING THE**
| **EKYEVMDDB WITH CMD=dlicmd**

| **Explanation:** The IMS Apply program encountered an
| error when trying to access the EKYEVMDDB database.

| **Severity:** Error.

| **System action:** Processing continues.

| **System programmer response:** Check for other
| messages further explaining the error. Save any trace
| records created by IMS DPROB in the IMS Log or on
| the //EKYTRACE data set. If DPROB abends, save the
| dump.

| **Module:** EKYI331X

| **EKYI472E INVALID CALL FUNCTION FOR**
| **EKYI331X**

| **Explanation:** The internal DPROB module EKYI331X
| was called with an invalid call function.

| **Severity:** Error.

| **System action:** DPROB abends.

| **System programmer response:** Save any trace
| records created by IMS DPROB in the IMS Log or on
| the //EKYTRACE data set. Save the dump. Call IBM
| Software Support for assistance.

EKYI600I **FC KEY=FCKEY** The variable *FCKEY* describes in hexadecimal format up to 50 bytes of the IMS fully concatenated key of a segment involved in a propagation failure. The propagation failure is described in previously written messages. If the first 50 positions of the IMS fully concatenated key are not sufficient, you can find the entire IMS fully concatenated key in the DPROP trace records written to the IMS log or to the //EKYTRACE data set.

Severity: Information.

System programmer response: Check previously written error messages.

Module: EKYI060X, EKYI360X

EKYI900E DPROP INITIALIZATION FAILURE

Explanation: During initialization of the DPROP system, an error occurred.

Severity: Error.

System action: Processing is terminated with a return code.

System programmer response: Check for other messages issued by the failing job step to determine the reason for the initialization failure.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI900X

EKYI901E ERRORS WHILE PROCESSING THE UTILITY CONTROL STATEMENTS

Explanation: While processing the utility control statements, the CUT detected an error.

System action: Processing is terminated with a return code.

System programmer response: Check for other messages to identify the cause of the error.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI900X

EKYI902E INTERNAL DPROP ERROR: UNEXPECTED CONTROL STATEMENT

Explanation: When processing the user input, an unexpected control statement was encountered. However, this should have been detected by other DPROP modules. Therefore, it is probably an internal IMS DPROP error.

Severity: Error.

System action: Processing is terminated with a return code.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI900X

EKYI903E ACCESS TO //EKMQRST FILE FAILED

Explanation: The CUT tried to access the EKMQRST file. However, this internal DPROP function failed.

Severity: Error.

System action: Processing is terminated with return code.

System programmer response: Check for previous error messages issued by the same job step.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI900X

EKYI905I LIST OF CONTROL STATEMENTS IN //EKYCUT FOLLOWS

Explanation: This information message indicates that a listing of the control statement for the CUT utility follows.

Severity: Information.

System action: Processing continues.

Module: EKYI900X

EKYI907I PROCESSING OF ABOVE CONTROL STATEMENT COMPLETED WITH RC=RC

Explanation: This information message indicates that the listed control statement has been processed by the CUT utility and ended with the specified return code.

Severity: Information.

System action: Processing continues.

Module: EKYI900X

**EKYI908E ONE OR MORE ERRORS
ENCOUNTERED DURING THE
PROCESSING OF ABOVE CONTROL
STATEMENT - RC=RC**

Explanation: This message indicates that the listed control statement has been processed by the CUT utility with one or more errors.

Severity: Error.

System action: Processing is terminated with a return code.

User response: Check for previous messages to further determine the cause of the errors.

Module: EKYI900X

**EKYI909I END OF UTILITY PROCESSING -
RC=RC**

Explanation: This information message indicates that the CUT utility has processed all control statements and terminated its processing with the specified return code.

Severity: Information.

System action: Processing terminated with the indicated return code.

Module: EKYI900X

**EKYI910E VALUE OF DPROP= OPERAND IS NOT
THE NAME OF A GENERATED DPROP
SYSTEM**

Explanation: The name specified on the DPROP= operand is not the name of a DPROP system generated in the EKYGSYS macro.

Severity: Error.

System action: Processing terminates with a return code.

User response: Be sure that the name specified in the DPROP= operand is the same as one coded in the EKYGSYS macro. Correct the control statement and rerun the jobstep.

Module: EKYI910X

**EKYI911E SPECIFIED DPROP SYSTEM NAME
HAS NOT BEEN GENERATED AS AN
MQCAPTURE SYSTEM**

Explanation: The CUT utility can be used only for DPROP MQCAPTURE systems. The specified DPROP system name, however, is not of type MQCAPTURE.

Severity: Error.

System action: Processing terminates with a return code.

User response: Be sure that you specified the correct DPROP system. If so, then the EKYGSYS macro must be adapted.

Module: EKYI910X

**EKYI912E IT WAS NOT POSSIBLE TO CREATE
THE STATUS FILE RECORD**

Explanation: Errors occurred when trying to create the status file record.

Severity: Error.

System action: Processing terminates with a return code.

User response: Check for previous messages to further determine the cause of the errors.

Module: EKYI910X

**EKYI915E CAPTURE UTILITY ENCOUNTERED AN
MQSERIES RELATED PROBLEM**

Explanation: When trying to send an event marker to MQSeries, the MQ Manager returned an unexpected return code.

Severity: Error.

System action: Processing terminates with a return code.

System programmer response: Check for previous error messages issued by the same job step. Ensure that the MQ manager is active and operable.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI915X

**EKYI920I CAPTURE ACTIVITIES OF DPROP
SYSTEM, *SYSTEM* ARE NOW *STATUS***

Explanation: This informational message displays the status of the DPROP system after a change has been performed, or if its display is requested.

Severity: Information.

System action: Processing continues.

Module: EKYI912X, EKYI914X

**EKYI921E DPROP SYSTEM, *SYSTEM*, IS
ALREADY IN REQUESTED STATUS**

Explanation: A request was made to change the status of a DPROP system. However, the indicated DPROP system is already in the requested status.

Severity: Error.

System action: Processing terminates with a return code.

Module: EKYI912X

EKYI922E IT WAS NOT POSSIBLE TO ACCESS THE STATUS FILE

Explanation: The CUT utility was unable to access the status file of the DPROP system and was unable to perform the required changes.

Severity: Error.

System action: Processing terminates with a return code.

User response: Check for previous messages to further determine the cause of the errors.

Module: EKYI912X, EKYI914X

EKYI923E IT WAS NOT POSSIBLE TO UPDATE THE STATUS FILE

Explanation: The CUT utility was not able to update the status file of the DPROP system.

Severity: Error.

System action: Processing terminates with a return code.

User response: Check for previous messages to further determine the cause of the errors.

Module: EKYI912X

EKYI924E INTERNAL ERROR: UNEXPECTED CONTROL STATEMENT

Explanation: When processing the user input, an unexpected control statement was encountered. However, this should have been detected by other DPROP modules. Therefore, it is probably an internal IMS DPROP error.

Severity: Error.

System action: Processing is terminated with return code.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI912X

EKYI925E STATUS FILE RECORD CONTAINS AN INVALID VALUE IN STATUS FIELD

Explanation: The CUT utility found an invalid status in the record of the DPROP status file.

Severity: Error.

System action: Processing is terminated with return code.

System programmer response: Check that the data set allocated to //EKYMQST is a DPROP status file. If it is, call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI912X, EKYI914X

EKYI926W IT WAS NOT POSSIBLE TO ACCESS THE STATUS FILE

Explanation: The CUT was not able to access the status file of the DPROP system.

Severity: Error.

System action: Processing is terminated with return code.

System programmer response: Check for previous error messages issued by the same job step. Allocate the DPROP status file in the JCL.

Module: EKYI911X

EKYI940E INTERNAL ERROR: UNEXPECTED CONTROL STATEMENT IN //CUTIN

Explanation: When processing the user input, an unexpected control statement was encountered. However, this should have been detected by other DPROP modules. Therefore, it is probably an internal IMS DPROP error.

Severity: Error.

System action: Processing is terminated with a return code.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYI940X

EKYI941E INIT DPROP CONTROL STATEMENT IS INCOMPATIBLE WITH OTHER CONTROL STATEMENTS

Explanation: The INIT DPROP control statement cannot be provided with other control statements.

Severity: Error.

System action: Processing is terminated with a return code.

User response: Correct the input and rerun the jobstep.

Module: EKYI940X

**EKYI942E PREVIOUS CONTROL STATEMENT IS
INCOMPATIBLE WITH "INIT DPROP"
CONTROL STATEMENT**

Explanation: The INIT DPROP control statement cannot be provided with other control statements.

Severity: Error.

System action: Processing is terminated with a return code.

User response: Correct the input and rerun the jobstep.

Module: EKYI940X

**EKYI943E "EM" CONTROL STATEMENT IS
INCOMPATIBLE WITH PREVIOUS
ESTOP CONTROL STATEMENT**

Explanation: The EM control statement cannot be issued when a DPROP system is in ESTOP state.

Severity: Error.

System action: Processing is terminated with a return code.

User response: Correct the input and rerun the jobstep.

Module: EKYI940X

**EKYI944E INTERNAL ERROR: UNEXPECTED
OPERAND IN A //CUTIN CONTROL
STATEMENT**

Explanation: When processing the user input, an unexpected operand of a control statement is encountered. However, this should have been detected by other DPROP modules. Therefore, it is probably an internal IMS DPROP error.

Severity: Error.

System action: Processing is terminated with a return code.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYI940X

**EKYI945E ONE OR MORE ERRORS IN //CUTIN
CONTROL STATEMENTS**

Explanation: The control statements in the //CUTIN data set have one or more errors. Refer to previously issued messages for a detailed description of the errors.

Severity: Error.

System action: Processing is terminated with return code.

User response: Check for other messages for further information about the problem. Correct it and resubmit the job.

Module: EKYI940X

**EKYI946E //CUTIN DOES NOT CONTAIN ANY
INPUT RECORD**

Explanation: The CUTIN data set is empty.

Severity: Error.

System action: Processing is terminated with a return code.

User response: Correct the input in the CUTIN data set and resubmit the job.

Module: EKYI940X

**EKYI947E //CUTIN DOES NOT CONTAIN ANY
CONTROL STATEMENT**

Explanation: The CUTIN data set does not contain a valid control statement.

Severity: Error.

System action: Processing is terminated with a return code.

User response: Correct the input in the CUTIN data set and resubmit the job.

Module: EKYI940X

**EKYI948E ERRORS, PROBABLY IO ERRORS,
WHILE READING //CUTIN INPUT
RECORDS**

Explanation: The CUT utility was unable to read the CUTIN data set. This can be because of invalid record format or data set organization.

Severity: Error.

System action: Processing is terminated with a return code.

User response: Ensure that the format of the CUTIN data set is correct and resubmit the job.

Module: EKYI940X

EKYI950E INITIALIZATION FAILURE

Explanation: During initialization of the DPROP system, an error occurred.

Severity: Error.

System action: DPROP abends.

System programmer response: Check for other messages issued by the failing job step to determine the reason for the initialization failure.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

| **Module:** EKYI951X

EKYI951E UNEXPECTED ERROR: DL1 INQY CALL FAILED

Explanation: The event marker module has detected that it runs in an IMS region and tries to issue a DL1 INQY call. The DL1 INQY call failed.

System action: DPROP abends.

System programmer response: Check for other messages issued by the failing job step to determine the reason for this failure.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI951X

EKYI952E INVALID CALL PARAMETERS FOR THE DPROP EVENT MARKER - NUMBER OF PRSTREAMS MUST BE POSITIVE

Explanation: A program called the DPROP event marker module and passed an invalid parameter list.

Severity: Error.

System action: DPROP abends.

System programmer response: If the caller is a user program, then check that the passed parameter list is correct.

If the event marker module is called by DPROP internally call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI951X

EKYI997E LE/370 CEEPIPI END_SEQ RETURNED WITH RC=RC, DBD=DBD, SEG=SEG

Explanation: An IMS DPROP module issued a CEEPIPI END_SEQ call to signal the end of a series of subroutine calls. The CEEPIPI call failed with the displayed return code.

The return code values have the following meanings:

- 4** IMS DPROP called CEEPIPI with an invalid function code
- 8** The LE/370 environment was already active
- 16** IMS DPROP called CEEPIPI with an invalid token
- 20** IMS DPROP called CEEPIPI with a token different than the token used in a START_SEQ call

Severity: Error.

System action: The error is handled according to the EKYMQCAP logic for severe errors For more information, see Appendix B, "EKYMQCAP error handling," on page 547.

Problem determination: If LE/370 issued additional messages, they may help you understand the failure.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI010X

EKYI998E LE/370 CEEPIPI START_SEQ RETURNED WITH RC=RC DBD=DBD, SEG=SEG, PRSTREAM=PRSTR

Explanation: A DPROP module issued a CEEPIPI START_SEQ call to signal the start of a series of subroutine calls. The CEEPIPI call failed with the displayed return code.

The return code values have the following meanings:

- 4** DPROP called CEEPIPI with an invalid function code
- 8** The LE/370 environment was already active
- 16** DPROP called CEEPIPI with an invalid token

Severity: Error.

System action: The error is handled according to the EKYMQCAP logic for severe errors For more information, see Appendix B, "EKYMQCAP error handling," on page 547.

Problem determination: If LE/370 issued additional messages, they may help you understand the failure.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI090X

EKYI999E **LE/370 CEEPIPI CALL-SUB RETURNED**
WITH RC=RC, USER EXIT=EXITN,
SRC=SRC, SRSN=SRSN, SFB=SFB,
DBD=DBD, SEG=SEG,
PRSTREAM=PRSTR

Explanation: The LE/370 CEEPIPI module returned to DPROP with the displayed return code in Register 15 (the LE/370 return code is printed in numerical format). This happened when the DPROP called the identified user exit routine via the CEEPIPI CALL-SUB interface.

The message also contains information provided by LE/370, such as the subroutine return code, the subroutine reason code, and the subroutine feedback code (all printed in hexadecimal format).

The error occurred during DPROP processing for the identified IMS DBD, segment name, and PRID.

Severity: Error.

System action: The error is handled according to the EKYMQCAP logic for severe errors. For more information, see Appendix B, "EKYMQCAP error handling," on page 547.

Problem determination: Refer to IBM SAA AD/Cycle Language Environment/370 Programming Guide for an explanation of the LE/370 return code, the subroutine return code, the subroutine reason code, and the subroutine feedback code. In particular, refer to the description of the CEEPIPI CALL-SUB function in IBM SAA AD/Cycle Language Environment/370 Programming Guide.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI090X

Chapter 11. DL/I Load Utilities (DLU) messages

EKYL000E INTERNAL LOGIC ERROR IN MODULE *mdl* LOCATION IDENTIFICATION CODE: *lidc*

Explanation: An IMS DPROP program error occurred in module *mdl* at location identification code *lidc*. A new release of IMS DPROP has been installed but an obsolete DLU version is being used.

Severity: Error.

System action: Processing terminates.

User response: Contact IBM Software Support as the program code must be changed.

Module: All DLU modules.

EKYL001E NONZERO CODE RETURNED BY MODULE *mdl* IN MODULE *mdl* RETURN CODE (R15): *returncode*/*returncode*

Explanation: An IMS DPROP internal error occurred when a DLU calling module gave control to an IMS DPROP general purpose called module. and the return code was not zero. The return code is given in hexadecimal and decimal format. This error occurs when a new IMS DPROP release has been installed and an obsolete DLU version is being used.

Severity: Error.

System action: Processing terminates.

User response: Contact IBM Software Support as a change to the program code is required.

Module: All DLU modules.

EKYL002E NONZERO CODE RETURNED BY MACRO *macro* IN MODULE *mdl* RETURN CODE (R15): *hexadecimal*/*decimal* MACRO DETECTED A SEVERE ERROR; SEE PREVIOUS ERROR MESSAGE ISSUED BY MACRO

Explanation: An IMS DPROP program error occurred when a DLU module issued an IMS DPROP macro and the return code was not zero. The return code is given in hexadecimal and decimal format. This message is always preceded by another error message issued by the macro itself. This error is displayed when a new IMS DPROP release has been installed and an obsolete DLU version is being used.

Severity: Error.

System action: Processing terminates.

User response: Contact IBM Software Support as this error requires a change to the program code.

Module: All DLU modules.

EKYL097I *mdl* PROCESSING START-UP

Explanation: This message reports the processing state of the jobstep. It is for audit purposes only.

Severity: Information.

System action: Processing continues.

Module: EKYL100X, ELYL200X, EKYL300X, EKYL400X, EKYL500X

EKYL098I *mdl* PROCESSING IN PROCESS. DATABASE IS *dbd*

Explanation: This describes the processing state of the jobstep. It is for audit purposes only.

Severity: Information.

System action: Processing continues.

Module: EKYL100X, ELYL200X, EKYL300X, EKYL400X, EKYL500X

EKYL099I *mdl* PROCESSING COMPLETE. MAXIMUM CONDITION CODE WAS *returncode*

Explanation: This message reports the processing state of the jobstep. It is for audit purposes only and ends the DLUPRINT listing.

Severity: Information.

System action: Processing continues.

Module: EKYL185X, ELYL930X

EKYL111E LOAD FAILURE FOR MEMBER NAME *mdl* RETURN CODE (R15): *hexadecimal*/*decimal*

Explanation: The module *mdl* could not be loaded successfully. The return code is given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB or STEPLIB DD statement and resubmit the job.

Module: EKYL105X

EKYL112E LOAD FAILURE FOR MEMBER NAME *mdl* RETURN CODE (R15): *hexadecimal*/*decimal*

Explanation: The module *mdl* could not be loaded

successfully. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB or STEPLIB DD statement and resubmit the job.

Module: EKYL105X

EKYL113E LOAD FAILURE FOR MEMBER NAME
mdl RETURN CODE (R15):
hexadecimal/decimal

Explanation: The module *mdl* could not be loaded successfully. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB or STEPLIB DD statement and resubmit the job.

Module: EKYL105X

EKYL114E LOAD FAILURE FOR MEMBER NAME
mdl RETURN CODE (R15):
hexadecimal/decimal

Explanation: The module *mdl* could not be loaded successfully. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB or STEPLIB DD statement and resubmit the job.

Module: EKYL105X

EKYL121E START OF CHECKING PHASE FOR
DATA SET ALLOCATED TO DDNAME
ddn

Explanation: The DLU detected errors in the control statement allocated to ddname *ddn*. during the checking phase. The control statement and related error messages follow this message.

Severity: Error.

System action: Processing terminates.

User response: See the messages that follow, correct the control statement and resubmit the job.

Module: EKYL110X

EKYL122E MISSING INPUT CONTROL
STATEMENTS

Explanation: The DLU found no input control statements. Message EKYL121E shows the name of the ddname.

Severity: Error.

System action: Processing terminates.

User response: Provide input control statements and resubmit the job.

Module: EKYL110X

EKYL123E THE FOLLOWING INPUT CONTROL
STATEMENTS IGNORED; UNUSABLE
DATA

Explanation: The identified input control statements contain unusable keywords. Message EKYL121E shows the name of the ddname.

Severity: Error.

System action: Processing terminates.

User response: See the control statements and error message that follow. Correct the input control statements and resubmit the job.

Module: EKYL110X

EKYL124E THE FOLLOWING INPUT CONTROL
STATEMENTS IGNORED; ERRORS IN
DATA

Explanation: The identified input control statements contain unidentified keywords. Message EKYL121E shows the name of the ddname.

Severity: Error.

System action: Processing terminates.

User response: See the control statements and error messages that follow. Correct the input control statements and resubmit the job.

Module: EKYL110X

EKYL125E END OF CHECKING PHASE FOR DATA
SET ALLOCATED TO DDNAME *ddn*

Explanation: The DLU issues this trailer message at the end of the checking phase if it detected errors. The control statements along with their related error message precede this message.

Severity: Error.

System action: Processing terminates.

User response: Correct the input control statements and resubmit the job.

Module: EKYL110X

EKYL126E ALL INPUT DATA IGNORED; JOB TERMINATED; ERRORS DETECTED DURING INITIALIZATION PHASE

Explanation: This trailer message ends the list of unusable control statements and the related error message. Message EKYL121E shows the name of the ddname.

Severity: Error.

System action: Processing terminates.

User response: Correct the input control statements and resubmit the job.

Module: EKYL110X

EKYL131I START OF PROCESSING PHASE FOR DATA SET ALLOCATED TO DDNAME *ddn*

Explanation: This informational message reports that the DLU successfully read and checked all input control statements in ddname *ddn* and now begins to process them.

Severity: Information.

System action: Processing continues.

Module: EKYL115X

EKYL132I LIST OF INPUT CONTROL STATEMENTS SUPPLIED

Explanation: The DLU accepted all of the following input control statements that were supplied.

Severity: Information.

System action: Processing continues.

Module: EKYL115X

EKYL133I END OF PROCESSING PHASE FOR DATA SET ALLOCATED TO DDNAME *ddn*

Explanation: The DLU successfully processed and accepted the input control statements. The input control statements precede this message.

Severity: Information.

System action: Processing continues.

Module: EKYL115X

EKYL134I ALL INPUT DATA SUCCESSFULLY ACCEPTED

Explanation: The DLU accepted all input control statements. This message ends the list of input control statements.

Severity: Information.

System action: Processing continues.

Module: EKYL115X

EKYL141E START OF CHECKING PHASE FOR DATA SET ALLOCATED TO DDNAME *ddn*

Explanation: During the checking phase, the DLU detected errors in the control statement allocated to ddname *ddn*. The control statement and its related error messages follow this message.

Severity: Error.

System action: Processing terminates.

User response: See the messages that follow, correct the control statement and resubmit the job.

Module: EKYL120X

EKYL142E MISSING INPUT CONTROL STATEMENTS

Explanation: The DLU found no input control statements. Message EKYL141E shows the name of the ddname.

Severity: Error.

System action: Processing terminates.

User response: Provide input control statements and resubmit the job.

Module: EKYL120X

EKYL143E THE FOLLOWING INPUT CONTROL STATEMENTS IGNORED; UNUSABLE DATA

Explanation: The identified input control statements contain unusable keywords. Message EKYL141E shows the name of the ddname.

Severity: Error.

System action: Processing terminates.

User response: See the control statements and error messages that follow. Correct the input control statements and resubmit the job.

Module: EKYL120X

EKYL144E THE FOLLOWING INPUT CONTROL STATEMENTS IGNORED; ERRORS IN DATA

Explanation: The identified input control statements contain unidentified keywords. Message EKYL141E shows the name of the ddname.

Severity: Error.

System action: Processing terminates.

User response: See the control statements and error messages that follow. Correct the input control statements and resubmit the job.

Module: EKYL120X

EKYL145E END OF CHECKING PHASE FOR DATA SET ALLOCATED TO DDNAME *ddn*

Explanation: The DLU issues this trailer message at the end of the checking phase if it detected errors. The control statements along with their related error message precede this message.

Severity: Error.

System action: Processing terminates.

User response: Correct the input control statements and resubmit the job.

Module: EKYL120X

EKYL146E ALL INPUT DATA IGNORED; JOB TERMINATED; ERRORS DETECTED DURING INITIALIZATION PHASE

Explanation: This trailer message ends the list of unusable control statements and the related error message. Message EKYL141E shows the name of the ddname.

Severity: Error.

System action: Processing terminates.

User response: Correct the input control statements and resubmit the job.

Module: EKYL120X

EKYL150I START OF PROCESSING PHASE FOR DATA SET ALLOCATED TO DDNAME *ddn*

Explanation: This informational message reports that the DLU successfully read and checked all input control statements in ddname *ddn* and now begins to process them.

Severity: Information.

System action: Processing continues.

Module: EKYL125X

EKYL151I LIST OF INPUT CONTROL STATEMENTS SUPPLIED

Explanation: The DLU accepted all of the following input control statements that were supplied.

Severity: Information.

System action: Processing continues.

Module: EKYL125X

EKYL152E DUPLICATE INPUT CONTROL STATEMENT

Explanation: The DLU detected that an input control statement was provided twice. Identical input control statements are not accepted.

Severity: Error.

System action: Processing terminates.

User response: Remove the duplicate input control statement and resubmit the job.

Module: EKYL125X

EKYL153E MUTUALLY EXCLUSIVE CONTROL STATEMENT

Explanation: The input control statements contain mutually exclusive control statements. Multiple ASSIGN control statements with the same TABQUAL= keyword are not allowed.

Severity: Error.

System action: Processing terminates.

User response: Correct the input control statement in error and resubmit the job.

Module: EKYL125X

EKYL155E CONTROL STATEMENT OUT OF SEQUENCE

Explanation: The DLU requires that the input control statements be in the following order: CREATE, EXCLUDE, ASSIGN with TABNAME= keyword and finally ASSIGN without TABNAME= keyword.

Severity: Error.

System action: Processing terminates.

User response: Set the input control statements in the required order and resubmit the job.

Module: EKYL125X

EKYL156E 'CREATE' CONTROL STATEMENT IS MISSING

Explanation: The DLU requires at least the mandatory CREATE input control statement in DLUIN ddname. This input control statement was not provided.

Severity: Error.

System action: Processing terminates.

User response: Provide a CREATE input control statement and resubmit the job.

Module: EKYL125X

**EKYL157I END OF PROCESSING PHASE FOR
DATA SET ALLOCATED TO DDNAME
ddn**

Explanation: The DLU successfully processed and accepted the input control statements. The input control statements precede this message.

Severity: Information.

System action: Processing continues.

Module: EKYL125X

**EKYL158I ALL INPUT DATA SUCCESSFULLY
ACCEPTED**

Explanation: The DLU accepted all input control statements. This message ends the list of input control statements.

Severity: Information.

System action: Processing continues.

Module: EKYL125X

**EKYL159E NO STATEMENT WAS EXECUTED; JOB
TERMINATED; ERRORS DETECTED
DURING INITIALIZATION PHASE**

Explanation: This trailer message ends the list of control statements and the related error messages. Message EKYL141E shows the name of the ddname.

Severity: Error.

System action: Processing terminates.

User response: Correct the input control statements and resubmit the job.

Module: EKYL125X

**EKYL160E DD STATEMENT WITH DDNAME ddn IS
EMPTY**

Explanation: The DLU detected that the DBD library allocated by ddname *ddn* did not contain any member.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate DBD library and resubmit the job.

Module: EKYL135X

**EKYL161E DD STATEMENT WITH DDNAME ddn
DOES NOT CONTAIN THE DBD
SPECIFIED IN 'CREATE' CONTROL
STATEMENT**

Explanation: The name specified in the CREATE input control statement must refer to a valid DBD member in the library allocated by *ddn*.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate DBD member in the library and resubmit the job.

Module: EKYL135X

**EKYL162E FOLLOWING SEGMENT NAME
SPECIFIED IN 'EXCLUDE' CONTROL
STATEMENT IS UNKNOWN IN DBD
SEGMENT NAME: segment DBD NAME:
dbd**

Explanation: An EXCLUDE input control statement with a segment name not defined in the DBD was provided to be processed. The segment name provided in EXCLUDE input control statement must be a segment name defined in the DBD.

Severity: Error.

System action: Processing terminates.

User response: Provide a valid segment name in the EXCLUDE input control statement and resubmit the job.

Module: EKYL155X

**EKYL163E FOLLOWING SEGMENT NAME
SPECIFIED IN 'EXCLUDE' CONTROL
STATEMENT HAS ALREADY BEEN
EXCLUDED SEGMENT NAME: segment
DBD NAME: dbd**

Explanation: Some segment names specified in an EXCLUDE input control statements can implicitly impact another segment name. When the entity segment is excluded, then the extension segment is implicitly excluded, too. In this case, the extension segment cannot be specified again in an EXCLUDE input control statement.

Severity: Error.

System action: Processing terminates.

User response: Remove the EXCLUDE input control statement in excess and resubmit the job.

Module: EKYL155X

**EKYL164E FOLLOWING SEGMENT NAME
MENTIONED IN 'EXCLUDE' CONTROL
STATEMENT CANNOT BE SPECIFIED
REASON: THERE IS NO PRID WITH A
PRTYPE=E DEFINED IN DPROP
DIRECTORY ASSOCIATED WITH THE
SEGMENT NAME SEGMENT NAME:
segment DBD NAME: dbd**

Explanation: The segment name specified in an EXCLUDE input control statement indicates that the propagated DB2 tables of that segment will be disregarded when reading the DB2 tables. Segments

not participating in propagation or segments with a PRID not defined with a PRTYPE=E in IMS DPROP directory cannot be specified.

Severity: Error.

System action: Processing terminates.

User response: Remove the erroneous input control statement and resubmit the job.

Module: EKYL155X

**EKYL165E CONTROL STATEMENT IS
EXTRANEIOUS; THERE IS NO PRID
WITH A PRTYPE=E DEFINED IN
DPROP DIRECTORY FOR THE ENTIRE
DATABASE**

Explanation: An EXCLUDE ALL input control statement was provided and there was no PRID defined with PRTYPE=E found in the IMS DPROP directory for the DBD to be processed.

Severity: Error.

System action: Processing terminates.

User response: Remove the erroneous input control statement and resubmit the job.

Module: EKYL155X

**EKYL166E INCONSISTENT DATA IN DPROP
DIRECTORY**

Explanation: This message appears in DLU steps 2 to 5 when information created by step 1 in DLUCDS (the DLU control data set) does not match information stored in the IMS DPROP directory. This situation occurs when the IMS DPROP directory is updated between DLU steps or when an erroneous DLUCDS data set was provided.

Severity: Error.

System action: Processing terminates.

User response: Either provide the appropriate DLUCDS data set and resubmit the terminating DLU step, or rerun the entire DLU (from step 1).

Module: EKYL160X

**EKYL167E VALUES MISSING ON KEYWORD
'TABNAME='**

Explanation: The value of the TABNAME= keyword in the ASSIGN input control statement is missing.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate value and resubmit the job.

Module: EKYL165X

**EKYL168E 'TABQUAL=' KEYWORD VALUE IS
UNKNOWN TO DB2 TABLE
QUALIFIER: *qualifier***

Explanation: The table qualifier specified in the TABQUAL= keyword could not be found in DB2 catalog. *qualifier* is the undefined table qualifier.

Severity: Error.

System action: Processing terminates.

User response: Provide a valid table qualifier and resubmit the job.

Module: EKYL165X

**EKYL169E COMBINED 'TABQUAL=' AND
'TABNAME=' KEYWORD VALUES ARE
UNKNOWN TO DB2 TABLE
QUALIFIER: *qualifier* TABLE NAME:
*tablename***

Explanation: The combination of *qualifier* and *tablename* values identified in the message is not a known DB2 resource. The DLU rejects all values that are not defined in DB2 catalog.

Severity: Error.

System action: Processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYL165X

**EKYL170E COMBINED 'TABQUAL=' KEYWORD
VALUE WITH DPROP REGISTERED
TABLE NAME ARE UNKNOWN TO DB2
TABLE QUALIFIER: *qualifier* TABLE
NAME: *tablename***

Explanation: The combination of *qualifier* as specified in the input control statement and the *tablename* value as defined in the IMS DPROP directory identified in the message is not a known DB2 resource. The DLU rejects all values that are not defined in DB2 catalog.

Severity: Error.

System action: Processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYL165X

**EKYL171E EXTRANEIOUS CONTROL STATEMENT.
TABLE IS ALREADY FULLY QUALIFIED**

Explanation: An ASSIGN input control statement cannot be provided for a fully qualified table name registered in the IMS DPROP directory. An ASSIGN input control statement can only be provided for

unqualified table names registered in the IMS DPROP directory.

Severity: Error.

System action: Processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYL165X

EKYL172E 'TABNAME=' KEYWORD VALUE IS UNKNOWN AS INPUT RESOURCE FOR THIS JOB EXECUTION TABLE NAME:
tablename

Explanation: The value specified in the TABNAME= keyword didn't match any definition in the IMS DPROP directory. The DLU rejects all values that are not defined in the IMS DPROP directory.

Severity: Error.

System action: Processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYL165X

EKYL173E EXTRANEIOUS CONTROL STATEMENT. ALL TABLES ARE ALREADY FULLY QUALIFIED

Explanation: An ASSIGN input control statement cannot be provided when all table names are fully qualified and registered in the IMS DPROP directory. An ASSIGN input control statement can only be provided for unqualified table names registered in the IMS DPROP directory.

Severity: Error.

System action: Processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYL165X

EKYL174E 'TABQUAL=' KEYWORD VALUE IS UNKNOWN AS INPUT RESOURCE FOR THIS JOB EXECUTION TABLE QUALIFIER: *qualifier*

Explanation: The value specified in the TABQUAL= keyword didn't match any definition in the IMS DPROP directory.

Severity: Error.

System action: Processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYL165X

EKYL175E TABLE QUALIFIER IS SET TO BLANK FOR THE FOLLOWING TABLE IN DPROP DIRECTORY: TABLE NAME:
tablename **USE ASSIGN CONTROL STATEMENT TO PROVIDE A UNIQUE VALID QUALIFIER**

Explanation: The table name *tablename* is registered as an unqualified table in the IMS DPROP directory, meaning there are many similar DB2 tables. The DLU must know from which specific table the rows must be read and therefore requires a specific table qualifier.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate ASSIGN input control statement and resubmit the job.

Module: EKYL170X

EKYL176E TABLE HAS NO PRIMARY KEY COLUMNS TABLE QUALIFIER: *qualifier*
TABLE NAME: *tablename*

Explanation: This is an unexpected error which might occur only when a DB2 catalog restore did not work properly.

Severity: Error.

System action: Processing terminates.

User response: This is a DB2 problem. Report this problem to your Database Administrator or System programmer.

Module: EKYL170X

EKYL177E DB2 CATALOG CONTAINS INCONSISTENT DATA TABLE NAME: SYSIBM.SYSTABLES TABLE QUALIFIER: *qualifier* **TABLE NAME:**
tablename

Explanation: This is an unexpected error which might occur only when a DB2 catalog restore did not work properly.

Severity: Error.

System action: Processing terminates.

User response: This is a DB2 problem. Report this problem to your Database Administrator or System programmer.

Module: EKYL170X

EKYL178E DB2 CATALOG CONTAINS INCONSISTENT DB2 RESOURCES COLUMN NAME: *column* **TABLE QUALIFIER:** *qualifier* **TABLE NAME:**
tablename

Explanation: This is an unexpected error which might occur only when a DB2 catalog restore did not work properly.

Severity: Error.

System action: Processing terminates.

User response: This is a DB2 problem. Report this problem to your Database Administrator or System programmer.

Module: EKYL170X

EKYL181E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DLU (step 1) attempted to write information into the control data set (DLUCDS) and found that the ddname *ddn* is missing.

Severity: Error.

System action: Processing terminates.

User response: Provide the require ddname and resubmit the job.

Module: EKYL180X

**EKYL211E LOAD FAILURE FOR MEMBER NAME
mdl RETURN CODE (R15):
*hexadecimal/decimal***

Explanation: The DLU attempts to load the module containing the DB2 subsystem default values, but the module could not be successfully loaded. *mdl* is the name of the module to be loaded. *returncode* is the unexpected return code. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

Module: EKYL210X

**EKYL212E LOAD FAILURE FOR MEMBER NAME
mdl RETURN CODE (R15):
*hexadecimal/decimal***

Explanation: The DLU attempts to load the DBRC module but the module could not be successfully loaded. *mdl* is the name of the module to be loaded. *returncode* is the unexpected return code. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

Module: EKYL210X

**EKYL213E LOAD FAILURE FOR MEMBER NAME
mdl RETURN CODE (R15):
*hexadecimal/decimal***

Explanation: The DLU attempts to load the DL/I Language Interface module but the module could not be successfully loaded. *mdl* is the name of the module to be loaded. *returncode* is the unexpected return code. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

Module: EKYL210X

**EKYL214E LOAD FAILURE FOR MEMBER NAME
mdl RETURN CODE (R15):
*hexadecimal/decimal***

Explanation: The DLU attempts to load the AIB Interface module but the module could not be successfully loaded. *mdl* is the name of the module to be loaded. *returncode* is the unexpected return code. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

Module: EKYL210X

EKYL215E INCONSISTENT DATA IN DBD LIBRARY

Explanation: The DLU noticed the DBD was modified between execution of the DLU steps. This is not permitted.

Severity: Error.

System action: Processing terminates.

User response: Resubmit the DLU job from step 1.

Module: EKYL215X

**EKYL216E INCONSISTENT DATA IN DPROP
DIRECTORY**

Explanation: The DLU noticed the IMS DPROP directory was modified between execution of the DLU steps. This is not permitted.

Severity: Error.

System action: Processing terminates.

User response: Resubmit the DLU job from step 1.

Module: EKYL215X

**EKYL217E INCONSISTENT DATA IN DPROP
DIRECTORY**

Explanation: The DLU noticed the IMS DPROP directory was modified between execution of the DLU steps. This is not permitted.

Severity: Error.

System action: Processing terminates.

User response: Resubmit the DLU job from step 1.

Module: EKYL215X

**EKYL220E THE FIRST RECORD (HEADER
STATISTICS) IS MISSING IN DD
STATEMENT WITH DDNAME *ddn***

Explanation: The DLU read the HD unload data set. The records in that data set are not the same as the ones created by the DFSURGU0 utility.

Severity: Error.

System action: Processing terminates.

User response: Use DFSURGU0 to create the HD unload data set and resubmit the job.

Module: EKYL220X

**EKYL221E THERE ARE NO DATA RECORDS
(RECORDS BETWEEN THE HEADER
AND THE TRAILER STATISTICS
RECORDS) IN DD STATEMENT WITH
DDNAME *ddn***

Explanation: The DLU is reading the HD unload data set. The records in that data set do not look similar to the ones created by the DFSURGU0 utility.

Severity: Error.

System action: Processing terminates.

User response: Use DFSURGU0 to create the HD unload data set and resubmit the job.

Module: EKYL220X

**EKYL225E UNEXPECTED DL/I STATUS CODE
RECEIVED AFTER 'SYNC' OPERATION
AIB RETURN CODE:
hexadecimal//decimal AIB REASON
CODE: *hexadecimal//decimal* PCB
STATUS CODE: *STC***

Explanation: When processing a DEDB, the DLU must issue a DL/I SYNC call to free the resources IMS has locked. The request failed; the return code and

reason code returned in AIB are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the PCB status code described in IMS manuals and resubmit the job.

Module: EKYL225X

**EKYL311E LOAD FAILURE FOR MEMBER NAME
mdl RETURN CODE (R15):
*hexadecimal//decimal***

Explanation: The DLU attempts to load the module containing the DB2 subsystem default values, but the module could not be successfully loaded. *mdl* is the name of the module to be loaded. *returncode* is the unexpected return code. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

Module: EKYL310X

**EKYL312E LOAD FAILURE FOR MEMBER NAME
mdl RETURN CODE (R15):
*hexadecimal//decimal***

Explanation: The DLU attempts to load the DBRC module, but the module could not be successfully loaded. *mdl* is the name of the module to be loaded. *returncode* is the unexpected return code. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

Module: EKYL310X

**EKYL313E LOAD FAILURE FOR MEMBER NAME
mdl RETURN CODE (R15):
*hexadecimal//decimal***

Explanation: The DLU attempts to load the DL/I Language Interface module, but the module could not be successfully loaded. *mdl* is the name of the module to be loaded. *returncode* is the unexpected return code. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

Module: EKYL310X

EKYL314E LOAD FAILURE FOR MEMBER NAME
mdl RETURN CODE (R15):
hexadecimal decimal

Explanation: The DLU attempts to load the AIB Interface module, but the module could not be successfully loaded. *mdl* is the name of the module to be loaded. *returncode* is the unexpected return code. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

Module: EKYL310X

EKYL315E INCONSISTENT DATA IN DBD LIBRARY

Explanation: The DLU noticed the DBD was modified between execution of the DLU steps. This is not permitted.

Severity: Error.

System action: Processing terminates.

User response: Resubmit the DLU job from step 1.

Module: EKYL315X

EKYL316E INCONSISTENT DATA IN DPROP DIRECTORY

Explanation: The DLU noticed the IMS DPROP directory was modified between execution of the DLU steps. This is not permitted.

Severity: Error.

System action: Processing terminates.

User response: Resubmit the DLU job from step 1.

Module: EKYL315X

EKYL317E INCONSISTENT DATA IN DPROP DIRECTORY

Explanation: The DLU noticed the IMS DPROP directory was modified between execution of the DLU steps. This is not permitted.

Severity: Error.

System action: Processing terminates.

User response: Resubmit the DLU job from step 1.

Module: EKYL315X

EKYL411E LOAD FAILURE FOR MEMBER NAME
mdl RETURN CODE (R15):
hexadecimal decimal

Explanation: The DLU attempts to load the module containing the DB2 subsystem default values, but the module could not be successfully loaded. *mdl* is the name of the module to be loaded. *returncode* is the unexpected return code. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

Module: EKYL410X

EKYL412E LOAD FAILURE FOR MEMBER NAME
mdl RETURN CODE (R15):
hexadecimal decimal

Explanation: The DLU attempts to load the DBRC module, but the module could not be successfully loaded. *mdl* is the name of the module to be loaded. *returncode* is the unexpected return code. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

Module: EKYL410X

EKYL413E LOAD FAILURE FOR MEMBER NAME
mdl RETURN CODE (R15):
hexadecimal decimal

Explanation: The DLU attempts to load the DL/I Language Interface module, but the module could not be successfully loaded. *mdl* is the name of the module to be loaded. *returncode* is the unexpected return code. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

Module: EKYL410X

EKYL414E LOAD FAILURE FOR MEMBER NAME
mdl **RETURN CODE (R15):**
hexadecimal/decimal

Explanation: The DLU attempts to load the AIB Interface module, but the module could not be successfully loaded. *mdl* is the name of the module to be loaded. *returncode* is the unexpected return code. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

Module: EKYL410X

EKYL415E INCONSISTENT DATA IN DBD LIBRARY

Explanation: The DLU noticed the DBD was modified between execution of the DLU steps. This is not permitted.

Severity: Error.

System action: Processing terminates.

User response: Resubmit the DLU job from step 1.

Module: EKYL415X

EKYL416E INCONSISTENT DATA IN DPROP DIRECTORY

Explanation: The DLU noticed the IMS DPROP directory was modified between execution of the DLU steps. This is not permitted.

Severity: Error.

System action: Processing terminates.

User response: Resubmit the DLU job from step 1.

Module: EKYL415X

EKYL417E INCONSISTENT DATA IN DPROP DIRECTORY

Explanation: The DLU noticed the IMS DPROP directory was modified between execution of the DLU steps. This is not permitted.

Severity: Error.

System action: Processing terminates.

User response: Resubmit the DLU job from step 1.

Module: EKYL415X

EKYL420E THE FIRST RECORD (HEADER STATISTICS) IS MISSING IN DD STATEMENT WITH DDNAME *ddn*

Explanation: The DLU read the HD unload data set. The records in that data set are not the same as the ones created by the DFSURGU0 utility.

Severity: Error.

System action: Processing terminates.

User response: Use DFSURGU0 to create the HD unload data set and resubmit the job.

Module: EKYL420X

EKYL421E THERE ARE NO DATA RECORDS (RECORDS BETWEEN THE HEADER AND THE TRAILER STATISTICS RECORDS) IN DD STATEMENT WITH DDNAME *ddn*

Explanation: The DLU read the HD unload data set. The records in that data set are not the same as the ones created by the DFSURGU0 utility.

Severity: Error.

System action: Processing terminates.

User response: Use DFSURGU0 to create the HD unload data set and resubmit the job.

Module: EKYL420X

EKYL422E AT LEAST ONE OF THE FOLLOWING OUTPUT DATA SETS MUST BE PROVIDED: A DLUNLOAD DATA SET AND/OR A DL/I DATABASE, OR A MERGEOUT DATA SET

Explanation: The DLU requested that output be provided to store the processed segment. Either a DLUNLOAD data set and/or a DL/I database, or a MERGEOUT data set must be provided.

Severity: Error.

System action: Processing terminates.

User response: Provide the missing ddname, and resubmit the job.

Module: EKYL420X

EKYL425E UNEXPECTED DL/I STATUS CODE RECEIVED AFTER 'SYNC' OPERATION AIB RETURN CODE:
hexadecimal/decimal **AIB REASON CODE:** *hexadecimal/decimal* **PCB STATUS CODE:** *STC*

Explanation: When processing a DEDB, the DLU must issue a DL/I SYNC call to free the resources IMS has locked. The request failed; the return code and

reason code returned in AIB are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the PCB status code described in IMS manuals, and resubmit the job.

Module: EKYL425X

EKYL460E I/O ERROR ON //MERGEIN1 DATA SET

Explanation: An I/O error has occurred on the //MERGEIN1 data set.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Check any messages previously issued by IMS DPROP I/O services, correct the error and resubmit the job.

Module: EKYL465X

EKYL461E //MERGEIN1 DD STATEMENT MISSING

Explanation: The //MERGEIN1 DD statement is missing.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Provide a DD statement with ddname MERGEIN1 and resubmit the job.

Module: EKYL465X

EKYL462E I/O ERROR ON //MERGEIN2 DATA SET

Explanation: An I/O error has occurred on the //MERGEIN2 data set.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Check any messages previously issued by IMS DPROP I/O services, correct the error and resubmit the job.

Module: EKYL465X

EKYL463E //MERGEIN2 DD STATEMENT MISSING

Explanation: The //MERGEIN2 DD statement is missing.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Provide a DD statement with ddname MERGEIN1 and resubmit the job.

Module: EKYL465X

**EKYL464E INTERNAL ERROR:
SEGMENT=*segment* NOT FOUND ON
EKYLCLSE CONTROL BLOCK CHAIN,
MODULE NAME=*mdl***

Explanation: This is an unexpected IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 16.

System programmer response: Call IBM Software Support for assistance.

Module: EKYL465X, EKYL560X

**EKYL465E //ddname DATA SET OUT OF
SEQUENCE OLD SEGMENT
NAME=*segment* NEW SEGMENT
NAME=*segment***

Explanation: The named input data set is not in DL/I sequence.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Make sure that the correct data set name for the data set created on the corresponding previous job step has been specified on the //DDNAME DD statement. Resubmit the job.

Module: EKYL465X

**EKYL466E *name* DATA NOT IN DL/I SEQUENCE
OLD SEGMENT NAME=*segment* NEW
SEGMENT NAME=*segment***

Explanation: The named side data is not in DL/I sequence.

Severity: Error.

System action: Before executing the current job step, process step 2 to retrieve the IMS data and/or step 3 to retrieve the DB2 data.

Programmer response: None.

Module: EKYL465X

**EKYL467E INTERNAL ERROR: EKYL465X
CALLED WITH INVALID READ CODE
value, 'LCO0DLI' AND/OR 'LCO0TBL'
ARE IMPROPERLY SET**

Explanation: This is an unexpected IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 16.

System programmer response: Call IBM Software Support for assistance.

Module: EKYL465X

EKYL468E INTERNAL ERROR: NO INPUT FLAGS SET FOR COMPONENT 4 PROCESSING, 'LCO0DLI' AND 'LCO0TBL' BOTH CONTAIN X'00'

Explanation: This is an unexpected IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 16.

System programmer response: Call IBM Software Support for assistance.

Module: EKYL460X

EKYL469E INTERNAL ERROR: BOTH IMS AND DB2 SEGMENT DATA MUST BE IN THE SAME EKYLCLSE CONTROL BLOCK ON AN EQUAL SITUATION IN AN EQUAL SITUATION

Explanation: This is an unexpected IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 16.

System programmer response: Call IBM Software Support for assistance.

Module: EKYL460X

EKYL470E INVALID RECORD TYPE *value* ON *//ddname* DATA SET

Explanation: Invalid record type found on named data set.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Make sure that the correct data set name has been specified on the named DD statement and resubmit the job.

Module: EKYL465X, EKYL560X

EKYL471E UNEXPECTED TIMESTAMP/DBDNAME ON *//ddname* DATA SET READ: TIMESTAMP=*value*, DBDNAME=*dbdname* EXPECTED: TIMESTAMP=*value*, DBDNAME=*dbdname*

Explanation: An invalid timestamp/dbdname was found on the named data set.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Make sure that the correct data set name has been specified and resubmit the job.

Module: EKYL465X, EKYL560X

EKYL472E INTERNAL ERROR: OUTPUT FLAG 'LCO0OTP' *value* IS IMPROPERLY SET FOR COMPONENT 4 PROCESSING

Explanation: This is an unexpected IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 16.

System programmer response: Call IBM Software Support for assistance.

Module: EKYL460X

EKYL473E ERRORS OCCURRED DURING RUP PROCESSING, JOB TERMINATED

Explanation: Errors occurred during RUP processing in module EKYL460X.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Check the previously issued RUP messages, correct the errors and resubmit the job.

Module: EKYL425X

EKYL475E INTERNAL ERROR: INVALID PROCESSING OPTION FLAG 'LCO0HDC' *value* FOR *//DLUNLOAD* DATA SET, MODULE NAME=*mdl*

Explanation: This is an unexpected IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 16.

System programmer response: Call IBM Software Support for assistance.

Module: EKYL470X

EKYL476E //DLUNLOAD DD STATEMENT MISSING

Explanation: The //DLUNLOAD DD statement is missing.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Provide a DD statement with ddname DLUNLOAD and resubmit the job.

Module: EKYL470X

EKYL477E I/O ERROR ON //DLUNLOAD DATA SET

Explanation: An I/O error has occurred on the //DLUNLOAD data set.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Check any messages previously issued by IMS DPROF I/O services, correct the error and resubmit the job.

Module: EKYL470X

**EKYL478E ERROR DURING HUP PROCESSING:
SEGMENT=*segment*, MODULE
NAME=*mdl*, HUP RC=*returncode*,
CHECK THE PREVIOUSLY ISSUED
HUP MESSAGE**

Explanation: Errors occurred during HUP processing.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Check the previously issued HUP error messages, correct the error and resubmit the job. If the error persists, call IBM Software Support for assistance.

Module: EKYL460X

**EKYL479E HUP DID NOT FIND A VALID PR FOR
SEGMENT=*segment*, MODULE
NAME=*mdl*, HUP RC=*returncode***

Explanation: This is an unexpected IMS DPROF internal error.

Severity: Error.

System action: Processing terminates with return code 16.

System programmer response: Call IBM Software Support for assistance.

Module: EKYL460X

**EKYL480E INVALID DATA ON //inds DATA SET,
DATA SET CREATION CODE=*dsnc* FILE
HAS NOT BEEN CREATED BY THE
APPROPRIATE DLU JOB STEP
MODULE NAME=*mdl***

Explanation: The DLU detected that the provided input data set was not created by the expected DLU job step. *inds* is the ddname of the input data set provided. *dsnc* is the creation code of the invalid input data set. *mdl* is the name of the module issuing this message.

Severity: Error.

System action: Processing terminates.

User response: Correct the JCL and resubmit the job.

Module: EKYL465X, EKYL525X

**EKYL511E LOAD FAILURE FOR MEMBER NAME
mdl RETURN CODE (R15):
hexadecimal/*decimal***

Explanation: The DLU attempts to load the module containing the DB2 subsystem default values, but the module could not be successfully loaded. *mdl* is the name of the module to be loaded. *returncode* is the unexpected return code. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

Module: EKYL510X

**EKYL512E LOAD FAILURE FOR MEMBER NAME
mdl RETURN CODE (R15):
hexadecimal/*decimal***

Explanation: The DLU attempts to load the DBRC module, but the module could not be successfully loaded. *mdl* is the name of the module to be loaded. *returncode* is the unexpected return code. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

Module: EKYL510X

EKYL513E LOAD FAILURE FOR MEMBER NAME

*mdl RETURN CODE (R15):
hexadecimal/decimal*

Explanation: The DLU attempts to load the DL/I Language Interface module, but the module could not be successfully loaded. *mdl* is the name of the module to be loaded. *returncode* is the unexpected return code. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

Module: EKYL510X

EKYL514E LOAD FAILURE FOR MEMBER NAME

*mdl RETURN CODE (R15):
hexadecimal/decimal*

Explanation: The DLU attempts to load the AIB Interface module, but the module could not be successfully loaded. *mdl* is the name of the module to be loaded. *returncode* is the unexpected return code. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

Module: EKYL510X

EKYL515E INCONSISTENT DATA IN DBD LIBRARY

Explanation: The DLU noticed the DBD was modified between execution of the DLU steps. This is not permitted.

Severity: Error.

System action: Processing terminates.

User response: Resubmit the DLU job from step 1.

Module: EKYL515X

EKYL516E INCONSISTENT DATA IN DPROP DIRECTORY

Explanation: The DLU noticed the IMS DPROP directory was modified between execution of the DLU steps. This is not permitted.

Severity: Error.

System action: Processing terminates.

User response: Resubmit the DLU job from step 1.

Module: EKYL515X

EKYL517E INCONSISTENT DATA IN DPROP DIRECTORY

Explanation: The DLU noticed the IMS DPROP directory was modified between execution of the DLU steps. This is not permitted.

Severity: Error.

System action: Processing terminates.

User response: Resubmit the DLU job from step 1.

Module: EKYL515X

EKYL520E AT LEAST ONE OF THE FOLLOWING OUTPUT DATA SETS MUST BE PROVIDED: A DLUNLOAD DATA SET AND/OR A DL/I DATABASE

Explanation: The DLU requested that output be provided to store the processed segment. Either a DLUNLOAD data set and/or a DL/I database must be provided.

Severity: Error.

System action: Processing terminates.

User response: Provide the missing ddname, and resubmit the job.

Module: EKYL520X

**EKYL525E TIMESTAMP MISMATCH IN 'MERGEIN' DATA SET OBTAINED:
TIMESTAMP=*timestamp* EXPECTED:
TIMESTAMP=*timestamp***

Explanation: The DLU carries across its jobsteps a timestamp to insure a maximum of data consistency over its intermediate data sets. The DLU detected a timestamp mismatch, meaning that an inappropriate MERGEIN input data set was provided.

Severity: Error.

System action: Processing terminates.

User response: Provide the appropriate MERGEIN input data set and resubmit the job.

Module: EKYL525X

EKYL526E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DLU attempted to access the data set allocated with the ddname *ddn* and noticed that the JCL is missing.

Severity: Error.

System action: Processing terminates.

User response: Provide JCL for the missing ddname and resubmit the job.

Module: EKYL525X

**EKYL527E UNEXPECTED DL/I STATUS CODE
RECEIVED AFTER 'GSCD' OPERATION
STATUS CODE: *stc* DBD NAME: *dbd***

Explanation: When processing an HDAM data base, the DLU must issue a DL/I GSCD call to obtain the address of the SCD and the address of the PST. The request failed; *STC* shows the PCB status code and *DBD* shows the DL/I database name.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the PCB status code described in IMS manuals and resubmit the job.

Module: EKYL525X

**EKYL528E LOAD FAILURE FOR MEMBER NAME
mdl RETURN CODE (R15):
*hexadecimal//decimal***

Explanation: The DLU attempts to load the randomizing module of an HDAM or DEDB database, but the module could not be successfully loaded. *mdl* is the name of the module to be loaded. *returncode* is the unexpected return code. The return code is shown in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

Module: EKYL525X

**EKYL529E UNEXPECTED DL/I STATUS CODE
RECEIVED AFTER 'SYNC' OPERATION
AIB RETURN CODE:
hexadecimal//decimal AIB REASON
CODE: *hexadecimal//decimal* PCB
STATUS CODE: *stc***

Explanation: When processing a DEDB, the DLU must issue a DL/I SYNC call to free the resources IMS has locked. The request failed; the return code and reason code returned in AIB are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the PCB status code described in IMS manuals and resubmit the job.

Module: EKYL525X

EKYL560E I/O ERROR ON //SORTOUT DATA SET

Explanation: An I/O error has occurred on the //SORTOUT data set.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Check any messages previously issued by IMS DPROP I/O services, correct the error, and resubmit the job.

Module: EKYL560X

EKYL561E //SORTOUT DD STATEMENT MISSING

Explanation: The //SORTOUT DD statement is missing.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Provide a DD statement with ddname SORTOUT and resubmit the job.

Module: EKYL560X

**EKYL611E DD STATEMENT WITH DDNAME *ddn* IS
MISSING**

Explanation: The DLU attempted to access the data set allocated with the ddname *ddn* and found that the JCL is missing.

Severity: Error.

System action: Processing terminates.

User response: Provide JCL for the missing ddname, and resubmit the job.

Module: EKYL610X

**EKYL612E NONZERO CODE RETURNED BY
MACRO *macro* WHEN RETRIEVING JCL
ALLOCATION RESOURCES RETURN
CODE (R15): *hexadecimal//decimal*
DDNAME: *ddn* ERROR REASON CODE:
reason//reason ERROR INFORMATION
CODE: *idic***

Explanation: The DLU was issuing the DYNALLOC macro to obtain the data set attributes for the ddname *ddn*. The request completed unsuccessfully with a return code other than zero. The return code, the error reason code and the error information code returned by DYNALLOC are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the status codes described in MVS manuals and resubmit the job.

Module: EKYL610X

EKYL613E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET TYPE SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The type of the data set specified (probably DUMMY) is not supported by DLU. Refer to IMS DPROP Reference for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error and resubmit the job.

Module: EKYL610X

EKYL615E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DLU attempted to access the data set allocated with the ddname *ddn* and found that the JCL is missing.

Severity: Error.

System action: Processing terminates.

User response: Provide JCL for the missing ddname, and resubmit the job.

Module: EKYL615X

EKYL616E NONZERO CODE RETURNED BY MACRO *macro* WHEN RETRIEVING JCL ALLOCATION RESOURCES RETURN CODE (R15): *hexadecimal//decimal* DDNAME: *ddn* ERROR REASON CODE: *reason//reason* ERROR INFORMATION CODE: *idic*

Explanation: The DLU was issuing the DYNALLOC macro to obtain the data set attributes for the ddname *ddn*. The request completed unsuccessfully with a return code other than zero. The return code, the error reason code and the error information code returned by DYNALLOC are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the status codes described in MVS manuals and resubmit the job.

Module: EKYL615X

EKYL617E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DISPOSITION SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The DISP= parameter specified (probably MOD) is not supported by DLU. Refer to the IMS DPROP Reference for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error and resubmit the job.

Module: EKYL615X

EKYL618E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET ORGANIZATION SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The data set organization specified in DSORG= parameter is not supported by DLU. Refer to the IMS DPROP Reference for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error and resubmit the job.

Module: EKYL615X

EKYL621E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DLU attempted to access the data set allocated with the ddname *ddn* and found that the JCL is missing.

Severity: Error.

System action: Processing terminates.

User response: Provide JCL for the missing ddname, and resubmit the job.

Module: EKYL620X

EKYL622E NONZERO CODE RETURNED BY MACRO *macro* WHEN RETRIEVING JCL ALLOCATION RESOURCES RETURN CODE (R15): *hexadecimal//decimal* DDNAME: *ddn* ERROR REASON CODE: *reason//reason* ERROR INFORMATION CODE: *idic*

Explanation: The DLU was issuing the DYNALLOC macro to obtain the data set attributes for the ddname *ddn*. The request completed unsuccessfully with a return code other than zero. The return code, the error reason code and the error information code returned by DYNALLOC are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the status codes described in MVS manuals and resubmit the job.

Module: EKYL620X

EKYL623E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET TYPE SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The type of the data set specified (probably DUMMY) is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL620X

EKYL624E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET ORGANIZATION SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The data set organization specified in DSORG= parameter is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL620X

EKYL625E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DLU attempted to access the data set allocated with the ddname *ddn* and found that the JCL is missing.

Severity: Error.

System action: Processing terminates.

User response: Provide JCL for the missing ddname, and resubmit the job.

Module: EKYL625X

EKYL626E NONZERO CODE RETURNED BY MACRO *macro* WHEN RETRIEVING JCL ALLOCATION RESOURCES RETURN CODE (R15): *hexadecimal/decimal* DDNAME: *ddn* ERROR REASON CODE: *reason/reason* ERROR INFORMATION CODE: *idic*

Explanation: The DLU was issuing the DYNALLOC macro to obtain the data set attributes for the ddname *ddn*. The request completed unsuccessfully with a return code other than zero. The return code, the error reason code and the error information code returned by DYNALLOC are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the status codes described in MVS manuals, and resubmit the job.

Module: EKYL625X

EKYL627E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET TYPE SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The type of the data set specified (probably DUMMY) is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error and resubmit the job.

Module: EKYL625X

EKYL628E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET ORGANIZATION SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The data set organization specified in DSORG= parameter is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL625X

EKYL631E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DLU attempted to access the data set allocated with the ddname *ddn* and found that the JCL is missing.

Severity: Error.

System action: Processing terminates.

User response: Provide JCL for the missing ddname, and resubmit the job.

Module: EKYL630X

EKYL632E NONZERO CODE RETURNED BY MACRO *macro* WHEN RETRIEVING JCL ALLOCATION RESOURCES RETURN CODE (R15): *hexadecimal//decimal* DDNAME: *ddn* ERROR REASON CODE: *reason/reason* ERROR INFORMATION CODE: *idic*

Explanation: The DLU was issuing the DYNALLOC macro to obtain the data set attributes for the ddname *ddn*. The request completed unsuccessfully with a return code other than zero. The return code, the error reason code and the error information code returned by DYNALLOC are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the status codes described in MVS manuals, and resubmit the job.

Module: EKYL630X

EKYL633E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET TYPE SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The type of the data set specified (probably DUMMY) is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL630X

EKYL634E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET ORGANIZATION SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The data set organization specified in DSORG= parameter is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL630X

EKYL635E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DLU attempted to access the data set allocated with the ddname *ddn* and found that the JCL is missing.

Severity: Error.

System action: Processing terminates.

User response: Provide JCL for the missing ddname, and resubmit the job.

Module: EKYL635X

EKYL636E NONZERO CODE RETURNED BY MACRO *macro* WHEN RETRIEVING JCL ALLOCATION RESOURCES RETURN CODE (R15): *hexadecimal//decimal* DDNAME: *ddn* ERROR REASON CODE: *reason/reason* ERROR INFORMATION CODE: *idic*

Explanation: The DLU was issuing the DYNALLOC macro to obtain the data set attributes for the ddname *ddn*. The request completed unsuccessfully with a return code other than zero. The return code, the error reason code and the error information code returned by DYNALLOC are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the status codes described in MVS manuals, and resubmit the job.

Module: EKYL635X

EKYL637E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET TYPE SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The type of the data set specified (probably DUMMY) is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL635X

EKYL638E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET ORGANIZATION SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The data set organization specified in DSORG= parameter is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL635X

EKYL641E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DLU attempted to access the data set allocated with the ddname *ddn* and found that the JCL is missing.

Severity: Error.

System action: Processing terminates.

User response: Provide JCL for the missing ddname, and resubmit the job.

Module: EKYL640X

EKYL642E NONZERO CODE RETURNED BY MACRO *macro* WHEN RETRIEVING JCL ALLOCATION RESOURCES RETURN CODE (R15): *hexadecimal/decimal* DDNAME: *ddn* ERROR REASON CODE: *reason/reason* ERROR INFORMATION CODE: *idic*

Explanation: The DLU was issuing the DYNALLOC

macro to obtain the data set attributes for the ddname *ddn*. The request completed unsuccessfully with a return code other than zero. The return code, the error reason code and the error information code returned by DYNALLOC are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the status codes described in MVS manuals, and resubmit the job.

Module: EKYL640X

EKYL643E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET TYPE SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The type of the data set specified (probably DUMMY) is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL640X

EKYL644E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET ORGANIZATION SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The data set organization specified in DSORG= parameter is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL640X

EKYL646E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DLU attempted to access the data set allocated with the ddname *ddn* and found that the JCL is missing.

Severity: Error.

System action: Processing terminates.

User response: Provide JCL for the missing ddname, and resubmit the job.

Module: EKYL645X

EKYL647E NONZERO CODE RETURNED BY MACRO *macro* WHEN RETRIEVING JCL ALLOCATION RESOURCES RETURN CODE (R15): *hexadecimal//decimal* DDNAME: *ddn* ERROR REASON CODE: *reason//reason* ERROR INFORMATION CODE: *idic*

Explanation: The DLU was issuing the DYNALLOC macro to obtain the data set attributes for the dd *ddn*. The request completed unsuccessfully with a return code other than zero. The return code, the error reason code and the error information code returned by DYNALLOC are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the status codes described in MVS manuals, and resubmit the job.

Module: EKYL645X

EKYL648E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET TYPE SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The type of the data set specified (probably DUMMY) is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL645X

EKYL649E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET ORGANIZATION SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The data set organization specified in DSORG= parameter is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL645X

EKYL650E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DLU attempted to access the data set allocated with the ddname *ddn* and found that the JCL is missing.

Severity: Error.

System action: Processing terminates.

User response: Provide JCL for the missing ddname, and resubmit the job.

Module: EKYL650X

EKYL651E NONZERO CODE RETURNED BY MACRO *macro* WHEN RETRIEVING JCL ALLOCATION RESOURCES RETURN CODE (R15): *hexadecimal//decimal* DDNAME: *ddn* ERROR REASON CODE: *reason//reason* ERROR INFORMATION CODE: *idic*

Explanation: The DLU was issuing the DYNALLOC macro to obtain the data set attributes for the ddname *ddn*. The request completed unsuccessfully with a return code other than zero. The return code, the error reason code and the error information code returned by DYNALLOC are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the status codes described in MVS manuals, and resubmit the job.

Module: EKYL650X

EKYL652E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET TYPE SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The type of the data set specified (probably DUMMY) is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL650X

**EKYL653E DD STATEMENT WITH DDNAME *ddn*
HAS AN INVALID DATA SET
ORGANIZATION SPECIFICATION**

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The data set organization specified in DSORG= parameter is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL650X

**EKYL656E DD STATEMENT WITH DDNAME *ddn* IS
MISSING**

Explanation: The DLU attempted to access the data set allocated with the ddname *ddn* and found that the JCL is missing.

Severity: Error.

System action: Processing terminates.

User response: Provide JCL for the missing ddname, and resubmit the job.

Module: EKYL655X

**EKYL657E NONZERO CODE RETURNED BY
MACRO *macro* WHEN RETRIEVING JCL
ALLOCATION RESOURCES RETURN
CODE (R15): *hexadecimal//decimal*
DDNAME: *ddn* ERROR REASON CODE:
reason//reason ERROR INFORMATION
CODE: *idic***

Explanation: The DLU was issuing the DYNALLOC macro to obtain the data set attributes for the ddname *ddn*. The request completed unsuccessfully with a return code other than zero. The return code, the error reason code and the error information code returned by DYNALLOC are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the status codes described in MVS manuals, and resubmit the job.

Module: EKYL655X

**EKYL658E DD STATEMENT WITH DDNAME *ddn*
HAS AN INVALID DATA SET TYPE
SPECIFICATION**

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The type of the data set specified (probably DUMMY) is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL655X

**EKYL659E DD STATEMENT WITH DDNAME *ddn*
HAS AN INVALID DATA SET
ORGANIZATION SPECIFICATION**

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The data set organization specified in DSORG= parameter is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL655X

**EKYL661E DD STATEMENT WITH DDNAME *ddn* IS
MISSING**

Explanation: The DLU attempted to access the data set allocated with the ddname *ddn* and found that the DD statement is missing.

Severity: Error.

System action: Processing terminates.

User response: Provide JCL for the missing ddname, and resubmit the job.

Module: EKYL660X

**EKYL662E NONZERO CODE RETURNED BY
MACRO *macro* WHEN RETRIEVING JCL
ALLOCATION RESOURCES RETURN
CODE (R15): *hexadecimal//decimal*
DDNAME: *ddn* ERROR REASON CODE:
reason//reason ERROR INFORMATION
CODE: *idic***

Explanation: The DLU was issuing the DYNALLOC

macro to obtain the data set attributes for the ddname *ddn*. The request completed unsuccessfully with a return code other than zero. The return code, the error reason code and the error information code returned by DYNALLOC are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the status codes described in MVS manuals, and resubmit the job.

Module: EKYL660X

EKYL663E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET TYPE SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The type of the data set specified (probably DUMMY) is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL660X

EKYL664E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET ORGANIZATION SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The data set organization specified in DSORG= parameter is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL660X

EKYL666E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DLU attempted to access the data set allocated with the ddname *ddn* and found that the JCL is missing.

Severity: Error.

System action: Processing terminates.

User response: Provide JCL for the missing ddname, and resubmit the job.

Module: EKYL665X

EKYL667E NONZERO CODE RETURNED BY MACRO *macro* WHEN RETRIEVING JCL ALLOCATION RESOURCES RETURN CODE (R15): *hexadecimal/decimal* DDNAME: *ddn* ERROR REASON CODE: *reason/reason* ERROR INFORMATION CODE: *idic*

Explanation: The DLU was issuing the DYNALLOC macro to obtain the data set attributes for the ddname *ddn*. The request completed unsuccessfully with a return code other than zero. The return code, the error reason code and the error information code returned by DYNALLOC are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the status codes described in MVS manuals, and resubmit the job.

Module: EKYL665X

EKYL668E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET TYPE SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The type of the data set specified (probably DUMMY) is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL665X

EKYL669E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET ORGANIZATION SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The data set organization specified in DSORG= parameter is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL665X

EKYL671E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DLU attempted to access the data set allocated with the ddname *ddn* and found that the JCL is missing.

Severity: Error.

System action: Processing terminates.

User response: Provide JCL for the missing ddname, and resubmit the job.

Module: EKYL670X

EKYL672E NONZERO CODE RETURNED BY MACRO *macro* WHEN RETRIEVING JCL ALLOCATION RESOURCES RETURN CODE (R15): *hexadecimal//decimal* DDNAME: *ddn* ERROR REASON CODE: *reason/reason* ERROR INFORMATION CODE: *idic*

Explanation: The DLU was issuing the DYNALLOC macro to obtain the data set attributes for the ddname *ddn*. The request completed unsuccessfully with a return code other than zero. The return code, the error reason code and the error information code returned by DYNALLOC are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the status codes described in MVS manuals, and resubmit the job.

Module: EKYL670X

EKYL673E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET TYPE SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The type of the data set specified (probably DUMMY) is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL670X

EKYL674E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET ORGANIZATION SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The data set organization specified in DSORG= parameter is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL670X

EKYL676E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DLU attempted to access the data set allocated with the ddname *ddn* and found that the JCL is missing.

Severity: Error.

System action: Processing terminates.

User response: Provide JCL for the missing ddname, and resubmit the job.

Module: EKYL675X

EKYL677E NONZERO CODE RETURNED BY MACRO *macro* WHEN RETRIEVING JCL ALLOCATION RESOURCES RETURN CODE (R15): *hexadecimal//decimal* DDNAME: *ddn* ERROR REASON CODE: *reason/reason* ERROR INFORMATION CODE: *idic*

Explanation: The DLU was issuing the DYNALLOC macro to obtain the data set attributes for the ddname *ddn*. The request completed unsuccessfully with a return code other than zero. The return code, the error reason code and the error information code returned by DYNALLOC are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the status codes described in MVS manuals, and resubmit the job.

Module: EKYL675X

EKYL678E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET TYPE SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The type of the data set specified (probably DUMMY) is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL675X

EKYL679E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET ORGANIZATION SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The data set organization specified in DSORG= parameter is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL675X

EKYL710E DATA SET ALLOCATED TO DD STATEMENT WITH DDNAME *ddn* IS EMPTY

Explanation: When reading the DLUCDS data set, the DLU detected that this data set was empty. This data set is created in step 1 and used for control purposes in all following steps. The data set could be allocated but was empty.

Severity: Error.

System action: Processing terminates.

User response: Ensure that the data set allocated was the one created by step 1, and resubmit the job.

Module: EKYL710X

EKYL711E DATA SET ALLOCATED TO DD STATEMENT WITH DDNAME *ddn* CONTAINS UNRECOGNIZED RECORDS

Explanation: When reading the DLUCDS data set, the DLU detected that the record contents match the record

layout the DLU is expecting. This data set is created in step 1 and used for control purposes in all following steps. The data set could be allocated, but the records read could not be identified.

Severity: Error.

System action: Processing terminates.

User response: Ensure that the data set allocated was the one created by step 1, and resubmit the job.

Module: EKYL710X

EKYL712E DATA SET ALLOCATED TO DD STATEMENT WITH DDNAME *ddn* CONTAINS UNRECOGNIZED RECORDS

Explanation: When reading the DLUCDS data set, the DLU detected that the record contents match the record layout the DLU is expecting. This data set is created in step 1 and used for control purposes in all following steps. The data set could be allocated, but the records read could not be identified.

Severity: Error.

System action: Processing terminates.

User response: Ensure that the data set allocated was the one created by step 1, and resubmit the job.

Module: EKYL710X

EKYL713E DDNAME *ddn* IS INVALID CORRECT SPELLING IS DLUINxxx, WHERE xxx MUST BE A 3-DIGIT VALUE => 001 AND =< 999

Explanation: The DLU detected that DLUINxxx DD statements were provided but did not follow the naming convention for xxx.

Severity: Error.

System action: Processing terminates.

User response: Provide for xxx a 3-digit value equal to or greater than 001, or equal to or less than 999, and resubmit the job.

Module: EKYL715X

EKYL714E DDNAME *ddn* IS DUPLICATE CORRECT SPELLING IS DLUINxxx, WHERE xxx MUST BE A UNIQUE 3-DIGIT VALUE => 001 AND =< 999

Explanation: The DLU detected that DLUINxxx DD statements were provided but xxx was not unique within all DLUINxxx DD statements.

Severity: Error.

System action: Processing terminates.

User response: Provide for each DLUINxxx DD statement a unique 3-digit value equal to or greater than

001, or equal to or less than 999, and resubmit the job.

Module: EKYL715X

**EKYL715E DDNAME *ddn* AND DDNAME *ddn*
REFER TO THE SAME DSNAME
DUPLICATE DSNAME ALLOCATION IS
NOT SUPPORTED**

Explanation: The DLU detected that 2 or more DLUINxxx DD statements have allocated the same data set name. This is not supported by the DLU.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error and resubmit the job.

Module: EKYL715X

**EKYL716E NONZERO CODE RETURNED BY
MACRO *macro* WHEN RETRIEVING JCL
ALLOCATION RESOURCES RETURN
CODE (R15): *hexadecimal//decimal*
DDNAME: *ddn* ERROR REASON CODE:
reason//reason ERROR INFORMATION
CODE: *idlc***

Explanation: The DLU issued the DYNALLOC macro to obtain the data set attributes for the ddname *ddn*. The request completed unsuccessfully with a return code other than zero. The return code, the error reason code and the error information code returned by DYNALLOC are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the status codes described in MVS manuals, and resubmit the job.

Module: EKYL715X

**EKYL717E DD STATEMENT WITH DDNAME *ddn*
HAS AN INVALID DATA SET TYPE
SPECIFICATION**

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The type of the data set specified (probably DUMMY) is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error and resubmit the job.

Module: EKYL715X

**EKYL718E DD STATEMENT WITH DDNAME *ddn*
HAS AN INVALID DATA SET
ORGANIZATION SPECIFICATION**

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The data set organization specified in DSORG= parameter is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL715X

**EKYL720E NONZERO CODE RETURNED BY
MACRO *macro* WHEN RETRIEVING JCL
ALLOCATION RESOURCES RETURN
CODE (R15): *hexadecimal//decimal*
DDNAME: *ddn* ERROR REASON CODE:
reason//reason ERROR INFORMATION
CODE: *idlc***

Explanation: The DLU issued the DYNALLOC macro to obtain the data set attributes for the ddname *ddn*. The request completed unsuccessfully with a return code other than zero. The return code, the error reason code and the error information code returned by DYNALLOC are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the status codes described in MVS manuals, and resubmit the job.

Module: EKYL720X

**EKYL721E DD STATEMENT WITH DDNAME *ddn*
HAS AN INVALID DATA SET TYPE
SPECIFICATION**

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The type of the data set specified (probably DUMMY) is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL720X

EKYL722E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET ORGANIZATION SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The data set organization specified in DSORG= parameter is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL720X

EKYL723E RECORD NUMBER *number* IN DATA SET WITH DDNAME *ddn* CONTAINS INCONSISTENT DATA REASON: *text* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct1* RECORD DATA IN CHAR (POS 1 UP TO 20): *rct2* RECORD DATA IN HEX (POS 1 UP TO 20): *rct2*

Explanation: When performing some formal checks on the records of a DLUINxxx data set, the DLU detected some unexpected data. *ddn* is the DD statement being read. *rct1* shows the number of records which have already been successfully read. *rct2* shows the first 20 bytes of the erroneous record in character and in hexadecimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide the user-input records so they fit the layout described in the *IMS DataPropagator Reference*, and resubmit the job.

Module: EKYL720X

EKYL724E DUPLICATED INPUT DATA; DDNAME *ddn* AND DDNAME *ddn* CONTAIN DATA FOR THE SAME SEGMENT SEGMENT NAME: *segment*

Explanation: When performing formal checks on the records of a DLUINxxx data set, the DLU detected some unexpected data. The records for a specific segment must be provided only in one of the DLUINxxx data set. *segment* shows the segment name. *ddn* are the DD statements of the data sets that contain the erroneous records.

Severity: Error.

System action: Processing terminates.

User response: Provide the user-input records so

they fit the layout described in the *IMS DataPropagator Reference*, and resubmit the job.

Module: EKYL720X

EKYL725E RECORD NUMBER *number* IN DATA SET WITH DDNAME *ddn* CONTAINS INCONSISTENT DATA REASON: *text* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME: *segment* LENGTH FOUND IN DATA SET (POS 17 TO 18): *len/len* EXPECTED LENGTH: *len/len*

Explanation: When performing formal checks on the records of a DLUINxxx data set, the DLU detected some unexpected data. The key length field does not contain the valid length required for the segment. *ddn* is the DD statement being read. *segment* shows the segment name. *len* shows the found and the expected key length in decimal and hexadecimal format. *rct* shows the number of records which have already been successfully read.

Severity: Error.

System action: Processing terminates.

User response: Provide the user-input records so they fit the layout described in the *IMS DataPropagator Reference*, and resubmit the job.

Module: EKYL720X

EKYL726E RECORD NUMBER *number* IN DATA SET WITH DDNAME *ddn* CONTAINS INCONSISTENT DATA REASON: *text* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME: *segment* SEGMENT SPLIT COUNT FOUND IN DATA SET: *ssd/ssc* EXPECTED SEGMENT SPLIT COUNT: *ssd/ssc*

Explanation: When performing some formal checks on the records of a DLUINxxx data set, the DLU detected some unexpected data. The segment split count doesn't contain the valid count required for the record. *ddn* is the DD statement being read. *segment* shows the segment name. *ssc* shows the found and the expected split count in decimal and hexadecimal format. *rct* shows the number of records which have already been successfully read.

Severity: Error.

System action: Processing terminates.

User response: Provide the user-input records so they fit the layout described in the *IMS DataPropagator Reference*, and resubmit the job.

Module: EKYL720X

EKYL727E RECORD NUMBER *number* IN DATA SET WITH DDNAME *ddn* CONTAINS INCONSISTENT DATA REASON: *text* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME: *segment* LENGTH FOUND IN DATASET (POS 19 TO 20): *len*/*len* EXPECTED LENGTH: *len*/*len* (OR LESS FOR SPLIT RECORDS)

Explanation: When performing formal checks on the records of a DLUINxxx data set, the DLU detected some unexpected data. The data length field does not contain the valid length required for the record. *ddn* is the DD statement being read. *segment* shows the segment name. *len* shows the found and the expected data length in decimal and hexadecimal format. *rct* shows the number of records which have already been successfully read.

Severity: Error.

System action: Processing terminates.

User response: Provide the user-input records so they fit the layout described in the *IMS DataPropagator Reference*, and resubmit the job.

Module: EKYL720X

EKYL728E RECORD NUMBER *number* IN DATA SET WITH DDNAME *ddn* CONTAINS INCONSISTENT DATA REASON: *text* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME IN CHAR (POS 9 TO 16): *segment* SEGMENT NAME IN HEX (POS 9 TO 16): *segment* EXPECTED SEGMENT NAME: *segment*

Explanation: When performing formal checks on the records of a DLUINxxx data set, the DLU detected some unexpected data. The segment name does not contain the valid name required for the record. *ddn* is the DD statement being read. *segment* shows the segment name. *segment* shows the found and the expected segment name in decimal and hexadecimal format. *rct* shows the number of records which have already been successfully read.

Severity: Error.

System action: Processing terminates.

User response: Provide the user-input records so they fit the layout described in the *IMS DataPropagator Reference*, and resubmit the job.

Module: EKYL720X

EKYL730E NONZERO CODE RETURNED BY MACRO *macro* WHEN RETRIEVING JCL ALLOCATION RESOURCES RETURN CODE (R15): *hexadecimal*/*decimal* DDNAME: *ddn* ERROR REASON CODE: *reason*/*reason* ERROR INFORMATION CODE: *idic*

Explanation: The DLU issued the DYNALLOC macro to obtain the data set attributes for the ddname *ddn*. The request completed unsuccessfully with a return code other than zero. The return code, the error reason code and the error information code returned by DYNALLOC are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the status codes described in MVS manuals, and resubmit the job.

Module: EKYL725X

EKYL731E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET TYPE SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The type of the data set specified (probably DUMMY) is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL725X

EKYL732E DD STATEMENT WITH DDNAME *ddn* HAS AN INVALID DATA SET ORGANIZATION SPECIFICATION

Explanation: The DLU detected that the data set attributes for the DD statement with the ddname *ddn* do not conform to the attributes required for that DD statement. The data set organization specified in DSORG= parameter is not supported by DLU. Refer to the *IMS DataPropagator Reference* for proper JCL allocation.

Severity: Error.

System action: Processing terminates.

User response: Correct the DD statement in error, and resubmit the job.

Module: EKYL725X

**EKYL733E UNRECOGNIZED RECORD FORMAT
FOR DD STATEMENT WITH DDNAME
ddn NUMBER OF SUCCESSFULLY
RETRIEVED RECORDS: *rct***

Explanation: When reading the HD unload file, the DLU detected a record that did not match the characteristics of a file created by DFSURGU0. *ddn* is the DD statement being read. *rct* shows the number of records that have already been successfully read.

Severity: Error.

System action: Processing terminates.

User response: Provide an HD unload file created by DFSURGU0 or by any other compatible vendor product, and resubmit the job.

Module: EKYL725X

**EKYL734E UNRECOGNIZED SEGMENT NAME IN
DATA FOR DD STATEMENT WITH
DDNAME *ddn* NUMBER OF
SUCCESSFULLY RETRIEVED
RECORDS: *rct* SEGMENT NAME IN
CHAR: *segment* SEGMENT NAME IN
HEX: *segment***

Explanation: When reading the HD unload file, the DLU detected a record that did not match the characteristics of a file created by DFSURGU0. *ddn* is the DD statement being read. *rct* shows the number of records that have already been successfully read. *segment* is the unrecognized segment name in character and hexadecimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an HD unload file created by DFSURGU0 or by any other compatible vendor product, and resubmit the job.

Module: EKYL725X

**EKYL735E INCONSISTENT SEGMENT CODE IN
DATA FOR DD STATEMENT WITH
DDNAME *ddn* NUMBER OF
SUCCESSFULLY RETRIEVED
RECORDS: *rct* SEGMENT NAME:
segment SEGMENT CODE FOUND IN
DATA SET: *code/code* SEGMENT CODE
FOUND IN DBD: *code/code***

Explanation: When reading the HD unload file, the DLU detected a record that did not match the characteristics of a file created by DFSURGU0. *ddn* is the DD statement being read. *rct* shows the number of records that have already been successfully read. *segment* shows the segment name. *code* shows the segment code found in the data set and in the DBD in decimal and hexadecimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an HD unload file created by DFSURGU0 or by any other compatible vendor product, and resubmit the job.

Module: EKYL725X

**EKYL736E UNEXPECTED SEGMENT LEVEL IN
DATA FOR DD STATEMENT WITH
DDNAME *ddn* NUMBER OF
SUCCESSFULLY RETRIEVED
RECORDS: *rct* SEGMENT NAME:
segment SEGMENT LEVEL FOUND IN
DATA SET: *level/level* SEGMENT LEVEL
FOUND IN DBD: *level/level***

Explanation: When reading the HD unload file, the DLU detected a record that did not match the characteristics of a file created by DFSURGU0. *ddn* is the DD statement being read. *rct* shows the number of records that have already been successfully read. *segment* shows the segment name. *level* shows the segment level found in the data set and in the DBD in decimal and hexadecimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an HD unload file created by DFSURGU0 or by any other compatible vendor product, and resubmit the job.

Module: EKYL725X

**EKYL737E MULTIPLE PCB FOR THE DATABASE
SPECIFIED IN 'LOAD' CONTROL
STATEMENT WAS FOUND IN PSB**

Explanation: The DLU detected that the PCB for the DL/I database to be processed was provided twice.

Severity: Error.

System action: Processing terminates.

User response: Delete the extraneous PCB in your PSB, and resubmit the job.

Module: EKYL730X

**EKYL738E THE PSB DOES NOT CONTAIN A PCB
FOR THE DATABASE SPECIFIED IN
'LOAD' CONTROL STATEMENT**

Explanation: The DLU detected that the PCB for the DL/I database to be processed is missing.

Severity: Error.

System action: Processing terminates.

User response: Ensure that the PSB you provided contains a PCB with an identical name as the one

provided in the LOAD input control statement, and resubmit the job.

Module: EKYL730X

EKYL740E RECORD NUMBER *number* IN DATA SET WITH DDNAME *ddn* CONTAINS INCONSISTENT DATA REASON: *text* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* RECORD DATA IN CHAR (POS 1 UP TO 20): *rct* RECORD DATA IN HEX (POS 1 UP TO 20): *rct*

Explanation: When performing formal checks on the records of a DLUINxxx data set, the DLU detected some unexpected data. *ddn* is the DD statement being read. *rct* shows the number of records that have already been successfully read. *rct* shows the first 20 bytes of the erroneous record in character and in hexadecimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide the user-input records so they fit the layout described in the *IMS DataPropagator Reference*, and resubmit the job.

Module: EKYL750X

EKYL741E RECORD NUMBER *number* IN DATA SET WITH DDNAME *ddn* CONTAINS INCONSISTENT DATA REASON: *text* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME: *segment* LENGTH FOUND IN DATA SET (POS 17 TO 18): *len*/*len* EXPECTED LENGTH: *len*/*len*

Explanation: When performing formal checks on the records of a DLUINxxx data set, the DLU detected some unexpected data. The key length field does not contain the valid length required for the segment.

- *ddn* is the DD statement being read
- *segment* shows the segment name
- *len* shows the found and the expected key length in decimal and hexadecimal format
- *rct* shows the number of records that have already been successfully read

Severity: Error.

System action: Processing terminates.

User response: Provide the user-input records so they fit the layout described in the *IMS DataPropagator Reference*, and resubmit the job.

Module: EKYL750X

EKYL742E RECORD NUMBER *number* IN DATA SET WITH DDNAME *ddn* CONTAINS INCONSISTENT DATA REASON: *text* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME: *segment* SEGMENT SPLIT COUNT FOUND IN DATA SET: *ssd*/*ssc* EXPECTED SEGMENT SPLIT COUNT: *ssd*/*ssc*

Explanation: When performing formal checks on the records of a DLUINxxx data set, the DLU detected some unexpected data. The segment split count does not contain the valid count required for the record.

- *ddn* is the DD statement being read
- *segment* shows the segment name
- *ssc* shows the found and the expected split count in decimal and hexadecimal format
- *rct* shows the number of records that have already been successfully read

Severity: Error.

System action: Processing terminates.

User response: Provide the user-input records so they fit the layout described in the *IMS DataPropagator Reference*, and resubmit the job.

Module: EKYL750X

EKYL743E RECORD NUMBER *number* IN DATA SET WITH DDNAME *ddn* CONTAINS INCONSISTENT DATA REASON: *text* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME: *segment* LENGTH FOUND IN DATA SET (POS 19 TO 20): *len*/*len* EXPECTED LENGTH: *len*/*len* (OR LESS FOR SPLIT RECORDS)

Explanation: When performing formal checks on the records of a DLUINxxx data set, the DLU detected some unexpected data. The data length field does not contain the valid length required for the record.

- *ddn* is the DD statement being read
- *segment* shows the segment name
- *len* shows the found and the expected data length in decimal and hexadecimal format
- *rct* shows the number of records that have already been successfully read

Severity: Error.

System action: Processing terminates.

User response: Provide the user-input records so they fit the layout described in the *IMS DataPropagator Reference*, and resubmit the job.

Module: EKYL750X

EKYL744E RECORD NUMBER *number* IN DATA SET WITH DDNAME *ddn* CONTAINS INCONSISTENT DATA REASON: *text* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME IN CHAR (POS 9 TO 16): *segment* SEGMENT NAME IN HEX (POS 9 TO 16): *segment* EXPECTED SEGMENT NAME: *segment*

Explanation: When performing formal checks on the records of a DLUINxxx data set, the DLU detected some unexpected data. The segment name does not contain the valid name required for the record.

- *ddn* is the DD statement being read
- *segment* shows the segment name
- *segment* shows the found and the expected segment name in decimal and hexadecimal format
- *rct* shows the number of records that have already been successfully read

Severity: Error.

System action: Processing terminates.

User response: Provide the user-input records so they fit the layout described in the *IMS DataPropagator Reference*, and resubmit the job.

Module: EKYL750X

EKYL746E RECORD NUMBER *nbr* IS OUT OF SEQUENCE IN DATA SET STATEMENT WITH DDNAME *ddn* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME: *segment* MODULE NAME ISSUING THIS MESSAGE: *mdl*

Explanation: When performing formal checks on the records of a DLUINxxx data set, the DLU detected that the records were not sorted in ascending order. The record of DLUINxxx data set is subdivided into 3 parts: the HEADER, the KEY and the DATA parts. The records must be provided in ascending order of the KEY part. *nbr* is the record number in error. *ddn* is the DD statement being read. *segment* shows the segment name. *rct* shows the number of records that have already been successfully read.

Severity: Error.

System action: Processing terminates.

User response: Sort the user-input records according to the KEY part as described in the *IMS DataPropagator Reference*, and resubmit the job.

Module: EKYL720X, ELYL750X

EKYL747E RECORD NUMBER *nbr* IS DUPLICATED IN DATA SET STATEMENT WITH DDNAME *ddn* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME: *segment* MODULE NAME ISSUING THIS MESSAGE: *mdl*

Explanation: When performing formal checks on the records of a DLUINxxx data set, the DLU detected that two consecutive records have an identical sequence order. The record of DLUINxxx data set is subdivided into 3 parts: the HEADER, the KEY and the DATA parts. The records must be provided in ascending order of the KEY part. *nbr* is the record number in error. *ddn* is the DD statement being read. *segment* shows the segment name. *rct* shows the number of records that have already been successfully read.

Severity: Error.

System action: Processing terminates.

User response: Sort the user-input records according to the KEY part as described in the *IMS DataPropagator Reference*, and resubmit the job.

Module: EKYL720X, ELYL750X

EKYL748E RECORD NUMBER *nbr* HAS AN INAPPROPRIATE 4-BYTE COUNT IN KEY PART AT THE LOWER LEVEL IN DATA SET WITH DDNAME *ddn* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME: *segment* MODULE NAME ISSUING THIS MESSAGE: *mdl*

Explanation: When performing formal checks on the records of a DLUINxxx data set, the DLU detected that the unique key does not conform to the rules described in the *IMS DataPropagator Reference*. For each dependent segment, the unique count must begin with 1 and increment by 1. *nbr* is the record number in error. *ddn* is the DD statement being read. *segment* shows the segment name. *rct* shows the number of records that have already been successfully read.

Severity: Error.

System action: Processing terminates.

User response: Provide the KEY part as described in the *IMS DataPropagator Reference*, and resubmit the job.

Module: EKYL720X, ELYL750X

EKYL749E RECORD NUMBER *nbr* HAS AN INAPPROPRIATE 4-BYTE COUNT IN KEY PART AT THE PARENT LEVEL IN DATA SET WITH DDNAME *ddn* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME: *segment* MODULE NAME ISSUING THIS MESSAGE: *mdl*

Explanation: When performing formal checks on the records of a DLUINxxx data set, the DLU detected that the unique key does not conform to the rules described in the *IMS DataPropagator Reference*. For each dependent segment, the unique count must begin with 1 and increment by 1. *nbr* is the record number in error. *ddn* is the DD statement being read. *segment* shows the segment name. *rct* shows the number of records that have already been successfully read.

Severity: Error.

System action: Processing terminates.

User response: Provide the KEY part as described in the *IMS DataPropagator Reference*, and resubmit the job.

Module: EKYL720X, ELYL750X

EKYL750E THE LAST RECORD (TRAILER STATISTICS) IS MISSING IN DD STATEMENT WITH DDNAME *ddn*

Explanation: When reading the HD unload file, the DLU detected a record that did not match the characteristics of a file created by DFSURGU0. *ddn* is the DD statement being read.

Severity: Error.

System action: Processing terminates.

User response: Provide an HD unload file created by DFSURGU0 or by any other compatible vendor product, and resubmit the job.

Module: EKYL755X

EKYL751E UNRECOGNIZED SEGMENT NAME IN DATA FOR DD STATEMENT WITH DDNAME *ddn* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME IN CHAR: *segment* SEGMENT NAME IN HEX: *segment*

Explanation: When reading the HD unload file, the DLU detected a record that did not match the characteristics of a file created by DFSURGU0. *ddn* is the DD statement being read. *rct* shows the number of records that have already been successfully read. *segment* is the unrecognized segment name in character and hexadecimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an HD unload file created by DFSURGU0 or by any other compatible vendor product, and resubmit the job.

Module: EKYL755X

EKYL752E UNCONSISTENT SEGMENT CODE IN DATA FOR DD STATEMENT WITH DDNAME *ddn* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME: *segment* SEGMENT CODE FOUND IN DATA SET: *code/code* SEGMENT CODE FOUND IN DBD: *code/code*

Explanation: When reading the HD unload file, the DLU detected a record that did not match the characteristics of a file created by DFSURGU0. *ddn* is the DD statement being read. *rct* shows the number of records that have already been successfully read. *segment* shows the segment name. *code* shows the segment code found in the data set and in the DBD in decimal and hexadecimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an HD unload file created by DFSURGU0 or by any other compatible vendor product, and resubmit the job.

Module: EKYL755X

EKYL753E UNEXPECTED SEGMENT LENGTH IN DATA FOR DD STATEMENT WITH DDNAME *ddn* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME: *segment* SEGMENT LENGTH FOUND IN DATA SET: *len/len* SEGMENT LENGTH FOUND IN DBD: *len/len*

Explanation: When performing formal checks on the records of a DLUINxxx data set, the DLU detected unexpected data. The data length does not contain the valid length required for the segment. *ddn* is the DD statement being read. *segment* shows the segment name. *len* shows the segment length found in the data set and the expected length found in the DBD in decimal and hexadecimal format. *rct* shows the number of records that have already been successfully read.

Severity: Error.

System action: Processing terminates.

User response: Provide an HD unload file created by DFSURGU0 or by any other compatible vendor product, and resubmit the job.

Module: EKYL755X

EKYL756E UNRECOGNIZED SEGMENT NAME IN DATA FOR DD STATEMENT WITH DDNAME *ddn* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME IN CHAR: *segment* SEGMENT NAME IN HEX: *segment*

Explanation: When reading the HD unload file, the DLU detected a record that did not match the characteristics of a file created by DFSURGU0. *ddn* is the DD statement being read. *rct* shows the number of records that have already been successfully read. *segment* is the unrecognized segment name in character and hexadecimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an HD unload file created by DFSURGU0 or by any other compatible vendor product, and resubmit the job.

Module: EKYL755X

EKYL757E INCONSISTENT SEGMENT CODE IN DATA FOR DD STATEMENT WITH DDNAME *ddn* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME: *segment* SEGMENT CODE FOUND IN DATA SET: *code/code* SEGMENT CODE FOUND IN DBD: *code/code*

Explanation: When reading the HD unload file, the DLU detected a record that did not match the characteristics of a file created by DFSURGU0. *ddn* is the DD statement being read. *rct* shows the number of records that have already been successfully read. *segment* shows the segment name. *code* shows the segment code found in the data set and in the DBD in decimal and hexadecimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an HD unload file created by DFSURGU0 or by any other compatible vendor product, and resubmit the job.

Module: EKYL755X

EKYL758E UNEXPECTED SEGMENT LEVEL IN DATA FOR DD STATEMENT WITH DDNAME *ddn* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME: *segment* SEGMENT LEVEL FOUND IN DATA SET: *level/level* SEGMENT LEVEL FOUND IN DBD: *level/level*

Explanation: When reading the HD unload file, the DLU detected a record that did not match the

characteristics of a file created by DFSURGU0. *ddn* is the DD statement being read. *rct* shows the number of records that have already been successfully read. *segment* shows the segment name. *level* shows the segment level found in the data set and in the DBD in decimal and hexadecimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide an HD unload file created by DFSURGU0 or by any other compatible vendor product, and resubmit the job.

Module: EKYL755X

EKYL759E RECORD COUNT DISCREPANCIES FOUND IN DD STATEMENT WITH DDNAME *ddn* NUMBER OF SUCCESSFULLY RETRIEVED RECORDS: *rct* SEGMENT NAME FOR WHICH RECORD COUNT DISCREPANCIES HAVE BEEN FOUND: *segment* EXPECTED RECORD COUNT: *count* ACTUAL RECORD COUNT: *count*

Explanation: When reading the HD unload file, the DLU detected a record that did not match the characteristics of a file created by DFSURGU0. The last record of an HD unload is a statistics record, containing segment occurrence counters that are incorrect. *ddn* is the DD statement being read. *rct* shows the number of records that have already been successfully read. *segment* is the segment name for which the occurrence is incorrect. *count* shows the found and the expected counter value.

Severity: Error.

System action: Processing terminates.

User response: Provide an HD unload file created by DFSURGU0 or by any other compatible vendor product, and resubmit the job.

Module: EKYL755X

EKYL761E UNEXPECTED DL/I STATUS CODE RECEIVED AFTER 'GN' OPERATION STATUS CODE: *stc* DBD NAME: *dbd* NUMBER OF SUCCESSFULLY RETRIEVED SEGMENTS: *rct*

Explanation: Following a GN operation, the DLU detected an unexpected status code in the PCB. *stc* is the unexpected status code. *dbd* is the name of the DBD. *rct* shows the number of DL/I calls that have already been successfully issued.

Severity: Error.

System action: Processing terminates.

User response: This is probably a resource definition conflict in IMS (DBDLIB/ACBLIB) and/or in IMS DPROP

(IMS DPROP directory). Ensure that the database, the segment, and field definitions are consistent in the IMS and the IMS DPROP system, and resubmit the job.

Module: EKYL760X

EKYL762E UNRECOGNIZED SEGMENT NAME IN DL/I DATABASE DBD NAME: *dbd* NUMBER OF SUCCESSFULLY RETRIEVED SEGMENTS: *rct* SEGMENT NAME: *segment*

Explanation: Following a GN operation, the DLU detected an unexpected segment name in the PCB. *DBD* is the name of the DBD. *rct* shows the number of DL/I calls which have already been successfully issued. *segment* is the unexpected segment name.

Severity: Error.

System action: Processing terminates.

User response: This is probably a resource definition conflict in IMS (DBDLIB/ACBLIB) and/or in IMS DPROP (IMS DPROP directory). Ensure that the database, the segment, and field definitions are consistent in the IMS and the IMS DPROP system, and resubmit the job.

Module: EKYL760X

EKYL763E INCONSISTENT SEGMENT LEVEL IN DL/I DATABASE DBD NAME: *dbd* NUMBER OF SUCCESSFULLY RETRIEVED SEGMENTS: *rct* SEGMENT NAME: *segment* SEGMENT LEVEL FOUND KEY FEEDBACK AREA: *level* SEGMENT LEVEL FOUND IN DBD: *level//level*

Explanation: Following a GN operation, the DLU detected an unexpected segment level in the PCB. *dbd* is the name of the DBD. *rct* shows the number of DL/I calls that have already been successfully issued. *segment* is the segment name. *level* show the segment level found in the KFB and DBD.

Severity: Error.

System action: Processing terminates.

User response: This is probably a resource definition conflict in IMS (DBDLIB/ACBLIB) and/or in IMS DPROP (IMS DPROP directory). Ensure that the database, the segment, and field definitions are consistent in the IMS and the IMS DPROP system, and resubmit the job.

Module: EKYL760X

EKYL764E UNEXPECTED KEY FEEDBACK LENGTH IN DL/I DATABASE DBD NAME: *dbd* NUMBER OF SUCCESSFULLY RETRIEVED SEGMENTS: *rct* SEGMENT NAME: *segment* LENGTH FOUND IN KEY FEEDBACK AREA: *len//len* LENGTH FOUND IN DBD: *len//len*

Explanation: Following a GN operation, the DLU detected an unexpected KFB length in the PCB. *dbd* is the name of the DBD. *rct* shows the number of DL/I calls that have already been successfully issued. *segment* is the segment name. *len* shows in decimal and hexadecimal format the KFB length found in the KFB and DBD.

Severity: Error.

System action: Processing terminates.

User response: This is probably a resource definition conflict in IMS (DBDLIB/ACBLIB) and/or in IMS DPROP (IMS DPROP directory). Ensure that the database, the segment, and field definitions are consistent in the IMS and the IMS DPROP system, and resubmit the job.

Module: EKYL760X

EKYL765E UNEXPECTED SEGMENT LENGTH IN DL/I DATABASE DBD NAME: *dbd* NUMBER OF SUCCESSFULLY RETRIEVED SEGMENTS: *rct* SEGMENT NAME: *segment* MINIMUM LENGTH FOUND IN I/O AREA: *len//len* LENGTH FOUND IN DBD: *len//len*

Explanation: Following a GN operation, the DLU detected an unexpected segment length in the PCB. *dbd* is the name of the DBD. *rct* shows the number of DL/I calls that have already been successfully issued. *segment* is the segment name. *len* shows in decimal and hexadecimal format the length found in the I/O area and DBD.

Severity: Error.

System action: Processing terminates.

User response: This is probably a resource definition conflict in IMS (DBDLIB/ACBLIB) and/or in IMS DPROP (IMS DPROP directory). Ensure that the database, the segment, and field definitions are consistent in the IMS and the IMS DPROP system, and resubmit the job.

Module: EKYL760X

EKYL766E UNEXPECTED DL/I STATUS CODE RECEIVED AFTER *ssq*.SYNC*ssq*. OPERATION AIB RETURN CODE: *hexadecimal//decimal* AIB REASON CODE: *hexadecimal//decimal* PCB STATUS CODE: *stc*

Explanation: When processing a DEDB, the DLU

must issue a DL/I SYNC call to free the resources IMS has locked. The request failed; the return code and reason code returned in AIB are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the PCB status code described in IMS manuals, and resubmit the job.

Module: EKYL760X

EKYL769E SEGMENT HAS NOT BEEN MADE SENSITIVE IN THE PROVIDED PCB
DBD NAME: *DBD* **SEGMENT NAME:** *segment*

Explanation: The DLU detected that a segment containing propagated ID-fields was not made sensitive (or only key sensitive) in the PCB. This is not permitted. *DBD* is the name of the DBD. *segment* is the segment name.

Severity: Error.

System action: Processing terminates.

User response: Make the segment sensitive in the PCB, and resubmit the job.

Module: EKYL760X

EKYL785E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DLU attempted to access the data set allocated with the ddname *ddn* and found that the JCL is missing.

Severity: Error.

System action: Processing terminates.

User response: Provide JCL for the missing ddname, and resubmit the job.

Module: EKYL785X

EKYL790E INVALID PCB PROCESSING OPTION
DBD NAME: *DBD* **DB ORGANIZATION:** *dborg* **PROCESSING OPTION:** *procopt*

Explanation: The DLU detected an invalid processing option in the PCB when loading the DL/I database. A typical error is to code PROCOPT=L instead of PROCOPT=LS for a HIDAM database.

Severity: Error.

System action: Processing terminates.

User response: Correct the PCB, and resubmit the job.

Module: EKYL795X

EKYL791E UNEXPECTED DL/I STATUS CODE RECEIVED AFTER 'ISRT' OPERATION
STATUS CODE: *stc* **DBD NAME:** *dbd*
SEGMENT NAME: *segment* **NUMBER OF SUCCESSFULLY INSERTED SEGMENTS:** *rct*

Explanation: Following an ISRT operation, the DLU detected an unexpected status code in the PCB. *stc* is the unexpected status code. *dbd* is the name of the DBD. *segment* is the segment name. *rct* shows the number of DL/I calls that have already been successfully issued.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the PCB status code described in IMS manuals, and resubmit the job.

Module: EKYL795X

EKYL792E UNEXPECTED DL/I STATUS CODE RECEIVED AFTER 'SYNC' OPERATION
AIB RETURN CODE: *hexadecimal*/*decimal* **AIB REASON CODE:** *hexadecimal*/*decimal* **PCB STATUS CODE:** *stc*

Explanation: When processing a DEDB, the DLU must issue a DL/I SYNC call to free the resources IMS has locked. The request failed; the return code and reason code returned in AIB are given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the PCB status code described in IMS manuals, and resubmit the job.

Module: EKYL795X

EKYL793E UNEXPECTED DL/I STATUS CODE RECEIVED AFTER 'GU' OPERATION
STATUS CODE: *stc* **DBD NAME:** *dbd*
SEGMENT NAME: *segment*

Explanation: Following a GU operation, the DLU detected an unexpected status code in the PCB. *stc* is the unexpected status code. *dbd* is the name of the DBD. *segment* is the segment name.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the PCB status code described in IMS manuals, and resubmit the job.

Module: EKYL795X

**EKYL794E UNEXPECTED DLI STATUS CODE
RECEIVED AFTER 'GNP' OPERATION
STATUS CODE: *stc* DBD NAME: *dbd*
SEGMENT NAME: *segment***

Explanation: Following a GNP operation, the DLU detected an unexpected status code in the PCB. *stc* is the unexpected status code. *dbd* is the name of the DBD. *segment* is the segment name.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the PCB status code described in IMS manuals, and resubmit the job.

Module: EKYL795X

**EKYL795E UNEXPECTED DLI STATUS CODE
RECEIVED AFTER 'GNP' OPERATION
STATUS CODE: *stc* DBD NAME: *dbd*
SEGMENT NAME: *segment***

Explanation: Following a GNP operation, the DLU detected an unexpected status code in the PCB. *stc* is the unexpected status code. *dbd* is the name of the DBD. *segment* is the segment name.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the PCB status code described in IMS manuals, and resubmit the job.

Module: EKYL795X

**EKYL805E OPEN ERROR FOR DD STATEMENT
WITH DDNAME *ddn* RETURN CODE
(R15): *hexadecimal/decimal* DCBOFLGS:
FLAGBYTE/FLAGBYTE**

Explanation: The DLU attempted to open the DLUDBD DD statement but the request was unsuccessful. *ddn* is the DD statement for which the open was attempted. *returncode* is the return code given by the OPEN macro in decimal and hexadecimal format. *FLAGBYTE* is the DCBOFLGS flag provided in the DCB in decimal and hexadecimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the DCBOFLGS flag described in MVS manuals, and resubmit the job.

Module: EKYL805X

**EKYL806E LOAD ERROR FOR DD STATEMENT
WITH DDNAME *ddn* MEMBER NAME:
mdl ABEND CODE (R1):
hexadecimal/decimal REASON CODE
(R15): *hexadecimal/decimal***

Explanation: The DLU attempted to load the DBD for the database to be processed but the request was unsuccessful. *ddn* is the DD statement for which a load request was attempted. *mdl* is the member to be loaded. *returncode* are the abend code and return code provided by LOAD macro in decimal and hexadecimal format.

System action: Processing terminates.

User response: Provide appropriate action required by the return codes described in MVS manuals, and resubmit the job.

Module: EKYL805X

**EKYL807E CLOSE ERROR FOR DD STATEMENT
WITH DDNAME *ddn* RETURN CODE
(R15): *hexadecimal/decimal***

Explanation: The DLU attempted to close the DLUDBD library but the request was unsuccessful. *ddn* is the DD statement for which a close was attempted. *returncode* is the return code given by the CLOSE macro in decimal and hexadecimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the DCBOFLGS flag described in MVS manuals, and resubmit the job.

Module: EKYL805X

**EKYL808E INCONSISTENT DBD FOUND IN *ddn*
MEMBER NAME: *mdl***

Explanation: The DLU detected that the loaded member from DLUDBD DD statement is not a DBD created by the DBDGEN utility. This message also appears either for a valid DBD having unexpected data, or when the DBD layout does not match the DBD contents.

Severity: Error.

System action: Processing terminates.

User response: Provide a proper DBD library with a valid DBD to the DLUDBD DD statement, and resubmit the job.

Module: EKYL805X

EKYL809E DBD CONTAINS AN UNSUPPORTED TYPE OF IMS DATABASE DBD NAME:
dbd ACCESS: DBACCESS

Explanation: The DLU detected that the type of IMS database in the DBD is not supported by IMS DPROP. You probably specified a DBD with an HSAM, SHSAM, MSDB or GSAM type of IMS database.

Severity: Error.

System action: Processing terminates.

User response: Provide a DBD name in the CREATE input control statement that contains a DL/I access method supported by IMS DPROP, and resubmit the job.

Module: EKYL805X

EKYL850E NONZERO CODE RETURNED BY MACRO *macro* WHEN ACCESSING THE DATA SET WITH DDNAME *ddn* MACRO RETURN CODE (R15):
hexadecimal/decimal

Explanation: The DLU issued I/O operations to access DBRC information. The request completed unsuccessfully with a return code other than zero. This message is preceded by another message giving more detailed information. The return code is given in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: Provide appropriate action required by the preceding message, and resubmit the job.

Module: EKYL850X

EKYL851E UNEXPECTED RESULT WHILE ANALYZING THE RESPONSE OF A LIST.DB COMMAND; POSSIBLE DBRC RELEASE CONFLICT

Explanation: The DLU could not recognize or interpret the data returned by DBRC.

Severity: Error.

System action: Processing terminates.

User response: This is probably a release conflict between the IMS DPROP and the IMS software in your installation. Provide appropriate JOBLIB/STEPLIB in the JCL, and resubmit the job.

Module: EKYL850X

EKYL852E UNEXPECTED DATABASE TYPE FOUND ON THE RECON DB RECORD;
DBNAME=dbd; TYPE=type

Explanation: The DLU could not recognize or interpret the data returned by DBRC.

Severity: Error.

System action: Processing terminates.

User response: This is probably a release conflict between the IMS DPROP and the IMS software in your installation. Provide appropriate JOBLIB/STEPLIB in the JCL, and resubmit the job.

Module: EKYL850X

EKYL853E DATABASE *dbd* IS NOT SET TO 'READ-ONLY'; DATA EXTRACTION CANNOT BE PERFORMED YET

Explanation: The DLU detected that the DL/I database to be read is not set to read-only.

Severity: Error.

System action: Processing terminates.

User response: Set the database to READON, and resubmit the job.

Module: EKYL850X

EKYL854E AT LEAST ONE UPDATER IS ALREADY RUNNING ON DATABASE *dbd*; DATA EXTRACTION CANNOT BE PERFORMED YET

Explanation: The DLU detected that the DL/I database is allocated for update to another user or subsystem.

Severity: Error.

System action: Processing terminates.

User response: Wait until the user or subsystem terminates, and resubmit the job.

Module: EKYL850X

EKYL855E DATABASE *dbd* IS SET TO 'READ-ONLY'; DATA LOAD CANNOT BE PERFORMED YET

Explanation: The DLU detected that the DL/I database to be created is set to read-only.

Severity: Error.

System action: Processing terminates.

User response: Set the database to READOFF, and resubmit the job.

Module: EKYL850X

**EKYL856E MORE THAN ONE UPDATER IS
ALREADY RUNNING ON DATABASE
dbd; DATA LOAD CANNOT BE
PERFORMED YET**

Explanation: The DLU detected that the DL/I database is allocated for READOFF to another user or subsystem. This message can also appear when the PROCOPT= parameter in the PCB was not correctly specified.

Severity: Error.

System action: Processing terminates.

User response: Wait until the other users or subsystems terminate, and resubmit the job.

Module: EKYL850X

**EKYL857E NONZERO RETURN CODE RETURNED
BY MODULE *mdl* WHEN LOOKING FOR
THE STATUS OF A DATABASE
RETURN CODE (R15): *rc/rc***

Explanation: The DLU tried to LINK to DBRC to get the DBRC control level, but the LINK request failed. The message shows the LINK return code in hexadecimal and decimal.

Severity: Error.

System action: DLU processing terminates.

User response: Check the return codes from the LINK macro in the *OS/390 MVS Application Development Guide*. Correct the error, and resubmit the job.

Module: EKYL850X

**EKYL858E TABLE *table* IN TABLE SPACE *tspace* IN
DATABASE *dbd* IS NOT SET TO
'READ-ONLY'; DATA EXTRACTION
CANNOT BE PERFORMED YET**

Explanation: The DLU noticed that the DB2 tables to be read are not set to read-only.

Severity: Error.

System action: Processing terminates.

User response: Set the DB2 tables to be read to READON, and resubmit the job.

Module: EKYL850X

**EKYL860E UNSUPPORTED SQLTYPE '*value*' IN
SQLDA, COLUMN NAME=*column*,
TABLE QUALIFIER=*qualifier*, TABLE
NAME=*tablename*, FUNCTION=*function*,
MODULE NAME=*mdl***

Explanation: An SQL error occurred while processing the named function.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Check the previously issued SQL error messages, correct the error, and resubmit the job. If the error persists, call IBM Software Support for assistance.

Module: EKYL860X, EKYL865X, EKYL880X

**EKYL861E COLUMN NAME=*column* NOT FOUND
IN SQLDA, TABLE QUALIFIER=*qualifier*,
TABLE NAME=*tablename*, MODULE
NAME=*mdl***

Explanation: This is an unexpected IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 16.

System programmer response: Call IBM Software Support for assistance.

Module: EKYL860X, EKYL865X

**EKYL862E INTERNAL ERROR: INVALID
PROCESSING OPTION *value*, TABLE
QUALIFIER=*qualifier*, TABLE
NAME=*tablename*, MODULE NAME=*mdl***

Explanation: This is an unexpected IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 16.

System programmer response: Call IBM Software Support for assistance.

Module: EKYL865X, EKYL870X, EKYL871X,
EKYL872X, EKYL873X

**EKYL863E SQL ERROR: FUNCTION=*fname*,
SQLCODE=*sqlcode*, SQLWARN=*value*,
PRID=*prid*, TABLE QUALIFIER=*qualifier*,
TABLE NAME=*tablename*, MODULE
NAME=*mdl***

Explanation: An SQL error occurred while processing the named function.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Check the previously issued SQL error messages, correct the error and resubmit the job. If the error persists, call IBM Software Support for assistance.

Module: EKYL870X, EKYL871X, EKYL872X, EKYL8783X

EKYL864E ERROR DURING HUP PROCESSING:
PRID=*prid*, **TABLE QUALIFIER=***qualifier*,
TABLE NAME=*tablename*, **MODULE**
NAME=*mdl*, **HUP RC=***returncode*,
CHECK THE PREVIOUSLY ISSUED
HUP MESSAGE

Explanation: An error occurred during HUP processing.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Check the previously issued HUP error messages, correct the error and resubmit the job. If the error persists, call IBM Software Support for assistance.

Module: EKYL865X

EKYL865E HUP DID NOT FIND A VALID PR FOR
TABLE NAME=*tablename*, **TABLE**
QUALIFIER=*qualifier*, **EXPECTED**
PRID=*prid*, **MODULE NAME=***mdl*, **HUP**
RC=*returncode*

Explanation: This is an unexpected IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 16.

System programmer response: Call IBM Software Support for assistance.

Module: EKYL865X

EKYL866E ERRORS OCCURRED DURING HUP
PROCESSING, JOB TERMINATED

Explanation: Errors occurred during HUP processing in module EKYL865X.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Check the previously issued HUP messages, correct the errors, and resubmit the job.

Module: EKYL865X

EKYL869E THE DLU CANNOT BE EXECUTED:
THE REQUESTED NUMBER OF DB2
TABLES TO BE PROCESSED IS
number, **THE MAXIMUM NUMBER OF**
DB2 TABLES SUPPORTED IS *number*

Explanation: The DLU is currently limited to processing a maximum of 1024 DB2 tables.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Call IBM Software Support for assistance.

Module: EKYL860X

EKYL872E INTERNAL ERROR: EKYL880X
CALLED WITH INVALID ERROR TYPE
type, **CALLING COMPONENT=***value*

Explanation: This is an unexpected IMS DPROP internal error.

Severity: Error.

System action: Processing terminates with return code 16.

System programmer response: Call IBM Software Support for assistance.

Module: EKYL880X

EKYL873E //DLUDSCRM DD STATEMENT MISSING

Explanation: The //DLUDSCRM DD statement is missing.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Provide a DD statement with ddname DLUDSCRM, and resubmit the job.

Module: EKYL880X

EKYL874E I/O ERROR ON //DLUDSCRM DATA SET

Explanation: An I/O error has occurred on the //DLUDSCRM data set.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Check any messages previously issued by IMS DPROP I/O services, correct the error, and resubmit the job.

Module: EKYL880X

**EKYL930I STATISTICS FOR IMS DATA - DLU
STEP *step* - READ OF DL/I DATABASE**

Explanation: This is a text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL930X

EKYL931I ***

Explanation: This is a text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL930X

**EKYL932I STATISTICS FOR IMS DATA - DLU
STEP *step* - READ OF DLURLOAD
DATA SET**

Explanation: This is a text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL930X

EKYL933I ***

Explanation: This is a text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Module: EKYL930X

**EKYL934I STATISTICS FOR IMS DATA - DLU
STEP *step* - READ OF DLUINⁿⁿⁿ DATA
SET(S)**

Explanation: This is a text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL930X

EKYL935I ***

Explanation: This is a text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL930X

**EKYL936I STATISTICS FOR DB2 DATA - DLU
STEP *step* - READ OF TABLE(S)**

Explanation: This is a text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL930X

EKYL937I ***

Explanation: This is a text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL930X

EKYL938I *text*

Explanation: This is a generated text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL930X, ELYL935X

EKYL939I PROVIDED INPUT WAS EMPTY

Explanation: This is a text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL930X, EKYL935X

**EKYL940I STATISTICS FOR INTERMEDIATE DATA
- DLU STEP *step* - READ OF MERGEIN1
DATA SET**

Explanation: This is a text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL935X

EKYL941I ***

Explanation: This is a text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL935X

**EKYL942I STATISTICS FOR INTERMEDIATE DATA
- DLU STEP *step* - READ OF MERGEIN2
DATA SET**

Explanation: This is a text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL935X

EKYL943I ***

Explanation: This is a text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL935X

**EKYL944I STATISTICS FOR INTERMEDIATE DATA
- DLU STEP *step* - MERGE AND WRITE
OF IMS DATA**

Explanation: This is a text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL935X

EKYL945I ***

Explanation: This is a text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL935X

**EKYL946I STATISTICS FOR INTERMEDIATE DATA
- DLU STEP *step* - WRITE OF IMS DATA**

Explanation: This is a text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL935X

EKYL947I ***

Explanation: This is a text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL935X

EKYL948I text

Explanation: This is a generated text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL930X, ELYL935X

EKYL949I text

Explanation: This is a generated text line provided on DLUPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: For more information, see "Interpreting DLU Reports" in the *IMS DataPropagator Reference*.

Module: EKYL930X, ELYL935X

EKYL951E **CAF CONNECTION FAILURE: DB2 IS CURRENTLY TERMINATING WITH MODE=FORCE OR MODE=ABEND**
TERMINATION ECB: *ecb* RETURN
CODE (R15): *hexadecimal//decimal*
REASON CODE (R0): *reason//reason*

Explanation: This message describes a Call Attach Facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL955X

EKYL952E **CAF CONNECTION FAILURE:**
TERMINATION ECB IS NOT POSTED
BUT CONTAINS A NONZERO VALUE IN
IT TERMINATION ECB: *ecb* RETURN
CODE (R15): *hexadecimal//decimal*
REASON CODE (R0): *reason//reason*

Explanation: This message describes a Call Attach Facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL955X

EKYL960E **UNEXPECTED DPROP NAME/TOKEN**
IN TABLE=*table* READ:
DPRNAME=*dprname* DPRTOKEN=*token*
EXPECTED: DPRNAME=*dprname*
DPRTOKEN=*token*

Explanation: The DLU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: Processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYL960X

EKYL961E **INCONSISTENT DATA IN DPROP**
DIRECTORY

Explanation: The DLU detected inconsistencies in the IMS DPROP directory when re-establishing the current position following a deadlock situation. This situation can occur when the IMS DPROP directory is being updated while the DLU is executing.

Severity: Error.

System action: Processing terminates.

User response: Ensure that the IMS DPROP directory is not currently updated by another user. Then resubmit the job.

Module: EKYL960X

EKYL965E **CAF CONNECTION FAILURE: DB2 IS CURRENTLY TERMINATING WITH MODE=FORCE OR MODE=ABEND**
TERMINATION ECB: *ecb* RETURN
CODE (R15): *hexadecimal//decimal*
REASON CODE (R0): *reason//reason*

Explanation: This message describes a Call Attach Facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL965X

EKYL966E CAF CONNECTION FAILURE: TERMINATION ECB IS NOT POSTED BUT CONTAINS A NONZERO VALUE IN IT TERMINATION ECB: *ecb* RETURN CODE (R15): *hexadecimal//decimal* REASON CODE (R0): *reason/reason*

Explanation: This message describes a Call Attach Facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL965X

EKYL967I BACKOUT PERFORMED; BEGINNING TO REACCESS DPROP DIRECTORY; REASON: *SQLCODE sqlcde*

Explanation: The DLU will reprocess its current unit of work for the reason given in *sqlcde*. Possible reasons are:

- **-911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another DLU is executing at the same time or an authorized QMF™ user is accessing the IMS DPROP directory.
- **-913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another DLU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.

Severity: Information.

System action: Processing continues.

Module: EKYL965X

EKYL968E LIMIT OF *nbr* DEADLOCKS REACHED FOR DPROP DIRECTORY

Explanation: The DLU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of deadlocks allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one DLU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the DLU is executing.

Severity: Error.

System action: DLU processing terminates.

User response: Resubmit the job.

Module: EKYL965X

EKYL971E INCONSISTENT DATA IN DB2 CATALOG

Explanation: The DLU detected inconsistencies in the DB2 catalog when re-establishing the current position following a deadlock situation. This situation can occur when the DB2 catalog is being updated while the DLU is executing.

Severity: Error.

System action: Processing terminates.

User response: Ensure that the DB2 catalog is not currently updated by another user. Then resubmit the job.

Module: EKYL970X

EKYL975E CAF CONNECTION FAILURE: DB2 IS CURRENTLY TERMINATING WITH MODE=FORCE OR MODE=ABEND TERMINATION ECB: *ecb* RETURN CODE (R15): *hexadecimal//decimal* REASON CODE (R0): *reason/reason*

Explanation: This message describes a Call Attach Facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL975X

EKYL976E CAF CONNECTION FAILURE: TERMINATION ECB IS NOT POSTED BUT CONTAINS A NONZERO VALUE IN IT TERMINATION ECB: *ecb* RETURN CODE (R15): *hexadecimal//decimal* REASON CODE (R0): *reason/reason*

Explanation: This message describes a Call Attach Facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL975X

**EKYL977I BACKOUT PERFORMED; BEGINNING TO REACCESS DB2 CATALOG;
REASON: SQLCODE *sqlcde***

Explanation: The DLU will reprocess its current unit of work for the reason given in *sqlcde*. Possible reasons are:

- **-911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another DLU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **-913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another DLU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.

Severity: Information.

System action: Processing continues.

Module: EKYL975X

EKYL978E LIMIT OF *nbr* DEADLOCKS REACHED FOR DB2 CATALOG

Explanation: The DLU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of deadlocks allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one DLU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the DLU is executing.

Severity: Error.

System action: DLU processing terminates.

User response: Resubmit the job.

Module: EKYL975X

**EKYL981E CAF CONNECTION FAILURE: DB2 IS CURRENTLY TERMINATING WITH MODE=FORCE OR MODE=ABEND
TERMINATION ECB: *ecb* RETURN CODE (R15): *hexadecimal//decimal*
REASON CODE (R0): *reason/reason***

Explanation: This message describes a Call Attach Facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL985X

**EKYL982E CAF CONNECTION FAILURE:
TERMINATION ECB IS NOT POSTED
BUT CONTAINS A NONZERO VALUE IN
IT TERMINATION ECB: *ecb* RETURN
CODE (R15): *hexadecimal//decimal*
REASON CODE (R0): *reason/reason***

Explanation: This message describes a Call Attach Facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL985X

**EKYL983E IFI CONNECTION FAILURE:
INSTRUMENTATION FACILITY ERROR
IFI CALL PARAMETER 1, FUNCTION:
function RETURN CODE (R15):
hexadecimal//decimal REASON CODE
(R0): *reason/reason***

Explanation: This message describes an Instrumentation Facility Interface (IFI) failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL985X

**EKYL984E IFI CONNECTION FAILURE:
INSTRUMENTATION FACILITY ERROR
IFI CALL PARAMETER 1, FUNCTION:
function RETURN CODE (R15):
hexadecimal//decimal REASON CODE
(R0): *hexadecimal//decimal* RETURN
AREA LENGTH: *len* BYTES MOVED IN
RETURN AREA: *len* BYTES NOT
MOVED IN RETURN AREA: *len***

Explanation: This message describes an Instrumentation Facility Interface (IFI) failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL985X

EKYL985E IFI CONNECTION FAILURE:
INSTRUMENTATION FACILITY ERROR
SEE NEXT MESSAGE(S) (EKYZ986E)
FOR MORE DETAILED INFORMATION
IFI CALL PARAMETER 1, FUNCTION:
function RETURN CODE (R15):
hexadecimal//decimal REASON CODE
(R0): *reason/reason*

Explanation: This message describes an Instrumentation Facility Interface (IFI) failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL985X

EKYL986E MESSAGE TEXT: *dlutxt*

Explanation: This message describes an Instrumentation Facility Interface (IFI) failure and follows message EKYL985E with additional information.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL985X

EKYL991E CAF CONNECTION FAILURE: DB2 IS
CURRENTLY TERMINATING WITH
MODE=FORCE OR MODE=ABEND
TERMINATION ECB: *ecb* RETURN
CODE (R15): *hexadecimal//decimal*
REASON CODE (R0): *reason/reason*

Explanation: This message describes a Call Attach Facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL995X

EKYL992E CAF CONNECTION FAILURE:
TERMINATION ECB IS NOT POSTED
BUT CONTAINS A NONZERO VALUE IN
IT TERMINATION ECB: *ecb* RETURN
CODE (R15): *hexadecimal//decimal*
REASON CODE (R0): *reason/reason*

Explanation: This message describes a Call Attach Facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL995X

EKYL993E CAF CONNECTION FAILURE: DB2
SUBSYSTEM NAME INVALID CAF
CALL PARAMETER 1, FUNCTION:
function CAF CALL PARAMETER 2,
SUBSYSTEM NAME: *ssid* CAF CALL
PARAMETER 3, TERMINATION ECB:
ecb CAF CALL PARAMETER 4,
START-UP ECB: *ecb* CAF CALL
PARAMETER 5, COMPONENT
IDENTIFIER: *comp* RETURN CODE
(R15): *hexadecimal//decimal* REASON
CODE (R0): *reason/reason*

Explanation: This message describes a Call Attach Facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL995X

EKYL994E CAF CONNECTION FAILURE: USER
NOT AUTHORIZED TO DB2 CAF CALL
PARAMETER 1, FUNCTION: *function*
CAF CALL PARAMETER 2,
SUBSYSTEM NAME: *ssid* CAF CALL
PARAMETER 3, TERMINATION ECB:
ecb CAF CALL PARAMETER 4,
START-UP ECB: *ecb* CAF CALL
PARAMETER 5, COMPONENT
IDENTIFIER: *comp* RETURN CODE
(R15): *hexadecimal//decimal* REASON
CODE (R0): *reason/reason*

Explanation: This message describes a Call Attach Facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL995X

EKYL995E CAF CONNECTION FAILURE: PLAN NAME UNAUTHORIZED CAF CALL PARAMETER 1, FUNCTION: *function* CAF CALL PARAMETER 2, SUBSYSTEM NAME: *ssid* CAF CALL PARAMETER 3, TERMINATION ECB: *ecb* CAF CALL PARAMETER 4, START-UP ECB: *ecb* CAF CALL PARAMETER 5, COMPONENT IDENTIFIER: *comp* RETURN CODE (R15): *hexadecimal//decimal* REASON CODE (R0): *reason/reason*

Explanation: This message describes a Call Attach Facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL995X

EKYL996E CAF CONNECTION FAILURE: DB2 SUBSYSTEM NOT UP CAF CALL PARAMETER 1, FUNCTION: *function* CAF CALL PARAMETER 2, SUBSYSTEM NAME: *SSID* CAF CALL PARAMETER 3, TERMINATION ECB: *ecb* CAF CALL PARAMETER 4, START-UP ECB: *ecb* CAF CALL PARAMETER 5, COMPONENT IDENTIFIER: *comp* RETURN CODE (R15): *hexadecimal//decimal* REASON CODE (R0): *reason/reason*

Explanation: This message describes a Call Attach Facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL995X

EKYL997E CAF CONNECTION FAILURE: CALL ATTACHMENT ERROR CAF CALL PARAMETER 1, FUNCTION: *function* CAF CALL PARAMETER 2, SUBSYSTEM NAME: *ssid* CAF CALL PARAMETER 3, TERMINATION ECB: *ecb* CAF CALL PARAMETER 4, START-UP ECB: *ecb* CAF CALL PARAMETER 5, COMPONENT IDENTIFIER: *comp* RETURN CODE (R15): *hexadecimal//decimal* REASON CODE (R0): *reason/reason*

Explanation: This message describes a Call Attach Facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: Processing terminates.

User response: See *IBM Database2 Messages and Codes* for the appropriate action.

Module: EKYL995X

EKYL998E CAF CONNECTION FAILURE: OPEN ERROR SEE NEXT MESSAGE (EKYZ360E) FOR MORE DETAILED INFORMATION (SQLCA CONTENTS) CAF CALL PARAMETER 1, FUNCTION: *function* CAF CALL PARAMETER 2, SUBSYSTEM NAME: *ssid* CAF CALL PARAMETER 3, PLAN NAME: *plan* RETURN CODE (R15): *rd/rc* REASON CODE (R0): *rsn/rsn*

Explanation: This message describes a Call Attach facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: DLU processing terminates.

User response: See *DB2 Messages and Codes* for the appropriate action.

Module: EKYL995X

EKYL999E CAF CONNECTION FAILURE: OPEN ERROR CAF CALL PARAMETER 1, FUNCTION: *function* CAF CALL PARAMETER 2, SUBSYSTEM NAME: *ssid* CAF CALL PARAMETER 3, PLAN NAME: *plan* RETURN CODE (R15): *rd/rc* REASON CODE (R0): *rsn/rsn*

Explanation: This message describes a Call Attach facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: DLU processing terminates.

User response: See *DB2 Messages and Codes* for the appropriate action.

Module: EKYL995X

Chapter 12. Mapping Verification and Generation (MVG) messages

EKYM001E INVALID FUNCTION CODE IN THE DPRCA, CODE=*func*

Explanation: An IMS DPROP internal error occurred.

Severity: Error.

System action: Processing terminates with return code 16. The caller of MVG terminates with the same return code.

System programmer response:

- Provide //EKYIN and //EKYTRACE DD statements to activate the IMS DPROP trace facility and specify DEBUG=64 to trace the control blocks.
- Rerun the DXT UIM job or the MVGU job and analyze the DPRCA (DSECT=EKYMCMCA) on the //EKYTRACE data set.
- Call IBM Software Support for assistance.

Module: EKYM000X

EKYM002E THE MVG IS NOT RUNNING UNDER MVS/ESA

Explanation: The environment is not MVS/ESA.

Severity: Error.

System action: Processing of the program terminates with return code 16. The caller of MVG also terminates with this return code.

System programmer response: Establish the correct environment and rerun the job.

Module: EKYM000X

EKYM003I RESTART PROCESSING AFTER A DEADLOCK

Explanation: A deadlock occurred during an SQL call. EKYM000X restarted processing after a rollback was issued.

Severity: Information.

System action: Processing of the current PR restarts.

Module: EKYM000X

EKYM004E THE ROLLBACK ISSUED AFTER A DEADLOCK FAILED; RETURN CODE=*returncode*

Explanation: A deadlock occurred during an SQL call on the IMS DPROP directory or on the DB2 catalog. IMS DPROP received a nonzero SQL code from DB2 after attempting to issue a rollback. The message EKYZ360E containing the DB2 error message and the SQL code is also displayed.

Severity: Error.

System action: MVG processing terminates. The caller of MVG terminates abnormally with userabend 1101 or 1105.

Programmer response: Refer to message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and resubmit the DXT UIM job or the MVGU job.

Module: EKYM000X

EKYM005E LOAD FAILED FOR DB2 MODULE 'DSNHDECP'; ERROR CODE=*errcode*, REASON CODE=*rsncde*

Explanation: A non-zero completion code resulted from an attempt to load the DB2 module 'DSNHDECP'. This module is used to obtain the current DB2 release.

Severity: Error.

System action: Processing of the program terminates with return code 16. The caller of the MVG terminates with the same return code.

System programmer response: Refer to the *MVS/ESA Data Administration: Macro Instruction Reference* for an explanation of error and the reason code.

Module: EKYM000X

EKYM010W NO DEFAULT PARAMETER FOUND OR //MVGPARM DD STATEMENT IS MISSING

Explanation: Either the MVGPARM data set that should contain the default propagation parameters is empty, or contains only comments, or this DD statement is not specified in the JCL.

All mandatory propagation parameters must be specified either in the:

- MAPUPARM keyword of the DXT SUBMIT command if MVG is called by the DXT UIM
- MVG input tables if MVG is called by the MVGU

Severity: Warning.

System action: Processing continues if all the mandatory propagation parameters are present.

Programmer response: None.

Module: EKYM010X

EKYM011I LIST OF THE DEFAULT PROPAGATION PARAMETERS:

Explanation: The default propagation parameters provided in the MVGPARM data set follow this message. They are written to the //MVGPRINT data set.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYM010X

**EKYM020E INVALID BIND KEYWORD SPECIFIED
IN PR=*prid***

Explanation: One of the following unsupported keywords, or its abbreviated form, is specified as a BIND parameter:

BIND
COPY
LIBRARY
MEMBER
PLAN

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of MVG stops processing and begins processing a new PR if any exist.

Programmer response: Check the BIND parameters, remove the incorrect keyword and resubmit the DXT UIM or the MVGU job for this PR.

Module: EKYM020X

**EKYM021E UNBALANCED PARENTHESES IN THE
BIND SUBCOMMAND IN PR=*prid***

Explanation: There is an unpaired number of parentheses in the BIND parameter.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of MVG stops processing and begins processing a new PR if one exists.

Programmer response: Check the contents of the BIND parameter, correct the error and resubmit the DXT UIM or the MVGU job for this PR.

Module: EKYM020X

**EKYM022E SYNTAX ERROR IN THE BIND
OPTIONS IN PR=*prid***

Explanation: The collection-id specified in the PACKAGE keyword of the BIND parameter is missing or is too long.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of MVG stops processing and begins processing a new PR, if one exists.

Programmer response: Check the PACKAGE

keyword of the BIND parameter.

Correct the cause of the error and resubmit the DXT UIM or the MVGU job for this PR.

Module: EKYM020X

**EKYM023E UNBALANCED PARENTHESES IN THE
COMMENT PARAMETER IN PR=*prid***

Explanation: There is an unpaired number of parentheses in the COMMENT parameter.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of MVG stops processing and begins processing a new PR, if one exists.

Programmer response: Check the contents of the COMMENT parameter.

Correct the cause of the error and resubmit the DXT UIM or the MVGU job for this PR.

Module: EKYM020X

EKYM024E BIND PARAMETER TOO LARGE

Explanation: More than 236 bytes are specified in the BIND parameter.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of MVG stops processing and begins processing a new PR if one exists.

Programmer response: Check the BIND parameters, Correct the cause of the error and resubmit the DXT UIM or the MVGU job for this PR.

Module: EKYM020X

EKYM025E COMMENT PARAMETER TOO LARGE

Explanation: More than 254 bytes are specified in the COMMENT parameter.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of MVG stops processing and begins processing a new PR if one exists.

Programmer response: Check the COMMENT parameter.

Correct the cause of the error and resubmit the DXT UIM or the MVGU job for this PR.

Module: EKYM020X

**EKYM026E COLLECTION ID IS NOT FOUND OR
THE BIND PARAMETER HAS AN
INVALID SYNTAX**

Explanation: Either there is no collection-id specified in the BIND parameter or the PACKAGE keyword is specified incorrectly.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of MVG stops processing and begins processing a new PR if one exists.

Programmer response: Check the BIND parameter.

Correct the cause of the error and resubmit the DXT UIM or the MVGU job for this PR.

Module: EKYM020X

**EKYM030E INVALID PROPAGATION
PARAMETER=parm**

Explanation: The identified propagation parameter is invalid. This parameter comes from either the:

- Propagation parameter default data set (//MVGPARM)
- MAPUPARM keyword of the DXT SUBMIT command if MVG is called by the DXT UIM
- MVG input tables if MVG is called by the MVGU.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the default propagation parameters (//MVGPARM) and the propagation parameters specified for this PR. Correct the cause of the error rerun the DXT UIM or the MVGU job.

Module: EKYM030X

**EKYM031E INVALID PROPSEGM: DBNAME OR
SEGMENT NAME IS GREATER THAN 8
BYTES**

Explanation: The PROPSEGM parameter specified either in the propagation parameter default data set (//MVGPARM) or in the MAPUPARM keyword of the DXT SUBMIT command is invalid. Either one of the database names or one of the segment names specified in this PROPSEGM parameter is greater than 8 bytes. The PROPSEGM parameter should contain at least one database name followed by one or several segment names separated by commas. The first segment name is separated from the database by a slash (/). If another database is to be propagated, this database name is separated from the last segment of the previous database by a comma.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the PROPSEGM parameter specified in the default data set (//MVGPARM) and in the MAPUPARM keyword of the DXT SUBMIT command. Correct the cause of the error, and rerun the DXT UIM job.

Module: EKYM030X

**EKYM032E INVALID PROPSEGM: A SEGMENT
NAME IS SPECIFIED WITHOUT
PREVIOUS DBNAME**

Explanation: The PROPSEGM parameter specified either in the propagation parameter default data set (//MVGPARM) or in the MAPUPARM keyword of the DXT SUBMIT command is invalid. The first name specified in the PROPSEGM is not a database name; for example, the name is not followed by a slash (/) and another name. The PROPSEGM parameter should contain at least one database name followed by one or several segment names separated by commas. The first segment name is separated from the database by a slash. If a further database is to be propagated, this database name will be separated from the last segment of the previous database by a comma.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the PROPSEGM parameter specified in the default data set (//MVGPARM) and in the MAPUPARM keyword of the DXT SUBMIT command. Correct the cause of the error, and rerun the DXT UIM job.

Module: EKYM030X

**EKYM033E INVALID PROPSEGM: DBNAME IS NOT
FOLLOWED BY A SEGMENT NAME**

Explanation: The PROPSEGM parameter specified either in the propagation parameter default data set (//MVGPARM) or in the MAPUPARM keyword of the DXT SUBMIT command is invalid. There is no segment name following the slash specified after the database name. The PROPSEGM parameter should contain at least one database name followed by one or several segment names separated by commas. The first segment name is separated from the database by a slash (/). If a further database is to be propagated, this database name will be separated from the last segment of the previous database by a comma (,).

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the PROPSEGM parameter specified in the default data set (//MVGPARM) and in the MAPUPARM keyword of the DXT SUBMIT command. Correct the cause of the error, and rerun the DXT UIM job.

Module: EKYM030X

EKYM034E INVALID SYNTAX OF THE PROPAGATION PARAMETERS IN THE DEFAULT DATA SET (//MVGPARM)

Explanation: The propagation parameters specified in the default data set (//MVGPARM) are not separated by commas.

Severity: Error.

System action: Processing of the program terminates with return code 16. The caller of MVG terminates with the same return code.

Programmer response: Check the //MVGPARM data set.

Correct the cause of the error, and rerun the DXT UIM job or the MVGU job.

Module: EKYM030X

EKYM040E LENFIELD=*lenfld* WAS NOT FOUND IN THE FIELD DESCRIPTION; PR=*prid*, DBNAME=*dbname*, SEGMENT=*segment*, FIELD=*field*

Explanation: The DBA specified a length field (LENFIELD=) in the current field description but this length field was not found in the input definitions (DXT definitions or MVG input tables) for this PR.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: In the input definitions of this PR, provide the field specified in LENFIELD= and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM040X

EKYM041E FIELD NAME NOT SPECIFIED FOR PR=*prid*; DBNAME=*dbname*, SEGMENT=*segment*

Explanation: A row in the DPRIFLD table does not have a field name specified. The field name is required.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The MVGU stops processing this PR and begins processing any new PRs.

Programmer response: Ensure that all the rows in the DPRIFLD table have a field name specified.

Module: EKYM040X

EKYM042E INVALID DATATYPE SPECIFIED FOR A LENFIELD OR OCCURS FIELD IN PR=*prid*, DBNAME=*dbname*, SEGMENT=*segment*, FIELD=*field*; DATATYPE=*dtyp*, DATATYP2=*dtyp2*

Explanation: The field specified in FIELD= is a length field or an occurs field used in an internal segment, and it has a data type that is not valid for a length field or occurs field. This kind of field must be numeric and must have a zero scale if it is packed or zoned decimal; it cannot be floating-point.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Specify a valid data type for this field, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM040X

EKYM043E INVALID DATATYPE SPECIFIED OR DATATYPE AND DATATYP2 ARE INCOMPATIBLE IN PR=*prid*, DBNAME=*dbname*, SEGMENT=*segment*, FIELD=*field*; DATATYPE=*dtyp*, DATATYP2=*dtyp2*

Explanation: When coding a field description, you can specify its data type in IMS DPROP terminology, in DB2 terminology, or both. This message is issued if one of these specifications is not a valid data type (neither a standard data type nor a user data type), or if the data type specified in the IMS DPROP terminology does not correspond to the one specified in the DB2 terminology.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check this field description, correct the wrong data type (or remove it if you have specified it in both IMS DPROP and DB2 terminology), and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM040X

EKYM044E LENFIELD MISSING FOR FIELD=*field* IN
PR=*prid*, DBNAME=*dbname*,
SEGMENT=*segment*, DATATYPE=*dtyp*,
DATATYP2=*dtyp2*

Explanation: A variable-length field (VARCHAR or VARGRAPHIC) must have a length field (LENFIELD) to contain the current field length. The field identified in FIELD= is a variable-length field but no length field is specified for it.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Specify a length field for this field and, rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM040X

EKYM045E THE FIELD DATATYPE IS A STANDARD
DATATYPE; FIELD USER EXIT IS NOT
ALLOWED IN PR=*prid*,
DBNAME=*dbname*, SEGMENT=*segment*,
FIELD=*field*

Explanation: Fields that are of standard data types cannot have a Field exit routine specified. The data type of the field identified in FIELD= is a standard data type, but at least one of the following types of information is specified:

- Field exit routine name
- Data type output of the Field exit routine
- Length output of the Field exit routine
- Scale information output of the Field exit routine

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Either correct the field data type or remove the Field exit routine specifications. Rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM040X

EKYM046E THE FIELD DATATYPE COULD BE A
USER DATATYPE BUT THE FIELD EXIT
SPECIFICATIONS ARE MISSING,
INVALID OR INCOMPLETE IN PR=*prid*,
DBNAME=*dbname*, SEGMENT=*segment*,
FIELD=*field*

Explanation: The specified field data type is not a standard data type; it could be a user data type, but at least one of the following kinds of information is missing or invalid:

- The name of the Field exit routine

- The data type output of the Field exit routine
- The length output of the Field exit routine

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: If the data type of this field is a user data type, specify the correct and complete information for it. Otherwise, specify a valid standard data type and rerun the DXT UIM job or the MVGU job or this PR.

Module: EKYM040X

EKYM047E INVALID LENGTH FOR THE SPECIFIED
DATATYPE IN PR=*prid*,
DBNAME=*dbname*, SEGMENT=*segment*,
FIELD=*field*; DATATYPE=*dtyp*

Explanation: According to the data type identified in DATATYPE=, the length of the field identified in FIELD= is invalid or missing. This message is issued for the field length itself or for the length output of a Field exit routine, in which case the identified data type is the data type output of the Field exit routine.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: For a description of data types, see the *IMS DataPropagator Reference*.

Specify either a correct field length or another data type, and rerun the job for this PR.

Module: EKYM040X

EKYM048E INVALID SCALE FACTOR OR SCALE IS
NOT ALLOWED FOR FIELD=*field* IN
PR=*prid*, DBNAME=*dbname*,
SEGMENT=*segment*, DATATYPE=*dtyp*

Explanation: Either the specified scale factor is too big for the data type of this field, or no scale is allowed for this data type. This message is issued for the scale of the field itself or for the scale output of a Field exit routine. In this case, the identified data type is the data type output of the Field exit routine.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: For a description of data types, see the *IMS DataPropagator Reference*.

Specify either a correct scale factor (or no scales) or specify another data type. Then, rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM040X

EKYM049E COLUMN NAME=*column* IS MAPPED TO BY MORE THAN ONE FIELD IN PR=*prid*

Explanation: Each column in the propagated table can be mapped to by only one input field. This error occurs when a specific column is mapped to by at least two fields.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check your field definitions for this PR, correct the error, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM040X

EKYM050E PRTYPE IS MISSING IN PR=*prid*

Explanation: The PR type is not specified in the propagation parameter default data set (//MVGPARM), in the MAPUPARM keyword of the DXT SUBMIT command, or in the MVG input tables.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Specify a valid PR type in the default data set (//MVGPARM), in the MAPUPARM keyword of the DXT SUBMIT command, or on the MVG input tables if the MVG is called by the MVGU. Rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM050X

EKYM051E MAPPING CASE (MAPCASE) IS MISSING IN PR=*prid*

Explanation: The identified PR belongs to a generalized mapping case (PRTYPE not = U). The mapping case, which is a mandatory parameter for this type of PR, is missing. It must be specified in one of these places:

- The propagation parameter default data set (//MVGPARM).
- The MAPUPARM keyword of the DXT SUBMIT command, if the PR is coded using DXT.
- The MVG input tables, if MVG is called by the MVGU.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Specify a valid mapping case and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM050X

EKYM052E MAPPING DIRECTION (MAPDIR) IS MISSING OR INVALID FOR THIS PRTYPE; PR=*prid*; PRTYPE=*prtype*, MAPDIR=*mdir*

Explanation: The mapping direction is invalid or is missing. It must be specified in one of the following places:

- The propagation parameter default data set (//MVGPARM)
- The MAPUPARM keyword of the DXT SUBMIT command, if the PR is coded using DXT
- The MVG input tables, if MVG is called by the MVGU

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Specify a valid mapping direction and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM050X

EKYM053E ERROR OPTION (ERROPT) IS MISSING IN PR=*prid*

Explanation: The error option is not specified in the propagation parameter default data set (//MVGPARM), in the MAPUPARM keyword of the DXT SUBMIT command, or in the MVG input tables.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Specify a valid error option in the default data set (//MVGPARM), in the MAPUPARM keyword of the DXT SUBMIT command, or on the MVG input tables if MVG is called by the MVGU. Rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM050X

**EKYM055E PROPAGATION USER EXIT
(EXITNAME) SHOULD NOT BE
SPECIFIED IN PR=*prid*; PRTYPE=*prtype***

Explanation: The identified PR belongs to a generalized mapping case, but it has a Propagation exit routine specified in the propagation parameter default data set (//MVGPARM), in the MAPUPARM keyword of the DXT SUBMIT command, or on the MVG input tables. You cannot specify this type of exit for a generalized mapping case.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Either remove the Propagation exit routine name or change the PR to a user mapping case (PRTYPE=U). Rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM050X

**EKYM056E PROPAGATION USER EXIT
(EXITNAME) SHOULD BE SPECIFIED
IN PR=*prid*; PRTYPE=*prtype***

Explanation: The identified PR belongs to a user mapping case but a Propagation Exit routine is not specified in the propagation parameter default data set (//MVGPARM), in the MAPUPARM keyword of the DXT SUBMIT command, or in the MVG input tables.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Either specify a Propagation exit routine name, or change the PR to a generalized mapping. Rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM050X

**EKYM058E IMS PCB LABEL FOR DB2-TO-IMS
PROPAGATION IS MISSING OR
INVALID IN PR=*prid***

Explanation: The identified PR supports reversed mapping (relational to hierarchical), but no IMS PCB label is specified for updates on the DL/I side, and if the PR is coded via DXT, the default PCB label (from the DXTPCB) is not valid for IMS DPROP.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this

PR and begins processing a new PR if one exists.

Programmer response: Specify a valid IMS PCB label, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM050X

**EKYM059E RUNONLY OPTION (DXT) AND
ACTION=ADD ARE NOT COMPATIBLE**

Explanation: PERFORM=RUNONLY and ACTION=ADD were specified for the same PR. These two propagation parameters cannot be used together for the same PR. The RUNONLY option tells MVG to check the *current* PR on the mapping tables; however, specifying ACTION=ADD *adds* a new PR.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Either remove the PERFORM=RUNONLY parameter or specify ACTION=REPL, and rerun the DXT UIM job for this PR.

Module: EKYM050X

**EKYM060E INVALID IMS PCB LABEL FOR
DB2-TO-IMS PROPAGATION IN
PR=*prid*; PCBLABEL=*pcbl***

Explanation: The IMS PCB label specified for reversed propagation (relational to hierarchical) is invalid; it either is not alphanumeric, begins with a numeric character, or is longer than 8 bytes.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Specify a valid IMS PCB label, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM050X

**EKYM061E INVALID MAPPING DIRECTION FOR
ASYNCHRONOUS PROPAGATION;
PR=*prid*, MAPDIR=*mdir***

Explanation: The IMS DPROP environment is an asynchronous environment but the mapping direction of the current PR is not HR only (hierarchical to relational).

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this

PR and begins processing a new PR if one exists.

Programmer response: Specify the correct mapping direction (MAPDIR=HR), and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM050X

EKYM062E WHERE CLAUSE IS NOT SUPPORTED WITH MAPPING CASE 3

Explanation: The PR is a mapping case 3 PR, but it has a WHERE clause specified. Mapping case 3 with a WHERE clause is not supported by IMS DPROP.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Either change the mapping case or remove the WHERE clause and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM050X

EKYM063E PATH=DENORM IS NOT SUPPORTED WITH PRTYPE=E

Explanation: For PRs with PRTYPE=E, only PATH=ID is supported.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Either change the PRTYPE or specify PATH=ID and check the path fields. Rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM050X

EKYM064W PATH=DENORM SPECIFIED FOR ASYNC PROPAGATION. UNPREDICTABLE RESULTS MAY OCCUR DURING PROPAGATION.

Explanation: In asynchronous propagation the IMS updates and DB2 updates are performed at separate times. When a segment and its parents and ancestors are updated concurrently, the IMS Commit order is not always the order in which the DB2 tables should be updated. As a result, PR's with PATH=DENORM being propagated asynchronously may cause unpredictable results.

Severity: Warning.

System action: Processing continues.

Programmer response: Ensure that the segment and its parents and ancestors will not be updated

concurrently. If this is not the case, you should not use PATH=DENORM.

Module: EKYM050X

EKYM070E OCCURS FIELD=*field* WAS NOT FOUND IN THE FIELD DESCRIPTION; PR=*prid*, DBNAME=*dbname*, SEGMENT=*segment*

Explanation: The identified segment is an internal segment and the segment occurrences are specified by an occurs field. This message appears because the occurs field cannot be found in the containing IMS segment.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Either specify a correct occurs field or if the PR is not PRTYPE=E and the number of occurrences is fixed, specify a literal instead of an occurs field. Rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM040X

EKYM071E START FIELD=*field* WAS NOT FOUND IN THE FIELD DESCRIPTION; PR=*prid*, DBNAME=*dbname*, SEGMENT=*segment*

Explanation: The described segment is an internal segment, and the segment start position is specified by a literal + a field. This message appears because the start field cannot be found in the containing IMS segment.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Specify either a correct start field or a literal alone and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM040X

EKYM072E REFERENCED STARTSEG SEGMENT=*segment1* WAS NOT FOUND; PR=*prid*, DBNAME=*dbname*, SEGMENT=*segment2*

Explanation: The entity segment identified in *segment2* is an internal segment, and its start position is specified by a literal and *segment1*, which is another internal segment type (called a STARTSEG segment). This message appears because the STARTSEG segment is not described in the PR.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Either specify the correct STARTSEG segment, or specify the start position differently (a literal and a field, or a literal alone) and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM040X

EKYM073E REFERENCED SEGMENT=*segment1* IS NOT A STARTSEG SEGMENT; PR=*prid*, DBNAME=*dbname*, SEGMENT=*segment2*, ROLE=*role*

Explanation: The entity segment identified in *segment2* is an internal segment, and its start position is specified by a literal and *segment1*, which should be another internal segment type (called a STARTSEG segment). This message appears because the STARTSEG segment is not an internal segment.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Either specify the correct STARTSEG segment, or specify the start position differently (a literal and a field, or a literal alone) and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM040X

EKYM074E NEXT FIELD=*field* WAS NOT FOUND IN THE FIELD DESCRIPTION; PR=*prid*, DBNAME=*dbname*, SEGMENT=*segment*

Explanation: The identified segment is an internal segment, and the beginning of the next segment occurrence is specified by the NEXT keyword. This message appears because the field specified in the NEXT keyword cannot be found in the current internal segment (the entity).

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Specify either the correct field or, if the internal segment has a fixed length, specify the length with BYTES instead of specifying where the next segment occurrence begins (with NEXT). Rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM040X

EKYM075E THE OCCURS FIELD=*field* SPECIFIED IN PR=*prid*, DBNAME=*dbname*, SEGMENT=*segment* IS PROPAGATED

Explanation: The identified segment is an internal segment, and the segment occurrences are specified by an OCCURS field. Additionally, the PR is PRTYPE=E. For PRs with PRTYPE=E, OCCURS fields cannot be propagated.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Do not propagate the OCCURS field, or choose another OCCURS field. Rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM040X

EKYM076E THE LENFIELD=*field* SPECIFIED IN PR=*prid*, DBNAME=*dbname*, SEGMENT=*segment* IS PROPAGATED

Explanation: The identified field has a variable-length format and therefore has a LENFIELD specified. Additionally the PR is PRTYPE=E. For PRs with PRTYPE=E, LENFIELDS cannot be propagated.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Do not propagate the LENFIELD, or choose another LENFIELD.

Rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM040X

EKYM077E A LENFIELD IS SPECIFIED FOR A FIXED LENGTH FIELD; DBNAME=*dbname*, SEGMENT=*segment*, FIELD=*field*

Explanation: The identified field has a fixed-length format, but a LENFIELD is specified. LENFIELDS can only be specified for fields with variable-length format.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Either remove the LENFIELD or change the field format.

Rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM040X

**EKYM100E NONZERO RETURN CODE RECEIVED
FROM 'EKYCIAPR FUNC=NOTE';
RETURN CODE=returncode**

Explanation: After issuing the NOTE function of the control information access (CIA), DPROP received a nonzero return code from this IMS DPROP service function.

Severity: Error.

System action: MVG processing terminates with return code 16. The caller of MVG terminates with the same return code.

Programmer response: Call IBM Software Support for assistance.

Module: EKYM100X

**EKYM101E NONZERO RETURN CODE RECEIVED
FROM THE SQL UPDATE MODULE
GENERATOR; RETURN
CODE=returncode**

Explanation: IMS DPROP invoked the SQL update module generator to generate the SQL update module source code, but the generation processing returned a nonzero return code.

Severity: Error.

System action: Processing of the program terminates with a return code that depends on the failure severity. If the return code is 8, the caller of MVG stops processing this PR and begins processing a new PR if one exists. If the return code is 16, the caller of MVG terminates with return code 16.

Programmer response: Check the other messages issued by the SQL update module generator, correct the error, and rerun the DXT UIM job or the MVGU job.

Module: EKYM100X

**EKYM102E THE ROLLBACK ISSUED AFTER AN
ERROR FAILED; RETURN
CODE=returncode**

Explanation: An error occurred during generation of a PR. After trying to issue a rollback, IMS DPROP received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: MVG processing terminates. The caller of MVG terminates with user abend 1101 or 1105.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and resubmit the DXT UIM job or the MVGU job.

Module: EKYM100X

**EKYM103E NONZERO RETURN CODE RECEIVED
FROM 'EKYCIAPR FUNC=CREATE';
RETURN CODE=returncode**

Explanation: After issuing the CREATE function of the control information access, IMS DPROP received a nonzero return code from this IMS DPROP service function.

Severity: Error.

System action: MVG processing terminates with return code 16. The caller of MVG terminates with the same return code.

Programmer response: Call IBM Software Support for assistance.

Module: EKYM100X

**EKYM104W A FAILURE HAPPENED IN THE
COMMIT OPERATION (NEW
UNIT-OF-WORK)**

Explanation: The commit operation was successful, but IMS DPROP encountered problems while performing internal housekeeping operations. Additional messages are issued on the //MVGPRINT data set.

Severity: Warning.

System action: Processing continues.

Programmer response: For more information about the problem, see the messages on the //MVGPRINT data set.

Module: EKYM100X

**EKYM105E NONZERO RETURN CODE RECEIVED
FROM THE COMMIT OPERATION;
RETURN CODE=returncode**

Explanation: The IMS DPROP commit operation used to commit the updates of the processed PR was not successful.

Severity: Error.

System action: IMS DPROP tries to undo all the updates of this PR by issuing a rollback. MVG processing terminates with return code 16. The caller of MVG terminates with the same return code.

Programmer response: If the rollback is successful, message EKYM106I is issued. In this case, correct the cause of the error and rerun the DXT UIM job or the MVGU job. If the rollback is not successful, the job terminates abnormally with user abend 1101 or 1105.

Module: EKYM100X

**EKYM106I ROLLBACK HAS BEEN PERFORMED;
ALL UPDATES HAVE BEEN UNDONE**

Explanation: The rollback operation was issued after a PR generation error was successful. All the updates on the IMS DPROF directory were undone.

Severity: Information.

System action: This depends on the failure.

Programmer response: See the associated messages issued on //MVGPRINT.

Module: EKYM100X

**EKYM120W TABLE=tablename IS NOT UNIQUE
ACROSS THE PRS IN THE MAPPING
TABLES**

Explanation: A DB2 application table can only be propagated by one PR. The current PR tried to propagate a table that was already propagated. To determine this, IMS DPROF checks that:

- The propagated table in the current PR is fully qualified, and the same fully qualified table was already propagated by a second PR.
- The propagated table in the current PR is fully qualified, and the same table, unqualified, was already propagated by a second PR. In this case, the same table could be propagated by both PRs; it could receive the same table qualifier at bind time.
- The propagated table in the current PR is unqualified, and the same unqualified (or qualified) table is already propagated by a second PR. In this case, the unqualified table in the current PR is potentially the same table of the already existing PR; it could receive the same table qualifier at bind time.

Severity: Error.

System action: Processing of the program terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the PR definition, specify a correct table and/or a qualifier, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM120X

**EKYM121E ERROR WHILE OPENING THE
CURSOR=cursorname**

Explanation: While trying to open a DB2 cursor on a table of the DB2 catalog, IMS DPROF received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: MVG processing terminates with return code 16. The caller of MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the DXT UIM job or the MVGU job.

Module: EKYM120X

**EKYM122E ERROR WHILE CLOSING THE
CURSOR=cursorname**

Explanation: While trying to close a DB2 cursor on a table of the DB2 catalog, IMS DPROF received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: MVG processing terminates with return code 16. The caller of MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the DXT UIM job or the MVGU job.

Module: EKYM120X

**EKYM123E ERROR ACCESSING THE DB2
CATALOG, TABLE=SYSIBM.tablename**

Explanation: While accessing a table of the DB2 catalog to get the characteristics of the table propagated by the current PR, IMS DPROF received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: MVG processing terminates with return code 16. The caller of MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the DXT UIM job or the MVGU job.

Module: EKYM120X

**EKYM124E TABLE=tablename WITH
QUALIFIER=qualifier IS NOT DEFINED
IN THE DB2 CATALOG**

Explanation: The identified propagated table in the current PR does not exist on the DB2 catalog. Further validation of this propagated table cannot be performed. The table qualifier can be:

- The real qualifier given by the DBA when coding the PR, or
- For an unqualified table name, either:
 - The second qualifier used for validation (TABQUAL2), specified by the DBA as a propagation parameter, or

- The user ID given in the DXT UIM job or the MVGU job

Severity: Error.

System action: Processing of the program terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Define your table to DB2 or specify another propagated table in your PR and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM120X

EKYM125E TABLE=*tablename* WITH QUALIFIER=*qualifier* HAS NO PRIMARY KEY OR IS INCOMPLETELY DEFINED IN THE DB2 CATALOG

Explanation: The identified propagated table in the current PR has either no primary key or no primary index defined. The table qualifier can be:

- The real qualifier given by the DBA when coding the PR, or
- For an unqualified table name, either:
 - The second qualifier used for validation (TABQUAL2) specified by the DBA as a propagation parameter, or
 - The user ID given in the DXT UIM job or in the MVGU job

Severity: Error.

System action: Processing of the program terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the definition of the propagated table in the DB2 catalog; provide the missing information, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM120X

EKYM126E TABLE=*tablename* PROPAGATED BY THE USER MAPPING PR=*prid* APPEARS ONCE QUALIFIED AND ANOTHER TIME UNQUALIFIED IN THE DPROP DIRECTORY

Explanation: The identified table appears more than once in the IMS DPROP directory but this table appears at least once unqualified and another time qualified. Because the current PR is subject to DB2-to-IMS propagation, the HUP is called. However, the HUP cannot build its control blocks.

Severity: Error.

System action: Processing of the program terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Either specify a different table name or qualify your table with a different qualifier, and

rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM120X

EKYM127E TABLE=*table* WITH QUALIFIER=*qualifier* HAS SOME BUT NOT ALL IBMSNAP COLUMNS DEFINED

Explanation: The table *table* contains a number of IBMSNAP columns that relate to an asynchronous IMS DPROP system. The MVG cannot determine whether or not this is consistent change data PR.

Severity: Error.

System action: The caller of the MVG terminates processing the PR and begins the processing of a new PR.

Programmer response: Either:

- Redefine the table with all the IBMSNAP columns required to create a CCD PR
- Remove all the IBMSNAP columns from the table definition.

Resubmit the DataRefresher UIM job or the MVGU job for this PR.

Module: EKYM120X

EKYM128E PRTYPE=*pr* IS A PRTYPE=E, BUT PROPAGATION IS TO A NON-CONDENSED CONSISTENT CHANGE DATA TABLE

Explanation: The PR type *pr* is not valid. A PR that propagates to a non-condensed consistent change data table cannot be defined with a PRTYPE=*pr*. The PRTYPE=L is only valid for non-condensed PRs.

Severity: Error.

System action: Processing terminates with return code 8. The caller of the MVG begins processing the next PR.

Programmer response: Correct the PR definition and resubmit the DataRefresher UIM job or the MVGU job for this PR.

Module: EKYM120X

EKYM129E PATH=*denorm* IS SPECIFIED FOR PR=*pr*, BUT PROPAGATION IS TO A NON-CONDENSED CONSISTENT CHANGE DATA TABLE.

Explanation: The path specified *denorm* cannot be specified when propagating to a non-condensed table.

Severity: Error.

System action: Processing terminates with return code 8. The caller of the MVG begins processing the next PR.

Programmer response: Correct the PR definition and resubmit the DataRefresher UIM job, or the MVGU job.

Module: EKYM120X

**EKYM130E MORE THAN ONE ENTITY SEGMENT
OR CONTAINING SEGMENT SPECIFIED
IN PR=*prid***

Explanation: More than one entity segment (ROLE=E) or containing IMS segment (ROLE=C for a mapping case=3 PR) is specified in the PR definition. This error occurs only if the PR is coded on the MVG input tables and if the PR belongs to a generalized mapping case.

Severity: Error.

System action: Processing of the program terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the PR definition on the SEG MVG input table, correct the error, and rerun the MVGU job for this PR.

Module: EKYM130X

**EKYM131E AN EXTENSION SEGMENT IS
SPECIFIED FOR MAPPING CASE 1 OR
3 IN PR=*prid***

Explanation: At least one extension segment is specified in this PR, but this PR belongs to generalized mapping case 1 or 3. If you coded the PR on the MVG input tables, the extension segment is specified with ROLE=X. If the PR is coded using DXT, the extension segment is immediately subordinate to the entity segment.

Severity: Error.

System action: Processing of the program terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the PR definition either on the SEG MVG input table or on the DXTPCB statement of the DXT CREATE DXTPSB command, remove the extension segment or change the mapping case, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM130X

**EKYM132E THE EXTENSION SEGMENT IS NOT
IMMEDIATELY SUBORDINATE TO THE
ENTITY SEGMENT IN PR=*prid*; ENTITY
SEGMENT=*segment1*, EXTENSION
SEGMENT=*segment2***

Explanation: The segment coded on the SEG MVG input table has ROLE=X specified, but this segment is not an immediate dependent of the entity segment (entity segment has ROLE=E). This error occurs only if the PR is coded on the MVG input tables and if the PR

belongs to a generalized mapping case. If the PR is coded using DXT, the extension segment is immediately subordinate to the entity segment.

Severity: Error.

System action: Processing of the program terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the PR definition on the SEG MVG input table, correct the error, and rerun the MVGU job for this PR.

Module: EKYM130X

**EKYM133E NO ENTITY SEGMENT FOUND IN
PR=*prid***

Explanation: There is no entity segment (ROLE=E) specified for this PR on the SEG MVG input table. This error occurs only if the PR is coded on the MVG input tables. If the PR is coded using DXT, this type of error is detected by the Map Capture exit.

Severity: Error.

System action: Processing of the program terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the PR definition on the SEG MVG input table, correct the error, and rerun the MVGU job for this PR.

Module: EKYM130X

**EKYM134E NO EXTENSION SEGMENT SPECIFIED
FOR A MAPPING CASE 2 IN PR=*prid***

Explanation: This PR belongs to generalized mapping case 2, but no extension segment was specified. If you coded the PR on the MVG input table, the extension segment must be specified with ROLE=X. If the PR is coded using DXT, the extension segment is immediately subordinate to the entity segment.

Severity: Error.

System action: Processing of the program terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the PR definition either on the SEG MVG input table or on the DXTPCB statement of the DXT CREATE DXTPSB command, provide the missing information or change the mapping case, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM130X

**EKYM135E INVALID SEGMENT ROLE FOR
SEGMENT=*segment*, IT SHOULD BE A
PARENT SEGMENT**

Explanation: The identified segment has an invalid role specified. The entity segment and the extension segments (if any) are already identified; therefore, this segment should be a parent segment, but ROLE is not P. This error occurs only if the PR is coded on the MVG input table and if the PR belongs to a generalized mapping case. If the PR is coded using DXT, this type of error is detected by the Map Capture exit.

Severity: Error.

System action: Processing of the program terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the PR definition on the SEG MVG input table, specify a correct segment role, and rerun the MVGU job for this PR.

Module: EKYM130X

**EKYM136E SEGMENT=*segment* IS INVALID IN THE
PR**

Explanation: The identified segment has an entry in the DPRCA (internal control block) but is not chained to the other segment entries. This is an internal problem.

Severity: Error.

System action: Processing of the program terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

System programmer response:

- Provide //EKYIN and //EKYTRACE DD statements to activate the IMS DPROP. trace, and specify DEBUG=64 to trace the control blocks.
- Rerun the DXT UIM job or the MVGU job and analyze the IMS DPROP communication area (DSECT=EKYMCMCA) on the //EKYTRACE data set.
- Call IBM Software Support for assistance.

Module: EKYM130X

**EKYM137E SEGMENT=*segment* IN DBD=*dbdname*
IS AN EXTENSION SEGMENT IN A PR
WITH PRTYPE=E AND MAPPING CASE
2 BUT IT HAS A KEY DEFINED**

Explanation: The PR is PRTYPE=E and the identified segment is an extension segment, but it has a key defined in the DBD.

Severity: Error.

System action: Processing of the program terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Remove the key definition in

the DBD or change the PRTYPE of the PR and rerun the job for this PR.

Module: EKYM130X

**EKYM138E NO CONTAINING SEGMENT FOUND IN
A PR WITH MAPPING CASE 3, OR
MAPPING CASE 3 IS NOT
APPROPRIATE IN PR=*prid***

Explanation: The identified PR is a mapping case 3 PR, but there is no containing IMS segment defined in the PR.

Severity: Error.

System action: Processing of the program terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Either provide the description of the containing IMS segment or change the PR definition. Rerun the job for this PR.

Module: EKYM130X

**EKYM139E THE CONTAINING SEGMENT IS AN
INTERNAL SEGMENT: NESTED
INTERNAL SEGMENTS ARE NOT
ALLOWED; PR=*prid*, INTERNAL
SEGMENT=*segment***

Explanation: the entity segment, The PR is mapping case 3 PR; the entity segment, which is an internal segment, has another internal segment as its immediate parent (the containing segment). The containing segment must be an IMS segment.

Severity: Error.

System action: Processing of the program terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Fix your PR definitions and rerun the job for this PR.

Module: EKYM130X

EKYM140E INVALID FUNCTION CODE=*func*

Explanation: The MVG common area (MVA) passed by the caller of module EKYM140X (either EKYM130X or EKYM200X) contains an invalid function code. This is an internal problem.

Severity: Error.

System action: Processing of the program terminates with return code 16. The caller of MVG terminates with the same return code.

System programmer response:

- Provide //EKYIN and //EKYTRACE DD statements to activate the IMS DPROP trace, and specify DEBUG=8 to trace the program entries.

- Rerun the DXT UIM job or the MVGU job and analyze the trace on the //EKYTRACE data set.
- Call IBM Software Support for assistance.

Module: EKYM140X

EKYM141E INVALID FIELD STARTING POSITION OR FIELD BEYOND THE SEGMENT; DBD=dbdname, SEGMENT=segment, FIELD=field

Explanation: Either the starting position of the identified field is greater than the length of the segment containing this field, or the current field extends beyond the segment.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Specify a valid starting position or a valid length for this field, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM140X

EKYM142E A PORTION OF THE INPUT DATA PROPAGATED TO THE DB2 PRIMARY KEY IS PROPAGATED MORE THAN ONCE AND THE PRTYPE IS E; DBD=dbdname, SEG=segment, FIELD=field

Explanation: For PRs with PRTYPE=E, a specific IMS field (piece of IMS data) which is propagated to the DB2 primary key cannot be propagated to another column.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct your PR definition and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM140X

EKYM143E THE TABLE SPECIFIED IN THE FLD DESCRIPTION DOES NOT EXIST ON THE TAB MVG INPUT TABLE; TABLE QUALIFIER=qualifier, TABLE NAME=tablename

Explanation: The propagated table containing the column that is the target of the identified field is not found in the TAB MVG input table. This is an internal error. This type of error appears only if the PR is coded in the MVG input table.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

System programmer response:

- Provide //EKYIN and //EKYTRACE DD statements to activate the IMS DPROP trace, and specify DEBUG=64 to trace the control blocks.
- Rerun the MVGU job and analyze the FLD control blocks (EKYMCMFD) and TAB control blocks (EKYMCMTB) on the //EKYTRACE data set.
- Call IBM Software Support for assistance.

Module: EKYM140X

EKYM144E COLUMN DOES NOT EXIST ON THE DB2 CATALOG OR IS NOT PART OF THIS TABLE; COLUMN=column, TABLE QUALIFIER=qualifier, TABLE NAME=tablename

Explanation: Either the identified column does not exist on the DB2 catalog, or a target column was specified that does not exist in the definition of the propagated table.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Either specify the correct column name or rerun the DB2 CREATE TABLE statement for the propagated table, specifying the missing column. Rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM140X

EKYM145E COLUMN=column MAPPED TO BY AN EXTENSION SEGMENT SHOULD BE NULLABLE OR 'NOT NULL WITH DEFAULT'; TABLE QUALIFIER=qualifier, TABLE NAME=tablename

Explanation: A field of an extension segment maps to the identified column, but the column attribute is NOT NULL (it must be either NULL or NOT NULL WITH DEFAULT).

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Rerun the DB2 CREATE TABLE statement for the propagated table, specify the correct attribute for this column, and rerun the DXT UIM

job or the MVGU job for this PR.

Module: EKYM140X

EKYM146E PRIMARY KEY CANNOT BE MAPPED TO BY AN EXTENSION SEGMENT; COLUMN=column, TABLE QUALIFIER=qualifier, TABLE NAME=tablename

Explanation: The identified column is part of the primary key of the propagated table, but it is mapped to by a field of an extension segment.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the PR definition and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM140X

EKYM147E UNKNOWN COLUMN DATATYPE; COLUMN NAME=column, DATATYPE=dtyp

Explanation: IMS DPROF does not recognize the data type of the identified column. Either this is an internal error, or the IMS DPROF field format table needs to be modified.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the displayed data type and call IBM Software Support for assistance.

Module: EKYM140X

EKYM148E FIELD DATATYPE AND COLUMN DATATYPE ARE NOT COMPATIBLE; DBD=dbdname, SEGMENT=segment, FIELD=field, COLUMN=column

Explanation: The identified field has a data type that is not compatible with the data type of its target column.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: For information on data types, see the *IMS DataPropagator Reference*.

Correct the PR definition, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM140X

EKYM149E FORMAT=EBCDIC HAS BEEN SPECIFIED IN THE DXT SUBMIT COMMAND BUT A FLOATING-POINT FIELD IS FOUND; DBD=dbdname, SEG=segment, FIELD=field

Explanation: If the extract request contains floating-point fields, FORMAT=SOURCE must be specified in the DXT SUBMIT command. This error occurs only if the PR is coded using DXT.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Specify FORMAT=SOURCE on the DXT SUBMIT command and rerun the DXT UIM job for this PR.

Module: EKYM140X

EKYM150E A NOT-NULLABLE COLUMN MUST BE PROPAGATED IF THE MAPPING DIRECTION IS HR OR TW; TABLE QUALIFIER=qualifier, TABLE NAME=tablename, COLUMN=column

Explanation: The identified column from the identified propagated table has the NOT NULL attribute, but it is not propagated by the PR, and the mapping direction is HR (hierarchical to relational) or TW (two-way).

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the PR definition and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM140X

EKYM152E DB2 PRIMARY KEY IS NOT MAPPED ENTIRELY BY THE PR; COLUMN=column, TABLE QUALIFIER=qualifier, TABLE NAME=tablename

Explanation: The identified column belongs to the primary key of the identified propagated table, but it is not mapped to by the PR.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the PR definition and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM140X

EKYM153E FORMAT=SOURCE HAS BEEN SPECIFIED IN THE DXT SUBMIT COMMAND, BUT A NUMERIC FIELD IS MAPPED TO A NUMERIC COLUMN AND THE SCALE FACTORS ARE DIFFERENT; DBD=dbdname, SEG=segment, FIELD=field, COLUMN=column

Explanation: If the extract request contains a numeric field mapped to a numeric column and the scale factors are different, either FORMAT=EBCDIC must be specified in the DXT SUBMIT command, or FORMAT=SOURCE can be specified if a Field exit routine is used for this field.

If the extract request contains a numeric field mapped to a numeric column and the scale factors are different, but the extract request contains floating-point fields, FORMAT=SOURCE must be specified in the DXT SUBMIT command, and a Field exit routine must be used for the numeric field that maps a numeric column with different scales.

This message appears only if the PR was coded with DXT.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Change the extract request according to the above recommendations, and rerun the DXT UIM job for this PR.

Module: EKYM140X

EKYM154W A PORTION OF THE INPUT DATA (NON-KEY DATA) IS PROPAGATED MORE THAN ONCE AND THE PRTYPE IS E; DBD=dbdname, SEG=segment, FIELD=field

Explanation: For PRs with PRTYPE=E, a specific IMS field (piece of IMS data) should not be propagated to more than one column.

Severity: Warning.

System action: Processing continues.

Module: EKYM140X

EKYM155E THE IBMSNAP COLUMN=col MUST BE DEFINED WITH THE X'NOT-NULL' ATTRIBUTE; TABLE=tablename TABLE-QUALIFIER=table_qualifier

Explanation: An IBMSNAP column has been defined in the table *tablename* with an attribute other than X'NOT-NULL' during asynchronous propagation.

Severity: Error.

System action: Validation continues. When validation has completed, processing of the PR terminates with return code 8. The caller of the MVG begins processing the next PR.

Programmer response: Recreate the propagated table specifying the correct attribute for the IBMSNAP column. Resubmit the DataRefresher UIM job or the MVGU job for this PR.

Module: EKYM140X

EKYM156E COLUMN=col IS RESERVED AND CANNOT BE THE TARGET COLUMN FOR AN IMS FIELD; TABLE=tablename TABLE-QUALIFIER=table_qualifier

Explanation: An IBMSNAP column has been specified as the target column during asynchronous propagation. IBMSNAP columns are reserved for internal IMS DPROP use and should not be specified as target columns in the FLD MVG input table or in the DXTPCB statement of the DXTVIEW command.

Severity: Error.

System action: Validation continues. When validation has completed, the processing of this PR terminates with return code 8. The caller of the MVG begins processing a new PR.

Programmer response: Correct the PR definition by specifying a valid target column. Resubmit the DataRefresher UIM job or the MVGU job for this PR.

Module: EKYM140X

EKYM160E A PARENT SEGMENT HAS PATH-DATA SELECTED BUT THERE IS NO PATH PARAMETER SPECIFIED FOR THE PR; DBD=dbdname, SEGMENT=segment

Explanation: A parent of the entity segment has at least one field selected for propagation (a path-data field), but the PATH propagation parameter is not specified for this PR.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: When selecting fields from

parent segments, specify the PATH keyword in the propagation parameter. Rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM160X

EKYM161E THE WHERE CLAUSE CONTAINS DATA FROM AN EXTENSION SEGMENT;
DBD=dbname, SEG=segment,
FIELD=field

Explanation: The where clause cannot contain data from an extension segment.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the PR definitions, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM160X

EKYM162E CASCADE NODATA IS NOT ALLOWED FOR THE CURRENT SEGMENT;
DBD=dbdname, SEG=segment,
FIELD=field

Explanation: The CASCADE NODATA option is specified as an EXIT parameter in the DBD for the identified segment, but this option is not valid in this context because the identified field is a data field that is:

- Selected, and the PR is mapping case 3, or
- Mapped to the DB2 primary key, or
- Part of the WHERE clause.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct either the PR definitions or the exit option for this DBD/segment, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM160X

EKYM163E INVALID SITUATION ENCOUNTERED IN THE SEG CONTROL BLOCKS

Explanation: The segment described in the first internal SEG control block (EKYMCMSE) is not the root segment. This is an internal problem.

Severity: Error.

System action: Processing of the program terminates with return code 16. The caller of MVG terminates with the same return code.

System programmer response:

- Provide //EKYIN and //EKYTRACE DD statements to activate the IMS DPROP trace, and specify DEBUG=64 to trace the control blocks.
- Rerun the MVGU job and analyze the SEG control blocks (EKYMCMSE) on the //EKYTRACE data set.
- Call IBM Software Support for assistance.

Module: EKYM160X

EKYM164E THE FULLY CONCATENATED KEY OF THE ENTITY SEGMENT IS NOT PROPAGATED ENTIRELY TO THE DB2 PRIMARY KEY; DBD=dbdname, SEG=segment

Explanation: For PRs with PRTYPE=E, the fully concatenated key of the entity segment must be entirely propagated to the DB2 primary key of the propagated table.

Severity: Error.

System action: Processing of the PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the PR definition and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM160X

EKYM165W THE ENTITY SEGMENT SHOULD HAVE A UNIQUE FULLY CONCATENATED KEY; DBD=dbdname, SEG=segment

Explanation: The identified segment does not have a unique fully concatenated key.

Severity: Warning.

System action: Processing continues.

Module: EKYM160X

EKYM166W THE FULLY CONCATENATED KEY OF THE ENTITY SEGMENT IS NOT UNIQUE; MAPPING SHOULD BE DONE BY AT LEAST ONE ADDITIONAL ID FIELD; DBD=dbdname, SEG=segment

Explanation: This message is issued only for PR's with the PRTYPE=E. The fully concatenated key of the entity segment should be unique. If this is not the case, you should consider mapping an additional ID field to create a conceptual fully concatenated key. If this is not possible, it is the responsibility of the application program to prevent insertion of segments that would violate the uniqueness rule of the target DB2 primary key. A propagation failure occurs if this rule is not observed. See the appropriate Administrators Guide for your propagation mode for further information on key mapping rules by PR type.

Severity: Warning.

System action: Processing continues

Module: EKYM160X

EKYM167E A FIELD OF THE ENTITY SEGMENT INCLUDED IN THE WHERE CLAUSE IS NOT PROPAGATED; DBD=dbdname, SEG=segment, FIELD=field

Explanation: For PRs with PRTYPE=E, all fields of the entity segment included in the WHERE clause must be propagated.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the PR definition and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM160X

EKYM168E PATH=DENORM IS SPECIFIED BUT A PATH-DATA FIELD IS INCLUDED IN THE WHERE CLAUSE; DBD=dbdname, SEG=segment, FIELD=field

Explanation: The WHERE clause can only include path-data fields if PATH=ID has been specified as a propagation parameter. not PATH=DENORM.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the PR definition and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM160X

EKYM169E MAPPING TO THE DB2 PRIMARY KEY CANNOT BE DONE FROM FIELDS THAT ARE NOT DEFINED IN THE DBD; DBD=dbdname

Explanation: For PRs with PRTYPE=E and mapping case 1 or 2, the mapping to the DB2 primary key can only be done from IMS key fields and from IMS SSA fields.

Severity: Error.

System action: Processing of the PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the PR definition, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM160X

EKYM171W MAPPING TO THE FOREIGN KEY IS NOT DONE EXCLUSIVELY FROM THE LOGICAL CONCATENATED KEY OF THE ENTITY SEGMENT; TABLE MAPPED BY THE ENTITY SEGMENT=qualifier.tablename; TABLE MAPPED BY ITS LOGICAL PARENT=qualifier.tablename

Explanation: For PRs with PRTYPE=L/F, the foreign key of the table propagated by the entity segment should be mapped only from fields belonging to the logical concatenated key of the entity segment.

Severity: Warning.

System action: Processing continues.

Module: EKYM160X

EKYM172W MAPPING TO THE FOREIGN KEY IS NOT DONE EXCLUSIVELY FROM THE ENTIRE LOGICAL CONCATENATED KEY OF THE ENTITY SEGMENT; TABLE MAPPED BY THE ENTITY SEGMENT=qualifier.tablename; TABLE MAPPED BY ITS LOGICAL PARENT=qualifier.tablename

Explanation: For PRs with PRTYPE=E, the foreign key of the table propagated by the entity segment should be mapped by the entire logical concatenated key of the entity segment.

Severity: Warning.

System action: Processing continues.

Module: EKYM160X

EKYM173E A PORTION OF THE IMS KEY IS PROPAGATED MORE THAN ONCE TO THE DB2 PRIMARY KEY; DBD=dbdname, SEG=segment

Explanation: For PRs with PRTYPE=E, a specific IMS field (piece of IMS data) which is propagated to the DB2 primary key cannot be propagated to another column.

Severity: Error.

System action: Processing of the PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the PR definition, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM160X

EKYM174E PATH=ID IS SPECIFIED FOR THE PR BUT AT LEAST ONE PATH-DATA FIELD IS NOT DEFINED IN THE DBD;
DBD=*dbdname*, SEG=*segment*,
FIELD=*field*

Explanation: When PATH=ID is specified, all path data fields must be defined as SSA fields in the IMS DBD.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct either the DBD or the PR definition, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM160X

EKYM175W PATH=DENORM IS SPECIFIED FOR THE PR BUT A PATH-DATA FIELD IS MAPPED TO THE DB2 PRIMARY KEY;
DBD=*dbdname*, SEG=*segment*,
FIELD=*field*

Explanation: When PATH=DENORM is specified, the path-data fields should not be mapped to the DB2 primary key of the propagated table because these fields can change their value.

Severity: Warning.

System action: Processing continues

Module: EKYM160X

EKYM176E PATH=ID IS SPECIFIED FOR A PR WITH PRTYPE=E BUT A PATH-DATA FIELD IS NOT PROPAGATED TO THE DB2 PRIMARY KEY; DBD=*dbdname*,
SEG=*segment*, FIELD=*field*

Explanation: When PATH=ID is specified for a PR with PRTYPE=E, all path-data fields must be propagated to the DB2 primary key of the propagated table.

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the PR definition, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM160X

EKYM177E A NON-KEY FIELD OF THE ENTITY SEGMENT IS MAPPED TO THE DB2 PRIMARY KEY AND THE PR IS MAPPING CASE 2, BUT THE PATH OPTIONS ARE NOT SPECIFIED IN THE DBD; DBD=*dbdname*, SEG=*segment*,
FIELD=*field*

Explanation: For PRs with mapping case 2, if non-key fields of the entity segment are mapped to the DB2 primary key of the propagated table, the two path options must be specified in the DBD (PATH option and CASCADE PATH option).

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Either modify the EXIT specifications in the DBD or change the PR definition and, rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM160X

EKYM178E THE SPECIFIED SEGMENT REQUIRES PATH-DATA FROM AN ANCESTOR SEGMENT AND THEREFORE REQUIRES THE PATH OPTION TO BE SET IN THE DBD; DBD=*dbdname*,
SEG=*segment*

Explanation: This PR has non-key fields propagated from one or several parent segments (path-data); therefore, the two path options must be specified in the DBD (PATH option and CASCADE PATH option).

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Either specify the PATH option as a propagation parameter, or change the PR definition. Rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM160X

EKYM179W FOR RH-ONLY PROPAGATION, EKYRUP00 SHOULD NOT BE DEFINED ON THE EXIT PARAMETER OF THE DBD

Explanation: This PR is provided for relational-to-hierarchical propagation only. EKYRUP00 is not required for RH-only PRs.

Severity: Warning.

System action: Processing continues.

Module: EKYM160X

EKYM180E **SEGMENT=segment IN PR=prid1 IS
ALREADY PROPAGATED BY PR=prid2
WHICH HAS PRTYPE=E**

Explanation: The current PR has PRTYPE=E, but the identified segment is already propagated by a PR with PRTYPE=E and no WHERE clause is provided.

When performing DB2-to-IMS propagation, a specific segment occurrence is potentially mapped-to by more than one table.

Severity: Error.

System action: Processing of the PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Either delete the existing PR, change the PRTYPE of one of them, or provide a WHERE clause for both PRs.

Rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM180X

EKYM181E **SEGMENT=segment IS AN EXTENSION
SEGMENT BUT ONE OF ITS
DEPENDENTS IS PROPAGATED BY
PR=prid WHICH HAS PRTYPE=E**

Explanation: The identified segment is an extension segment but this extension segment has at least one dependent segment that is already propagated by a PR with PRTYPE=E. A propagated extension segment cannot have dependents propagated by PRs with PRTYPE=E.

Severity: Error.

System action: Processing of the PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the situation and, rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM180X

EKYM182E **A PARENT OF THE ENTITY
SEGMENT=segment IS ALREADY
PROPAGATED AS AN EXTENSION
SEGMENT IN PR=prid**

Explanation: The current PR is PRTYPE=E, but one parent of the entity is already propagated as an extension segment (in another PR). A propagated extension segment cannot have dependents propagated by PRs with PRTYPE=E.

Severity: Error.

System action: Processing of the PR terminates with

return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the situation, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM180X

EKYM183E **SEGMENT=segment IN PR=prid1 IS
ALREADY PROPAGATED BY PR=prid2
BUT ONE OF THE PRS HAS NO
WHERE CLAUSE OR THEY HAVE
DIFFERENT MAPPING CASES OR
MAPPING DIRECTIONS**

Explanation: A segment can only be propagated by several PRs with PRTYPE=E if the following are satisfied:

- All PRs have a WHERE clause
- All mapping cases are identical
- All mapping directions are identical.

Severity: Error.

System action: Processing of the PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the situation, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM180X

EKYM184E **MAPPING DIRECTION IS TW OR RH
BUT SEGMENT=segment1 (PARENT OF
SEGMENT=segment2) IS NOT
PROPAGATED OR IS NOT
PROPAGATED IN THE SAME
DIRECTION**

Explanation: If a segment is propagated by a PR with mapping direction of TWIRH, its physical parent and its logical parent, if any, must also be propagated in the same direction.

Severity: Error.

System action: Processing of the PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the PR definition, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM180X

EKYM185W **THE IMS DELETE RULE OF THE
LOGICAL PARENT IS 'LOGICAL' BUT
THE RELATION BETWEEN LP AND LC
IS UNIDIRECTIONAL**

Explanation: This message is issued only for PRs with PRTYPE=E.

Severity: Warning.

System action: Processing continues.

Module: EKYM180X

**EKYM186E ERROR ACCESSING THE PR MAPPING
TABLE FOR PR=*prid***

Explanation: While accessing the PR mapping table to get the identified PR, IMS DPROP received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: MVG processing terminates with return code 16. The caller of MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the DXT UIM job or the MVGU job.

Module: EKYM180X

**EKYM187E ERROR ACCESSING THE SEG
MAPPING TABLE FOR DBD=*dbdname*,
SEG=*segment***

Explanation: While accessing the SEG mapping table for the identified DBD and segment, IMS DPROP received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: MVG processing terminates with return code 16. The caller of MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the DXT UIM job or the MVGU job.

Module: EKYM180X

**EKYM188E INCORRECT DPROP NAME/TOKEN
FOUND ON THE MAPPING TABLES;
NAME=*dprname*, TOKEN=*dprto***

Explanation: While accessing the IMS DPROP directory, the MVG detected that the IMS DPROP directory identifier is incorrect. The DB2 plan used to run the DXT UIM job or the MVGU job may be wrong; for example, one of the DBRMs used in this plan is not the correct one.

Severity: Error.

System action: Processing of the program terminates with return code 16. The caller of MVG terminates with the same return code.

Programmer response: Bind the DB2 plan again,

specifying the correct DBRMs, and resubmit the DXT UIM job or the MVGU job.

Module: EKYM180X

**EKYM189E ERROR ACCESSING THE TAB
MAPPING TABLE FOR PR=*prid***

Explanation: While accessing the TAB mapping table for the identified PR, IMS DPROP received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: MVG processing terminates with return code 16. The caller of MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the DXT UIM job or the MVGU job.

Module: EKYM180X

**EKYM190E ERROR WHILE OPENING THE
CURSOR=*cursorname***

Explanation: While trying to open a DB2 cursor on a mapping table, IMS DPROP received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: MVG processing terminates with return code 16. The caller of MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the DXT UIM job or the MVGU job.

Module: EKYM180X

**EKYM191E ERROR WHILE CLOSING THE
CURSOR=*cursorname***

Explanation: While trying to close a DB2 cursor on a mapping table, IMS DPROP received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: MVG processing terminates with return code 16. The caller of MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the DXT UIM job or the MVGU job.

Module: EKYM180X

EKYM192E ERROR WHILE FETCHING A ROW FROM THE *tablename* MAPPING TABLE WITH CURSOR=*cursorname*

Explanation: While trying to fetch a row from the identified mapping table, MVG received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: MVG processing terminates with return code 16. The caller of MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the DXT UIM job or the MVGU job.

Module: EKYM180X

EKYM193W NO PARENT REFERENTIAL INTEGRITY CONSTRAINTS FOUND FOR THE TABLE MAPPED BY THE ENTITY SEGMENT; TABLE=*qualifier.tablename*

Explanation: The entity segment, propagated by a PR with mapping direction of TWIRH to the identified table, has a physical parent and/or a logical parent that is already propagated, but the identified table has no referential integrity constraints defined on parent table.

Severity: Warning.

System action: Processing continues.

Module: EKYM180X

EKYM194W NO RI CONSTRAINTS FOUND BETWEEN TABLE=*qualifier1.tablename1* MAPPED BY THE ENTITY SEGMENT AND TABLE=*qualifier2.tablename2* MAPPED BY ITS PHYSICAL PARENT IN PR=*prid*

Explanation: For PRs with PRTYPE=E, a RIR should be defined between the table mapped by the entity segment and the table mapped by its physical parent.

Severity: Warning.

System action: Processing continues.

Module: EKYM180X

EKYM195W NO RI CONSTRAINTS FOUND BETWEEN TABLE=*qualifier1.tablename1* MAPPED BY THE ENTITY SEGMENT AND TABLE=*qualifier2.tablename2* MAPPED BY ITS LOGICAL PARENT IN PR=*prid*

Explanation: For PRs with PRTYPE=E, a RIR should be defined between the table mapped by the entity

segment and the table mapped by its logical parent.

Severity: Warning.

System action: Processing continues.

Module: EKYM180X

EKYM196W TOO MANY RI CONSTRAINTS FOUND FOR THE TABLE MAPPED BY THE ENTITY SEGMENT, TABLE=*qualifier.tablename*

Explanation: The table mapped by the entity segment has at least one referential integrity constraint to a parent table that is not the table mapped by the physical nor the table mapped by the logical parent of this entity segment.

Severity: Warning.

System action: Processing continues.

Module: EKYM180X

EKYM197W TABLE=*qualifier.tablename* (A CHILD OF TABLE=*qualifier.tablename* MAPPED BY THE ENTITY SEGMENT) IS NOT PROPAGATED BUT IT HAS A DB2 DELETE RULE OF 'RESTRICT'

Explanation: The table mapped by this entity segment has a child table that is not propagated. This unpropagated child table should have a delete rule of CASCADE or SET NULL.

Severity: Warning.

System action: Processing continues.

Module: EKYM180X

EKYM198E THE ROLLBACK ISSUED AFTER A DEADLOCK FAILED; RETURN CODE=*return code*

Explanation: A deadlock occurred during a lock operation on the IMS DPROP directory. After trying to issue a rollback, IMS DPROP received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: The MVG processing terminates. The caller of the MVG terminates abnormally with user abend 1101 or 1105.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and resubmit the DXT UIM job or the MVGU job.

Module: EKYM180X

EKYM199E ERROR WHILE ISSUING A LOCK ON THE MAPPING TABLES

Explanation: While issuing a LOCK SHARE on the mapping tables, IMS DPROP received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the DXT UIM job or the MVGU job.

Module: EKYM180X

EKYM200E ERROR WHEN OPENING THE DBDLIB

Explanation: The DBD library specified on the //DBDLIB DD statement could not be opened.

Severity: Error.

System action: Processing of the program terminates with return code 16. The caller of the MVG terminates with the same return code.

System programmer response: See the additional system messages issued, and refer to *OS/390 MVS System Messages, Volume 1* for more information.

Module: EKYM200X

EKYM201E DBD=dbdname IS NOT FOUND ON THE DBDLIB

Explanation: The identified DBD does not exist in the DBD library specified on the //DBDLIB DD statement.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR.

Programmer response: Specify the correct DBD library, or modify the PR definition, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM200X

EKYM202E BLDL FAILED FOR DBD=dbdname; ERROR CODE=errcode, REASON CODE=reasoncode

Explanation: When trying to issue a BLDL macro for the identified DBD, IMS DPROP received a nonzero return code.

Severity: Error.

System action: Processing of the program terminates

with return code 16. The caller of the MVG terminates with the same return code.

System programmer response: Look up the error code and reason code in the *MVS/ESA Data Administration: Macro Instruction Reference* to fix this problem.

Module: EKYM200X

EKYM203E LOAD FAILED FOR DBD=dbdname; ERROR CODE=errcode, REASON CODE=reasoncode

Explanation: After successfully issuing the BLDL macro, IMS DPROP received a nonzero return code while trying to load the identified DBD from the DBD library specified on the //DBDLIB DD statement.

Severity: Error.

System action: Processing of the program terminates with return code 16. The caller of the MVG terminates with the same return code.

System programmer response: Look up the error code and reason code in *MVS/ESA Data Administration: Macro Instruction Reference* to fix this problem.

Module: EKYM200X

EKYM204E DBD=dbdname DESCRIBES A LOGICAL DB

Explanation: The identified DBD describes a logical database. This type of database is not supported by IMS DPROP.

Severity: Error.

System action: Processing of the PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR.

Programmer response: Check the PR definition, specify a physical DBD, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM200X

EKYM205E DB ORGANIZATION/ACCESS OF DBD=dbdname IS INVALID OR NOT SUPPORTED BY DPROP; DBORG=dborg1 dborg2 dborg3

Explanation: The organization/access of the identified DBD is either invalid or not supported by IMS DPROP.

Severity: Error.

System action: Processing of the PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR.

Programmer response: Check the PR definition, specify a correct DBD, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM200X

**EKYM206E NO DBD EXTENSION CONTROL
BLOCK FOUND IN THE DATABASE
DESCRIPTION (DBD); DBD=dbdname**

Explanation: There is no DBD extension control block (DBDX) in this database description.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR.

Programmer response: Check the identified DBD in the DBD library specified on the //DBDLIB DD statement, fix the problem, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM200X

**EKYM207E NO SEGMENT EXTENSION CONTROL
BLOCK FOUND IN THE DATA BASE
DESCRIPTION (DBD);
SEGMENT=segment, DBD=dbdname**

Explanation: There is no segment extension block for the identified segment in the identified DBD; for example, there is no exit (hence no IMS DPROP Propagation Exit) specified for this database.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Specify EKYRUP00 as the exit in the affected DBD/segment, redefine the DBD, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM200X

**EKYM208E NO DPROP EXIT (EKYRUP00) FOUND
FOR SEGMENT=segment IN
DBD=dbdname**

Explanation: The IMS DPROP Propagation exit routine (EKYRUP00) is not specified for the identified segment in the identified database description.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Specify EKYRUP00 as an exit in the affected DBD/segment, redefine the DBD, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM200X

**EKYM209E INVALID EXIT OPTION (NOKEY OR
NODATA OR CASCADE NOKEY)
SPECIFIED FOR SEGMENT=segment IN
DBD=dbdname**

Explanation: The exit option specified for EKYRUP00 in the segment extension block of the identified database description is not supported by IMS DPROP. The valid exit options are described in the "Database Description (DBD) Generation" section of *IMS/ESA Utilities Reference: Database Manager*.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Specify the correct exit option in the affected DBD/segment, redefine the DBD, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM200X

**EKYM210E SEGMENT=segment DOES NOT EXIST
IN DBD=dbdname**

Explanation: The identified segment is not described in this DBD.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Redefine the DBD specifying the segment, or check the PR definition and specify an existing segment. Then rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM200X

**EKYM211E SEGMENT=segment IS A VIRTUAL
SEGMENT; DBD=dbdname**

Explanation: The identified segment is a virtual segment and therefore it cannot be propagated by IMS DPROP.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the PR definition, specify a correct segment, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM200X

EKYM212E NO LOGICAL PARENT FOUND FOR THIS LOGICAL CHILD;
SEGMENT=segment, DBD=dbdname

Explanation: There is no logical parent described in the DBD for the identified segment (logical child).

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the DBD definitions to fix the problem, redefine the DBD, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM200X

EKYM213E SEGMENT=segment IN DBD=dbdname IS A SEQUENTIAL DEPENDENT OF A DEDB; SDEPS ARE ONLY ALLOWED FOR USER MAPPING

Explanation: The identified segment is a sequential dependent of a DEDB. This type of segment is not supported by the general mapping logic of IMS DPROP.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the PR definition, specify a correct segment, or change your mapping case to user mapping. Rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM200X

EKYM214E FUNCTION CODE=func IS INVALID

Explanation: The MVG common area (MVA) passed by the caller of module EKYM200X (either EKYM130X, EKYM140X or EKYV110X) contains an unexpected function code. This is an internal error.

Severity: Error.

System action: Processing of the program terminates with return code 16. The caller of the MVG, terminates with the same return code.

System programmer response:

- Provide //EKYIN and //EKYTRACE DD statements to activate the IMS DPROP trace, and specify DEBUG=8 to trace the program entries.
- Rerun the DXT UIM job or the MVGU job and analyze the trace in the //EKYTRACE data set.
- Call IBM Software Support for assistance.

Module: EKYM200X

EKYM215W CAUTION: A LOGICAL CHILD MUST HAVE A DL/I DELETE RULE OF VIRTUAL; CHANGE THE DELETE RULE OF SEGMENT=segment BEFORE ACTIVATING THIS PR

Explanation: Logical children must have a delete rule of VIRTUAL as propagation will otherwise fail. The physical and logical parents and ancestors of a logical child involved in propagation also cannot be propagated until the delete rule is changed to VIRTUAL.

Severity: Warning.

System action: Processing continues.

Programmer response: Change the delete rule of this segment before activating this PR as otherwise, the IMS Data Capture Function issues an error message.

Module: EKYM200X

EKYM216W CAUTION: A LOGICAL PARENT MUST HAVE A DL/I DELETE RULE OF PHYSICAL OR LOGICAL; CHANGE THE DELETE RULE OF SEGMENT=segment BEFORE ACTIVATING THIS PR

Explanation: Logical parents must have a delete rule of PHYSICAL or LOGICAL as propagation will otherwise fail.

Severity: Warning.

System action: Processing continues.

Programmer response: Change the delete rule of this segment before activating this PR, otherwise the IMS Data Capture Function will issue an error message.

Module: EKYM200X

EKYM217W SEGMENT=segment IN DBD=dbdname IS AN EXTENSION SEGMENT; IT SHOULD BE DEFINED WITH 'NOTWIN' IN THE DBD

Explanation: The identified segment is an extension segment in the current PR, but it is not defined with NOTWIN in the DBD. This situation could produce errors during the propagation phase.

Severity: Warning.

System action: Processing continues.

Module: EKYM200X

EKYM218E PAIR OF SEGMENT=segment IS NOT FOUND IN DBD=dbdname

Explanation: The identified segment is a paired logical child. Its pair is not found in the corresponding DBD.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the identified DBD in the DBD library specified on the //DBDLIB DD statement, fix the problem, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM200X

**EKYM219E NO EXIT= FOUND FOR
SEGMENT=*segment* IN DBD=*dbdname*
(ASYNCR ENVIRONMENT)**

Explanation: At least one capture exit must be specified for a segment to be propagated. For an asynchronous PR, the exit can have any name.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the cause of the error and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM200X

**EKYM220E ERROR ACCESSING THE PR MAPPING
TABLE FOR PR=*prid***

Explanation: While accessing the PR mapping table to check if the PR already exists, IMS DPROP. received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code. Reestablish a correct DB2 environment, and rerun the DXT UIM job or the MVGU job.

Module: EKYM220X

**EKYM221E INCORRECT DPROP NAME/TOKEN
FOUND ON THE MAPPING TABLES;
NAME=*dprname*, TOKEN=*dprto***

Explanation: While accessing the IMS DPROP directory, MVG detected that the IMS DPROP directory identifier is wrong. The DB2 plan used to run the DXT UIM job or the MVGU job may be wrong; for example, one of the DBRMs used in this plan is not the correct one.

Severity: Error.

System action: Processing of the program terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: BIND the DB2 plan again, specifying the correct DBRMs, and resubmit the DXT UIM job or the MVGU job.

Module: EKYM220X

**EKYM222E ACTION=ADD IS SPECIFIED BUT
PR=*prid* ALREADY EXISTS**

Explanation: ACTION=ADD was specified as a propagation parameter. but this PR already exists on the mapping tables.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Specify ACTION=REPL in the PR definition if you want to replace an already existing PR (ADD is default if the ACTION parameter is omitted). Rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM220X

**EKYM223E PR=*prid* IS TO BE REPLACED BUT
THIS PR IS STILL ACTIVE**

Explanation: Before modifying or deleting a PR, the PR must be inactive (STATUS=INA in the PR mapping table) or the IMS DPROP system must be emergency stopped. A PR can be activated or inactivated and the IMS DPROP system can be stopped using the SCU. The identified PR, which already exists on the mapping tables, is to be created again, but it is still active.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Run the SCU to inactivate this PR and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM220X

**EKYM224E ERROR DURING THE DELETE OF
PR=*prid* FROM THE MAPPING TABLES**

Explanation: When replacing an existing PR on the mapping table by a new PR with same PR ID, MVG deletes the old PR before inserting the new PR. While trying to delete this PR from the mapping tables, IMS DPROP received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the DXT UIM job or the MVGU job.

Module: EKYM220X

**EKYM225E ERROR WHILE INSERTING A ROW ON THE *tablename* MAPPING TABLE;
KEY=*mtkey***

Explanation: While inserting a row on the identified mapping table, IMS DPROP received an unexpected SQL code from DB2.

Severity: Error. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the DXT UIM job or the MVGU job.

Module: EKYM220X

**EKYM226I *number* ROWS SUCCESSFULLY
INSERTED ON THE *tablename*
MAPPING TABLE**

Explanation: The identified number of rows were successfully inserted on the identified mapping table for the current PR.

Severity: Information.

System action: Processing continues.

Module: EKYM220X

**EKYM227E NONZERO RETURN CODE RECEIVED
FROM 'EKYCIAS^T FUNC=READ';
RETURN CODE=*returncode***

Explanation: After issuing the identified CIA function to read the status file or its corresponding VLF record, IMS DPROP received a nonzero return code from this IMS DPROP service function.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: Call IBM Software Support for assistance.

Module: EKYM220X

**EKYM228E RUNONLY OPTION (DXT) HAS BEEN
SPECIFIED BUT THE PR DOES NOT
EXIST ON THE MAPPING TABLES**

Explanation: PERFORM=RUNONLY was specified as a propagation parameter to store the extract request for a later data extraction by the DXT DEM, if the new PR is the same as the existing PR on the mapping tables. This error occurs if the PR does not exist on the mapping tables.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Specify PERFORM=BUILDRUN (this is the default), and rerun the DXT UIM job to create this PR.

Module: EKYM220X

**EKYM229E YOU MUST DELETE THE PRCT ENTRY
FOR PR=*prid* BEFORE YOU CAN
DELETE THE PR**

Explanation: An RIR rule exists between the PRCT table and the DPRPR table. The PR must be deleted from the PRCT before you can delete it from the DPRPR table.

Severity: Error.

System action: Processing for this PR terminates.

Programmer response: Use the SCU to delete the PR from the PRCT.

Module: EKYM225X

**EKYM230E ERROR WHILE COUNTING THE ROWS
ON THE *tablename* MAPPING TABLE**

Explanation: While accessing the identified mapping table to count the rows, IMS DPROP received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the DXT UIM job or the MVGU job.

Module: EKYM230X

EKYM231E PERFORM=RUNONLY HAS BEEN SPECIFIED BUT THE NEWLY GENERATED PR IS NOT IDENTICAL TO THE ALREADY EXISTING PR

Explanation: PERFORM=RUNONLY was specified as a propagation parameter to store the extract request for a later data extraction by the DXT DEM, if the new PR is the same as the existing PR on the mapping tables. This error occurs if the new PR is not identical to the existing PR on the mapping tables. One of the following messages is issued to show the discrepancy:

- EKYM232E
- EKYM233E
- EKYM234E
- EKYM235E

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG, (for example, the DXT UIM) stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the additional message and correct the error, or specify PERFORM=BUILDRUN (this is the default), and rerun the DXT UIM job to create this PR again.

Module: EKYM230X

EKYM232E A *tablename* CONTROL BLOCK IS DIFFERENT FROM ITS CORRESPONDING *tablename* ROW; KEY=*mtkey*

Explanation: PERFORM=RUNONLY was specified as a propagation parameter to store the extract request for a later data extraction by the DXT DEM, if the new PR is the same as the existing PR on the mapping tables. This error occurs if the involved row is not the same as the row that would be generated for the new PR. This message is issued with message EKYM231E.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the error or specify PERFORM=BUILDRUN (this is the default) and rerun the DXT UIM job to create this PR again.

Module: EKYM230X

EKYM233E THE NUMBER OF *tablename* CONTROL BLOCKS AND THE NUMBER OF *tablename* ROWS ARE DIFFERENT

Explanation: PERFORM=RUNONLY was specified as a propagation parameter to store the extract request for a later data extraction by the DXT DEM, if the new PR is the same as the existing PR on the mapping tables. This error occurs if the number of rows of the identified

mapping table is not the same as the number of rows that would be generated for the new PR. This message is issued with message EKYM231E.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the error or specify PERFORM=BUILDRUN (this is the default) and rerun the DXT UIM job to create this PR again.

Module: EKYM230X

EKYM234E NO ROWS FOUND ON THE *tablename* MAPPING TABLE

Explanation: PERFORM=RUNONLY was specified as a propagation parameter to store the extract request for a later data extraction by the DXT DEM, if the new PR is the same as the existing PR on the mapping tables. This error occurs when counting the rows on the identified mapping table. At least one row should exist for the current PR. This message is issued with message EKYM231E.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the error or specify PERFORM=BUILDRUN (this is the default) and rerun the DXT UIM job to create this PR again.

Module: EKYM230X

EKYM235E THE ROW WITH THE FOLLOWING KEY DOES NOT EXIST ON THE *tablename* MAPPING TABLE; KEY=*mtkey*

Explanation: PERFORM=RUNONLY was specified as a propagation parameter to store the extract request for a later data extraction by the DXT DEM, if the new PR is the same as the existing PR on the mapping tables. This error occurs if the involved row that would be generated for the new PR does not exist on the identified mapping table. This message is issued with message EKYM231E.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the error or specify PERFORM=BUILDRUN (this is the default) and rerun the DXT UIM job to create this again.

Module: EKYM230X

EKYM236I **PERFORM=RUNONLY IS SPECIFIED:
COMPARISON BETWEEN THE OLD
AND THE NEW VERSION OF PR=*prid* IS
SUCCESSFUL; THE EXTRACT
REQUEST CAN BE STORED IN THE
DXT EXTRACT LIBRARY (EXTLIB)**

Explanation: PERFORM=RUNONLY was specified as a propagation parameter to store the extract request for a later data extraction by the DXT DEM, if the new PR is the same as the existing PR on the mapping tables. This message appears when the new PR and the old PR are identical.

Severity: Information.

System action: Processing continues.

Module: EKYM230X

EKYM237E **INCORRECT DPROP NAME/TOKEN
FOUND ON THE MAPPING TABLES;
NAME=*dprname*, TOKEN=*dprto***

Explanation: While accessing the IMS DPROP directory, MVG detected that the IMS DPROP directory identifier is wrong. The DB2 plan used to run the DXT UIM job or the MVGU job may be wrong; for example, one of the DBRMs used in this plan is not the correct one.

Severity: Error.

System action: Processing of the program terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: BIND the DB2 plan again, specifying the correct DBRMs, and resubmit the DXT UIM job or the MVGU job.

Module: EKYM230X

EKYM238E **ERROR WHILE SELECTING A ROW ON
THE *tablename* MAPPING TABLE**

Explanation: While accessing the identified mapping table to retrieve a row, IMS DPROP received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the DXT UIM job or the MVGU job.

Module: EKYM230X

EKYM240E **ERROR WHILE OPENING THE
CURSOR=*cursorname* ACCESSING
SYSIBM.*tablename***

Explanation: While trying to open a DB2 cursor on a table of the DB2 catalog, IMS DPROP received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the DXT UIM job or the MVGU job.

Module: EKYM240X

EKYM241E **ERROR WHILE CLOSING THE
CURSOR=*cursorname* ACCESSING
SYSIBM.*tablename***

Explanation: While trying to close a DB2 cursor on a table of the DB2 catalog, IMS DPROP received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the DXT UIM job or the MVGU job.

Module: EKYM240X

EKYM242E **ERROR ACCESSING THE DB2
CATALOG, TABLE=SYSIBM.*tablename***

Explanation: While accessing a table of the DB2 catalog to check the referential integrity relations of the propagated table, IMS DPROP received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the DXT UIM job or the MVGU job.

Module: EKYM240X

EKYM243W NUMBER OF PARENT RELATIONSHIPS
FOUND=*number1* IS DIFFERENT FROM
THAT SPECIFIED FOR THE TARGET
TABLE OF THE ENTITY
SEGMENT=*number2*;
TABLE=*qualifier.tablename*

Explanation: The number of parent relations found on SYSIBM.SYSRELS for the identified propagated table is different from that contained in the description of this table in SYSIBM.SYSTABLES. Either a new relation was created or an existing one was deleted in the DB2 catalog during the generation of this PR.

Severity: Warning.

System action: Processing continues but referential integrity rules cannot be checked correctly.

Module: EKYM240X

EKYM244W NUMBER OF CHILD RELATIONSHIPS
FOUND=*number1* IS DIFFERENT FROM
THAT SPECIFIED FOR THE TARGET
TABLE OF THE ENTITY
SEGMENT=*number2*;
TABLE=*qualifier.tablename*

Explanation: The number of child relations found on SYSIBM.SYSRELS for the identified propagated table is different from that contained in the description of this table in SYSIBM.SYSTABLES. Either a new relation was created or an existing one was deleted in the DB2 catalog during the generation of this PR.

Severity: Warning.

System action: Processing continues but referential integrity rules cannot be checked correctly.

Module: EKYM240X

EKYM245W INVALID COMBINATION OF LOGICAL
PARENT AND DB2 DELETE RULES;
PRTYPE=*prtype*, TARGET
TABLE=*qualifier.tablename* HAS DB2
DELETE RULE=*drule*; LOGICAL
PARENT=*segment* HAS DL/I DELETE
RULE=*drule*

Explanation: The combination of the delete rule of the logical parent of the entity segment and the delete rule of the propagated table can cause problems.

Severity: Warning.

System action: Processing continues.

Programmer response: Refer to “DB2 Delete Rules for Matching PRs” in the appropriate Administrators Guide for your propagation mode for more information about Referential Integrity constraints checking.

Module: EKYM240X

EKYM246W DELETE RULE OF THE TARGET
TABLE=*qualifier.tablename* (CHILD OF
TABLE=*qualifier.tablename*) IS 'SET
NULL'

Explanation: The delete rule of the propagated table is SET NULL.

Severity: Warning.

System action: Processing continues.

Programmer response: Refer to “DB2 Delete Rules for Matching PRs” in the appropriate Administrators Guide for your propagation mode for more information about Referential Integrity constraints checking.

Module: EKYM240X

EKYM247W COLUMN=*column* (PART OF THE
FOREIGN KEY OF
TABLE=*qualifier.tablename*) IS NOT
FOUND IN THE FLD CONTROL
BLOCKS

Explanation: The PR does not map to the identified column that is part of the foreign key of the propagated table. (The foreign key is not entirely mapped to by the PR.)

Severity: Warning.

System action: Processing continues.

Module: EKYM240X

EKYM248W THE DELETE RULE OF THE TARGET
TABLE *qualifier.tablename* IS
'RESTRICT', BUT THE EXIT OPTION
'NOCASCADE' IS SPECIFIED IN
DBD=*dbdname*, SEG=*segment*

Explanation: If the delete rule of the propagated table is RESTRICT, the exit option specified in the propagating DBD should be CASCADE.

Severity: Warning.

System action: Processing continues.

Module: EKYM240X

EKYM300E NONZERO RETURN CODE RECEIVED
FROM THE DYNALLOP OPERATION
WITH VERB-CODE=*vc*;
RETURN-CODE=*returncode*,
ERROR-CODE=*errcode*,
INFO-CODE=*reasoncode*

Explanation: While performing a DYNALLOP operation on the DBRM library, IMS DPROP received a nonzero return code from this function.

Severity: Error.

System action: Processing of the MVG terminates

with return code 16. The caller of the MVG terminates with the same return code.

System programmer response: Find the description of the DYNALLOC instruction (SVC 99) in the *OS/390 MVS Application Development Guide*.

Module: EKYM300X

EKYM301E PRECOMPILE NOT SUCCESSFUL FOR PR=*prid*; RETURN CODE IS *returncode*

Explanation: The DB2 precompiler called by the MVG to precompile the generated SQL update module terminated with a nonzero return code.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Depending on the return code issued by the DB2 precompiler, look at the DB2 precompiler output, check any additional messages, fix the error, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM300X

EKYM302E ASSEMBLY NOT SUCCESSFUL FOR PR=*prid*; RETURN CODE IS *returncode*

Explanation: The assembler called by the MVG to assemble the generated SQL update module terminated with a nonzero return code.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Depending on the return code issued by the assembler, look at the assembly output, check any additional messages, fix the error, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM300X

EKYM303E LINK NOT SUCCESSFUL FOR PR=*prid*; RETURN CODE IS *returncode*

Explanation: The linkage editor called by the MVG to link edit the generated SQL update module terminated with a nonzero return code.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Depending on the return code issued by the linkage editor, look at the link-edit output, check any additional messages, fix the error,

and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM300X

EKYM304E STACK OF THE BIND SUBCOMMAND NOT SUCCESSFUL FOR PR=*prid*; RETURN CODE IS *returncode*

Explanation: The stack of the BIND subcommand terminated with a nonzero return code.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the return code using TSO/E Guide to Writing a TMP or CP. Check any additional messages, fix the error, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM300X

EKYM305E BIND PACKAGE NOT SUCCESSFUL FOR PR=*prid*; RETURN CODE FROM DSN IS *returncode*

Explanation: A bad return code is returned from DSN while trying to BIND the identified package.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: See the issued DB2 message and the SQL code, fix the error, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM300X

EKYM306E INVALID FUNCTION CODE=*func*

Explanation: The IMS DPROP communication area (DPRCA) passed by the caller of the PALB module contains an invalid function code. This is an IMS DPROP internal error.

Severity: Error.

System action: Processing of the program terminates with return code 16. The caller of the MVG terminates with the same return code.

System programmer response:

- Provide //EKYIN and //EKYTRACE DD statements to activate the IMS DPROP trace, and specify DEBUG=64 to trace the control blocks.
- Rerun the DXT UIM job or the MVGU job and analyze the DPRCA (DSECT=EKYMCMCA) on the //EKYTRACE data set.
- Call IBM Software Support for assistance.

Module: EKYM300X

**EKYM307E FREE PACKAGE NOT SUCCESSFUL
FOR PR=*prid*; RETURN CODE FROM
DSN IS *returncode***

Explanation: A bad return code is returned from DSN while trying to FREE the identified package.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: See the issued DB2 message and the SQL code, fix the error, and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM300X

**EKYM308W FREE PACKAGE NOT PERFORMED
FOR PACKAGE=*package***

Explanation: The identified package to free cannot be found.

Severity: Warning.

System action: Processing continues.

Module: EKYM300X

**EKYM309W THE NAME OF THE DB2 SUBSYSTEM
CANNOT BE RETRIEVED FROM THE
//SYSTSIN DATA SET; THE DEFAULT
DB2 SUBSYSTEM NAME IS USED FOR
THE 'BIND PACKAGE' COMMAND**

Explanation: The //SYSTSIN data set could not be read to get the name of the DB2 subsystem under which the job is running. This DB2 subsystem is used by MVG to perform the DB2 BIND PACKAGE of the generated SQL update module. The default DB2 subsystem, generated at DB2 installation time will be used.

Severity: Warning.

System action: Processing continues.

Module: EKYM300X

**EKYM310W THE BIND PACKAGE FUNCTION IS
NOT SUPPORTED BY THE CURRENT
DB2 RELEASE**

Explanation: Bind options have been provided for the PR, but they will be ignored because the current DB2 release does not yet support the BIND PACKAGE function.

Severity: Warning.

System action: Processing continues.

**EKYM400E INVALID OR NONEXISTENT PRID: *prid*
TABLE: *table***

Explanation: The identified PR passed to the SQL update module generator does not exist in the IMS DPROP directory.

Severity: Error.

System action: Processing for this PR terminates.

Programmer response: Check any additional messages issued for this PR.

Module: EKYM400X

**EKYM401E UNEXPECTED DPRNAME/TOKEN IN
TABLE=*tablename* FOR PRID=*prid*
READ : DPRNAME=*dpr1*
DPRTOKEN=*dprto1* EXPECTED:
DPRNAME=*dpr2* DPRTOKEN=*dprto2***

Explanation: The wrong IMS DPROP directory identifier was specified.

Severity: Error.

System action: Processing for this PR terminates.

Programmer response: Check any additional messages issued for this PR.

Module: EKYM400X

**EKYM402E ROWS MISSING IN DPRSEG TABLE
FOR PRID=*prid***

Explanation: At least one segment row is needed to create a PR.

Severity: Error.

System action: Processing for this PR terminates.

Programmer response: Check any additional messages issued for this PR.

Module: EKYM400X

**EKYM403E UNEXPECTED DPRNAME/TOKEN IN
TABLE=*tablename* FOR PRID=*prid*
DBD=*dbdname* AND seg=*segment*
READ : DPRNAME=*dpr1*
DPRTOKEN=*dprto1*
EXPECTED:DPRNAME=*dpr2*
DPRTOKEN=*dprto2***

Explanation: The wrong IMS DPROP. directory identifier was specified.

Severity: Error.

System action: Processing for this PR terminates.

Programmer response: Check any additional messages issued for this PR.

Module: EKYM400X

EKYM404E SQL ERROR ACCESSING
TABLE=tablename OPERATION=sqlop
PRID=prid

Explanation: A SQL error occurred accessing the identified table.

Severity: Error.

System action: Processing for this PR terminates.

Programmer response: See message EKYZ360E for more information.

Module: EKYM400X

EKYM405E UNEXPECTED DPRNAME/TOKEN IN
TABLE=tablename FOR PRID=prid
DBD=dbdname SEG=segment AND
FLD=field READ :DPRNAME=dpr1
DPRTOKEN=dprto1
EXPECTED:DPRNAME=dpr2
DPRTOKEN=dprto2

Explanation: The wrong IMS DPROP directory identifier was specified.

Severity: Error.

System action: Processing for this PR terminates.

Programmer response: Check any additional messages issued for this PR.

Module: EKYM400X

EKYM406E PRID=prid DBD=dbdname NO FIELDS
FOUND TO BE PROPAGATED IN
DPRFLD TABLE FOR SEG=segment

Explanation: Each entity or extension segment has to contain at least one field selected for propagation in order to create a PR.

Severity: Error.

System action: Processing for this PR terminates.

Programmer response: Check any additional messages issued for this PR.

Module: EKYM400X

EKYM407E INVALID COLTYPE FOUND: PRID=prid,
SEG=segment, COLUMN NAME=column,
DB2 COLTYPE=dtype, DXT
COLTYPE=dtype

Explanation: IMS DPROP found an invalid column type.

Severity: Error.

System action: Processing for this PR terminates.

Programmer response: Check any additional messages issued for this PR.

Module: EKYM401X

EKYM408E INVALID LENGTH FOUND ON
COLTYPE FLOAT: PRID=prid
SEG=segment, DB2 COLTYPE=dtype,
DXT COLTYPE=dtype COLUMN
NAME=column

Explanation: IMS DPROP found an invalid length definition for the DB2 column type (E or D)

Severity: Error.

System action: Processing for this PR terminates.

Programmer response: Check any additional messages issued for this PR.

Module: EKYM401X

EKYM409E INVALID SCALE FOUND: PRID=prid,
SEG=segment, COLUMN NAME=column,
DB2 COLTYPE=dtype, DXT
COLTYPE=dtype

Explanation: IMS DPROP found an invalid scale.

Severity: Error.

System action: Processing for this PR terminates.

Programmer response: Check any additional messages issued for this PR.

Module: EKYM401X

EKYM410E SQL UPDATE MODULES FOR
PRID=prid CANNOT BE GENERATED:
REQUESTED NUMBER OF DB2
COLUMNS TO BE
GENERATED=number1, MAXIMUM
NUMBER OF DB2 COLUMNS
SUPPORTED FOR THIS PR IS number2

Explanation: The SQL update module does not have enough registers to address the SQL statements necessary to propagate the number of columns requested. You must reduce the number of columns being propagated to the maximum number indicated.

Severity: Error.

System action: Processing for this PR terminates.

Programmer response: Check any additional messages issued for this PR.

Module: EKYM401X

EKYM411E //MVGUMOD DD STATEMENT MISSING

Explanation: The //MVGUMOD DD statement is missing.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Provide a DD statement with ddname MVGUMOD and resubmit the job.

Module: EKYM401X

EKYM412E I/O ERROR ON //MVGUMOD DATA SET

Explanation: An I/O error occurred on the //MVGUMOD data set.

Severity: Error.

System action: Processing terminates with return code 16.

Programmer response: Check any messages previously issued by IMS DPROP I/O services, correct the error, and resubmit the job.

Module: EKYM401X

EKYM500E INVALID WHERE CLAUSE; ERROR ENCOUNTERED AT POSITION=*position* IN THE FOLLOWING WHERE CLAUSE PORTION: *where clause*

Explanation: There is a syntax error in the WHERE clause. This message is followed by the WHERE clause portion where the error was encountered. The identified position indicates the relative position of the byte in error from the beginning of the WHERE clause portion.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the cause of the error rerun the DXT UIM or the MVGU job for this PR.

Module: EKYM500X

EKYM501E ALPHANUMERIC LITERAL IS NOT TERMINATED BY A QUOTE; WHERE CLAUSE IS INCOMPLETE

Explanation: A literal in the WHERE clause has not being terminated.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the cause of the error rerun the DXT UIM or the MVGU job for this PR.

Module: EKYM500X

EKYM502E QUOTED NAME IS NOT TERMINATED BY A QUOTATION MARK; WHERE CLAUSE IS INCOMPLETE

Explanation: A quoted field name in the WHERE clause has not being terminated.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the cause of the error rerun the DXT UIM or the MVGU job for this PR.

Module: EKYM500X

EKYM503E INVALID WHERE CLAUSE: SEGMENT=*segment* IS NOT FOUND IN THE SEG CONTROL BLOCKS

Explanation: The identified segment, which is included in the WHERE clause, does not exist in the PR definition.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Define the segment in question, or provide another segment name, and rerun the DXT UIM or the MVGU job for this PR.

Module: EKYM500X

EKYM504E INVALID WHERE CLAUSE: SEGMENT=*segment* IS NOT FOLLOWED BY A FIELD NAME

Explanation: there is a segment The syntax of the WHERE clause is invalid; there is a segment that is not followed by a field name.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Either provide the field name, or remove the segment and replace it by a field name. Rerun the DXT UIM or the MVGU job for this PR.

Module: EKYM500X

EKYM505E INVALID WHERE CLAUSE: FIELD=*field* IS NOT FOUND IN THE FLD CONTROL BLOCKS OR IT BELONGS TO ANOTHER SEGMENT

Explanation: The identified field is not found in the PR definition or, if qualified with a segment name, it is not found under this segment in the PR definition.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Provide a correct field name or remove the segment name which qualifies it, and rerun the DXT UIM or the MVGU job for this PR.

Module: EKYM500X

EKYM506E INVALID GRAPHIC LITERAL IN THE WHERE CLAUSE

Explanation: Either a graphic literal specified in the WHERE clause does not contain a shift-in or a shift-out (or both) character, or the number of bytes is not even.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the cause of the error rerun the DXT UIM or the MVGU job for this PR.

Module: EKYM500X

EKYM507E UNBALANCED PARENTHESES IN THE WHERE CLAUSE

Explanation: The WHERE clause must contain a balanced set of parentheses.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the parentheses, correct the cause of the error and rerun the MVGU job for this PR.

Module: EKYM500X

EKYM508E WHERE CLAUSE IS EMPTY OR INCOMPLETE

Explanation: Either there is an empty WHERE clause provided, or the last element of the WHERE clause is either an operator (arithmetical or Boolean), a left parenthesis, or an operand (but not the second one in a comparison).

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: If the WHERE clause is empty, delete the WHERE row with the empty text in the MVG input tables or provide WHERE text; if the WHERE clause is incomplete, check the WHERE

clause and correct the error. Rerun the MVGU job for this PR.

Module: EKYM500X

EKYM509E FIELD=*field* USED IN THE WHERE CLAUSE IS NOT UNIQUE IN SEGMENT=*segment*

Explanation: The identified field name exists more than once in the identified segment. IMS DPROP cannot identify the correct field to use in the WHERE clause.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Modify the field name in the PR definitions and/or in the WHERE clause, and rerun the MVGU job for this PR.

Module: EKYM500X

EKYM510E DATA TYPE IS NOT FOUND IN THE FIELD FORMAT TABLE (INTERNAL ERROR)

Explanation: This is an internal error.

Severity: Error.

System action: Processing of this PR terminates with return code 8. MVG will rollback all the updates on the IMS DPROP directory. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

System programmer response:

- Provide //EKYIN and //EKYTRACE DD statements to activate the IMS DPROP trace, and specify DEBUG=95 to trace the program entries and the control blocks.
- Rerun the DXT UIM job or the MVGU job and pick up the trace in the //EKYTRACE data set.
- Call IBM Software Support for assistance.

Module: EKYM510X

EKYM511E NO COMPARISON FOUND IN THE WHERE CLAUSE (INTERNAL ERROR)

Explanation: This is an internal error.

Severity: Error.

System action: Processing of this PR terminates with return code 8. MVG will rollback all the updates on the IMS DPROP directory. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

System programmer response:

- Provide //EKYIN and //EKYTRACE DD statements to activate the IMS DPROP trace, and specify DEBUG=95 to trace the program entries and the control blocks.
- Rerun the DXT UIM job or the MVGU job and pick up the trace in the //EKYTRACE data set.
- Call IBM Software Support for assistance.

Module: EKYM510X

EKYM512E THE SECOND OPERAND IS MISSING IN A COMPARISON (INTERNAL ERROR)

Explanation: This is an internal error.

Severity: Error.

System action: Processing of this PR terminates with return code 8. MVG will rollback all the updates on the IMS DPROP directory. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

System programmer response:

- Provide //EKYIN and //EKYTRACE DD statements to activate the IMS DPROP trace, and specify DEBUG=95 to trace the program entries and the control blocks.
- Rerun the DXT UIM job or the MVGU job and pick up the trace in the //EKYTRACE data set.
- Call IBM Software Support for assistance.

Module: EKYM510X

EKYM513E LITERAL SCALES > FIELD SCALES; LITERAL=*literal*, FIELD=*field*

Explanation: In the WHERE clause, there is a comparison between a field and a literal. The number of positions after the decimal point in the literal is greater than that in the field. This situation is not valid for IMS DPROP.

Severity: Error.

System action: Processing of this PR terminates with return code 8. MVG will rollback all the updates on the IMS DPROP directory. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the WHERE clause and correct the error.

Rerun the DXT UIM or the MVGU job for this PR.

Module: EKYM510X

EKYM514E DATA TYPE IS NOT SUPPORTED IN THE WHERE CLAUSE; FIELD=*field*, DATATYPE=*dtyp*

Explanation: The data type of the indicated field is not supported in the WHERE clause. See the appropriate

Administrators Guide for your propagation mode for further information on supported data types.

Severity: Error.

System action: Processing of this PR terminates with return code 8. MVG will rollback all the updates on the IMS DPROP directory. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

System programmer response: None.

Programmer response: None.

Module: EKYM510X

EKYM515E AT LEAST ONE COMPARISON IS MADE BETWEEN TWO LITERALS; OPERAND1=*operand1*, OPERAND2=*operand2*

Explanation: In the WHERE clause, there is a comparison between two literals, which is not valid for IMS DPROP. A comparison can be made between two fields or between one field and one literal.

Severity: Error.

System action: Processing of this PR terminates with return code 8. MVG will rollback all the updates on the IMS DPROP directory. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the WHERE clause and correct the error.

Rerun the DXT UIM or the MVGU job for this PR.

Programmer response: None.

Module: EKYM510X

EKYM516E OPERAND1 AND OPERAND2 CLASSES ARE NOT COMPATIBLE; OPERAND1=*operand1*, OPERAND2=*operand2*

Explanation: The datatype of the first operand is not compatible with the datatype of the second operand.

Severity: Error.

System action: Processing of this PR terminates with return code 8. MVG will rollback all the updates on the IMS DPROP directory. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the WHERE clause and correct the error.

Rerun the DXT UIM or the MVGU job for this PR.

Module: EKYM510X

EKYM517E LITERAL TOO LONG FOR FIELD=field

Explanation: The literal specified in the comparison with the identified field is too long.

Severity: Error.

System action: Processing of this PR terminates with return code 8. MVG will rollback all the updates on the IMS DPROT directory. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Check the WHERE clause and correct the error.

Rerun the DXT UIM or the MVGU job for this PR.

Module: EKYM510X

EKYM518E ERROR CONVERTING A NUMERIC LITERAL TO A ZONED FORMAT; ERROR CODE=errcode, LITERAL=literal

Explanation: An error occurred in the conversion routine while trying to convert the identified numeric literal to a zoned format.

Severity: Error.

System action: Processing of this PR terminates with return code 8. MVG will rollback all the updates on the IMS DPROT directory. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

System programmer response: None.

Programmer response: None.

Module: EKYM510X

EKYM519E LITERAL CONVERSION FAILED; ERROR-CODE=errcode, LITERAL=literal

Explanation: An error occurred in the conversion routine while trying to convert the identified literal to the datatype of the field to which it is being compared.

Severity: Error.

System action: Processing of this PR terminates with return code 8. MVG will rollback all the updates on the IMS DPROT directory. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

System programmer response: None.

Programmer response: None.

Module: EKYM510X

EKYM520E FIELD=field WHICH IS PART OF THE WHERE CLAUSE HAS A DIFFERENT SCALE THAN ITS TARGET COLUMN=column

Explanation: A field included in a WHERE clause must have the same scale as its target column.

Severity: Error.

System action: Processing of this PR terminates with return code 8. MVG will rollback all the updates on the IMS DPROT directory. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the cause of the error rerun the job.

Module: EKYM510X

EKYM600E INVALID DPRCA CONTENT (INTERNAL ERROR)

Explanation: The IMS DPROT communication area (DPRCA) created by the MVGU module EKYV200X has an invalid content. This is an internal IMS DPROT problem.

Severity: Error.

System action: Processing terminates with return code 16. The caller of the MVG terminates with the same return code.

System programmer response:

- Provide //EKYIN and //EKYTRACE DD statements to activate the IMS DPROT trace, and specify DEBUG=64 to trace the control blocks.
- Rerun the MVGU job and analyze the DPRCA (DSECT=EKYMCMCA) on //EKYTRACE output.
- Call IBM Software Support for assistance.

Module: EKYM600X

EKYM601W PR=prid IS NOT FOUND ON THE MAPPING TABLES OR WITHIN THE PRSET

Explanation: The identified PR, which was specified in the MVGU DELETE statement, was either not found on the mapping tables, or, if a PRSET was specified in the MVGU DELETE statement, the PR does not belong to this PRSET.

Severity: Warning.

System action: MVG processing stops. The MVGU starts processing a new PR if one exists.

Programmer response: Check the DELETE statement, specify either a correct PR or another PRSET, or remove the PRSET from the DELETE statement, and rerun the MVGU job for this PR.

Module: EKYM600X

EKYM602E ERROR ACCESSING THE PR MAPPING TABLE FOR PR=*prid*

Explanation: While accessing the PR mapping table to check if the PR to be deleted exists, IMS DPROP received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the MVGU job.

Module: EKYM600X

EKYM603E NONZERO RETURN CODE RECEIVED FROM 'EKYCIAS^T FUNC=READ'; RETURN CODE=*returncode*

Explanation: After issuing the identified CIA function to read the status file or its corresponding VLF record, IMS DPROP received a nonzero return code from this IMS DPROP service function.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: Call IBM Software Support for assistance.

Module: EKYM600X

EKYM604E PR=*prid* IS TO BE DELETED BUT THIS PR IS STILL ACTIVE

Explanation: Before deleting a PR, the PR must be inactive (STATUS=INA in the PR mapping table), or the system must be emergency stopped. A PR can be activated or deactivated with the SCU; the IMS DPROP system can be (emergency) stopped with the SCU, too. The identified PR cannot be deleted because it is still active.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Run the SCU to inactivate this PR; then rerun the MVGU job for this PR.

Module: EKYM600X

EKYM605E NONZERO RETURN CODE RECEIVED FROM THE 'EKYCIAPR FUNC=NOTE'; RETURN CODE=*returncode*

Explanation: After issuing the NOTE function of the CIA, IMS DPROP received a nonzero return code from this IMS DPROP service function.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: Call IBM Software Support for assistance.

Module: EKYM600X

EKYM606E ERROR WHILE DELETING PR=*prid* FROM THE MAPPING TABLES

Explanation: While trying to delete the identified PR from the mapping tables, IMS DPROP received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the MVGU job.

Module: EKYM600X

EKYM607E UNABLE TO DELETE THE DBRM OF THE SQL UPDATE MODULE=*prid* FROM THE DBRM LIBRARY; RETURN CODE=*returncode*

Explanation: While trying to delete the DBRM of the SQL update module from the DBRM library specified on the //DBRMLIB DD statement, MVG received a nonzero return code from the STOW operation.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: Find the return code issued by the STOW macro in the *MVS/ESA Data Administration: Macro Instruction Reference* to fix the problem.

Module: EKYM600X

**EKYM608W THE DBRM OF THE SQL UPDATE
MODULE=*prid* TO DELETE IS NOT
FOUND IN THE DBRM LIBRARY OR
THE DBRMLIB DD STATEMENT IS
MISSING**

Explanation: One of the following may have occurred:

- The DBRM of the identified SQL update module was not found in the DBRM library specified on the //DBRMLIB DD statement (for example, it may have been already deleted), or
- The //DBRMLIB DD statement has an incorrect library specified
- The //DBRMLIB DD statement is missing.

Severity: Warning.

System action: Processing continues.

Module: EKYM600X

**EKYM609E UNABLE TO DELETE THE SQL
UPDATE MODULE=*prid* FROM THE
LOAD LIBRARY; RETURN
CODE=*returncode***

Explanation: While trying to delete the load module of the SQL update module from the load library specified on the //SYSLMOD DD statement, MVG received a nonzero return code from the STOW operation.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: Find the return code issued by the STOW macro in the *MVS/ESA Data Administration: Macro Instruction Reference* to fix the problem.

Module: EKYM600X

**EKYM610W THE SQL UPDATE MODULE=*prid* TO
DELETE IS NOT FOUND IN THE LOAD
LIBRARY OR THE SYSLMOD DD
STATEMENT IS MISSING**

Explanation: One of the following is possible:

- The load module of the identified SQL update module was not found in the load library specified on the //SYSLMOD DD statement (for example, it may have been already deleted), or
- The //SYSLMOD DD statement has an incorrect library specified, or
- The //SYSLMOD DD statement is missing.

Severity: Warning.

System action: Processing continues.

Module: EKYM600X

**EKYM611E THE ROLLBACK ISSUED AFTER AN
ERROR FAILED; RETURN
CODE=*returncode***

Explanation: An error occurred during the delete of a PR. After trying to issue a rollback, IMS DPROP received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: The MVG processing terminates. The caller of the MVG terminates abnormally with user abend 1105.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and resubmit the MVGU job.

Module: EKYM600X

**EKYM612E NONZERO RETURN CODE RECEIVED
FROM THE 'EKYCIAPR
FUNC=CREATE'; RETURN
CODE=*returncode***

Explanation: After issuing the CREATE function of the CIA, IMS DPROP received a nonzero return code from this IMS DPROP service function.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: Call IBM Software Support for assistance.

Module: EKYM600X

**EKYM613W A FAILURE HAPPENED IN THE
COMMIT OPERATION (NEW
UNIT-OF-WORK)**

Explanation: The commit operation was successful, but IMS DPROP encountered problems while performing internal housekeeping operations. Additional messages are issued on the //MVGPRINT data set.

Severity: Warning.

System action: Processing continues.

Programmer response: See the additional messages issued with this one.

Module: EKYM600X

**EKYM614E NONZERO RETURN CODE RECEIVED
FROM THE COMMIT OPERATION;
RETURN CODE=*returncode***

Explanation: The IMS DPROP COMMIT operation used to commit the updates of the current processed PR was not successful.

Severity: Error.

System action: IMS DPROP tries to undo all the updates of this PR by issuing a rollback. Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: If the rollback is performed correctly, message EKYM616I is issued. In this case, correct the cause of the error and rerun the MVGU job. If the rollback is not successful, the job terminates abnormally with user abend 1105.

Module: EKYM600X

**EKYM615I PR=*prid* WAS SUCCESSFULLY
DELETED FROM THE MAPPING
TABLES**

Explanation: The identified PR was successfully deleted from the mapping tables. The load module and the DBRM of the SQL update module, if any, were also deleted.

Severity: Information.

System action: Processing terminates normally for this PR. The MVGU begins processing a new PR if one exists.

Module: EKYM600X

**EKYM616I ROLLBACK HAS BEEN PERFORMED;
ALL UPDATES HAVE BEEN UNDONE**

Explanation: The rollback operation issued after an error in deleting a PR was successful. All the updates on the IMS DPROP directory are undone.

Severity: Information.

System action: This depends on the failure.

Programmer response: Look at the other messages issued on the //MVGPRINT data set.

Module: EKYM600X

**EKYM617E ERROR WHILE OPENING THE
CURSOR=*cursorname* FOR THE SEG
MAPPING TABLE**

Explanation: While trying to open a DB2 cursor on the SEG mapping table, IMS DPROP received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the MVGU job.

Module: EKYM600X

**EKYM618E ERROR WHILE CLOSING THE
CURSOR=*cursorname* FOR THE SEG
MAPPING TABLE**

Explanation: While trying to close a DB2 cursor on the SEG mapping table, IMS DPROP received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the MVGU job.

Module: EKYM600X

**EKYM619E ERROR WHILE FETCHING A ROW FOR
DBD=*dbdname* FROM THE SEG
MAPPING TABLE**

Explanation: While trying to fetch a row from the SEG mapping table for the identified DBD, MVG received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the MVGU job.

Module: EKYM600X

**EKYM620E ERROR WHILE FETCHING A ROW FOR
DBD=*dbdname*, SEG=*segment* FROM
THE SEG MAPPING TABLE**

Explanation: While trying to fetch a row from the SEG mapping table for the identified DBD and segment, MVG received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates

with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the MVGU job.

Module: EKYM600X

**EKYM621E INCORRECT DPROP NAME/TOKEN
FOUND ON THE MAPPING TABLES;
NAME=*dprname*, TOKEN=*dprto***

Explanation: While accessing the IMS DPROP directory, MVG detected that the IMS DPROP directory identifier is wrong. The DB2 plan used to run the MVGU job may be wrong; for example, one of the DBRMs used in this plan is not the correct one.

Severity: Error.

System action: Processing of the program terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: BIND your DB2 plan again, specifying the correct DBRMs, and resubmit the MVGU job.

Module: EKYM600X

**EKYM622W NO PRS FOUND MATCHING THE
DELETE CONDITION; NOTHING
DELETED**

Explanation: There are no PRs in the mapping tables that match the condition specified in the MVGU DELETE statement.

Severity: Warning.

System action: Processing terminates for this MVGU DELETE statement. MVGU begins processing a new MVGU statement, if any exists on the //MVGUIN data set.

Module: EKYM600X

**EKYM623E AN INTERNAL SEGMENT IS SPECIFIED
ON THE 'DELETE SEG' STATEMENT;
SEG=*segment***

Explanation: MVG detected that the segment specified on the DELETE statement is an internal segment. IMS DPROP SEG control statements can only specify IMS segments, not internal segments. If you want to delete a specific internal segment, provide a DELETE PR= in your MVGU control statements.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct this statement, check

the other statements, if any, and rerun the job.

Module: EKYM600X

**EKYM624E PR=*prid* CAN NOT BE DELETED UNTIL
THE CORRESPONDING ROW IS
DELETED FROM THE PRCT.**

Explanation: An RIR rule exists between the PRCT table and the DPRPR table. The PR must be deleted from the PRCT before you can delete it from the DPRPR table.

Severity: Error.

System action: Processing of the MVG terminates.

Programmer response: Use the SCU to delete the PR from the PRCT.

Module: EKYM600X

**EKYM700E INVALID DPRCA CONTENT (INTERNAL
ERROR)**

Explanation: The content of the IMS DPROP communication area (DPRCA) created by the MVGU module EKYV300X is invalid. This is an IMS DPROP internal problem.

Severity: Error.

System action: Processing of the program terminates with return code 16. The caller of the MVG terminates with the same return code.

System programmer response:

- Provide //EKYIN and //EKYTRACE DD statements to activate the IMS DPROP trace, and specify DEBUG=64 to trace the control blocks. Rerun the MVGU job and analyze the DPRCA (DSECT=EKYMCMCA) on the //EKYTRACE data set.
- Call IBM Software Support for assistance.

Module: EKYM700X

**EKYM701W PR=*prid* IS NOT FOUND ON THE
MAPPING TABLES**

Explanation: The identified PR, which is specified in the MVGU RECREATE statement, was not found on the mapping tables.

Severity: Warning.

System action: MVG processing stops. The MVGU begins processing a new PR if one exists.

Programmer response: Check the RECREATE statement, specify a correct PR, and rerun the MVGU job for this PR.

Module: EKYM700X

EKYM702E ERROR ACCESSING THE PR MAPPING TABLE FOR PR=*prid*

Explanation: While accessing the PR mapping table to check if the PR to be recreated exists, IMS DPROF received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the MVGU job.

Module: EKYM700X

EKYM703E NONZERO RETURN CODE RECEIVED FROM 'EKYCIAS FUNC=READ'; RETURN CODE=*returncode*

Explanation: After issuing the identified CIA function to read the status file or its corresponding VLF record, IMS DPROF received a nonzero return code from this IMS DPROF service function.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: Call IBM Software Support for assistance.

Module: EKYM700X

EKYM704E PR=*prid* IS TO BE RECREATED BUT THIS PR IS STILL ACTIVE

Explanation: Before a PR can be modified, it must be inactive (STATUS=INA in the PR mapping table), or the system must be emergency stopped. A PR can be activated/inactivated with the SCU; the IMS DPROF system can be (emergency) stopped with the SCU, too. The identified PR cannot be recreated because it is still active.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Run the SCU to inactivate this PR; then rerun the MVGU job for this PR.

Module: EKYM700X

EKYM705E NONZERO RETURN CODE RECEIVED FROM 'EKYCIAPR FUNC=NOTE'; RETURN CODE=*returncode*

Explanation: After issuing the NOTE function of the CIA, IMS DPROF received a nonzero return code from this IMS DPROF service function.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: Call IBM Software Support for assistance.

Module: EKYM700X

EKYM706E ERROR WHILE DELETING FROM THE CONTROL BLOCK TABLE

Explanation: During processing to recreate all the PRs from the mapping tables or all the PRs that are propagating a specific DBD or segment, MVG first deletes the corresponding information from the IMS DPROF control block table (DPRCBT). While processing this delete, IMS DPROF received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the MVGU job.

Module: EKYM700X

EKYM707E NONZERO RETURN CODE RECEIVED FROM THE SQL UPDATE MODULE GENERATOR; RETURN CODE=*returncode*

Explanation: IMS DPROF invoked the SQL update module generator to regenerate the SQL update module source code for this PR, but the generation processing failed.

Severity: Error.

System action: Processing of the program terminates with a return code that depends on the failure severity. If the return code is 8, the caller of the MVG stops processing this PR and begins processing a new PR if one exists. If the return code is 16, the caller of the MVG terminates with return code 16.

Programmer response: See the other messages issued by the SQL update module generator, correct the error, and rerun the MVGU job.

Module: EKYM700X

**EKYM708I SUCCESSFUL RECREATE OF THE
PRCB FOR PR=*prid***

Explanation: The PRCB of the identified PR was successfully recreated.

Severity: Information.

System action: Processing continues.

Module: EKYM700X

EKYM709I SUCCESSFUL RECREATE OPERATION

Explanation: The RECREATE function was successfully processed.

Severity: Information.

System action: Processing continues.

Module: EKYM700X

**EKYM711E THE ROLLBACK ISSUED AFTER AN
ERROR FAILED; RETURN
CODE=*returncode***

Explanation: An error occurred during the recreate of a PR. After trying to issue a rollback, IMS DPROP received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates. The caller of the MVG terminates abnormally with user abend 1105.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and resubmit the MVGU job.

Module: EKYM700X

**EKYM712E NONZERO RETURN CODE RECEIVED
FROM 'EKYCIAPR FUNC=CREATE';
RETURN CODE=*returncode***

Explanation: After issuing the CREATE function of the CIA, IMS DPROP received a nonzero return code from this IMS DPROP service function.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: Call IBM Software Support for assistance.

Module: EKYM700X

**EKYM713W A FAILURE HAPPENED IN THE
COMMIT OPERATION (NEW
UNIT-OF-WORK)**

Explanation: The commit operation was successful, but IMS DPROP encountered problems while performing internal housekeeping operations. Additional messages are issued on the //MVGPRINT data set.

Severity: Warning.

System action: Processing continues.

Programmer response: Look at the other messages.

Module: EKYM700X

**EKYM714E NONZERO RETURN CODE RECEIVED
FROM THE COMMIT OPERATION;
RETURN CODE=*returncode***

Explanation: The IMS DPROP commit operation used to commit the updates of the currently processed PR was not successful.

Severity: Error.

System action: IMS DPROP tries to undo all the updates of this PR by issuing a rollback. Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: If the rollback is performed correctly, message EKYM716I is issued. In this case, correct the cause of the error and rerun the MVGU job. If the rollback was not successful, the job terminates abnormally with user abend 1105.

Module: EKYM700X

**EKYM715I SUCCESSFUL RECREATE OF THE SQL
UPDATE MODULE *prid***

Explanation: The SQL update module of the identified PR was successfully recreated. Its DBRM and load module were generated in the libraries specified respectively by //DBRMLIB and //SYSLMOD DD statements.

Severity: Information.

System action: Processing continues.

Module: EKYM700X

**EKYM716I ROLLBACK HAS BEEN PERFORMED;
ALL UPDATES ON THE DPROP
DIRECTORY FOR THIS RECREATE
STATEMENT HAVE BEEN UNDONE**

Explanation: The rollback operation issued after an error during the recreate of a PR was successful. All the updates on the IMS DPROP directory are undone.

Severity: Information.

System action: This depends on the failure.

Programmer response: Consult the other messages on the //MVGPRINT data set.

Module: EKYM700X

**EKYM717E ERROR WHILE OPENING THE
CURSOR=*cursorname* FOR THE SEG
MAPPING TABLE**

Explanation: While trying to open a DB2 cursor on the SEG mapping table, IMS DPROP received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the MVGU job.

Module: EKYM700X

**EKYM718E ERROR WHILE CLOSING THE
CURSOR=*cursorname* FOR THE SEG
MAPPING TABLE**

Explanation: While trying to close a DB2 cursor on the SEG mapping table, IMS DPROP received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the MVGU job.

Module: EKYM700X

**EKYM719E ERROR WHILE FETCHING A ROW FOR
DBD=*dbdname* FROM THE SEG
MAPPING TABLE**

Explanation: While trying to fetch a row from the SEG mapping table for the identified DBD, MVG received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the MVGU job.

Module: EKYM700X

**EKYM720E ERROR WHILE FETCHING A ROW FOR
DBD=*dbdname*, SEG=*segment* FROM
THE SEG MAPPING TABLE**

Explanation: While trying to fetch a row from the SEG mapping table for the identified DBD and segment, MVG received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and rerun the MVGU job.

Module: EKYM700X

**EKYM721E INCORRECT DPROP NAME/TOKEN
FOUND ON THE MAPPING TABLES;
NAME=*dprname*, TOKEN=*dprto***

Explanation: While accessing the IMS DPROP directory, MVG detected that the IMS DPROP directory identifier is wrong. The DB2 plan used to run the MVGU job may be wrong; for example, one of the DBRMs used in this plan is not the correct one.

Severity: Error.

System action: Processing of the program terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: Bind the DB2 plan again, specifying the correct DBRMs, and resubmit the MVGU job.

Module: EKYM700X

**EKYM722W NO PRS FOUND MATCHING THE
RECREATE CONDITION; NOTHING
RECREATED**

Explanation: There are no PRs on the mapping tables that match the condition specified in the MVGU RECREATE statement.

Severity: Warning.

System action: Processing terminates for this MVGU RECREATE statement. The MVGU begins processing a new MVGU statement, if any exists on the //MVGUIN data set.

Module: EKYM700X

**EKYM723E AN INTERNAL SEGMENT IS SPECIFIED
ON THE 'RECREATE SEG'
STATEMENT; SEG=segment**

Explanation: MVG detected that the segment specified on the RECREATE statement is an internal segment. IMS DPROF SEG control statements can only specify IMS segments, not internal segments. If you want to recreate a specific internal segment, provide a RECREATE PR= in your MVGU control statements.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct this statement, check the other statements, if any, and rerun the job.

Module: EKYM700X

**EKYM724E ERROR WHILE UPDATING THE PR
MAPPING TABLE FOR PR=prid**

Explanation: Because BIND=DEFAULT was specified in the RECREATE statement and no explicit BIND options exist in the PR mapping table, MVG tried to update the PR mapping table with the default BIND options. While trying to perform this SQL update, MVG received an unexpected SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVG terminates with return code 16. The caller of the MVG terminates with the same return code.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, correct the DB2 environment, and rerun the MVGU job.

Module: EKYM700X

**EKYM725W AT LEAST ONE PACKAGE BIND
FAILED WHEN USING THE DEFAULT
BIND OPTIONS (BIND=DEFAULT WAS
SPECIFIED)**

Explanation: BIND=DEFAULT was specified in the RECREATE statement and for at least one PR, MVG uses the BIND options from the default data set. This message appears at the end of the RECREATE processing, if at least one BIND PACKAGE using the default BIND options could not be performed.

Severity: Warning.

System action: Processing of the program is normally ended.

Programmer response: Look at previously issued messages to determine which modules could not be bound into BIND PACKAGES.

Module: EKYM700X

**EKYM800W PR=prid DOES NOT EXIST ON THE
MAPPING TABLES**

Explanation: The identified PR, which is specified on the MVGU REVALIDATE statement, was not found on the mapping tables.

Severity: Warning.

System action: MVG processing stops. The MVGU begins processing a new PR if any is specified on the REVALIDATE statement, or it begins to process a new MVGU control statement.

Programmer response: Check the REVALIDATE statement, specify a correct PR, and rerun the MVGU job for this PR.

Module: EKYM800X

**EKYM801I REVALIDATION RESTARTED AFTER A
DEADLOCK**

Explanation: A deadlock occurred during an SQL call. After issuing a rollback, EKYM800X restarted processing.

Severity: Information.

System action: Processing of the current PR restarts.

Module: EKYM800X

**EKYM802W NO PR FOUND ON THE MAPPING
TABLES FOR THE SELECT
CONDITIONS: DBD=dbdname,
SEG=segment**

Explanation: There are no PRs on the mapping tables that match the condition specified on the MVGU REVALIDATE statement.

Severity: Warning.

System action: Processing terminates for this segment. The MVGU begins processing a new segment, if any is specified on the REVALIDATE statement, or it begins processing a new MVGU statement, if any exists on the //MVGUIN data set.

Module: EKYM800X

**EKYM803E SEG ROW HAS NO CORRESPONDING
PR ROW; PR=prid, SEG=segment**

Explanation: The REVALIDATE statement specifies a DBD and segment. The segment row was found on the SEG mapping table, but its corresponding row on the PR mapping table was not found.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The MVGU stops processing this PR and

begins processing a new PR if one exists.

Programmer response: Check your PR definition on the IMS DPROP directory, correct the situation, and eventually replace the PR with a CREATE statement or rerun this job.

Module: EKYM800X

EKYM804E AN INTERNAL SEGMENT IS SPECIFIED ON THE 'REVALIDATE SEG' STATEMENT; SEG=segment

Explanation: MVG detected that the segment specified on the REVALIDATE statement is an internal segment. IMS DPROP SEG control statements can only specify IMS segments, not internal segments. If you want to revalidate a specific internal segment, provide a REVALIDATE PR= on your MVGU control statements.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The MVGU stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct this statement, check the other statements, if any, and rerun the job.

Module: EKYM800X

EKYM805W NO PR FOUND ON THE MAPPING TABLES

Explanation: ALL or DBD was specified on the MVGU REVALIDATE statement, but there is no PR on the mapping tables.

Severity: Warning.

System action: Processing terminates for this MVGU statement. The MVGU begins processing a new MVGU statement if any exists on the //MVGUIN data set.

Module: EKYM800X

EKYM806W NO PR FOUND ON THE MAPPING TABLES FOR THE SELECT CONDITION: DBD=dbdname

Explanation: There are no PRs on the mapping tables that match the condition specified on the MVGU REVALIDATE statement.

Severity: Warning.

System action: Processing terminates for this DBD. The MVGU begins processing a new DBD, if any is specified on the REVALIDATE statement or it begins processing a new MVGU statement, if any exists on the //MVGUIN data set.

Module: EKYM800X

EKYM807I REVALIDATION OF PR=prid STARTED

Explanation: The revalidation processing of the identified PR started.

Severity: Information.

System action: Processing continues.

Module: EKYM800X

EKYM808I REVALIDATION OF PR=prid SUCCESSFUL

Explanation: The REVALIDATE function for the identified PR was successfully performed.

Severity: Information.

System action: Processing continues.

Programmer response: Look at further messages for the validity of the PR.

Module: EKYM800X

EKYM809E REVALIDATION OF PR=prid NOT SUCCESSFUL

Explanation: The REVALIDATE function for the identified PR terminates with errors.

Severity: Information.

System action: Processing terminates with a return code greater than 8.

Programmer response: Look at previous issued messages to perform the appropriate actions.

Module: EKYM800X

EKYM810E THE ROLLBACK ISSUED AFTER A DEADLOCK FAILED; RETURN CODE=returncode

Explanation: A deadlock occurred during an SQL call on the IMS DPROP directory. After trying to issue a rollback, IMS DPROP received an unexpected SQL code from DB2.

Severity: Error.

System action: The MVG processing terminates. The MVGU terminates abnormally with user abend 1105.

Programmer response: Correct the DB2 environment, and resubmit the MVGU job.

Module: EKYM800X

EKYM811E PR=prid RETRIEVED A SECOND TIME IS NO LONGER FOUND ON THE PR MAPPING TABLE

Explanation: The identified PR was already retrieved from the PR mapping table to create an internal array. When another attempt is made to get it from the PR

mapping table, the PR was no longer found.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: Check your IMS DPROP directory, correct the situation, and eventually replace the PR with a CREATE statement or rerun this job.

Module: EKYM800X

EKYM815E NO SEG ROWS FOUND ON THE MAPPING TABLES FOR PR=*prid*

Explanation: The identified PR was found on the PR mapping table, but it has no corresponding row on the SEG mapping table.

Severity: Error.

System action: Processing is terminated for this PR. The MVGU begins processing a new PR if any is specified, or a new MVGU statement, if any exist on the //MVGUIN data set.

Programmer response: Check your PR on the IMS DPROP directory and correct the situation.

Module: EKYM810X

EKYM816E NO TAB ROWS FOUND ON THE MAPPING TABLES FOR PR=*prid*

Explanation: The identified PR was found on the PR mapping table, but it has no corresponding row on the TAB mapping table.

Severity: Error.

System action: Processing is terminated for this PR. The MVGU begins processing a new PR if any is specified or a new MVGU statement, if any exist on the //MVGUIN data set.

Programmer response: Check your PR on the IMS DPROP directory and correct the situation.

Module: EKYM810X

EKYM820E ERROR WHILE ISSUING A LOCK ON THE MAPPING TABLES

Explanation: While issuing a LOCK SHARE on the mapping tables, IMS DPROP received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, correct the DB2 environment, and resubmit the job.

Module: EKYM820X

EKYM821E THE ROLLBACK ISSUED AFTER A DEADLOCK FAILED; RETURN CODE=*returncode*

Explanation: A deadlock occurred during an SQL call. After trying to issue a rollback, IMS DPROP received an unexpected SQL code from DB2.

Severity: Error.

System action: The MVG processing terminates. The MVGU terminates abnormally with user abend 1105.

Programmer response: Correct the DB2 environment, and resubmit the MVGU job.

Module: EKYM820X

EKYM822E ERROR WHILE SELECTING A ROW FOR PR=*prid* FROM THE PR MAPPING TABLE

Explanation: While accessing the PR mapping table to retrieve a PR, IMS DPROP received a nonzero SQL return code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, correct the DB2 environment, and resubmit the job.

Module: EKYM820X

EKYM823E ERROR WHILE DELETING THE OLD ROWS FOR PR=*prid* FROM THE MSG MAPPING TABLE

Explanation: While trying to delete the old rows from the MSG mapping table, IMS DPROP received a nonzero SQL return code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, correct the DB2 environment, and resubmit the job.

Module: EKYM820X

EKYM824E ERROR WHILE INSERTING A ROW ON THE MSG MAPPING TABLE FOR PR=*prid*

Explanation: While trying to insert a row on the MSG mapping table, IMS DPROF received a nonzero SQL return code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, correct the DB2 environment, and resubmit the job.

Module: EKYM820X

EKYM825E ERROR WHILE UPDATING THE PR MAPPING TABLE FOR PR=*prid*

Explanation: While trying to update the PR mapping table row for the identified PR, IMS DPROF received a nonzero SQL return code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, correct the DB2 environment, and resubmit the job.

Module: EKYM820X

EKYM826E INVALID FUNCTION CODE=*func*

Explanation: The function code passed by the caller (EKYM800X or EKYM810X) is invalid. This is an internal error.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

System programmer response: Call IBM Software Support for assistance.

Module: EKYM820X

EKYM827E ERROR WHILE COUNTING ROWS FOR PR=*prid* ON THE *tablename* MAPPING TABLE

Explanation: While trying to count the rows on the identified mapping table for the specified PR, IMS DPROF received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, correct the DB2 environment, and resubmit the job.

Module: EKYM820X

EKYM828E ERROR WHILE OPENING THE CURSOR=*cursorname* FOR THE *tablename* MAPPING TABLE

Explanation: While trying to open a DB2 cursor on the identified mapping table, IMS DPROF received a nonzero SQL return code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, correct the DB2 environment, and resubmit the job.

Module: EKYM820X

EKYM829E ERROR WHILE CLOSING THE CURSOR=*cursorname* FOR THE *tablename* MAPPING TABLE

Explanation: While trying to close a DB2 cursor on the identified mapping table, IMS DPROF received a nonzero SQL return code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, correct the DB2 environment, and resubmit the job.

Module: EKYM820X

EKYM830E ERROR WHILE FETCHING A ROW FOR PR=*prid* FROM THE *tablename* MAPPING TABLE

Explanation: While trying to fetch a row from the identified mapping table for the specified PR, IMS DPROF received a nonzero SQL return code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for

the DB2 error message and the SQL code, correct the DB2 environment, and resubmit the job.

Module: EKYM820X

EKYM831E THE ROLLBACK ISSUED AFTER AN ERROR FAILED; RETURN CODE=returncode

Explanation: An error occurred during the revalidation of a PR. After trying to issue a rollback, IMS DPROP received a nonzero SQL code from DB2.

Severity: Error.

System action: MVG processing terminates. The MVGU terminates with user abend 1105.

Programmer response: Correct the DB2 environment, and resubmit the MVGU job.

Module: EKYM820X

EKYM832E ERROR WHILE FETCHING A ROW FOR DBD=dbdname, SEG=segment FROM THE SEG MAPPING TABLE

Explanation: While trying to fetch a row from the identified mapping table for the specified DBD and segment, IMS DPROP received a nonzero SQL return code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, correct the DB2 environment, and resubmit the job.

Module: EKYM820X

EKYM833E NONZERO RETURN CODE RECEIVED FROM THE COMMIT OPERATION; RETURN CODE=returncode

Explanation: The IMS DPROP commit operation used to commit the updates of the PR and MSG mapping tables for the processed PR was not successful.

Severity: Error.

System action: IMS DPROP tries to undo all the updates of this PR by issuing a rollback. MVG processing terminates with return code 16. The MVGU terminates with the same return code.

Programmer response: If the rollback is successful, message EKYM835I is issued. In this case, correct the cause of the error and rerun the MVGU job. If the ROLLBACK is not successful, the MVGU job terminates abnormally with user abend 1105.

Module: EKYM820X

EKYM834E THE ROLLBACK ISSUED AFTER THE INVALID COMMIT FAILED; RETURN CODE=returncode

Explanation: An error occurred during the commit operation. After trying to issue a rollback, IMS DPROP received a nonzero SQL code from DB2.

Severity: Error.

System action: MVG processing terminates. The MVGU terminates with user abend 1105.

Programmer response: Correct the DB2 environment, and resubmit the MVGU job.

Module: EKYM820X

EKYM835I ROLLBACK HAS BEEN PERFORMED; PR TABLE AND MSG TABLE REMAIN UNCHANGED

Explanation: ROLLBACK has been performed successfully. See the message EKYM833E for information on why the ROLLBACK was necessary.

Severity: Information.

System action: Processing continues.

System programmer response: None

Programmer response: None.

Module: EKYM820X

EKYM836I number WARNINGS/ERRORS ISSUED DURING REVALIDATION OF PR=prid

Explanation: This counter shows the number of warning and/or error messages that were issued during the revalidation of the PR.

Severity: Information.

System action: Processing continues.

Programmer response: Check the warning or error messages issued during this revalidation, and if necessary, correct your PR and perform a PR creation again.

Module: EKYM820X

EKYM837I number ROWS SUCCESSFULLY INSERTED ON THE MSG MAPPING TABLE

Explanation: This counter indicates the number of warning and/or error messages that were inserted on the MSG mapping table during the revalidation of the PR.

Severity: Information.

System action: Processing continues.

Module: EKYM820X

EKYM838I NO WARNING/ERROR FOUND DURING THE REVALIDATION OF PR=*prid*

Explanation: Neither error nor warning messages were issued during the revalidation of the PR.

Severity: Information.

System action: Processing continues.

Module: EKYM820X

EKYM920E MAPCASE=2 IS SPECIFIED FOR PR=*prtype*, BUT PROPAGATION IS TO A NON-CONDENSED CONSISTENT CHANGE TABLE

Explanation: Mapping case 2 is not supported when propagating to a non-condensed table.

Severity: Error.

System action: Processing terminates with return code 8. The caller of the MVG begins processing the next PR.

Programmer response: Correct the PR definition and rerun the DataRefresher UIM job or the MVGU job for this PR.

Module: EKYM120X

EKYM921I PR=*pr* PROPAGATES TO A CONDENSED CONSISTENT CHANGE DATA TABLE

Explanation: The PR *pr* propagates to a condensed consistent change data table.

Severity: Information.

System action: Processing continues.

Programmer response: Inform the user of the propagation target.

Module: EKYM120X

EKYM922I

PR=*pr* PROPAGATES TO A NON-CONDENSED CONSISTENT CHANGE

Explanation: The PR *pr* propagates to a non-condensed consistent change data table.

Severity: Information.

System action: Processing continues.

Programmer response: Inform the user of the propagation target.

Module: EKYM120X

EKYM923E IBMSNAP COLUMN=*col* IS INCORRECTLY DEFINED IN TABLE=*tblname* WITH QUALIFIER=*table_qualifier*

Explanation: The table *tblname* contains an IBMSNAP column with a datatype or a length specification that is incorrect for asynchronous propagation.

Severity: Error.

System action: Processing terminates with return code 8. The caller of the MVG begins processing the next PR.

Programmer response: Recreate the propagated table specifying the correct datatype or length for the column. Resubmit the DataRefresher UIM job or the MVGU job for this PR.

Module: EKYM120X

EKYM930E PR=*prid* IS PRTYPE=E AND MAPCASE=3, BUT THE CONTAINING SEGMENT=*segment* DOES NOT HAVE A SEGMENT EXIT SPECIFIED

Explanation: Segments propagated by a PR with mapping case 3 (internal segments) and PRTYPE=E must be processed by a segment exit routine. This segment exit must be specified on the containing IMS segment.

Severity: Error.

System action: Processing of the program terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Provide the correct segment exit routine for the containing IMS segment and rerun the job for this PR.

Module: EKYM130X

EKYM931E PR=*prid* IS PRTYPE=E AND MAPCASE=3, BUT THE NUMBER OF OCCURRENCES OF THE INTERNAL SEGMENT IS NOT SPECIFIED BY AN OCCURS FIELD

Explanation: For PRs with mapping case 3, the segment occurrences can be specified either by a literal or by a field. If the PR is PRTYPE=E, a field must be specified, not a literal.

Severity: Error.

System action: Processing of the program terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Provide an occurs field for the number of occurrences or change the PRTYPE and rerun the job for this PR.

Module: EKYM130X

EKYM960W THE PR IS MAPPING CASE 2 BUT A NON-KEY FIELD OF THE ENTITY SEGMENT IS INCLUDED IN THE WHERE CLAUSE; DBD=*dbdname*, SEG=*segment*, FIELD=*field*

Explanation: Because the PR is mapping case 2, the non-key field of the entity segment included in the WHERE clause should not change its value.

Severity: Warning.

System action: Processing continues.

Module: EKYM960X

EKYM961W AN ENTITY SEGMENT WHICH HAS PROPAGATED DEPENDENTS HAS A NON-KEY FIELD INCLUDED IN THE WHERE CLAUSE BUT IT IS PROPAGATED BY A PR WITH PRTYPE=E; DBD=*dbdname*, SEG=*segment*, FIELD=*field*

Explanation: Because the PR is PRTYPE=E and the entity segment has propagated dependents, the non-key field of the entity segment included in the WHERE clause should not change its value.

Severity: Warning.

System action: Processing continues.

Module: EKYM960X

EKYM962W AN ENTITY SEGMENT WHICH HAS PROPAGATED DEPENDENTS HAS A NON-KEY FIELD INCLUDED IN THE WHERE CLAUSE BUT RI-RULES ARE IMPLEMENTED; DBD=*dbdname*, SEG=*segment*, FIELD=*field*

Explanation: Because the entity segment has propagated dependents and referential integrity rules are implemented, the non-key field of the entity segment included in the WHERE clause should not change its value.

Severity: Warning.

System action: Processing continues.

Module: EKYM960X

EKYM963W SEGMENT=*segment* HAS A NON-UNIQUE KEY AND AN INSERT RULE OF 'HERE' BUT THE PR IS SUBJECT TO DB2-TO-IMS PROPAGATION

Explanation: The PR is subject to DB2-to-IMS propagation rules. The insert rule specified cannot be specified with reverse propagation. For segments with

no unique IMS key field and using the IMS insert rule of HERE, use the insert rule of 'FIRST' for performing DB2-to-IMS SQL inserts.

Severity: Warning.

System action: Processing continues.

Module: EKYM960X

EKYM964W SEGMENT=*segment* IS A LOGICAL PARENT BUT IT HAS AT LEAST A DATA FIELD OR A PATH-DATA FIELD INCLUDED IN THE WHERE CLAUSE; FIELD=*field*

Explanation: The WHERE clause cannot be specified in a logical segments.

When propagating a logical parent that has propagated logical child/dependant segments, it is recommended that only IMS key fields be included in the WHERE clause. See the appropriate Administrators Guide for your propagation mode for further information.

Severity: Warning.

System action: Processing continues.

Module: EKYM960X

EKYM965E A NON-KEY FIELD OF THE ENTITY SEGMENT IS INCLUDED IN THE WHERE CLAUSE AND THE PR IS MAPPING CASE 2, BUT THE PATH OPTIONS ARE NOT SPECIFIED IN THE DBD; DBD=*dbdname*, SEG=*segment*, FIELD=*field*

Explanation: For PRs with mapping case 2, if non-key fields of the entity segment are included in the WHERE clause, the two path options must be specified in the DBD (PATH option and CASCADE PATH option).

Severity: Error.

System action: Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Either modify the EXIT specifications in the DBD or change the PR definition and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM160X

EKYM980W IN THE CURRENT CONTEXT, NO RI-CONSTRAINTS SHOULD BE DEFINED BETWEEN THE TABLE MAPPED BY THE LOGICAL CHILD AND THE TABLE MAPPED BY ITS LOGICAL PARENT

Explanation: When the IMS relationship between a

logical parent and a logical child is unidirectional, and the delete rule of the logical parent is “logical,” no RIR should be defined between the table propagated by the logical child and the table propagated by its logical parent.

Severity: Warning.

System action: Processing continues.

Module: EKYM180X

EKYM981E SEGMENT=*segment1* IS A PAIRED LC; EITHER ITS PAIR=*segment2* OR ONE OF THE DEPENDENTS OF ITS PAIR IS ALREADY PROPAGATED, AND ONE OF THE PRS IS PRTYPE=E

Explanation: If a paired logical child or a dependent of this segment is propagated by a PR with PRTYPE=E, its pair cannot also be propagated.

Severity: Error.

System action: Processing of the PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the PR definition and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM180X

EKYM982W SEGMENT=*segment1* IS A PAIRED LC; EITHER ITS PAIR=*segment2* OR ONE OF THE DEPENDENTS OF ITS PAIR IS ALREADY PROPAGATED

Explanation: If a paired logical child or a dependent of this segment is propagated by a PR with PRTYPE=L/F, its pair should not be propagated.

Severity: Warning.

System action: Processing continues.

Module: EKYM180X

EKYM983E PR=*prid1* AND PR=*prid2* ARE PRTYPE=E AND BOTH HAVE A WHERE CLAUSE, BUT THE DB2 PRIMARY KEYS OF THE RESPECTIVE TARGET TABLES ARE NOT MAPPED FROM THE SAME BYTES

Explanation: When a specific segment is propagated by several PRs with PRTYPE=E (and therefore having a WHERE clause), the DB2 primary keys of the target tables must be mapped from the same bytes.

Severity: Error.

System action: Processing of the PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the PR definition and

rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM180X

EKYM984E THE DB2 PRIMARY KEY OF THE PROPAGATED TABLE MUST BE MAPPED BY AT LEAST THE SAME BYTES THAT MAP THE DB2 PRIMARY KEY OF THE PARENT TABLE IN PR=*prid*

Explanation: For PRs with PRTYPE=E, the DB2 primary key of the target table of the entity segment must be mapped by at least the same bytes that map the DB2 primary key of the target table of the parent segment.

Severity: Error.

System action: Processing of the PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the PR definition and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM180X

EKYM985W THE DB2 FOREIGN KEY OF THE PROPAGATED TABLE SHOULD BE MAPPED EXCLUSIVELY BY THE SAME BYTES THAT MAP THE DB2 PRIMARY KEY OF THE PARENT TABLE IN PR=*prid*

Explanation: The DB2 foreign key of the target table of the entity segment should be mapped by the same bytes that map the DB2 primary key of the target table of the parent segment.

Severity: Warning.

System action: Processing continues.

Module: EKYM180X

EKYM986W A WHERE CLAUSE IS SPECIFIED ON THE PARENT SEGMENT PR=*prid1* BUT NOT ON THE CURRENT PR=*prid2*

Explanation: If a WHERE clause is specified on a specific segment, all the propagated dependents should also have a WHERE clause specified.

Severity: Warning.

System action: Processing continues.

Module: EKYM180X

EKYM987E THE LOGICAL CONCATENATED KEY IS NOT PROPAGATED ENTIRELY

Explanation: For PRs with PRTYPE=E, the logical concatenated key of the entity segment must be entirely propagated.

Severity: Error.

System action: Processing of the PR terminates with return code 8. The caller of MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the PR definition and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM180X

EKYM988W THE WHERE CLAUSE ON THE PARENT SEGMENT PR=*prid1* AND THE WHERE CLAUSE ON THE CURRENT PR=*prid2* MAY BE DIFFERENT

Explanation: The WHERE clauses provided on the PR propagating the entity segment and on the PR propagating its parent segment are not exactly identical.

Severity: Warning.

System action: Processing continues.

Module: EKYM180X

EKYM989W SEGMENT=*segment* IN PR=*prid1* IS ALREADY PROPAGATED BY PR=*prid2*; ONE PR HAS PRTYPE=E AND THE OTHER PR HAS PRTYPE=U AND MAPDIR=TW/RH

Explanation: If a segment is propagated by a PR with PRTYPE=U and mapping direction of TWIRH, it should not also be propagated by another PR with PRTYPE=E. Likewise, if a segment is propagated by a PR with PRTYPE=E, it should not also be propagated by another PR with PRTYPE=U and mapping direction of TWIRH. When performing DB2-to-IMS propagation, a specific segment occurrence is potentially mapped-to by more than one table.

Severity: Warning.

System action: Processing continues.

Module: EKYM180X

EKYM990W PR HAS PRTYPE=*prtype* BUT SEGMENT=*segment* IS ALREADY PROPAGATED BY PR=*prid* WITH PRTYPE=E AND MAPDIR=*mapdir*

Explanation: This warning message is issued when a specific segment is propagated by at least one PR with PRTYPE=E and one PR with PRTYPE=FIL.

Severity: Warning.

System action: Processing continues.

Programmer response: None.

Module: EKYM180X

EKYM991W PR HAS PRTYPE=E AND MAPDIR=*mapdir* BUT SEGMENT=*segment* IS ALREADY PROPAGATED BY PR=*PR* WITH PRTYPE=*prtype*

Explanation: This warning message is issued when a specific segment is propagated by at least one PR with PRTYPE=E and one PR with PRTYPE=FIL.

Severity: Warning.

System action: Processing continues.

Programmer response: None.

Module: EKYM180X

EKYM992E SEGMENT=*segment* in DBD=*dbd* HAS THE LOG PARAMETER SPECIFIED MORE THAN ONCE

Explanation: This error message is issued when a specific segment has the log parameter specified more than once.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the cause of the error rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM200X

EKYM993E SEGMENT=*segment* in DBD=*dbd* DOES NOT HAVE THE LOG PARAMETER SPECIFIED

Explanation: This error message is issued when a specific segment does not have the log parameter specified.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the cause of the error rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM200X

EKYM994E ERROR DURING THE SELECT OF PR=*prid* FROM THE PRCT TABLE

Explanation: An SQL error occurred while trying to select a row from the PRCT.

Severity: Error.

System action: Processing of the MVG terminates.

Programmer response: See message EKYM360E for the DB2 error message and the SQL code.

Module: EKYF000X

**EKYM995E ERROR DURING THE DELETE OF
PR=*prid* FROM THE PRCT TABLE**

Explanation: An SQL error occurred while trying to delete a row from the PRCT.

Severity: Error.

System action: Processing of the MVG terminates.

Programmer response: See message EKYM360E for the DB2 error message and the SQL code.

Module: EKYF000X

**EKYM996E ERROR DURING THE RE-INSERT OF
PR=*PR* INTO THE PRCT TABLE**

Explanation: An SQL error occurred while trying to reinsert a row into the PRCT.

Severity: Error.

System action: Processing of the MVG terminates.

Programmer response: See message EKYM360E for the DB2 error message and the SQL code.

Module: EKYF000X

**EKYM997E SEGMENT=*SEG* IN DBD=*DBD* DOES
NOT HAVE AN EXIT=EKYMQCAP
SPECIFICATION**

Explanation: The indicated segment is selected to be propagated in an MQ-ASYNC DPROP environment. Therefore, it must have EXIT=EKYMQCAP specified in the DBDGEN.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing this PR and begins processing a new PR if one exists.

Programmer response: Correct the cause of the error and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM200X

**EKYM998E SEGMENT=*SEG* IN DBD=*DBD* HAS
NEITHER AN EXIT=EKYMQCAP NOR A
LOG SPECIFICATION**

Explanation: The indicated segment is selected to be propagated in an asynchronous DPROP system, either MQ-ASYNC or LOG-ASYNC. Therefore, it requires either the EXIT=EKYMQCAP or EXIT=LOG specification in the DBDGEN.

Severity: Error.

System action: Processing of this PR terminates with return code 8. The caller of the MVG stops processing

this PR and begins processing a new PR if one exists.

Programmer response: Correct the cause of the error and rerun the DXT UIM job or the MVGU job for this PR.

Module: EKYM200X

Chapter 13. PRDS Registration utility

EKYP001I LIST OF //EKYREGIN INPUT RECORDS FOLLOWS

Explanation: The list of PRU control statements provided in the EKYREGIN data set follows this message.

Severity: Information.

System action: PRU processing continues.

Programmer response: None.

Module: EKYP000X

EKYP002I *stmt*

Explanation: The PRU control statement specified in the EKYREGIN data set.

Severity: Information.

System action: PRU processing continues.

Programmer response: None.

Module: EKYP000X

EKYP003E END OF //EKYREGIN INPUT RECORDS. INPUT RECORDS HAVE AT LEAST ONE SYNTAX ERROR

Explanation: One or more syntax errors have been detected by the parser while parsing the PRU control statements specified in the EKYREGIN data set.

Severity: Error.

System action: PRU processing terminates.

Programmer response: Examine the messages following the control statements to determine the statement or statements causing the error. Correct the control statement or statements and resubmit the PRU job.

Module: EKYP000X

EKYP004E ERRORS FOUND WHILE PARSING INPUT CONTROL STATEMENTS

Explanation: An error has been detected while parsing the PRU control statements specified in the EKYREGIN data set.

Severity: Error.

System action: PRU processing terminates.

Programmer response: Determine the cause of the problem by examining the error message or messages. Correct the problem and resubmit the PRU job.

Module: EKYP000X

EKYP005E INTERNAL ERROR PROCESSING PRU CONTROL STATEMENT

Explanation: A serious internal error has been detected. An internal control block may be corrupted.

Severity: Error.

System action: PRU processing terminates.

Programmer response: Save the output, and contact IBM Software Support.

Module: EKYP000X

EKYP006I RETURN CODE: *rc* REASON CODE: *rsn*

Explanation: This message is printed in conjunction with one of the following:

- EKYP117I
- EKYP212I
- EKYP315I

The combination of these messages gives the return and reason code at the completion of processing for each PRU command.

Severity: Information.

System action: PRU processing continues.

Programmer response: None.

Module: EKYP000X

EKYP007E NO VALID CONTROL STATEMENTS WERE FOUND IN THE EKYREGIN INPUT DATASET

Explanation: The EKYREGIN data set contains invalid PRU control statements.

Severity: Error.

System action: PRU terminates processing.

Programmer response: Correct the incorrect PRU control statements, and resubmit the job.

Module: EKYP000X

EKYP101E INTERNAL ERROR PROCESSING REGISTER CONTROL STATEMENT

Explanation: A serious internal error has been detected. An internal control block may be corrupted.

Severity: Error.

System action: PRU processing terminates.

Programmer response: Save the output, and contact IBM Software Support.

Module: EKYP100X

EKYP102W A PRDS ALREADY EXISTS IN THE PRDS REGISTER TABLE FOR GROUP ID: *grpid* SEQUENCE NO: *seqno* DSN: *dsn*

Explanation: A row already exists in the PRDS register table (DPRPRDSR) with the group identifier *grpid* and sequence number *seqno* combination.

Severity: Warning.

System action: PRU processing continues.

Programmer response: Ignore this message if the correct group identifier and sequence number are being used. If an incorrect group identifier and sequence number are being used, specify the correct identifier and sequence number.

Module: EKYP100X

EKYP103E THE REGISTER CONTROL STATEMENT REQUIRES A VOLUME SERIAL OPERAND FOR AN UNCATALOGED DATA SET

Explanation: The mandatory operand VOLSER= has been omitted from the PRU REGISTER control statement. This operand is required when the data set is not catalogued.

Severity: Error.

System action: PRU processing terminates.

Programmer response: Correct the control statement, and resubmit the PRU job.

Module: EKYP100X

EKYP104E THE REGISTER CONTROL STATEMENT REQUIRES AN UNIT TYPE OPERAND FOR AN UNCATALOGED DATA SET

Explanation: The mandatory operand UNIT= has been omitted from the PRU REGISTER control statement. This operand is required when the data set is not catalogued.

Severity: Error.

System action: PRU processing terminates.

Programmer response: Correct the control statement, and resubmit the PRU job.

Module: EKYP100X

EKYP105W NONZERO CODE RETURNED BY MACRO *macro* WHEN RETRIEVING JCL ALLOCATION RESOURCES RETURN CODE (R15): *rdrcRC* DDNAME: *ddname* ERROR REASON CODE: *rsn/rsn* ERROR INFORMATION CODE: *idic*

Explanation: The PRU tried to allocate JCL resources with an SVC99 function, but the request failed with the codes *ic/ic*. These codes are returned by the SVC 99 in hexadecimal and decimal format.

Severity: Error.

System action: PRU continues processing the next PRDS.

Programmer response: Refer to the *OS/390 MVS Application Development Guide* for an explanation of SVC 99 codes. Use this information to correct the error. Then, resubmit the job for the PRDS.

Module: EKYP100X

EKYP106W THE FOLLOWING DATA SET IS NOT A DPROP PRDS DSN: *dsn*

Explanation: The PRU has determined that the data set *dsn* in the REGISTER control statement, either specifically defined or as part of a DSN pattern, is not a PRDS generated by the IMS DPROP Asynchronous Selector function. The PRDS has not been registered.

Severity: Warning.

System action: PRU processing continues.

Programmer response: Determine if this situation is expected.

Module: EKYP100X

EKYP107W UNABLE TO READ THE HEADER RECORD OF PRDS DATA SET: DSN: *dsn*

Explanation: An error occurred while reading the header record of the PRDS.

Severity: Warning.

System action: PRU continues processing the next PRDS.

Programmer response: Resubmit the PRU job for the PRDS.

Module: EKYP100X

EKYP108W FAILED TO OPEN THE PRDS DATA SET: DSN: *dsn*

Explanation: An error occurred while opening the PRDS data set.

Severity: Warning.

System action: PRU continues processing the next PRDS.

Programmer response: Resubmit the PRU job for the PRDS.

Module: EKYP100X

**EKYP109W NONZERO CODE RETURNED BY
MACRO *macro* WHEN RETRIEVING JCL
ALLOCATION RESOURCES RETURN
CODE (R15): *rd/rc* DDNAME: *DDN*
ERROR REASON CODE: *rsn/rsn*
ERROR INFORMATION CODE: *idec***

Explanation: A request to deallocate JCL resources with an SVC99 function failed. The codes returned by the SVC 99 are displayed in hexadecimal and decimal format.

Severity: Error

System action: PRU continues processing the next PRDS.

Programmer response: Refer to the *OS/390 MVS Application Development Guide* for an explanation of SVC 99 codes.

Correct the error based on this information, and resubmit the job for the PRDS.

Module: EKYP100X

**EKYP110I SUCCESSFULLY REGISTERED THE
FOLLOWING DATA SET, DSN: *dsn***

Explanation: The Registration of the specified PRDS data set completed successfully.

Severity: Information.

System action: PRU processing continues.

Programmer response: None.

Module: EKYP100X

**EKYP111E UNEXPECTED SQL RETURN CODE
WHEN INSERTING INTO PRDS
REGISTER TABLE FOR THE
FOLLOWING PRDS DATA SET: DSN:
dsn SQLCODE: *sqlcode***

Explanation: The SQL code *sqlcode* was returned in response to an SQL statement issued by the PRU to insert a row into the PRDS register table (DPRPRDSR).

Severity: Error.

System action: PRU processing terminates.

Programmer response: Refer to the DB2 SQL Reference for an explanation of the SQL code.

Correct the error before resubmitting the job.

Module: EKYP100X

**EKYP112W UNABLE TO OPEN THE IDCAMS
OUTPUT FILE - SYSPRINT**

Explanation: An error occurred while opening the SYSPRINT data set required for IDCAMS.

Severity: Warning.

System action: PRU continues processing the next control statement.

Programmer response: Resubmit the PRU job for the control statement.

Module: EKYP100X

**EKYP113E THE VALUE ENTERED FOR THE
OPERAND LABEL= IS NOT A VALID
VALUE**

Explanation: An invalid value has been entered on the LABEL= operand on the REGISTER control statement.

Severity: Error.

System action: PRU processing terminates.

Programmer response: Correct the control statement, and resubmit the job.

Module: EKYP100X

**EKYP114W AN UNEXPECTED CONDITION CODE
HAS BEEN RECEIVED FROM IDCAMS
CONDITION CODE IS *cc***

Explanation: IDCAMS returned an unexpected condition code from a check using LISTCAT. LISTCAT checks whether the data set is catalogued.

Severity: Warning.

System action: PRU starts processing the next PRDS.

Programmer response: Save the output, and contact IBM Software Support.

Module: EKYP100X

**EKYP115E THE SYNTAX OF THE IDCAMS
COMMAND IS INCORRECT**

Explanation: The syntax of the DSN= pattern on the REGISTER control statement does not conform to IDCAMS LISTCAT rules.

Severity: Error.

System action: PRU processing terminates.

Programmer response: Correct the control statement, and resubmit the job.

Module: EKYP100X

**EKYP116W NO DATASETS HAVE BEEN
RETURNED BY IDCAMS FOR THE DSN
PATTERN SPECIFIED**

Explanation: The DSN= pattern on the REGISTER control statement has not been matched with any data sets catalogued in the MVS catalog.

Severity: Warning.

System action: PRU processing continues.

Programmer response: Ignore this message if this is an expected result.

Module: EKYP100X

**EKYP117I PROCESSING COMPLETE FOR
REGISTER OF: *ins***

Explanation: This message is displayed in conjunction with EKYP006I. The combination of these messages give the return code and reason code at the completion of processing for the REGISTER command.

Severity: Information.

System action: PRU processing continues.

Programmer response: None.

Module: EKYP100X

**EKYP150W FAILED TO WRITE IDCAMS COMMAND
TO SYSIN FILE**

Explanation: An error occurred while writing to the SYSIN file which is required by IDCAMS.

Severity: Warning.

System action: PRU continues processing the next control statement.

Programmer response: Resubmit the PRU job for the control statement.

Module: EKYP110X

**EKYP151W FAILED TO OPEN THE SYSIN FILE
FOR IDCAMS**

Explanation: An error has occurred while opening the SYSIN file which is required by IDCAMS.

Severity: Warning.

System action: PRU continues processing the next control statement.

Programmer response: Resubmit the PRU job for the control statement.

Module: EKYP110X

**EKYP201E INTERNAL ERROR PROCESSING
UNREGISTER CONTROL STATEMENT**

Explanation: An internal error has been detected. An internal control block has been corrupted.

Severity: Error.

System action: PRU processing terminates.

Programmer response: Save the output, and contact IBM Software Support.

Module: EKYP200X

**EKYP202E THE OPERAND OLDERTHAN= IS
INVALID WHEN UNREGISTERING A
FULLY QUALIFIED PRDS**

Explanation: The operand OLDERTHAN has been specified in an UNREGISTER control statement. This operand is not valid when unregistering a PRDS by specifying a fully qualified data set name.

Severity: Error.

System action: PRU processing terminates.

Programmer response: Correct the control statement, and resubmit the job.

Module: EKYP200X

**EKYP203E THE OPERAND OLDERTHAN= IS
MANDATORY WHEN UNREGISTERING
MULTIPLE PRDSES**

Explanation: The operand OLDERTHAN is mandatory in the UNREGISTER control statement when unregistering PRDSs by specifying a DSN pattern.

Severity: Error.

System action: PRU processing terminates.

Programmer response: Correct the control statement, and resubmit the job.

Module: EKYP200X

**EKYP204W AN ENTRY FOR THE FOLLOWING
PRDS COULD NOT BE FOUND IN THE
PRDS REGISTER TABLE: *dsn***

Explanation: No record was found in the PRDS register table (DPRPRDSR) that matches the value entered in the UNREGISTER control statement.

Severity: Warning.

System action: PRU processing continues.

Programmer response: Ignore this message if this is an expected result.

Module: EKYP200X

**EKYP205E UNEXPECTED SQL RETURN CODE
WHEN DELETING FROM PRDS
REGISTER TABLE FOR THE
FOLLOWING PRDS DATA SET: DSN:
dsn SQLCODE: *sqlcode***

Explanation: The SQL code *sqlcode* resulted from an SQL statement issued by the PRU to delete a row from the PRDS register table (DPRPRDSR).

Severity: Error.

System action: PRU processing terminates.

Programmer response: Refer to the DB2 SQL Reference for an explanation of the SQL code.

Correct the error before resubmitting the job.

Module: EKYP200X

**EKYP206E THE SYNTAX ENTERED FOR A DSN
PATTERN DOES NOT ADHERE TO
IDCAMS LISTCAT RULES**

Explanation: The syntax of the DSN= pattern on the REGISTER control statement is incorrect. The syntax must follow IDCAMS LISTCAT rules.

Severity: Error.

System action: PRU processing terminates.

Programmer response: Correct the control statement, and resubmit the job.

Module: EKYP200X

**EKYP207E UNEXPECTED SQL RETURN CODE
WHEN OPENING CURSOR FOR THE
PRDS REGISTER TABLE SQLCODE:
*sqlcode***

Explanation: The SQL code *sqlcode* was displayed in response to an SQL statement issued by the PRU to open a cursor for the PRDS register table (DPRPRDSR).

Severity: Error.

System action: PRU processing terminates.

Programmer response: Refer to the DB2 SQL Reference for an explanation of the SQL code.

Correct the error before resubmitting the job.

Module: EKYP200X

**EKYP208E UNEXPECTED SQL RETURN CODE
WHEN FETCHING ROWS FROM THE
PRDS REGISTER TABLE SQLCODE:
*sqlcode***

Explanation: The SQL code *sqlcode* was displayed in response to an SQL statement issued by the PRU to fetch rows from the PRDS register table (DPRPRDSR).

Severity: Error.

System action: PRU processing terminates.

Programmer response: Refer to the DB2 SQL Reference for an explanation of the SQL code.

Correct the error before resubmitting the job.

Module: EKYP200X

**EKYP209E UNEXPECTED SQL RETURN CODE
WHEN CLOSING CURSOR FOR THE
PRDS REGISTER TABLE SQLCODE:
*sqlcode***

Explanation: The SQL code *sqlcode* is displayed in

response to an SQL statement issued by the PRU to close a cursor for the PRDS register table (DPRPRDSR).

Severity: Error.

System action: PRU processing terminates.

Programmer response: Refer to the DB2 SQL Reference for an explanation of the SQL code.

Correct the error before resubmitting the job.

Module: EKYP200X

**EKYP210E THE VALUE ENTERED FOR THE
OPERAND OLDERTHAN= IS NOT A
VALID VALUE**

Explanation: The OLDERTHAN operand specified is invalid. The value specified must be either:

- Numeric
- 999
- ANY

Severity: Error.

System action: PRU processing terminates.

Programmer response: Correct the control statement, and resubmit the job.

Module: EKYP200X

**EKYP211I SUCCESSFULLY UNREGISTERED THE
FOLLOWING DATA SET DSN: *dsn***

Explanation: The PRDS data set has been successfully unregistered.

Severity: Information.

System action: PRU processing continues.

Programmer response: None.

Module: EKYP200X

**EKYP212I PROCESSING COMPLETE FOR
UNREGISTER OF: *ins***

Explanation: This message is displayed in conjunction with the message EKYP006I. They display the return and reason code for the processing of the UNREGISTER command.

Severity: Information.

System action: PRU processing continues.

Programmer response: None.

Module: EKYP200X

EKYP213W NO DATA SETS RETURNED FOR PATTERN OR ALL SPECIFIED ON THE UNREGISTER STATEMENT

Explanation: A number of data sets were specified in the UNREGISTER control statement but none of the rows in the PRDS register table (DPRPRDSR) matched the values supplied in the control statement. No PRDS was unregistered.

Severity: Warning.

System action: PRU processing continues.

Programmer response: Ignore this message if this is an expected result.

Module: EKYP200X

EKYP214W NO DATA SETS RETURNED THAT SATISFY THE OLDERTHAN= VALUE ON THE UNREGISTER STATEMENT

Explanation: A number of data sets were specified in the UNREGISTER control statement but none of the rows in the PRDS register table (DPRPRDSR) satisfied the OLDERTHAN= value entered in the control statement. No PRDS was unregistered.

Severity: Warning.

System action: PRU processing continues.

Programmer response: Ignore this message if this is an expected result.

Module: EKYP200X

EKYP215W ALL DATA SETS RETURNED ARE CATALOGUED DATA SETS - NOTHING HAS BEEN UNREGISTERED

Explanation: A number of data sets were specified in the UNREGISTER control statement. However, the PRDSs that satisfy the criteria for unregistration are catalogued data sets, and the CAT=EVEN operand has not been specified. No PRDS was unregistered.

Severity: Warning.

System action: PRU processing continues.

Programmer response: Ignore this message if this is an expected result.

Module: EKYP200X

EKYP216W AN ERROR OCCURRED WHEN ATTEMPTING TO OPEN THE REGLIST PRINT FILE RETCODE: *retcode*

Explanation: An error occurred while opening the REGLIST file.

Severity: Warning.

System action: PRU processing continues.

Programmer response: Resubmit the PRU job.

Module: EKYP200X

EKYP217W AN ERROR OCCURRED WHEN ATTEMPTING TO WRITE TO THE REGLIST PRINT FILE RETCODE: *retcode*

Explanation: An error occurred while writing to the REGLIST file.

Severity: Warning.

System action: PRU processing continues.

Programmer response: Resubmit the PRU job.

Module: EKYP200X

EKYP218W NO RECEIVER EXISTS IN THE RCT TABLE *dprrect* THAT CAN PROCESS THE PRDS: GROUP ID: *grpId* SEQUENCE NO: *seqno* DSN: *dsn*

Explanation: A receiver could not be found in the Receiver control table *dprrect* that will process the group *grpId*.

Severity: Warning.

System action: PRU continues processing.

Programmer response: Ignore this message if this is an expected result.

Module: EKYP200X

EKYP219W ALL PRDSs RETURNED ARE STILL BEING PROCESSED BY THEIR RELEVANT RECEIVERS

Explanation: A number of data sets were specified to be unregistered on the UNREGISTER control statement. However, the PRDSs that meet the UNREGISTER criteria are still being processed by their Receivers. No PRDSs are unregistered.

Severity: Warning.

System action: PRU continues processing.

Programmer response: Ignore this message if this is an expected result.

Module: EKYP200X

EKYP301E INTERNAL ERROR PROCESSING LIST CONTROL STATEMENT

Explanation: A serious internal error has been detected. An internal control block may be corrupted.

Severity: Error.

System action: PRU processing terminates.

Programmer response: Save the output, and contact IBM Software Support.

Module: EKYP300X

EKYP302E THE OPERAND OLDERTHAN= IS INVALID WHEN LISTING A FULLY QUALIFIED PRDS

Explanation: Specifying an operand of OLDERTHAN= on the LIST control statement is not allowed when listing a PRDS by specifying a fully qualified data set.

Severity: Error.

System action: PRU processing terminates.

Programmer response: Correct the control statement, and resubmit the job.

Module: EKYP300X

EKYP303W AN ENTRY FOR THE FOLLOWING PRDS COULD NOT BE FOUND IN THE PRDS REGISTER TABLE: *dsn*

Explanation: No record could be found in the PRDS register table (DPRPRDSR) that matched the values entered in the LIST control statement.

Severity: Warning.

System action: PRU processing continues.

Programmer response: Determine the correctness of the situation.

Module: EKYP300X

EKYP304E UNEXPECTED SQL RETURN CODE WHEN READING THE PRDS REGISTER TABLE FOR THE FOLLOWING PRDS DATA SET: DSN: *dsn* SQLCODE: *sqlcode*

Explanation: The SQL code *sqlcode* was displayed in response to an SQL statement issued by the PRU to access register table (DPRPRDSR).

Severity: Error.

System action: PRU processing terminates.

Programmer response: Refer to the *DB2 SQL Reference* for an explanation of the SQL code.

Correct the error before resubmitting the job.

Module: EKYP300X

EKYP305E THE SYNTAX ENTERED FOR A DSN PATTERN DOES NOT ADHERE TO IDCAMS LISTCAT RULES

Explanation: The syntax of the DSN= pattern on the LIST control statement does not conform to IDCAMS LISTCAT rules.

Severity: Error.

System action: PRU processing terminates.

Programmer response: Correct the control statement, and resubmit the job.

Module: EKYP300X

EKYP306E UNEXPECTED SQL RETURN CODE WHEN OPENING CURSOR FOR THE PRDS REGISTER TABLE SQLCODE: *sqlcode*

Explanation: The SQL code *sqlcode* resulted from an SQL statement issued by the PRU to open a cursor for the PRDS register table (DPRPRDSR).

Severity: Error.

System action: PRU processing terminates.

Programmer response: Refer to the *DB2 SQL Reference* for an explanation of the SQL code. Correct the error before resubmitting the job.

Module: EKYP300X

EKYP307E UNEXPECTED SQL RETURN CODE WHEN FETCHING ROWS FROM THE PRDS REGISTER TABLE SQLCODE: *sqlcode*

Explanation: The SQL code *sqlcode* was returned in response to an SQL statement issued by the PRU to fetch rows from the PRDS register table (DPRPRDSR).

Severity: Error.

System action: PRU processing terminates.

Programmer response: Refer to the *DB2 SQL Reference* for an explanation of the SQL code. Correct the error before resubmitting the job.

Module: EKYP300X

EKYP308E UNEXPECTED SQL RETURN CODE WHEN CLOSING CURSOR FOR THE PRDS REGISTER TABLE SQLCODE: *sqlcode*

Explanation: The SQL code *sqlcode* was returned in response to an SQL statement issued by the PRU to close a cursor for the PRDS register table (DPRPRDSR).

Severity: Error.

System action: PRU processing terminates.

Programmer response: Refer to the *DB2 SQL Reference* for an explanation of the SQL code. Correct the error before resubmitting the job.

Module: EKYP300X

**EKYP309E THE VALUE ENTERED FOR THE
OPERAND OLDERTHAN= IS NOT A
VALID VALUE**

Explanation: An invalid value has been specified in the OLDERTHAN operand. The value must be either:

- Numeric
- 999
- Any

Severity: Error.

System action: PRU processing terminates.

Programmer response: Correct the control statement, and resubmit the job.

Module: EKYP300X

**EKYP310W AN ERROR OCCURRED WHEN
ATTEMPTING TO OPEN THE REGLIST
PRINT FILE RETCODE: *retcode***

Explanation: An error occurred while opening the REGLIST file.

Severity: Warning.

System action: PRU processing continues.

Programmer response: Resubmit the PRU job.

Module: EKYP300X

**EKYP311W AN ERROR OCCURRED WHEN
ATTEMPTING TO WRITE TO THE
REGLIST PRINT FILE RETCODE:
*retcode***

Explanation: An error occurred while writing to the REGLIST file.

Severity: Warning.

System action: PRU processing continues.

Programmer response: Resubmit the PRU job.

Module: EKYP300X

**EKYP312E UNEXPECTED SQL RETURN CODE
WHEN OPENING CURSOR FOR THE
PRDS VOLUME TABLE SQLCODE:
*sqlcode***

Explanation: The SQL code *sqlcode* resulted from an SQL statement issued by the PRU to open a cursor for the PRDS register volume table (DPRPRDSV).

Severity: Error.

System action: PRU processing terminates.

Programmer response: Refer to the *DB2 SQL Reference* for an explanation of the SQL code. Correct the error before resubmitting the job.

Module: EKYP300X

**EKYP313E UNEXPECTED SQL RETURN CODE
WHEN CLOSING CURSOR FOR THE
PRDS VOLUME TABLE SQLCODE:
*sqlcode***

Explanation: The SQL code *sqlcode* resulted from an SQL statement issued by the PRU to close a cursor for the PRDS register volume table (DPRPRDSV).

Severity: Error.

System action: PRU processing terminates.

Programmer response: Refer to the *DB2 SQL Reference* for an explanation of the SQL code. Correct the error before resubmitting the job.

Module: EKYP300X

**EKYP314E UNEXPECTED SQL RETURN CODE
WHEN FETCHING ROWS FROM THE
PRDS VOLUME TABLE SQLCODE:
*sqlcode***

Explanation: The SQL code *sqlcode* resulted from an SQL statement issued by the PRU to fetch rows from the PRDS register volume table (DPRPRDSV).

Severity: Error.

System action: PRU processing terminates.

Programmer response: Refer to the *DB2 SQL Reference* for an explanation of the SQL code. Correct the error before resubmitting the job.

Module: EKYP300X

**EKYP315I PROCESSING COMPLETE FOR LIST
OF: *ins***

Explanation: This message combines with EKYP006I to display the return and reason code for the completed processing the LIST command.

Severity: Information.

System action: PRU processing continues.

Programmer response: None.

Module: EKYP300X

**EKYP316W NO DATA SETS RETURNED FOR
PATTERN OR ALL SPECIFIED ON THE
LIST STATEMENT**

Explanation: A number of data sets were specified on the LIST control statement but none of the rows in the PRDS register table (DPRPRDSR) matched the values in the control statement. No PRDS was listed.

Severity: Warning.

System action: PRU processing continues.

Programmer response: Ignore this message if this is an expected result.

Module: EKYP300X

**EKYP317W NO DATA SETS RETURNED THAT
SATISFY THE OLDER THAN= VALUE
ON THE LIST STATEMENT**

Explanation: The LIST control statement specified a number of data sets but none of the rows in the PRDS register table (DPRPRDSR) matched the OLDER THAN= operand. No PRDS was listed.

Severity: Warning.

System action: PRU processing continues.

Programmer response: Ignore this message if this is an expected result.

Module: EKYP300X

Chapter 14. Group Unload utility messages

EKYQ001I LIST OF //EKYRIDS INPUT RECORDS FOLLOWS

Explanation: The list of Group Unload Utility control statements provided in the EKYRIDS data set follows this message.

Severity: Information.

System action: Group Unload Utility processing continues.

Programmer response: None.

Module: EKYQ000X

EKYQ002I *GUU_control_statement*

Explanation: The GUU control statement, as specified in the EKYRIDS data set.

Severity: Information.

System action: GUU processing continues.

Programmer response: None.

Module: EKYQ000X

EKYQ003E END OF //EKYRIDS INPUT RECORDS. INPUT RECORDS HAVE AT LEAST ONE SYNTAX ERROR

Explanation: This error message indicates that at least one syntax error has been detected by the parser while parsing the GUU Control Statements specified in the EKYRIDS data set.

Severity: Error.

System action: GUU processing terminates.

Programmer response: Examine the messages following each control statement to determine the statement or statements causing the error. Correct the control statement or statements and resubmit the GUU job.

Module: EKYQ000X

EKYQ004E ERRORS FOUND WHILE PARSING INPUT CONTROL STATEMENTS

Explanation: An error has been detected while parsing the GUU control statements specified in the EKYRIDS data set.

Severity: Error.

System action: GUU processing terminates.

Programmer response: Determine the cause of the problem by examining the error message or messages. Correct the problem and resubmit the GUU job.

Module: EKYQ000X

EKYQ005I END OF //EKYRIDS INPUT RECORDS. NO SYNTAX ERRORS DETECTED IN INPUT RECORDS

Explanation: All the GUU control statements specified in the EKYRIDS data set have been parsed successfully.

Severity: Information.

System action: GUU processing continues.

Programmer response: None.

Module: EKYQ000X

EKYQ006E INTERNAL ERROR PROCESSING THE GROUP LIST EXCEPTION RAISED: *Exception_Code*

Explanation: IMS DPROF internal error occurred while building a list of the groups to be processed.

Severity: Error,

System action: GUU terminates processing.

Programmer response: Identify the problem from the exception code.

Correct the problem and resubmit the GUU job. If the problem cannot be identified or corrected, contact IBM Software Support.

Module: EKYQ000X, EKYQ300X

EKYQ007E INTERNAL ERROR PROCESSING THE PR LIST EXCEPTION RAISED: *Exception_Code*

Explanation: An IMS DPROF internal error occurred while building a list of the PRs to be processed.

Severity: Error.

System action: GUU terminates processing.

Programmer response: Identify the problem from the exception code.

Correct the problem and resubmit the GUU Job. If the problem cannot be identified or corrected, contact IBM Software Support.

Module: EKYQ000X, EKYQ400X, EKYQ500X

EKYQ008E INVALID OPERAND *operand* DETECTED IN *control_statement* CONTROL STATEMENT

Explanation: IMS DPROF internal error. An unrecognized operand has been detected in the GUU

control statement *control_statement*.

Severity: Error.

System action: GUU terminates processing.

Programmer response: Report this problem to IBM Software Support.

Module: EKYQ300X

EKYQ009E UNEXPECTED SQL RETURN CODE:
sql_return_code

Explanation: An unexpected SQL return code *sql_return_code* has been received by the GUU during SQL processing.

Severity: Error.

System action: GUU terminates processing.

Programmer response: Identify the problem by checking the SQL return code received and the SQL control area in the relevant *DB2 Messages and Codes*. Correct the problem and resubmit the GUU job.

Module: EKYQ100X, EKYQ200X, EKYQ300X, EKYQ400X

EKYQ010E THERE ARE NO RECEIVERS DEFINED IN THE RCT

Explanation: No Receivers have been defined in the Receiver control table (RCT).

Severity: Error.

System action: GUU terminates processing.

Programmer response: Define Receivers in the RCT using the SCU CREATEREC Control Statement and assign PRs to the Receivers using the SCU ASSIGNPR Control Statement. See the *IMS DPROP Reference* for details of how to define Receivers and assign PRs to Receivers. When the Receivers have been successfully defined, resubmit the GUU job.

Module: EKYQ300X

EKYQ011E GROUP *group_identifier* IS NOT ASSIGNED TO ANY RECEIVERS IN THE RCT

Explanation: The group specified on the control statement is not assigned to any receivers in the Receiver control table (RCT).

Severity: Error.

System action: GUU terminates processing.

Programmer response: If an incorrect group was specified on the control statement, correct the *group_identifier* and resubmit the GUU job.

If the correct group was specified, assign the group to at least one Receiver using the CREATEREC SCU

Control Statement, and resubmit the GUU job. See the *IMS DPROP Reference* for details about how to define Receivers and assign PRs to Receivers.

Module: EKYQ400X

EKYQ012W THERE ARE NO PRS ASSIGNED TO RECEIVER *receiver_name*

Explanation: PRs have not been assigned to the Receiver specified, in the Propagation Request Control Table (PRCT).

Severity: Warning.

System action: GUU continues processing.

Programmer response: If PRs should be assigned to the Group, assign them using the SCU ASSIGNPR Control Statement and resubmit the GUU job.

See the *IMS DPROP Reference* for details about defining Receivers and assigning PRs to Receivers.

Module: EKYQ400X

EKYQ013W THERE ARE NO PRS ASSIGNED TO ANY OF THE RECEIVERS FOR GROUP *group_identifier*

Explanation: The group specified is assigned to at least one Receiver in the RCT. However, no PRs are assigned to the Receiver or Receivers in the PRCT. A group definition for the group cannot be generated.

Severity: Warning.

System action: GUU continues processing.

Programmer response: None.

Module: EKYQ000X

EKYQ014E PR *pr_id* IS NOT DEFINED IN THE PR TABLE

Explanation: The PR specified is not defined in the PR Mapping Table of the IMS DPROP Directory.

Severity: Error.

System action: GUU terminates processing.

Programmer response: Ensure the IMS DPROP Directory Tables are not volatile during GUU job execution. Resubmit the GUU Job. If the problem persists, contact IBM Software Support.

Module: EKYQ100X

EKYQ015E THERE ARE NO SEGMENTS DEFINED IN THE SEG TABLE FOR PR *pr_id*

Explanation: IMS DPROP internal error. Inaccurate or inconsistent data exists in the DPROP Directory Tables.

Severity: Error.

System action: GUU terminates processing.

Programmer response: Recreate the PR or PRs causing the error using the MVG, and resubmit the GUU Job. If the problem persists, report it to IBM Software Support.

Module: EKYQ100X

EKYQ016E INTERNAL ERROR PROCESSING THE PR PROPAGATION REQUIREMENTS LIST EXCEPTION RAISED:
Exception_Code

Explanation: IMS DPROP internal error occurred while building a list of the Propagation Requirements for the PRs in the Group being processed.

Severity: Error.

System action: GUU terminates processing.

Programmer response: Identify and fix the problem using the exception code, and resubmit the GUU Job. If the problem persists, report it to IBM Software Support.

Module: EKYQ000X, EKYQ100X, EKYQ200X

EKYQ017E INVALID PR TYPE *pr_type* IN THE PR MAPPING TABLE FOR PR *pr_id*

Explanation: IMS DPROP internal error. The IMS DPROP Directory Table contains inaccurate or inconsistent data.

Severity: Error.

System action: GUU terminates processing.

Programmer response: Recreate the incorrect PR or PRs using the MVG and resubmit the GUU Job. If the problem persists, report it to IBM Software Support.

Module: EKYQ100X

EKYQ018E INVALID MAPPING CASE *mapping_case* FOR GENERALIZED MAPPING CASE PR *pr_id*

Explanation: IMS DPROP internal error. Inaccurate or inconsistent data exists in the IMS DPROP Directory Tables.

Severity: Error.

System action: GUU terminates processing.

Programmer response: Recreate the PR or PRs causing the error using the MVG, and resubmit the GUU Job. If the problem persists, report it to IBM Software Support.

Module: EKYQ100X

EKYQ019E INTERNAL ERROR PROCESSING THE GROUP DEFINITION LIST EXCEPTION RAISED: *Exception_Code*

Explanation: IMS DPROP internal error occurred while building the Group Definition List.

Severity: Error.

System action: GUU terminates processing.

Programmer response: Identify the problem using the exception code. Correct it and resubmit the GUU Job. If the problem persists, report it to IBM Software Support.

Module: EKYQ000X, EKYQ200X, EKYQ500X

EKYQ020W FIELD LEVEL SENSITIVITY PROVIDED FOR SEGMENT *seg_name* AND FIELD EXITS HAVE BEEN SPECIFIED

Explanation: Fields that are not propagated can be defined in the FLD Mapping Table. Non-propagated fields have SELECTED=NO in the FLD Mapping Table.

If AVU=N is specified for a PR in the PR mapping table, the RUP calls all the field exits, irrespective of whether or not the propagated fields are updated, each time it receives a log record for a segment in the PR.

Only propagated fields are included in the group definition. The Selector selects log records only for propagated fields that have changed.

Updates propagated during Asynchronous RUP processing may differ from those propagated during Synchronous RUP processing if any of the field exits are performing processing that is dependent on or involving non-propagated fields, or if AVU=N has been specified.

Severity: Warning.

System action: GUU continues processing.

Programmer response: Segment level sensitivity should be provided for the segment *seg_name* if the field exits are performing processing that is dependent on or involving non-propagated fields and AVU=N has been specified.

The group definition generated in the group Definitions File should be altered. All field definitions for this segment in the Group Definition should be deleted.

See the IMS DPROP Reference for further information.

Module: EKYQ200X

EKYQ021E FAILED TO OPEN FILE *file_DD_Name*

Explanation: Unable to open the //file_DD_Name data set because either:

- The DD statement is missing.
- The DD name is misspelled in an existing DD statement.

- An I/O error occurred in the data set.

Severity: Error.

System action: GUU terminates processing.

Programmer response: Ensure the file specified exists and has been allocated correctly in the GUU job. Resubmit the GUU job.

Module: EKYQ000X

**EKYQ022E ERROR OCCURRED WHILE WRITING A
RECORD TO FILE *file_dd_name***

Explanation: An I/O error occurred while writing a record to the file specified.

Severity: Error.

System action: GUU terminates processing.

Programmer response: Resubmit the GUU job.

Module: EKYQ500X

**EKYQ023E NO CONTROL STATEMENTS WERE
FOUND IN THE //EKYRIDS DATASET**

Explanation: The GUU control statements file (//EKYRIDS) does not contain any control statements.

Severity: Error.

System action: GUU terminates processing.

Programmer response: Specify the required GUU control statements in the GUU Control Statements file (//EKYRIDS) and resubmit the GUU job. Refer to the IMS DPROP Reference for a list of GUU control statements.

Module: EKYQ000X

Chapter 15. Relational Update Program (RUP) messages

EKYR000E RUP RECEIVED AN INVALID ADDRESS IN THE FIRST WORD OF THE AREA POINTED TO BY THE XPCB.

Explanation: The RUP expects that the first word of the 256-byte work area the XPCB points to:

- Is zero the first time the RUP is called, or
- Contains the address of the DPROP PTD control block during later calls of the RUP (DPROP stores this address in the XPCB when the RUP is first called).

However, the content of this first word was neither zero nor pointing to the PTD control block. Possible reasons for this problem include:

- A virtual storage overlay
- The caller of the RUP does not conform to the rules defined for calling the RUP:
 - The word that the XPCB points to should be set to binary zeros by the caller of the RUP before the first calling the RUP.
 - The word should not be changed by the caller of the RUP after the first call.

Severity: Error.

System action: The RUP issues an abend.

System programmer response: If the RUP is called by a program performing asynchronous data propagation, check that this program conforms to the rules defined above for calling the RUP. Also check whether storage was overlaid by IBM code or non-IBM code. If a storage overlay was created by IBM code, contact the IBM Software Support.

Module: EKYR000X (load module name is EKYRUP00).

EKYR010E INITIALIZATION FAILURE

Explanation: DPROP initialization failed.

Severity: Error.

System action: The error is handled according to the RUP logic for unavailable resources. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: Check for other messages issued by the failing job step to determine the reason for the initialization failure.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR010X

EKYR011E PRCB IS MARKED AS INVALID DBD=*dbdname* SEG=*segment*

Explanation: The RUP read a PRCB (Propagation Control Block) that was flagged as invalid. The invalid PRCB was used to propagate the DBD and segment identified in the message.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: Check other messages issued by the failing job step to determine the reason for the failure.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR010X

EKYR012E 'PROP OFF' HAS NOT BEEN ALLOWED DBD=*dbdname* SEG=*segment* PR=*prid* PRSET=*prset*

Explanation: The //EKYIN data set allocated to the job step contains a PROP OFF control statement. However, using PROP OFF for the identified PR has not been previously allowed by calling the SCU with ALLOWPROPOFF control statements.

PROP OFF control statements are normally used to execute database repair programs.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Operator response:

- If the failing job step should be executed *with* a PROP OFF control statement (without propagating the changed data), run the SCU with appropriate ALLOWPROPOFF control statements.
- If the failing job step should be executed *without* a PROP OFF control statement, remove the PROP OFF control statement from the //EKYIN data set.

Module: EKYR010X

EKYR013E THE FOLLOWING PR SHOULD NOT BE SUSPENDED FOR CURRENT STEP DBD=*dbdname* SEG=*segment* PR=*prid* PRSET=*prset*

Explanation: The identified PR is flagged as suspended in the DPROP directory. However, the //EKYIN data set of the current job step does not contain a PROP SUSP control statement indicating that the current job step should be executed while the PR is suspended.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response:

- If the currently executing job step should be executed while the PR is suspended, the //EKYIN data set should contain a PROP SUSP control statement requesting that the job step be executed only when the PR is suspended.
- If the job step should *not* be executed while the PR is suspended, the job step should be executed when the PR is not suspended in the DPROP directory.

Operator response: Determine whether the currently executing job step should be executed while the identified PR is suspended.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR010X

EKYR014E DBD VERSION IDS DO NOT MATCH
DBD=*dbdname* **SEG=***segment* **PR=***prid*
PRSET=*prset* **PRCB=***dbdv1*
CALLER=*dbdv2*

Explanation: The DBD version ID that was stored in the DPROP directory when the PR was created does not match the DBD version ID provided by the RUP caller. The DBD version *dbdv1* is stored in the DPROP directory. The DBD version *dbdv2* is provided by the caller of the RUP.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Determine why the DBD version IDs do not match.

Check whether the PR definitions need to be adapted to reflect changes performed in the DBD. If appropriate, recreate the PR after making any required adaptations.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR010X

EKYR015E INVALID PHYSICAL CALL FUNCTION
IN XPCB PROVIDED BY CALLER

Explanation: The XPCB control block provided by the RUP's caller does not contain a valid physical call function.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Determine why the RUP's caller does not provide a valid physical call function in the XPCB control block.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR010X

EKYR016E INVALID CALL FUNCTION IN XPCB
PROVIDED BY CALLER

Explanation: The XPCB control block provided by the RUP's caller does not contain a valid call function.

Severity: Error.

System action: The error is handled according to the RUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Determine why the RUP's caller does not provide a valid call function in the XPCB control block.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR010X

EKYR017E PATH DATA FOR DLET NOT PROVIDED
BY RUP CALLER; DBD=*dbdname*
SEG=*segment* **PR=***prid* **PRSET=***prset*

Explanation: The data provided to the RUP for an IMS delete operation does not include the data of the physical parent/ancestors of the deleted segment. The PR mapping definitions require the data of the physical parent/ancestors.

One possible reason for this error is that the EXIT= specifications of DBDGEN do not include the required PATH option or the required PATH suboption of CASCADE.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Determine if the EXIT= keyword of DBDGEN specified the PATH option or the CASCADE suboption. If not, consider specifying the required PATH option and suboption.

System programmer response: If the RUP is being used for asynchronous data propagation, find out if the RUP’s caller omitted the concatenated key.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR010X

EKYR018E PATH DATA FOR REPL/ISRT NOT PROVIDED BY RUP CALLER;
DBD=dbdname SEG=segment PR=prid
PRSET=prset

Explanation: The data provided to the RUP for an IMS replace or insert operation does not include the data of the physical parent/ancestors of the deleted segment. The PR mapping definitions require the data of the physical parent/ancestors.

One possible reason for this error is that the EXIT= specifications of DBDGEN do not include the required PATH option.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Determine if the EXIT= keyword of DBDGEN specified the PATH option. If not, consider specifying the required PATH option.

System programmer response: If the RUP is being used for asynchronous data propagation, find out if the RUP’s caller omitted the concatenated key.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR010X

EKYR050E REQUIRED CONCATENATED KEY NOT PROVIDED BY RUP CALLER
DBD=dbdname SEG=segment PR=prid
PRSET=prset

Explanation: The XPCB control block provided by the

RUP’s caller does not contain a pointer to the concatenated key of the changed IMS segment. The PR mapping definitions require the concatenated key.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Find out if the EXIT= keyword of DBDGEN specified a NOKEY option. If this is the case, consider specifying a KEY option.

System programmer response: If the RUP is being used for asynchronous data propagation, find out if the RUP’s caller omitted the concatenated key.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR010X

EKYR051E SEGMENT DATA FOR REPL/ISRT NOT PROVIDED BY RUP CALLER
DBD=dbdname SEG=segment PR=prid
PRSET=prset

Explanation: The XPCB provided by the RUP’s caller does not contain a pointer to an XSDB describing the data of the changed IMS segment. The PR mapping definitions require the segment data.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check whether the EXIT= keyword of DBDGEN specified a NODATA option. If this is the case, consider specifying a DATA option.

System programmer response: If the RUP is being used for asynchronous data propagation, find out if the RUP’s caller omitted the segment data.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR010X

EKYR052E SEGMENT DATA FOR DLET NOT PROVIDED BY RUP CALLER
DBD=dbdname SEG=segment PR=prid
PRSET=prset

Explanation: The XPCB provided by the RUP’s caller does not point to an XSDB describing the data of the

changed IMS segment. The PR definition requires the segment data.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check whether the EXIT= keyword of DBDGEN specified a NODATA option. If this is the case, consider specifying a DATA option.

System programmer response: If the RUP is being used for asynchronous data propagation, find out if the RUP's caller omitted the segment data.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR010X

**EKYR053E UNEXPECTED LENGTH OF FULLY
CONCATENATED KEY DBD=dbdname
SEG=segment PR=prid PRSET=prset**

Explanation: The length of the fully concatenated segment key provided by the RUP's caller does not match the length of the fully concatenated segment key determined by DPROP during the PR definition.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check whether the IMS database has changed since the PR was generated. If this is the case, generate the PR again with the current DBDLIB.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR010X

**EKYR054E UNEXPECTED LENGTH OF SEGMENT
DBD=dbdname SEG=segment PR=prid
PRSET=prset**

Explanation: The length of the segment data provided by the RUP's caller does not match the length of the segment data determined by DPROP during the PR definition.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more

information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check whether the IMS database has changed since the PR was generated. If this is the case, generate the PR again with the current DBDLIB.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR010X

**EKYR055E INVALID PRCB: ZERO RFLS FOR A PR
DBD=dbdname SEG=segment PR=prid
PRSET=prset**

Explanation: A PR definition in a PRCB control block has no RFL control block entries.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

**EKYR056E FIELD DOES NOT FIT WITHIN DL/I
FULLY CONCATENATED KEY
DBD=dbdname SEG=segment
FIELD=field COL=column PR=prid
PSB=psbname**

Explanation: The specified field starts within the IMS fully concatenated key but is not totally contained within the fully concatenated key (for example, the end of the field is beyond the end of the IMS fully concatenated key). Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the field length in the field definition provided during PR generation to determine why the fully concatenated key does not contain the entire field.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR057E FIELD DOES NOT FIT WITHIN
SEGMENT DBD=*dbdname*
SEG=*segment* FIELD=*field* COL=*column*
PR=*prid* PSB=*psbname*

Explanation: The specified field is not totally contained within the segment data (for example, the end of the field is beyond the end of the segment).

For variable-length segments and variable-length fields, the RUP expects the field to be totally contained in the segment or totally missing (for example, the start position of the field is beyond the end of the segment). The RUP does not support fields that start within the segment and continue beyond the end of the segment. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the field length and segment length in the definitions provided during the PR generation to determine why the segment does not totally contain the field.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR058E A FIELD MAPPING TO A COLUMN OF
THE DB2 PRIMARY KEY IS NOT
WITHIN THE DL/I DATA AVAILABLE TO
RUP DBD=*dbdname* SEG=*segment*
FIELD=*field* COL=*column* PR=*prid*
PSB=*psbname*

Explanation: The RUP needs the data of all fields that are mapped to the DB2 primary key of the DB2 target. The data of the field identified in the message was not available to the RUP. This can happen with variable-length segments if a segment occurrence is not large enough to contain the identified field. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Determine why the data of

the identified field is not available to the RUP. If the problem is caused by an IMS segment that is too short, correct the application. If the segment is normally short, consider changing the mapping and table definitions to contain all fields mapped to the primary DB2 key in all segment occurrences.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR059E A FIELD MAPPING TO A COLUMN OF
THE DB2 PRIMARY KEY IS NOT
TOTALLY WITHIN THE REPLACED
SEGMENT DBD=*dbdname*
SEG=*segment* FIELD=*field* COL=*column*
PR=*prid* PSB=*psbname*

Explanation: When the RUP propagates the replacement of segments, the data of all fields that are mapped to the primary key of the DB2 table need to be in the *before-replace image* of the changed segment. The data of the field identified in the message was not available to the RUP. This can happen with variable-length segments if a segment occurrence is not large enough to contain the identified field. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Determine why the field is not contained in the segment occurrence. If the problem is caused by an segment that is too short, correct the IMS database. If the segment is normally short, consider changing the mapping and table definitions to contain all fields mapped to the primary DB2 key in all segment occurrences.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR060E A FIELD MAPPING TO A COLUMN OF
THE DB2 PRIMARY KEY HAS
CHANGED ITS VALUE DBD=*dbdname*
SEG=*segment* FIELD=*field* COL=*column*
PR=*prid* PSB=*psbname*

Explanation: While propagating the replacement of segments, the RUP checks that the value of all fields

that are mapped to the DB2 primary key of the DB2 table are not changed. The value of the field identified in the message was changed. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Determine why the application changed the value of the field.

If the application should not change the value of the field, correct the application. If the application should change the value of the field, consider changing the mapping definitions and/or table definitions so that no fields mapped to the primary DB2 key are changed during replace operations.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

**EKYR061E UNEXPECTED ERROR DBD=dbdname
SEG=segment PR=prid PRSET=prset**

Explanation: This is an internal DPROP error. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Call the IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

**EKYR062E A FIELD MAPPING TO A DB2 COLUMN
DEFINED AS 'NOT NULL' IS NOT
WITHIN THE DL/I DATA AVAILABLE TO
RUP DBD=dbdname SEG=segment
FIELD=field COL=column PR=prid
PSB=psbname**

Explanation: DPROP requires that all fields mapping to DB2 columns defined with the NOT NULL attribute are available to the RUP for propagation. The field

identified in the message was not available to the RUP. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions and the DB2 table definitions.

Make sure that all fields being mapped to a DB2 column defined as NOT NULL are available to the RUP. For example, if the segment has a variable length, make sure that fields that are not always contained in the existing portion of short segments are mapped to DB2 columns defined as nullable or as NOT NULL WITH DEFAULT.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

**EKYR063E A FIELD IN A DL/I EXTENSION
SEGMENT IS MAPPED TO A DB2
COLUMN DEFINED AS 'NOT NULL'
DBD=dbdname SEG=segment
FIELD=field COL=column PR=prid
PSB=psbname**

Explanation: DPROP requires that fields located in extension segments of mapping case 2 PRs are mapped to DB2 columns that are defined either as nullable or as NOT NULL WITH DEFAULT. The field identified in the message is being mapped to a DB2 column defined as NOT NULL. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions and the DB2 table definitions.

Make sure that all fields located in extension segments are mapped to DB2 columns defined as nullable or as NOT NULL WITH DEFAULT.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR064E **LENGTH OF A VARIABLE LENGTH GRAPHIC FIELD IS NOT EVEN**
DBD=dbdname SEG=segment
L-FIELD=field COL=column PR=prid
PSB=psbname

Explanation: DPROP requires that the value of the length field of a variable length graphic field be even. The length field identified in L-FIELD= of the message has an odd value. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions.

Make sure that all length fields of variable-length graphic fields have even values. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR065E **A FIELD THAT SHOULD NOT CHANGE HAS CHANGED ITS VALUE**
DBD=dbdname SEG=segment
FIELD=field COL=column PR=prid
PSB=psbname

Explanation: While propagating the replacement of segments, the RUP checks that the value of fields that should not change their value are effectively not changing their value. The value of the field identified in the message was changed. Message EKYR098I describes one or more reasons why the identified field should not change its value. Message EKYR600I identifies the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Determine why the application changed the value of the field.

If the application should not change the value of the field, correct the application. If the application should change the value of the field, consider changing the

mapping definitions so that the field may change its value during replace operations.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR066E **THE LENGTH OF A VARIABLE LENGTH FIELD EXCEEDS DEFINED MAXIMUM**
DBD=dbdname SEG=segment
FIELD=field COL=column PR=prid
PSB=psbname

Explanation: The length value of a variable-length field is larger than the defined maximum field length. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions.

Make sure that all length fields have valid values. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR067E **THE LENGTH OF A VARIABLE LENGTH FIELD EXCEEDS DEFINED MAXIMUM**
DBD=dbdname SEG=segment
L-FIELD=field COL=column PR=prid
PSB=psbname

Explanation: The length value (stored in the field identified by L-FIELD=) of a variable-length field is larger than the defined maximum field length. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions.

Make sure that all length fields have valid values. If necessary, request that the application programs and/or

the IMS database be corrected.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

**EKYR068E INVALID VALUE IN THE RFLDEFTC FIELD OF THE PRCB DBD=dbname
SEG=segment PR=prid PRSET=prset**

Explanation: This is probably an internal DPROP error. The RUP detected an invalid value in the internal RFLDEFTC field of the DPROP PRCB control block. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check whether storage was overlaid by non-IBM programs. If it was not, report the problem to the IBM Software Support.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR200X, EKYR020X, EKYR030X, EKYR040X and EKYR060X

**EKYR069E INVALID VALUE IN THE RFLCONVC FIELD OF THE PRCB DBD=dbname
SEG=segment PR=prid PRSET=prset**

Explanation: This is probably an internal DPROP error. The RUP detected an invalid value in the internal RFLCONVC field of the DPROP PRCB control block. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check whether storage was overlaid by non-IBM programs. If it was not, report the problem to the IBM Software Support.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR200X, EKYR020X, EKYR030X, EKYR040X and EKYR060X

**EKYR070E NONNUMERIC VALUE IN A FIELD
DEFINED AS NUMERIC DBD=dbname
SEG=segment FIELD=field COL=column
PR=prid PSB=psbname**

Explanation: A field defined as being numeric contains a nonnumeric value. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions.

Make sure that all fields have valid values. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

**EKYR071E VALUE OF FIELD DOES NOT FIT INTO
BINARY TARGET DBD=dbname
SEG=segment FIELD=field COL=column
PR=prid PSB=psbname**

Explanation: The value of a field does not fit into the target DB2 column. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions.

Make sure that all fields have valid values. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR072E VALUE OF FIELD DOES NOT FIT INTO
SMALLINT COLUMN DBD=*dbdname*
SEG=*segment* FIELD=*field* COL=*column*
PR=*prid* PSB=*psbname*

Explanation: The value of a field does not fit into the target DB2 column. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions.

Make sure that all fields have valid values. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR073E VALUE OF FIELD DOES NOT FIT INTO
INTEGER COLUMN DBD=*dbdname*
SEG=*segment* FIELD=*field* COL=*column*
PR=*prid* PSB=*psbname*

Explanation: The value of a field does not fit into the target DB2 column. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions.

Make sure that all fields have valid values. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR074E UNEXPECTED ERROR: COLUMN
CANNOT HAVE A ZONED FORMAT
DBD=*dbdname* SEG=*segment*
FIELD=*field* COL=*column* PR=*prid*
PSB=*psbname*

Explanation: A PRCB control block requests mapping to a DB2 column with a zoned format. DB2 columns cannot be defined as having a zoned format. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check whether storage was overlaid by non-IBM programs. If it was not, report the problem to the IBM Software Support.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR075E VALUE OF FIELD DOES NOT FIT INTO
TARGET NUMERIC COLUMN
DBD=*dbdname* SEG=*segment*
FIELD=*field* COL=*column* PR=*prid*
PSB=*psbname*

Explanation: The value of a field does not fit into the target DB2 column. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions.

Make sure that all fields have valid values. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR076E VALUE OF FIELD DOES NOT FIT INTO
TARGET CHARACTER OR GRAPHIC
COLUMN DBD=*dbdname* SEG=*segment*
FIELD=*field* COL=*column* PR=*prid*
PSB=*psbname*

Explanation: A field is too long to fit into the target DB2 column. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions.

Make sure that none of the fields is too long. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

**EKYR077E VALUE OF LENGTH FIELD IS
NEGATIVE DBD=dbdname
SEG=segment L-FIELD=field
COL=column PR=prid PSB=psbname**

Explanation: The value of a length field is negative. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions.

Make sure that none of the length fields contains negative values. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

**EKYR078E INVALID DATE DBD=dbdname
SEG=segment FIELD=field COL=column
PR=prid PSB=psbname**

Explanation: The RUP detected an invalid date value in a field. The error can either be in the date portion of a timestamp field or in a date field. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions.

Make sure that all date fields contain valid values. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

**EKYR079E INVALID TIME DBD=dbdname
SEG=segment FIELD=field COL=column
PR=prid PSB=psbname**

Explanation: The RUP detected an invalid time value in a field. The error can either be in the time portion of a timestamp field or in a time field. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions.

Make sure that all time fields contain valid values. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

**EKYR080E INVALID TIMESTAMP DBD=dbdname
SEG=segment FIELD=field COL=column
PR=prid PSB=psbname**

Explanation: The RUP detected an invalid time stamp value in a field. Message EKYR600I may identify the fully concatenated key of the affected segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions.

Make sure that all time stamp fields contain valid values. If necessary, correct the application programs and/or the IMS database.

Problem determination: Save any trace records

created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR081E THE LENGTH OF A VARIABLE LENGTH FIELD IS MISSING DBD=*dbdname*
SEG=*segment* FIELD=*field* COL=*column*
PR=*prid* PSB=*psbname*

Explanation: The length of a variable-length field was not available in the captured IMS data. This type of error can happen if an occurrence of a variable-length segment contains a variable-length VC/VG field but no length field of the VC/VG field. For a VC/VG field contained within a particular occurrence of a variable-length segment, the RUP expects that the length field is also contained in the segment occurrence.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions.

Determine why the length field is not contained within the segment occurrence. If necessary, correct the application programs and/or the IMS DB.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR082E A VARIABLE LENGTH FIELD WITH NONZERO LENGTH IS MISSING DBD=*dbdname* SEG=*segment*
FIELD=*field* COL=*column* PR=*prid*
PSB=*psbname*

Explanation: A variable-length field with a nonzero length was not available in the captured IMS data. This type of error can happen if an occurrence of a variable-length segment contains the length field of a VC/VG field but does not contain the VC/VG field. If the length field of a VC/VG field is contained within a particular segment occurrence and has a nonzero value, then the RUP expects that the VC/VG field is also contained in the segment occurrence.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions.

Determine why the VC/VG field is not contained in the segment occurrence but its length field has a nonzero value. Correct the application programs and/or the IMS DB.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR083E UNEXPECTED RESULT OF WHERE CLAUSE EVALUATION DBD=*dbdname*
SEG=*segment* PR=*prid* PRSET=*prset*

Explanation: The RUP's evaluation of the WHERE clause of a mapping case 2 PR provided an unexpected result.

The most likely reason for this error is that a field of the entity segment included in the WHERE clause changed its value during an IMS replace.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR084E A FIELD LOCATED IN PATH-DATA IS EITHER MISSING OR MAPPED TO A DB2 NULL. DBD=*dbdname*
SEG=*segment* FIELD=*field* COL=*column*
PR=*prid* PSB=*psbname*

Explanation: For PRs defined with PATH=DENORM, the following type of fields located in a parent or ancestor of the entity segment cannot be missing or mapped to a DB2 NULL:

- Fields mapped to a column defined to DB2 as NOT NULL.
- Fields mapped to a column defined to DB2 as being nullable.
- Fields mapped to a DATE, TIME, or TIMESTAMP column.

However, the field identified in message EKYR084E was either missing or mapped to a DB2 NULL. Possible reasons for this error are:

- The field was located beyond the current-end of a variable length segment

- A user field exit routine mapped the field value to a DB2 NULL

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions.

If a field propagated as path-data is located in a variable-length segment, make sure that

- The field is contained in the existing portion of every segment occurrence, or
- The target DB2 column is defined as NOT NULL WITH DEFAULT and is not a DATE, TIME or TIMESTAMP column.

If the field is processed by a Field exit Routine, make sure the routine does not request mapping to a DB2 NULL.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR085E INVALID VALUE IN OCCURRENCE FIELD OF AN INTERNAL SEGMENT
DBD=*dbdname* **SEG=***segment*
FIELD=*field* **COL=***column* **PR=***prid*
PSB=*psbname*

Explanation: The field containing the numeric number of occurrences of an internal segment contains an invalid value.

Possible errors are:

- The occurrence field contains a negative value
- The internal entity segment has more than one occurrence, even though it does not contain any identification field mapped to a column of the DB2 primary key.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions, the optional Segment exit routine (if any) that processes the containing IMS segment, and the data of the containing IMS segment.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR086E FIRST OCCURRENCE OF AN INTERNAL SEGMENT DOES NOT START WITHIN THE CONTAINING IMS SEGMENT
DBD=*dbdname*
SEG=*segment* **PR=***prid* **PRSET=***prset*

Explanation: The start address of the first occurrence of an internal segment is not within the containing IMS segment.

Typically, DPROP trace records include the containing IMS segment and any internal start segments located before the occurrence of the internal segment that does not start in the containing IMS segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions, the optional Segment exit routine (if any) that processes the containing IMS segment, and the data of the containing IMS segment.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR087E SEGMENT DATA NOT PROVIDED BY RUP CALLER
DBD=*dbdname*
SEG=*segment* **PR=***prid* **PRSET=***prset*

Explanation: The XPCB provided by the RUP's caller does not contain a pointer to an XSDB describing the data of the changed IMS segment. The PR mapping definitions require the segment data.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check whether the DBDGEN EXIT= keyword specified a NODATA option. If so, consider specifying a DATA option.

System programmer response: If the RUP is being used for asynchronous data propagation, find out if the RUP's caller omitted the segment data.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

**EKYR088E TOO MANY OR TOO LARGE INTERNAL SEGMENTS DBD=dbname
 SEG=segment PR=prid PRSET=prset**

Explanation: The RUP does not have enough virtual storage available to process all internal segments contained in a changed IMS segment.

Either the number of internal segments is excessive and/or the total length of the ID fields is excessive.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions, the optional Segment exit routine (if any) that processes the containing IMS segment, and the data of the containing IMS segment.

If the number of occurrences of the internal segment is variable, check the value of the count field containing the actual number of occurrences.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

**EKYR089E AN INTERNAL SEGMENT DOES NOT START WITHIN THE CONTAINING IMS SEGMENT DBD=dbname
 SEG=segment PR=prid PRSET=prset**

Explanation: The start address of the nth ($n \geq 2$) occurrence of an internal segment is not within the containing IMS segment.

Typically, DPROP trace records include the containing IMS segment and previous occurrences of all internal segments located in the containing IMS segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions, the optional Segment exit routine (if any) that processes the containing IMS segment, and the data of the containing IMS segment.

Problem determination: Save any trace records created by DPROP in the IMS log or on the

//EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

**EKYR090E AN INTERNAL SEGMENT DOES NOT END WITHIN THE CONTAINING IMS SEGMENT DBD=dbname
 SEG=segment PR=prid PRSET=prset**

Explanation: The end address of an internal segment is not within the containing IMS segment.

Typically, DPROP trace records include the containing IMS segment, previous occurrences of all internal segments located in the containing IMS segment, and the occurrence of the internal segment that does not end within the containing IMS segment.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Check the PR definitions, the optional Segment exit routine (if any) that processes the containing IMS segment, and the data of the containing IMS segment.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

**EKYR091E UNEXPECTED CALL OF EKYRUP00 BY ANOTHER DPROP COMPONENT DBD=dbname
 SEG=segment PR=prid PRSET=prset**

Explanation: This is probably an internal DPROP error. The DPROP module EKYRUP00 got an unexpected call from another DPROP component.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR092E PR IS DEFINED AS RH-ONLY - IMS COPY OF PROPAGATED DATA MUST NOT BE UPDATED DBD=dbname SEG=segment PR=prid PRSET=prset

Explanation: The PR with the identified *prid* was defined with MAPDIR=RH. This means that only relational-to-hierarchical propagation is performed and implies that only the DB2 copy of the propagated data is updated. The IMS copy of the propagated data should not be updated.

Despite the MAPDIR=RH definition, DPROP was called to propagate an update to the IMS copy of the data.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Consider defining the PR with MAPDIR=TW, if you need to update and propagate the IMS copy of the propagated data.

If you need to update the IMS copy of the data on an exception basis (for example, for a data repair action), you can combine the PROP OFF control statement in //EKYIN and the SCU ALLOWPROPOFF control statement.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR990X, EKYR020X, EKYR030X, EKYR040X and EKYR060X

EKYR093E SEGMENT OCCURRENCE PROPAGATED BY MORE THAN ONE TYPE=E PR DBD=dbname SEG=segment PR=prid PRSET=prset

Explanation: DPROP requires that one particular segment occurrence be propagated by at most one TYPE=E PR. If more than one TYPE=E PR with a WHERE clause propagates the same segment type, then the WHERE clauses of these multiple PRs must be specified so that each particular segment occurrence is propagated by at most one PR.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Correct the definitions of the WHERE clauses of your TYPE=E PRs so that one particular segment occurrence is propagated by at most one PR.

Problem determination: Save any trace records

created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR020X

EKYR095E WRITING OF ERROR MESSAGES ON THIS MEDIUM HAS BEEN SUPPRESSED

Explanation: After a propagation error occurs, messages are written to different mediums:

- print file
- log
- audit
- upon console

This message informs, that further messages, on the medium where it is issued, will be suppressed.

Severity: Error

Programmer response: You may change the behavior on propagation errors by using the FAILURES control statement of the apply program.

Module: EKYI362X

EKYR098I reason1, reason2, reason3, reason4

Explanation: This message is issued with other messages to identify a particular field whose value has changed when it should not have changed.

Message EKYR098I provides up to four reasons that the field should not change its value. The four possible reasons are:

ID-FIELD

The field is an ID field of a TYPE=E PR

IN PATH=ID DATA

The field is located within data of a parent or ancestor segment of the entity segment of the PR. The PR was defined with PATH=ID

IN WHERE-CLAUSE AND PATH DATA

The field is used in the WHERE clause of the PR and is located in a parent or ancestor of the entity segment of the PR.

IN WHERE-CLAUSE AND MC-2 ENTITY

The field is used in the WHERE clause of the PR and is located in the entity segment of a mapping case 2 PR.

Severity: Information.

Programmer response: Determine why the field changed its value.

If the application is not allowed to change the field value, correct the application programs. If the application is allowed to change the field value, change the PR definition.

Module: EKYR380X

**EKYR099I THE ERROR OCCURRED WHILE
PROCESSING THE SEGMENT IMAGE
BEFORE THE REPLACE**

Explanation: This message is written with other messages to identify a particular problem. It indicates that the problem occurred while processing the segment image before the replace.

Severity: Information.

Programmer response: Check previously written Messages.

Module: EKYR380X

**EKYR100E ERRORS WHILE READING THE PRCB
FROM DPRCBT TABLE DBD=*dbdname*
SEG=*segment***

Explanation: The RUP was not able to read the PRCB from the DPRCBT table of the DPROP directory. The message identifies the involved DBD and segment type. Before issuing this message, DPROP issues other error messages describing the problem.

Severity: Error.

System action: The DPROP action depends on the type of error encountered. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check previous error messages issued by the same job step.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR100X

**EKYR101E ERRORS WHILE LOADING A
PROPAGATION USER EXIT ROUTINE
DBD=*dbdname* SEG=*segment* PR=*prid*
MODULE=*module***

Explanation: The RUP was not able to load a Propagation exit routine. The variable *module* identifies the load module name of the exit that could not be loaded.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check previous error messages describing why the exit routine could not be loaded.

Module: EKYR100X

**EKYR102E ERRORS WHILE LOADING SQL
UPDATE MODULE DBD=*dbdname*
SEG=*segment* PR=*prid*
MODULE=*module***

Explanation: The RUP was not able to load the SQL update module associated with a PR. The variable *module* identifies the name of the SQL update module that could not be loaded.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check previous error messages to find out why the SQL update module could not be loaded.

Module: EKYR100X

**EKYR103E UNEXPECTED SAVEID IN SQL UPDATE
MODULE DBD=*dbdname* SEG=*segment*
PR=*prid* MODULE=*module***

Explanation: After loading SQL update modules, the RUP checks the SAVEID at the beginning of each module to make sure that it is a correct DPROP SQL update module. While checking, the RUP detected an invalid SAVE ID. This can happen if the installation has other modules with the same name as SQL update modules. The variable *module* identifies the load module that has an invalid SAVEID.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Make sure that the PR IDs are not the same as the names of other load modules.

Module: EKYR100X

**EKYR104E SQL UPDATE MODULE GENERATED
BY INCOMPATIBLE DPROP LEVEL
DBD=*dbdname* SEG=*segment* PR=*prid*
MODULE=*module***

Explanation: An SQL update module was generated by a DPROP software level that is not compatible with the executing DPROP software level. The variable *module* identifies the load module that was generated by an incompatible DPROP software level.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more

information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: If necessary, use the appropriate DPROP utility function to generate a new version of the SQL update module. Determine why DPROP was loading the SQL update module generated by an incompatible DPROP software level.

Module: EKYR100X

EKYR105E UNEXPECTED PR ID IN SAVEID OF SQL UPDATE MODULE DBD=*dbdname*
SEG=*segment* PR=*prid*
MODULE=*module*

Explanation: The SAVEID of an SQL update module contained an invalid PR ID. The PR ID in the SQL update module should match the load module name of the SQL update module. The variable *module* identifies the load module name of the SQL update module.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: Determine why the PR ID in the SAVE ID of the SQL update module does not match the load module name of the SQL update module. If necessary, use the MVGU to recreate the SQL update module.

Module: EKYR100X

EKYR106E UNEXPECTED TIMESTAMP IN SQL UPDATE MODULE DBD=*dbdname*
SEG=*segment* PR=*prid*
MODULE=*module* PRCB=*timestamp*
SQLU=*timestamp*

Explanation: The RUP checks that SQL update modules and PRCBs in the DPROP directory are at the same level by comparing PR time stamps. While checking, the RUP detected a mismatch between the PR time stamps in the SAVE ID of the SQL update module and the PRCB read from the DPROP directory/VLF. The variable *module* identifies the load module name of the SQL update module. The message also shows the PR time stamp in the PRCB and the PR time stamp in the SAVEID of the SQL update module.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: Determine why the PR time stamps in the PRCB and the SQL update module do not match. If necessary, use the MVGU to recreate the SQL update module and/or the PRCBs.

Module: EKYR100X

EKYR107E ERRORS WHILE RELOADING SQL UPDATE MODULE DBD=*dbdname*
SEG=*segment* PR=*prid*
MODULE=*module*

Explanation: The RUP encountered an error while attempting to load a new version of an SQL update module. The variable *module* identifies the load module name of the SQL update module that could not be loaded.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: Check previous error messages describing why the SQL update module could not be loaded.

Module: EKYR100X

EKYR108E PR IS MARKED AS INVALID IN THE PRCB CONTROL BLOCK
DBD=*dbdname* SEG=*segment* PR=*prid*

Explanation: The RUP detected a PR marked as invalid while the PRCB for the identified DBD and segment type was being built by a DPROP utility function.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: Check error messages written during execution of the DPROP utility function that created the PRCB. These error messages should describe the errors detected while processing the PRs.

Module: EKYR100X

EKYR109E ERRORS WHILE LOADING A SEGMENT USER EXIT DBD=*dbdname*
SEG=*segment* PR=*prid*
MODULE=*module*

Explanation: The RUP was not able to load a Segment exit routine. The variable *module* identifies the load module name of the Segment exit routine that could not be loaded.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more

information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: Check previous error messages describing why the exit routine could not be loaded.

Module: EKYR100X

**EKYR110E ERRORS WHILE LOADING A FIELD
USER EXIT DBD=*dbdname*
SEG=*segment* PR=*prid*
MODULE=*module***

Explanation: The RUP was not able to load a Field exit routine. The variable *module* identifies the load module name of the Field exit routine that could not be loaded.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: Check previous error messages describing why the exit routine could not be loaded.

Module: EKYR100X

**EKYR111E PTD DOES NOT POINT TO A VALID
PRIDLIST**

Explanation: An internal error has occurred. When the RUP is called by the Receiver during asynchronous propagation, it passes the address of a list of PRs to be treated as active for the current run. The RUP has determined that the address passed does not point to a valid list.

Severity: Error.

System action: The error is handled according to the RUP logic for programming errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Check whether storage was overlaid by non-IBM programs.

If it was not, report the problem to the IBM Software Support.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR100X

**EKYR150E INVALID STATUS IN STATUS FILE
RECORD**

Explanation: The RUP found an invalid status in the record of the DPROP status file.

Severity: Error.

System action: DPROP abends.

System programmer response: Check that the data set allocated to //EKYSTATF is a DPROP status file initialized by the DPROP SCU. If it is, call the IBM Software Support for assistance.

Problem determination: Save the //SYSABEND or //SYSUDUMP dump.

Module: EKYR150X

**EKYR151E ERROR WHILE ACCESSING THE
STATUS FILE RECORD**

Explanation: The RUP encountered an error while attempting to read the record of the DPROP status file.

Severity: Error.

System action: DPROP abends.

System programmer response: Check for previous error messages issued by the same job step.

Problem determination: Save the //SYSABEND or //SYSUDUMP dump.

Module: EKYR150X

**EKYR152E ERROR WHILE (RE-) INITIALIZING CIA
COMPONENT OF DPROP**

Explanation: The RUP encountered an error while attempting to initialize or re-initialize the CIA component of DPROP.

Severity: Error.

System action: This depends on the type of error. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: Check for previous error messages issued by the same job step.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR150X

**EKYR200E MISSING OR UNEXPECTED
DSECTMWC CONTROL BLOCK
DBD=*dbdname* SEG=*segment* PR=*prid*
PRSET=*prset***

Explanation: This is probably an internal DPROP error. The RUP detected that the DPROP DSECTMWC

control block was either missing or had an invalid format in the DPROP PRCB control block.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check whether storage was overlaid by non-IBM programs. If it was not, report the problem to the IBM Software Support.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR200X

EKYR201E UNEXPECTED RETURN FROM OTHER DPROP MODULE DBD=*dbdname*
SEG=*segment* PR=*prid* PRSET=*prset*

Explanation: This is probably an internal DPROP error. The RUP detected an unexpected return from another DPROP module.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check whether storage was overlaid by non-IBM programs. If it was not, report the problem to the IBM Software Support.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR200X

EKYR202E INVALID VALUE IN THE MWCRCO FIELD OF THE PRCB DBD=*dbdname*
SEG=*segment* PR=*prid* PRSET=*prset*

Explanation: This is probably an internal DPROP error. The RUP detected an invalid value in the internal MWCRCO field of the DPROP PRCB control block.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check whether storage was overlaid by non-IBM programs. If it was not, report the problem to the IBM Software Support.

Problem determination: Save any trace records

created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR200X

EKYR203E INVALID VALUE IN THE MWCROPR FIELD OF THE PRCB DBD=*dbdname*
SEG=*segment* PR=*prid* PRSET=*prset*

Explanation: This is probably an internal DPROP error. The RUP detected an invalid value in the internal MWCROPR field of the DPROP PRCB control block.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Check whether storage was overlaid by non-IBM programs. If it was not, report the problem to the IBM Software Support.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR200X

EKYR300E INVALID REASON CODE,
PTDRERSC=*reasoncode*

Explanation: The RUP error handler was called with an invalid code in field PTDRERSC.

Severity: Error.

System action: DPROP abends.

System programmer response: Call the IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR300X

EKYR363E UNRECOGNIZED DL/I STATUS
CODE=*stc* AFTER ROLB CALL

Explanation: The RUP found an unrecognized IMS status code after issuing a DL/I ROLB call. This status code is identified in the message. For an explanation of the DL/I status code, see IMS/ESA Application Programming: DL/I Calls.

Severity: Error.

System action: DPROP abends.

Problem determination: Save any trace records created by DPROP in the IMS log or on the

//EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR360X

**EKYR364E UNRECOGNIZED DL/I STATUS
CODE=*stc* AFTER ROLS CALL**

Explanation: The RUP found an unrecognized DL/I status code after issuing a DL/I ROLS call. This status code is identified in the message. For an explanation of the DL/I status code, see IMS/ESA Application Programming: DL/I Calls.

Severity: Error.

System action: DPROP abends.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR360X

**EKYR365I DPROP IS ISSUING A DL/I ROLB CALL
FOR PSB=*psbname***

Explanation: Because of an error described in previous messages, DPROP issues a DL/I ROLB call to trigger the rollback of the updates made by the current unit of work.

Severity: Information.

System action: DL/I processes the ROLB call.

System programmer response: See previously issued messages that describe why DPROP is issuing a ROLB call. If executing in a batch region, you should use IMS disk logging and the BKO=Y parameter in the IMS batch JCL procedure. If you don't, the DL/I ROLB call may fail.

Module: EKYR360X

**EKYR366I DPROP IS ISSUING A DL/I ROLS CALL
FOR PSB=*psbname***

Explanation: Because of an error described in previous messages, DPROP issues a DL/I ROLS call to trigger the rollback of the updates made by the current unit of work.

Severity: Information.

System action: DL/I processes the ROLS call.

System programmer response: See previously issued messages that describe why DPROP is issuing a ROLS call.

Module: EKYR360X

**EKYR367I DPROP IS ISSUING AN ABEND FOR
PSB=*psbname***

Explanation: Because of an error described in previous messages, DPROP issues an abend.

Severity: Information.

System action: DPROP abends.

System programmer response: See previously issued messages that describe why DPROP is issuing an abend.

Module: EKYR360X

**EKYR368I DPROP IS ISSUING AN ABEND FOR
FAILURE CATEGORY=*CATEGORY*,
CONSIDER TO USING A FAILURE
CONTROL STATEMENT**

Explanation: A propagation error of the indicated category occurred in the MQ-ASYNC apply program. Because the MQ message will remain in the queue, a restart of the apply would reproduce the propagation error and the abend. Therefore, you should consider the use of the FAILURE control statement of the MQ-ASYNC apply program to accept such errors.

Severity: Information

System action: DPROP abends.

System programmer response: Unless you know about the errors on the target copy and are able to handle them, you should consider to use the FAILURE control statement. You can increase the threshold accepted by the apply program; this allows propagation errors of this category be accepted.

Module: EKYR360X

EKYR369I DPROP IS ISSUING AN ABEND

Explanation: Because of an error described in previous messages, DPROP issues an abend.

Severity: Information

System action: DPROP abends.

System programmer response: See previously issued messages that describe why DPROP is issuing an abend.

Module: EKYR360X

EKYR410E 1ST CALL PARAMETER IS INVALID

Explanation: The first call parameter in the call of a DPROP exit routine to the DPROP tracer does not look like a trace control block (TRB).

Severity: Error.

System action: DPROP abends.

System programmer response: Check that the

DPROP exit routine that calls the DPROP tracer provides a properly initialized TRB as a first-call parameter. Make sure that the TRBEYE field at the beginning of the TRB was initialized with the eye catcher, TRB. Find the entry point of the DPROP exit routine by following the chain of save areas.

Module: EKYR410X

EKYR411E TRBPTD FIELD DOES NOT POINT TO THE PTD

Explanation: During calls from DPROP exit routines, the DPROP tracer checks whether the TRBPTD field of the trace control block (TRB) points to an area that looks like the PTD control block. The DPROP tracer did not find the TRB pointing to the PTD control block.

Severity: Error.

System action: DPROP abends.

System programmer response: Check that the DPROP exit routine that calls the DPROP tracer correctly initializes the TRBPTD field of the TRB. Find the entry point in the DPROP exit routine by following the chain of save areas in the dump.

Module: EKYR410X

EKYR420E TRACER HAS BEEN CALLED BY AN EXIT WITH INVALID PARAMETERS

Explanation: The call parameters used in a call from an exit routine to the DPROP tracer are invalid. An example of a possible error is a call with only one call parameter.

Severity: Error.

System action: DPROP abends.

System programmer response: Make sure the call parameters used to call the DPROP tracer are correct.

Problem determination: Save the //SYSABEND or //SYSUDUMP abend.

Module: EKYR420X

EKYR421E TRACE PARAMETER PROVIDED BY AN EXIT IS NOT A TED

Explanation: When calling the DPROP tracer, user exit routines should provide a DPROP TRB as the first call parameter; subsequent call parameters should be DPROP TED control blocks.

DPROP detected that a call parameter (other than the first call parameter) used in a call from an exit routine to the DPROP tracer is not a valid DPROP TED control block.

Severity: Error.

System action: DPROP abends.

System programmer response: Make sure the call parameters used to call the DPROP tracer are correct.

Problem determination: Save the //SYSABEND or //SYSUDUMP abend.

Module: EKYR420X

**EKYR450I 'PROP OFF' IS IN EFFECT --
PROPAGATION IS SUPPRESSED
PGM=*pgmname* DBD=*dbdname*
SEG=*segment* PR=*prid***

Explanation: A program is being executed with a PROP OFF control statement in the //EKYIN data set.

Severity: Information.

System action: DPROP does not propagate the updates performed by the current job step.

Module: EKYR450X

**EKYR451I 'PROP OFF' IN EFFECT --
PROPAGATION IS SUPPRESSED
JOB=*job* STEP=*step* PROCEDURE
STEP=*pstep***

Explanation: A program is being executed with a PROP OFF control statement in the //EKYIN data set.

Severity: Information.

System action: DPROP does not propagate the updates performed by the current job step.

Module: EKYR450X

**EKYR452I 'PROP SUSP' IS IN EFFECT --
PROPAGATION IS SUPPRESSED
PGM=*pgm* DBD=*dbdname* SEG=*segment*
PR=*prid***

Explanation: A program is being executed with PROP SUSP control statements in the //EKYIN data set.

Severity: Information.

System action: DPROP does not perform the propagation described by the PR identified in the message.

Module: EKYR450X

**EKYR453I 'PROP SUSP' IN EFFECT --
PROPAGATION OF SOME DATA
SUPPRESSED JOB=*job* STEP=*step*
PROCEDURE STEP=*pstep***

Explanation: A program is being executed with PROP SUSP control statements in the //EKYIN data set.

System action: DPROP does not perform the propagation described by the PRs that were suspended.

Severity: Information.

Module: EKYR450X

EKYR454E UNEXPECTED ERROR: INVALID CALL FUNCTION

Explanation: The internal DPROP module EKYR450X was called with an invalid call function.

Severity: Error.

System action: DPROP abends.

System programmer response: Call the IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYR450X

**EKYR501E THE FOLLOWING PR SHOULD NOT BE SUSPENDED FOR CURRENT STEP
DBD=dbdname SEG=segment PR=prid
PRSET=prset**

Explanation: The identified PR is flagged in the DPROP directory as suspended. However, the //EKYIN data set of the current job step does not contain a PROP SUSP control statement indicating that the current job step should be executed while the PR is suspended.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response:

- If you want the currently executing job step to execute while the identified PR is suspended, the //EKYIN data set should contain a PROP SUSP control statement requesting that the job step be executed only when the PR is suspended.
- If you don't want the currently executing job step to execute while the identified PR is suspended, the job step should be executed when the PR is not marked as suspended in the DPROP directory.

Operator response: Determine whether the currently executing job step should be executed while the identified PR is suspended.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR500X

**EKYR502E THE FOLLOWING PR SHOULD BE SUSPENDED FOR CURRENT STEP
DBD=dbdname SEG=segment PR=prid
PRSET=prset**

Explanation: The identified PR was not flagged in the

DPROP directory as suspended. However, PROP SUSP control statements in the //EKYIN data set of the current job step indicate that the job step should be executed while the identified PR is suspended.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for unavailable resources. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Programmer response:

- If you want the job step to execute while the identified PR is suspended, the SCU should be called to flag the appropriate PRs as suspended in the DPROP directory.
- If you don't want the job step to execute while the identified PR is suspended, remove the PROP SUSP control statements from the //EKYIN data set of the job step.

Operator response: Determine whether the currently executing job step should be executed while the identified PR is suspended.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR500X

EKYR600I FC KEY=fc-key

Explanation: The variable *fc-key* describes in hexadecimal format up to 50 bytes of the IMS fully concatenated key of a segment involved in a propagation failure. The propagation failure is described in previously written messages. If the first 50 positions of the IMS fully concatenated key are not sufficient, you can find the entire IMS fully concatenated key in the DPROP trace records written to the IMS log or to the //EKYTRACE data set.

Severity: Information.

System programmer response: Check previously written error messages.

Module: EKYR380X

**EKYR970I INFORMATION MESSAGE FROM USER
EXIT= exitn txt DBD=dbdname
SEG=segment FIELD=field COL=column
PR=prid**

Explanation: This message contains information provided by the Field exit routine identified in the message.

Severity: Information.

System programmer response: For information on Field exit routines, see the appropriate Administrators

Guide for your propagation mode and IMS DPROP Customization Guide.

Module: EKYR970X

EKYR971E *text*

Explanation: This message contains an error text provided by a Field exit routine. Message EKYR993E gives the name of the exit, the DBD name, the segment name, the field name, the PR ID, and the 2 low-order bytes of the return code provided by the exit routine.

Severity: Error.

System action: typically This depends on the return code provided by the exit; typically the error is handled according to the RUP logic for “other” errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: For information on Field exit routines, see the appropriate Administrators Guide for your propagation mode and IMS DPROP Customization Guide.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR970X

EKYR971E EXIT=EKYEXFL1 - SOURCE LENGTH NOT SPECIFIED - REQUIRED.

Explanation: The length of the source field was not available to the exit routine in the field UDTSBYTV of the UDT interface control block.

Severity: Error.

System action: The RUP uses its error handling logic for “other errors” as described in Appendix A, “RUP and HUP error handling,” on page 543.

Problem determination: If DPROP writes trace records to the IMS log or to the //EKYTRACE data set, save the trace records. If DPROP issues an abend, save the dump.

Module: the message The message text is provided by EKYEXFL1; the message number is provided by EKYR970X.

EKYR971E EXIT=EKYEXFL1 - SOURCE LENGTH EXCEEDS MAXIMUM ALLOWED.

Explanation: The length of the source field was greater than the maximum length supported by the exit routine. The maximum length of the source field supported by the sample exit routine is 16 bytes.

Severity: Error.

System action: The RUP uses its error handling logic

for “other errors” as described in Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Change the definition of the source field or adapt the exit routine.

Problem determination: If DPROP writes trace records to the IMS log or to the //EKYTRACE data set, save the trace records. If DPROP issues an abend, save the dump.

Module: the message The message text is provided by EKYEXFL1; the message number is provided by EKYR970X.

EKYR971E EXIT=EKYEXFL1 - TARGET LENGTH NOT SPECIFIED - REQUIRED

Explanation: The length of the target field was not available to the exit routine in the field UDTTBYTV of the UDT interface control block.

Severity: Error.

System action: The RUP uses its error handling logic for “other errors” as described in Appendix A, “RUP and HUP error handling,” on page 543.

Problem determination: If DPROP writes trace records to the IMS log or to the //EKYTRACE data set, save the trace records. If DPROP issues an abend, save the dump.

Module: the message The message text is provided by EKYEXFL1; the message number is provided by EKYR970X.

EKYR971E EXIT=EKYEXFL1 - TARGET LENGTH EXCEEDS MAXIMUM ALLOWED.

Explanation: The length of the target field was greater than the maximum length supported by the exit routine. The maximum length of the target field supported by the sample exit routine is 128 bytes.

Severity: Error.

System action: The RUP uses its error handling logic for “other errors” as described in Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Change the definition of the target field or adapt the exit routine.

Problem determination: If DPROP writes trace records to the IMS log or to the //EKYTRACE data set, save the trace records. If DPROP issues an abend, save the dump.

Module: The message text is provided by EKYEXFL1; the message number is provided by EKYR970X.

EKYR971E EXIT=EKYEXFL1 - TARGET DATA TYPE MUST BE CHARACTER.

Explanation: The data type of the target field was not specified as CHARACTER. This error occurs only when the sample exit routine is called by DXT/UIM for a definition call.

Severity: Error.

System action: See the appropriate DataRefresher or DXT documentation for information on how DXT handles a return code 4 from a user data type exit.

Programmer response: Correct the definition of the target field.

Module: The message text is provided by EKYEXFL1; the message number is provided by EKYR970X.

EKYR971E EXIT=EKYEXFL1 - TARGET SCALE MUST NOT BE SPECIFIED.

Explanation: A scale must not be defined for the target field. This error occurs only when the sample exit routine is called by DXT/UIM for a definition call.

Severity: Error.

System action: See the appropriate DataRefresher or DXT documentation for information on how DXT handles a return code 4 from a user data type exit.

Programmer response: Correct the definition of the target field.

Module: The message text is provided by EKYEXFL1; the message number is provided by EKYR970X.

EKYR971E EXIT=EKYEXFL1 - DATA TYPE CALL FUNCTION CANNOT BE IDENTIFIED

Explanation: The EKYEXFL1 sample exit routine was called with an invalid call function in the field UDTCALL of the UDT interface control block.

Severity: Error.

System action: The RUP abends.

Problem determination: Save the dump.

Module: The message text is provided by EKYEXFL1; the message number is provided by EKYR970X.

**EKYR972E TARGET COLUMN CANNOT BE SET TO 'NULL' DBD=dbdname
SEG=segment FIELD=field COL=column
PR=prid EXIT=exitn**

Explanation: The Field exit routine identified by EXIT= requests that the target column of the field identified by FIELD= be set to a DB2 NULL. However, the target DB2 column identified by COL= is not defined as nullable.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Make sure that either the target DB2 column is defined as nullable or the Field exit routine does not request that the target DB2 column be set to NULL.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR970X

**EKYR973E EXIT RETURNED AN INVALID FIELD LENGTH DBD=dbdname SEG=segment
FIELD=field COL=column PR=prid
EXIT=exitn**

Explanation: The Field exit routine identified by EXIT= returned an invalid field length. Examples of invalid field lengths are:

- A negative length
- For a fixed-length field, a length different from the defined fixed length
- For a variable-length field, a length larger than the defined maximum field length

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR970X

**EKYR974E EXIT MUST RETURN AN EVEN FIELD LENGTH FOR GRAPHIC FIELDS
DBD=dbdname SEG=segment
FIELD=field COL=column PR=prid
EXIT=exitn**

Explanation: The Field exit routine identified by EXIT= returned an odd length for a field defined as graphic or variable-length graphic. For graphic and variable-length graphic fields, the exit should return an even length.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: Save any trace records created by DPROP in the IMS log or on the

//EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR970X

EKYR980I INFORMATION MESSAGE FROM USER
EXIT= *exitn text* **DBD=***dbdname*
SEG=*segment* **PR=***prid*

Explanation: This message contains information provided by the Segment exit routine identified.

Severity: Information.

System programmer response: For information on Segment exit routines, see the appropriate Administrators Guide for your propagation mode and IMS DPROP Customization Guide.

Module: EKYR980X

EKYR981E *text*

Explanation: This message contains error text provided by a Segment exit routine. Message EKYR991E gives the name of the exit, the DBD name, segment name, PR ID, and the 2 low-order bytes of the return code provided by the exit routine.

Severity: Error.

System action: typically This depends on the return code provided by the exit; typically the error is handled by RUP logic for “other” errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: For information on Segment exit routines, see the appropriate Administrators Guide for your propagation mode and IMS DPROP Customization Guide.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR980X

EKYR981E EKYEXSE2-1E CALL FUNCTION NOT SUPPORTED

Explanation: The EKYEXSE2 sample exit routine was called with an invalid call function in field DAXCALL of the DAX interface control block.

Severity: Error.

System action: The RUP abends.

Problem determination: Save the dump.

Module: The message text is provided by EKYEXSE2; the message number is provided by EKYR980X.

EKYR981E EKYEXSE2-2E UNSUPPORTED DBD OR SEGNAME

Explanation: The EKYEXSE2 sample exit routine was called to format a segment type that it does not support.

Severity: Error.

System action: The RUP abends.

Programmer response: Change the PR definitions or adapt the exit routine.

Problem determination: Save the dump.

Module: The message text is provided by EKYEXSE2; the message number is provided by EKYR980X.

EKYR981E EKYEXSE2-3E UNEXPECTED LENGTH OF IMS SEGMENT

Explanation: The EKYEXSE2 sample exit routine was called to format a segment that does not have the expected length. A probable reason for this error is that the length of the segment in its IMS format was not properly declared in the IMS DBD and/or in the PR definitions.

Severity: Error.

System action: The RUP abends.

Problem determination: Save the dump.

Module: The message text is provided by EKYEXSE2; the message number is provided by EKYR980X.

EKYR981E EKYEXSE2-4E DPROP BUFFER IS TOO SHORT

Explanation: The EKYEXSE2 sample exit routine was called with an unexpected length of the DPROP segment buffer. A probable reason for this error is that the length of the segment in its DPROP format was not properly declared in the PR definitions.

Severity: Error.

System action: The RUP abends.

Problem determination: Save the dump.

Module: The message text is provided by EKYEXSE2; the message number is provided by EKYR980X.

EKYR981E EKYEXSE2-5E IMS SEGMENT BUFFER IS TOO SHORT

Explanation: The EKYEXSE2 sample exit routine was called with an unexpected length of the IMS segment buffer. Probable reason for this error is that the length of the segment in its IMS format was not properly declared in the IMS DBD and/or in the PR definitions.

Severity: Error.

System action: The RUP abends.

Problem determination: Save the dump.

Module: The message text is provided by EKYEXSE2; the message number is provided by EKYR980X.

EKYR981E EKYEXSE2-6E UNEXPECTED VALUE IN TYPE COLUMN OF CREDIT TABLE

Explanation: The EKYEXSE2 sample exit routine was called to perform DPROP-to-IMS mapping during changes to a row of the CREDIT table. The TYPE column of the changed row has a value that was not expected by EKYEXSE2.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for "other" errors (for example, mapping errors). For more information, see Appendix A, "RUP and HUP error handling," on page 543.

Problem determination: Save the dump.

Module: The message text is provided by EKYEXSE2; the message number is provided by EKYR980X.

EKYR981E EKYXS0E CALL FUNCTION NOT SUPPORTED

Explanation: The EKYEXSE1 sample exit routine was called with an invalid call function in field DAXCALL of the DAX interface control block.

Severity: Error.

System action: The RUP abends.

Problem determination: Save the dump.

Module: The message text is provided by EKYEXSE1; the message number is provided by EKYR980X.

EKYR981E EKYXS1E UNSUPPORTED DBD OR SEGNAME

Explanation: The EKYEXSE1 sample exit routine was called to format a segment type that it does not support.

Severity: Error.

System action: The RUP abends.

Programmer response: Change the PR definitions or adapt the exit routine.

Problem determination: Save the dump.

Module: The message text is provided by EKYEXSE1; the message number is provided by EKYR980X.

EKYR981E EKYXS2E 3RD PARAMETER HAS INCORRECT LENGTH

Explanation: The area into which the exit routine should format the segment has an invalid length.

Severity: Error.

System action: The RUP abends.

Programmer response: Change the PR definitions or adapt the exit routine.

Problem determination: Save the dump.

Module: The message text is provided by EKYEXSE1; the message number is provided by EKYR980X.

EKYR981E EKYXS3E INVALID SEGMENT LENGTH

Explanation: The source segment was shorter than allowed.

Severity: Error.

System action: The RUP uses its error handling logic for "other errors" as described in Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Change the PR definitions or adapt the exit routine.

Problem determination: If DPROP writes trace records to the IMS log or to the //EKYTRACE data set, save the trace records. If DPROP issues an abend, save the dump.

Module: The message text is provided by EKYEXSE1; the message number is provided by EKYR980X.

EKYR981E EKYXS4E FAMILY FIELD DOES NOT FIT WITHIN SEGMENT

Explanation: The field FAMILY was not entirely contained within its segment.

Severity: Error.

System action: The RUP uses its error handling logic for "other errors" as described in Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Change the PR definitions or adapt the exit routine.

Problem determination: If DPROP writes trace records to the IMS log or to the //EKYTRACE data set, save the trace records. If DPROP issues an abend, save the dump.

Module: The message text is provided by EKYEXSE1; the message number is provided by EKYR980X.

EKYR981E EKYXS5E LENGTH OF FAMILY FIELD IS INVALID

Explanation: The length of the field FAMILY was invalid.

Severity: Error.

System action: The RUP uses its error handling logic for "other errors" as described in Appendix A, "RUP and HUP error handling," on page 543.

Programmer response: Change the PR definitions or adapt the exit routine.

Problem determination: If DPROP writes trace records to the IMS log or to the //EKYTRACE data set, save the trace records. If DPROP issues an abend, save the dump.

Module: The message text is provided by EKYEXSE1; the message number is provided by EKYR980X.

EKYR981E EKYXS6E FIRST-NAME FIELD DOES NOT FIT WITHIN SEGMENT

Explanation: The field FIRST-NAME was not entirely contained within its segment.

Severity: Error.

System action: The RUP uses its error handling logic for “other errors” as described in Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Change the PR definitions or adapt the exit routine.

Problem determination: If DPROP writes trace records to the IMS log or to the //EKYTRACE data set, save the trace records. If DPROP issues an abend, save the dump.

Module: The message text is provided by EKYEXSE1; the message number is provided by EKYR980X.

EKYR981E EKYXS7E LENGTH OF FIRST-NAME FIELD IS INVALID

Explanation: The length of the field FIRST-NAME was invalid.

Severity: Error.

System action: The RUP uses its error handling logic for “other errors” as described in Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Change the PR definitions or adapt the exit routine.

Problem determination: If DPROP writes trace records to the IMS log or to the //EKYTRACE data set, save the trace records. If DPROP issues an abend, save the dump.

Module: The message text is provided by EKYEXSE1; the message number is provided by EKYR980X.

EKYR981E EKYXS8E CITY FIELD DOES NOT FIT WITHIN SEGMENT

Explanation: The field CITY was not entirely contained within its segment.

Severity: Error.

System action: The RUP uses its error handling logic for “other errors” as described in Appendix A, “RUP and

HUP error handling,” on page 543.

Programmer response: Change the PR definitions or adapt the exit routine.

Problem determination: If DPROP writes trace records to the IMS log or to the //EKYTRACE data set, save the trace records. If DPROP issues an abend, save the dump.

Module: The message text is provided by EKYEXSE1; the message number is provided by EKYR980X.

EKYR981E EKYXS9E LENGTH OF CITY FIELD IS INVALID

Explanation: The length of the field CITY was invalid.

Severity: Error.

System action: The RUP uses its error handling logic for “other errors” as described in Appendix A, “RUP and HUP error handling,” on page 543.

Programmer response: Change the PR definitions or adapt the exit routine.

Problem determination: If DPROP writes trace records to the IMS log or to the //EKYTRACE data set, save the trace records. If DPROP issues an abend, save the dump.

Module: The message text is provided by EKYEXSE1; the message number is provided by EKYR980X.

**EKYR982E EXIT IS NOT ALLOWED TO SUPPRESS PROPAGATION DBD=dbdname
SEG=segment PR=prid EXIT=exitn**

Explanation: The Segment exit routine identified by EXIT= returned with return code 8. Return code 8 is used to request suppression of the propagation; however, the PR definition did not allow the propagation to be suppressed by the Segment exit routine.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: Make sure that the Segment exit routine does not request suppression of propagation if it was not allowed in the PR definition. Either change the Segment exit routine so that it does not return with return code 8, or change the PR definition to allow propagation to be suppressed.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR980X

**EKYR983E EXIT HAS RETURNED A SEGMENT
WITH INVALID LENGTH DBD=dbdname
SEG=segment PR=prid EXIT=exitn**

Explanation: The Segment exit routine identified by EXIT= returned an invalid segment length. For variable-length segments, the returned length (at the beginning of the segment) should not be larger than the defined maximum segment length; and the returned segment should be large enough to contain the DL/I key field and any other fields mapped to the DB2 primary key.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Make sure that the Segment exit routine returns valid segment lengths.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR980X

**EKYR984E EXIT HAS CHANGED THE CONTENT
OR OFFSET OF DL/I KEY FIELD
DBD=dbdname SEG=segment PR=prid
EXIT=exitn**

Explanation: The Segment exit routine identified by EXIT= changed the content or the offset of IMS key fields. Segment exit routines are not allowed to change the content or offset of IMS key fields.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Make sure that the Segment exit routine does not change the content or offset of IMS key fields.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR980X

**EKYR985E FIELD MAPPING TO PRIMARY DB2
KEY NOT WITHIN SEGMENT
DBD=dbdname SEG=segment FLD=field
COL=column PR=prid EXIT=exitn**

Explanation: The segment occurrence returned by the identified Segment exit routine does not contain the field

identified by FLD=. However, this field is being mapped to a DB2 column identified by COL= of the primary DB2 key and must therefore be available.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Make sure that the Segment exit routine returns segments that always contain all fields being mapped to a column of the primary DB2 key.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR980X

**EKYR986E EXIT HAS CHANGED THE CONTENT
OR OFFSET OF A DL/I FIELD MAPPING
TO THE PRIMARY DB2 KEY
DBD=dbdname SEG=segment FLD=field
COL=column PR=prid EXIT=exitn**

Explanation: The exit routine identified by EXIT= changed the content or offset of a field mapped to a column of the primary DB2 key. This is not allowed for TYPE=F PRs.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: Make sure that the Segment exit routine does not change the content or offset of fields mapped to a column of the primary DB2 key.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR980X

**EKYR987E EXIT CANNOT SUPPRESS
PROPAGATION DBD=dbdname
SEG=segment PR=prid EXIT=exitn**

Explanation: The Segment exit routine identified by EXIT= returned with return code 8, which requests suppression of propagation; however, return code 8 cannot be returned when processing either:

- The segment image before replacement, or
- A parent or ancestor of the IMS segment being changed (PRs including path-data in their mapping)

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: Make sure that the Segment exit routine does not request suppression of propagation when processing a segment image before replacement, or a parent/ancestor of the changed IMS segment.

Problem determination: Save any trace records created by DPRO in the IMS log or on the //EKYTRACE data set. If DPRO abends, save the dump.

Module: EKYR980X

EKYR991E USER EXIT=*exitn* RETURNED WITH RC=*returncode* DBD=*dbdname* SEG=*segment* PR=*prid*

Explanation: The user exit routine identified by USER EXIT= signaled an error by returning a nonzero return code. The 2 low-order bytes of the return code are identified by RC=.

Severity: Error.

System action: typically, This depends on the return code provided by the exit; typically the error is handled according to the RUP logic for “other” errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: For information about exit routines, see the appropriate Administrators Guide for your propagation mode and IMS DPRO Customization Guide.

Problem determination: Save any trace records created by DPRO in the IMS log or on the //EKYTRACE data set. If DPRO abends, save the dump.

Module: EKYR980X and EKYR990X

EKYR993E USER EXIT=*exitn* RETURNED WITH RC=*returncode* DBD=*dbdname* SEG=*segment* FLD=*field* COL=*column* PR=*prid*

Explanation: The field exit routine identified by USER EXIT= signaled an error by returning a nonzero return code. The 2 low-order bytes of the return code are identified by RC=.

Severity: Error.

System action: typically, Depends on the return code provided by the exit; typically the error is handled according to the RUP logic for “other” errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

System programmer response: For information

about exit routines, see the appropriate Administrators Guide for your propagation mode and IMS DPRO Customization Guide.

Problem determination: Save any trace records created by DPRO in the IMS log or on the //EKYTRACE data set. If DPRO abends, save the dump.

Module: EKYR970X

EKYR997E LE/370 CEEPI END_SEQ RETURNED WITH RC= *returncode*

Explanation: A DPRO module issued a CEEPI END_SEQ call to signal the end of a series of subroutine calls. The CEEPI call failed with the shown return code.

The return code values have the following meaning:

- | | |
|-----------|---|
| 4 | DPRO called CEEPI with an invalid function code |
| 8 | The LE/370 environment was already active |
| 16 | DPRO called CEEPI with an invalid token |
| 20 | DPRO called CEEPI with a token different from the token used in a START_SEQ call. |

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Problem determination: If LE/370 issued additional messages, they may help you understand the failure.

Save any trace records created by DPRO in the IMS log or on the //EKYTRACE data set. If DPRO abends, save the dump.

Module: EKYR970X, EKYR980X, and EKYR990X

EKYR998E LE/370 CEEPI START_SEQ RETURNED WITH RC= *returncode*

Explanation: A DPRO module issued a CEEPI START_SEQ call to signal the start of a series of subroutine calls. The CEEPI call failed with the shown return code.

The return code values have the following meaning:

- | | |
|-----------|---|
| 4 | DPRO called CEEPI with an invalid function code |
| 8 | The LE/370 environment was already active |
| 16 | DPRO called CEEPI with an invalid token |

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more

information, see Appendix A, “RUP and HUP error handling,” on page 543.

Problem determination: If LE/370 issued additional messages, they may help you understand the failure.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR970X, EKYR980X, and EKYR990X

EKYR999E **LE/370 CEEPIPI CALL-SUB RETURNED**
 WITH RC=*LE/370 return code*
 USER-EXIT=*exit-name*,
 SRC=X'*subroutine return code***'**,
 SRSN=X'*subroutine reason code***'**
 SFB=X'*subroutine feedback code***'**
 DBD=*dbdname* **SEG=***segment* **PR=***prid*

Explanation: The LE/370 CEEPIPI module returned to DPROP with the shown return code in Register 15 (the LE/370 return code is printed in numerical format). This happened when the RUP called the identified user exit routine via the CEEPIPI CALL-SUB interface.

The message also contains information provided by LE/370, such as the subroutine return code, the subroutine reason code, and the subroutine feedback code (all printed in hexadecimal format).

The error occurred during RUP processing for the identified IMS DBD, segment name, and PRID.

Severity: Error.

System action: The error is handled according to the RUP/HUP logic for programming errors. For more information, see Appendix A, “RUP and HUP error handling,” on page 543.

Problem determination: Refer to IBM SAA AD/Cycle Language Environment/370 Programming Guide for an explanation of the LE/370 return code, the subroutine return code, the subroutine reason code, and the subroutine feedback code. In particular, refer to the description of the CEEPIPI CALL-SUB function in IBM SAA AD/Cycle Language Environment/370 Programming Guide.

Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYR970X, EKYR980X, and EKYR990X

Chapter 16. IMS DPROP services: SCU error messages

EKYS01E ROW NOT FOUND IN RECEIVER CONTROL TABLE FOR RECEIVER *recname*

Explanation: A record cannot be found in the Receiver Control Table (RCT) for the Receiver *recname*, defined in the CREATEREC control statement.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Correct the input control statement and resubmit the job.

Module: EKYS113X

EKYS02E GROUP *oldgrp* ON OLD RECEIVER *oldrec* DOES NOT MATCH GROUP *newgrp* FOR RECEIVER BEING CREATED

Explanation: The group ID *newgrp* does not match the group ID *oldgrp* for the Receiver from which the PRDS Status information is being copied.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Correct the input control statement and resubmit the job.

Module: EKYS113X

EKYS03E RECEIVER *recname* ALREADY EXISTS IN RCT

Explanation: An attempt was made to create a Receiver row in the RCT using a Receiver name that already exists.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Correct the input control statement and resubmit the job.

Module: EKYS113X

EKYS04E UNEXPECTED NON-ZERO SQL RETURN CODE. SQLCODE : *sqlcode*

Explanation: The SCU issued an SQL statement to either insert a row into the Receiver control table, or to read a row from the table. DB2 returns an SQL code in decimal format.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Refer to the DB2 Messages

and Codes for an explanation of the SQL code.

Correct the error before resubmitting the job.

Module: EKYS113X

EKYS05E COMMIT FAILED DUE TO SQL RETURN CODE. SQLCODE : *sqlcode*

Explanation: The SCU issued an SQL statement to commit changes to the Data Base. DB2 returned an SQL code in decimal format.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Refer to the DB2 Messages and Codes for an explanation of the SQL code.

Correct the error before resubmitting the job.

Module: EKYS113X

EKYS06E ERROR IN CREATEREC CONTROL STATEMENT - NO OLDREC DEFINED WHEN STATUS=SPLIT SPECIFIED

Explanation: When the value for the STATUS= operand is defined as SPLIT, a Receiver Name must be defined in the OLDREC operand.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Correct the input control statement and resubmit the job.

Module: EKYS113X

EKYS07E RECEIVER *recname* HAS A STATUS OF EXECUTING - NEW RECEIVER NOT CREATED

Explanation: The PRDS status information cannot be copied as the Receiver *recname* is already active.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Wait until the Receiver *recname* has completed before resubmitting the job.

Module: EKYS113X

EKYSB01E ROW NOT FOUND IN RECEIVER CONTROL TABLE FOR RECEIVER *recname*

Explanation: The Receiver name *recname* in the DELETEREC control statement does not identify a row in the Receiver control table (RCT).

Severity: Error.

System action: SCU processing terminates.

Programmer response: Ensure that the correct row is identified before resubmitting the job.

Module: EKYS114X

EKYSB02E RECEIVER *recname* CANNOT BE DELETED PR ASSIGNMENT EXISTS

Explanation: The Receiver Name *recname* defined in the DELETEREC control statement has PRs assigned to it. This assignment is reflected in the Propagation Request Control Table (PRCT). The Receiver is not deleted.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Remove the row or rows from the PRCT for the PR assignments to the Receiver Name defined on the DELETEREC control statement using the DELETEPR control statement before resubmitting the DELETEREC statement.

Module: EKYS114X

EKYSB03E UNEXPECTED NON-ZERO SQL RETURN CODE. SQLCODE : *sqlcode*

Explanation: The SQLCODE *sqlcode* was returned from an SQL statement that was issued by the SCU that requested the deletion of a row from the Propagation Request Control Table (PRCT).

Severity: Error.

System action: SCU processing terminates.

Programmer response: Refer to the DB2 Messages and Codes for an explanation of the error.

Correct the cause of the error before resubmitting the job.

Module: EKYS114X

EKYSB04E COMMIT FAILED DUE TO SQL RETURN CODE. SQLCODE : *sqlcode*

Explanation: The SQLCODE *sqlcode* was displayed in response to an SQL statement issued by the SCU to commit changes to the database.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Refer to the DB2 Messages and Codes for an explanation of the error.

Correct the cause of the error before resubmitting the job.

Module: EKYS114X

EKYSC01E ROW NOT FOUND IN RECEIVER CONTROL TABLE FOR RECEIVER *recname*

Explanation: The Receiver *recname* does not identify a row in the Receiver control table (RCT).

Severity: Error.

System action: SCU processing terminates.

Programmer response: Correct the input control statement and resubmit the job.

Module: EKYS115X

EKYSC02E UNEXPECTED NON-ZERO SQL RETURN CODE SQLCODE : *sqlcode*

Explanation: The SQLCODE *sqlcode* was returned from an SQL statement issued by the SCU to either:

- Read the RCT
- Open a cursor
- Delete a row from the PRCT
- Insert a row into the PRCT

Severity: Error.

System action: SCU processing terminates.

Programmer response: Refer to the DB2 Messages and Codes for an explanation of the error.

Correct the cause of the error before resubmitting the job.

Module: EKYS115X

EKYSC03E RECEIVER *recname* IS EXECUTING. PRS CANNOT BE ASSIGNED TO IT.

Explanation: PRS cannot be assigned to the Receiver *recname* as it is already active.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Wait until the Receiver *recname* has completed its current run before resubmitting the job.

Module: EKYS115X

EKYSC04E POSITIONAL INFORMATION FOR RECEIVER *recname1* DOES NOT MATCH THAT FOR RECEIVER *recname2*

Explanation: The Group Id or positioning information or both for *recname1* and *recname2* are not identical. To avoid duplicating or missing updates when reassigning PRs between Receivers, the PRDS group and positioning information for both Receivers must be identical. The positioning information consists of the:

- PRDS sequence number
- PRDS status
- UOW ID

Severity: Error

System action: SCU processing terminates.

Programmer response: If this protection is not required, specify MERGE=FORCE on the ASSIGNPR control statement and resubmit the job.

Module: EKYS115X

EKYSC05E COMMIT FAILED DUE TO SQL RETURN CODE. SQLCODE : *sqlcode*

Explanation: The SQLCODE *sqlcode* was returned from an SQL statement to commit changes to the database that was issued by the SCU.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Refer to the DB2 Messages and Codes for an explanation of the error.

Correct the cause of the error before resubmitting the job.

Module: EKYS115X

EKYSC06W PR *prid* IS NOT CURRENTLY ASSIGNED TO RECEIVER *recname*

Explanation: Because the PR *prid* is not assigned to the Receiver specified in the ASSIGNPR control statement, the SCU cannot perform the reassignment for the PR *prid*.

Severity: Warning.

System action: SCU processing continues.

Programmer response: Check if this situation is incorrect.

If it is not incorrect, ignore this message.

Module: EKYS115X

EKYSC07I PR *prid* IS ALREADY ASSIGNED TO RECEIVER *recname*

Explanation: A row already exists for the PR *prid* and Receiver *recname*.

Severity: Information.

System action: SCU processing continues.

Programmer response: None.

Module: EKYS115X

EKYSC08I PR *prid* HAS BEEN REASSIGNED FROM RECEIVER *oldrec* TO RECEIVER *newrec*

Explanation: The *prid* has been successfully reassigned from the Receiver *oldrec* to the Receiver *newrec*.

Severity: Information.

System action: SCU processing continues.

Programmer response: None.

Module: EKYS115X

EKYSC09E PR *prid* IS NOT A VALID DPROP RESOURCE

Explanation: The PR *prid* is not a recognized IMS DPROP resource. The SCU only accepts values that are defined in the IMS DPROP directory.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Correct the input control statement and resubmit the job.

Module: EKYS115X

EKYSC10E PRSET *prset* IS NOT A VALID DPROP RESOURCE

Explanation: The PRSET *prset* is not a recognized IMS DPROP resource. The SCU only accepts values that are defined in the IMS DPROP directory.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Correct the input control statement and resubmit the job.

Module: EKYS115X

EKYSC11E DBNAME *dbd* IS NOT A VALID DPROP RESOURCE

Explanation: The DBNAME specified above is not a recognized IMS DPROP resource. The SCU only accepts values that are defined in the IMS DPROP directory.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Correct the input control statement and resubmit the job.

Module: EKYS115X

EKYSC12E DBNAME *dbd* AND SEGNAME *seg* ARE NOT A VALID COMBINATION

Explanation: The DBNAME *dbd* and segment name *seg* are not recognized or do not match. The SCU rejects values which are not defined in the IMS DPROP directory or which result in an unmatched IMS DPROP resource.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Correct the input control statement and resubmit the job.

Module: EKYS115X

EKYSC13W PR *prid* MAY ONLY BE ASSIGNED TO ONE RECEIVER AT A TIME

Explanation: The PR *prid* is already assigned to a Receiver. A PR can be assigned to only one Receiver at a time. The assignment is ignored.

Severity: Warning.

System action: SCU processing continues.

Programmer response: Determine if this situation is correct.

Module: EKYS115X

EKYSD01E UNEXPECTED NON-ZERO SQL RETURN CODE. SQLCODE : *sqlcode*

Explanation: The SQLCODE *sqlcode* resulted from an SQL statement issued by the SCU to either:

- Read the PRCT
- Open a cursor
- Delete a row from the PRCT

Severity: Error.

System action: SCU processing terminates.

Programmer response: Refer to the DB2 Messages and Codes for an explanation of the error.

Correct the cause of the error before resubmitting the job.

Module: EKYS116X

EKYSD02E COMMIT FAILED DUE TO SQL RETURN CODE. SQLCODE : *sqlcode*

Explanation: The SQLCODE *sqlcode* was returned from an SQL statement issued by the SCU to commit changes to the database.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Refer to the DB2 Messages and Codes for an explanation of the error.

Correct the cause of the error before resubmitting the job.

Module: EKYS116X

EKYSD03E RECEIVER *recline* IS EXECUTING. PR ASSIGNMENTS CANNOT BE DELETED

Explanation: The Receiver *recline* is already active. PR assignments cannot be deleted while a Receiver is active.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Resubmit the job when the Receiver has completed.

Module: EKYS116X

EKYSD04I PR *prid* IS NOT ASSIGNED TO RECEIVER *recline*

Explanation: An assignment could not be found for the PR *prid* and Receiver and *recline*.

Severity: Information.

System action: SCU processing continues.

Programmer response: None.

Module: EKYS116X

EKYSD05E PR *prid* IS NOT A VALID DPROP RESOURCE

Explanation: The PR *prid* is not a recognized IMS DPROP resource. The SCU only accepts values that are defined in the IMS DPROP directory.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Specify a valid *prid* before resubmitting the job.

Module: EKYS116X

EKYSD06E PRSET *prset* IS NOT A VALID DPROP RESOURCE

Explanation: The PRSET *prset* is not a recognized IMS DPROP resource. The SCU only accepts values that are defined in the IMS DPROP directory.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Correct the input control statement before resubmitting the job.

Module: EKYS116X

EKYS07E DBNAME *dbd* IS NOT A VALID DPROP RESOURCE

Explanation: The DBNAME *dbd* is not a recognized IMS DPROP resource. The SCU only accepts values that are defined in the IMS DPROP directory.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Correct the input control statement and resubmit the job.

Module: EKYS116X

EKYS08E SEGNAME *seg* IS NOT A VALID DPROP RESOURCE

Explanation: The SEGNAME *seg* is not a recognized IMS DPROP resource. The SCU only accepts values that are defined in the IMS DPROP directory.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Correct the input control statement and resubmit the job.

Module: EKYS116X

EKYS09I NO RECEIVER ASSIGNMENT EXISTS FOR PR *prid*

Explanation: The PR *prid* is not assigned.

Severity: Information.

System action: SCU processing continues.

Programmer response: None.

Module: EKYS116X

EKYSE01E UNEXPECTED INTERNAL ERROR HAS OCCURRED

Explanation: An internal error has occurred while processing the ASSIGNTSM control statement. An internal control block may be corrupted.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Save the output, and contact IBM Software Support.

Module: EKYS112X

EKYSE02E MANDATORY OPERAND TIME= OR USERTIME= REQUIRED

Explanation: The TIME= or USERTIME= is missing from the ASSIGNTSM control statement.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Correct the input control statement and resubmit the job.

Module: EKYS112X

EKYSF01E UNEXPECTED INTERNAL ERROR HAS OCCURRED

Explanation: An internal error has occurred while processing the DELETETSM control statement. An internal control block may be corrupted.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Save the output, and contact IBM Software Support.

Module: EKYS111X

EKYSF02E STOP TIMESTAMP MARKER MAY NOT BE DELETED BY SPECIFYING TSM ID

Explanation: A Timestamp Marker ID cannot be specified in the DELETETSM control statement when deleting a STOP Time Stamp Marker.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Correct the input control statement and resubmit the job.

Module: EKYS111X

EKYSF03E MANDATORY GROUP= OPERAND MUST BE SUPPLIED

Explanation: The GROUP= operand is missing from the DELETETSM control statement.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Correct the input control statement and resubmit the job.

Module: EKYS111X

EKYSF04E MANDATORY DBD= OPERAND MUST BE SUPPLIED

Explanation: The DBD= operand is missing from the DELETETSM control statement.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Correct the input control statement and resubmit the job.

Module: EKYS111X

EKYSG01E UNEXPECTED INTERNAL ERROR HAS OCCURRED

Explanation: An internal error has occurred while processing the CREATETSM control statement. An internal control block may be corrupted.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Save the output, and contact IBM Software Support.

Module: EKYS110X

EKYSG02E MANDATORY GROUP= OPERAND MUST BE SUPPLIED

Explanation: The GROUP= operand must be supplied on the CREATETSM control statement when creating a STOP Time Stamp Marker.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Correct the input control statement and resubmit the job.

Module: EKYS110X

EKYSG03E MANDATORY DBD= OPERAND MUST BE SUPPLIED

Explanation: The DBD= operand is missing from the CREATETSM control statement.

Severity: Error.

System action: SCU processing terminates.

Programmer response: Correct the input control statement and resubmit the job.

Module: EKYS110X

Chapter 17. Status Change Utility (SCU) messages

EKYS000E INTERNAL LOGIC ERROR IN MODULE *module* LOCATION IDENTIFICATION CODE: *lidx*

Explanation: An IMS DPROP program error occurred at location *lidx* in module *module*.

Severity: Error.

System action: SCU processing terminates.

Problem determination: Report this problem to the IBM Software Support.

Module: All SCU modules.

EKYS001I BACKOUT PERFORMED; SEVERE ERROR DETECTED

Explanation: The SCU detected a severe error and issued a DB2 ROLLBACK call to prevent data inconsistencies in the IMS DPROP directory.

Severity: Information.

System action: Processing continues.

Problem determination: For more information, see the messages issued before this one on the //SYSUPRINT data set.

Module: EKYS000X

EKYS101E DD STATEMENT WITH DDNAME *ddname* IS MISSING

Explanation: The DD statement that defines the IMS DPROP status file is missing. The message provides the name of the missing DD statement.

Severity: Error.

System action: SCU processing terminates.

User response: Provide the DD statement and resubmit the job.

Module: EKYS010X

EKYS102E NONZERO CODE RETURNED BY MACRO *macro* WHEN RETRIEVING JCL ALLOCATION RESOURCES RETURN CODE (R15): *rdrc* DDNAME: *ddn* ERROR REASON CODE: *rdrc* ERROR INFORMATION CODE: *idlc*

Explanation: The SCU requested information about JCL allocation resources with an SVC 99 function, but the request failed. The message shows all codes returned by the SVC 99 in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: For the meaning of the codes returned by the SVC 99, see OS/390® MVS Application Development Guide. Correct the error based on the return code information and resubmit the job.

Module: EKYS010X

EKYS103E THE DSNAME ASSOCIATED WITH THE DDNAME *ddn* IS UNKNOWN AS An IMS DPROP RESOURCE

Explanation: The data set name specified on the DD statement with ddname *ddn* does not match a data set name defined during IMS DPROP generation.

Severity: Error.

System action: SCU processing terminates.

User response: Specify a valid data set name and resubmit the job.

Module: EKYS010X

EKYS104E DD STATEMENT WITH DDNAME *ddn* CONTAINS THE INVALID KEYWORD DISP=MOD

Explanation: DISP=MOD is not valid on the DD statement that defines the IMS DPROP status file.

Severity: Error.

System action: SCU processing terminates.

User response: Change the DISP parameter specification to OLD or SHR and resubmit the job.

Module: EKYS010X

EKYS111E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DD statement with ddname *ddn* is missing.

Severity: Error.

System action: SCU processing terminates.

User response: Supply a DD statement with the ddname shown in the message and resubmit the job.

Module: EKYS011X

EKYS112E NONZERO CODE RETURNED BY MODULE *module* WHEN FINDING THE DBRC CONTROL LEVEL RETURN CODE (R15): *rdrc*

Explanation: The SCU was unable to obtain the DBRC control level because the LINK request to

module *module* failed or because module *module* could not complete successfully. The message shows the return code in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: If the LINK request failed, correct the error based on the return code information for the LINK macro in OS/390 MVS Application Development Guide. If module *module* could not complete successfully, follow the instructions provided by module *module* on the SYSPRINT data set. Then resubmit the job.

Module: EKYS011X

EKYS113E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DD statement with ddname *ddn* is missing.

Severity: Error.

System action: SCU processing terminates.

User response: Supply the missing DD statement and resubmit the job.

Module: EKYS011X

EKYS114E UNEXPECTED RESULT WHILE ANALYZING THE RESPONSE OF A DBRC LIST.RECON COMMAND POSSIBLE DBRC RELEASE CONFLICT

Explanation: The CONTROL= keyword is missing in the DBRC output data set. DBRC sends the results of the LIST.RECON command to this data set. The JOBLIB or STEPLIB JCL statement probably contains an incorrect DBRC release specification.

Severity: Error.

System action: SCU processing terminates.

User response: Correct any errors on the JOBLIB or STEPLIB JCL statement and resubmit the job.

Module: EKYS011X

EKYS115E UNEXPECTED RESULT WHILE ANALYZING THE RESPONSE OF A DBRC LIST.RECON COMMAND POSSIBLE DBRC RELEASE CONFLICT

Explanation: The SCU was unable to find the SSID= keyword in the DBRC output data set. The JOBLIB or STEPLIB JCL statement probably contains an incorrect DBRC release specification.

Severity: Error.

System action: SCU processing terminates.

User response: Correct any errors on the JOBLIB or STEPLIB DD statement and resubmit the job.

Module: EKYS011X

EKYS121E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DD statement with ddname *ddn* is missing.

Severity: Error.

System action: SCU processing terminates.

User response: Supply the missing DD statement and resubmit the job.

Module: EKYS012X

EKYS122E UNEXPECTED RESULT WHILE ANALYZING THE RESPONSE OF A DBRC LIST.RECON COMMAND POSSIBLE DBRC RELEASE CONFLICT

Explanation: The SCU was unable to find the keyword DDNAME or DSNNAME in the DBRC output data set. The JOBLIB or STEPLIB statement probably contains an incorrect DBRC release specification.

Severity: Error.

System action: SCU processing terminates.

User response: Correct any errors on the STEPLIB or JOBLIB statement and resubmit the job.

Module: EKYS012X

EKYS123E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DD statement with ddname *ddn* is missing.

Severity: Error.

System action: SCU processing terminates.

User response: Supply a DD statement with ddname *ddn* and resubmit the job.

Module: EKYS012X

EKYS124E UNEXPECTED RESULT WHILE ANALYZING THE RESPONSE OF A DBRC LIST.RECON COMMAND POSSIBLE DBRC RELEASE CONFLICT

Explanation: The SCU was unable to find the data set name in the DBRC output data set. The JOBLIB or STEPLIB statement probably contains the incorrect DBRC release specification.

Severity: Error.

System action: SCU processing terminates.

User response: Correct any errors on the JOBLIB or STEPLIB statement and resubmit the job.

Module: EKYS012X

**EKYS125E NONZERO CODE RETURNED BY
MACRO *macro* WHEN RETRIEVING JCL
ALLOCATION RESOURCES RETURN
CODE (R15): *rdrc* DDNAME: *ddn*
ERROR REASON CODE: *rsn/rsn*
ERROR INFORMATION CODE: *idic***

Explanation: The SCU requested information about JCL allocation resources with an SVC 99 function, but the request failed. The message shows all codes returned by the SVC 99 in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: For the meanings of the SVC 99 codes, see the section on dynamic allocation in OS/390 MVS Application Development Guide. Correct the error based on this information and resubmit the job.

Module: EKYS012X

**EKYS126E NONZERO CODE RETURNED BY
MACRO *macro* WHEN ALLOCATING
JCL RESOURCES RETURN CODE
(R15): *rdrc* DDNAME: *ddn* DSNAME:
dsn DISP: MOD ERROR REASON
CODE: *rsn/rsn* ERROR INFORMATION
CODE: *idic***

Explanation: The SCU tried to allocate JCL resources with an SVC 99 function, but the request failed. The message shows the codes returned by the SVC 99 in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: For the meanings of the codes from the SVC 99, see the section on dynamic allocation in OS/390 MVS Application Development Guide. Correct the error based on this information, and resubmit the job.

Module: EKYS012X

**EKYS131E DD STATEMENT WITH DDNAME
ddname IS MISSING**

Explanation: The DD statement that defines the SCU DB2 plan and the DB2 system is missing. Either:

- An IMS DPROF Synchronous is required and no DD statement with the name *ddnmame* is supplied.
- A DD statement has been supplied for the Status File while running IMS DPROF in Asynchronous mode.

The SCU assumes that a Synchronous IMS DPROF system is required when a DD statement for the IMS DPROF Status File exists.

Severity: Error.

System action: SCU processing terminates.

User response: Provide the missing DD statement and resubmit the job.

Module: EKYS013X

**EKYS132E START OF CHECKING PHASE FOR
DATA SET ALLOCATED TO DDNAME
*ddn***

Explanation: During the checking phase, the SCU detected errors in the control data set allocated to the DD statement with *ddname ddn*. The control statements and their related error messages follow this message.

User response: See the control statements and error messages that follow.

Severity: Error.

Module: EKYS013X

**EKYS133E MISSING INPUT CONTROL
STATEMENTS**

Explanation: The SCU found no input control statements in the input data set. Message EKYS132E shows the name of the DD statement that defines this data set.

Severity: Error.

User response: Provide input control statements and resubmit the job.

Module: EKYS013X

**EKYS134E THE FOLLOWING INPUT CONTROL
STATEMENTS IGNORED; UNUSABLE
DATA**

Explanation: The identified input control statements contain unusable data. Message EKYS132E shows the name of the DD statement that defines the input control data set.

Severity: Error.

User response: Provide appropriate input control statements and resubmit the job.

Module: EKYS013X

**EKYS135E THE FOLLOWING INPUT CONTROL
STATEMENTS IGNORED; ERRORS IN
DATA**

Explanation: This header message precedes the unusable control statements and their related error messages. Message EKYS132E shows the name of the DD statement that defines the input control data set.

User response: See the control statements and error messages that follow this header message.

Severity: Error.

Module: EKYS013X

EKYS136E END OF CHECKING PHASE FOR DATA SET ALLOCATED TO DDNAME *ddn*

Explanation: The SCU issues this trailer message at the end of the checking phase if it detected errors in the input data set allocated to ddname *ddn*. The control statements along with their related error messages precede this message.

Severity: Error.

Module: EKYS013X

EKYS137E ALL INPUT DATA IGNORED; JOB TERMINATED; ERRORS DETECTED DURING INITIALIZATION PHASE

Explanation: This trailer message ends the list of unusable control statements and the related error messages. Message EKYS132E shows the name of the DD statement that defines the input control data set.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statements and resubmit the job.

Module: EKYS013X

EKYS141I START OF PROCESSING PHASE FOR DATA SET ALLOCATED TO DDNAME *ddn*

Explanation: This informational message reports that the SCU successfully read and checked all input control statements in the data set with ddname *ddn* and now begins to process them.

Severity: Information.

System action: Processing continues.

Module: EKYS013X

EKYS142I LIST OF INPUT CONTROL STATEMENTS SUPPLIED

Explanation: The SCU accepted all of the following input control statements that were supplied in the data set defined on the DD statement named in message EKYS141I.

Severity: Information.

System action: Processing continues.

Module: EKYS014X

EKYS143I END OF PROCESSING PHASE FOR DATA SET ALLOCATED TO DDNAME *ddn*

Explanation: The SCU successfully processed and accepted the input control statements in the data set whose ddname is identified in message EKYS141I. The input control statements precede this message.

Severity: Information.

System action: Processing continues.

Module: EKYS014X

EKYS144I ALL INPUT DATA SUCCESSFULLY ACCEPTED

Explanation: The SCU accepted all input control statements in the data set whose ddname is identified in message EKYS141I. This message ends the list of input control statements.

Severity: Information.

System action: Processing continues.

Module: EKYS014X

EKYS151E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DD statement with ddname *ddn* is missing.

Severity: Error.

System action: Processing of the program is terminated.

User response: Supply the missing DD statement and resubmit the job.

Module: EKYS015X

EKYS152E START OF CHECKING PHASE FOR DATA SET ALLOCATED TO DDNAME *ddn*

Explanation: During the checking phase, the SCU detected errors in the input control statements in the data set with ddname *ddn*. The control statements and their related error messages follow.

Severity: Error.

Module: EKYS015X

EKYS153E MISSING INPUT CONTROL STATEMENTS

Explanation: The SCU found no input control statements in the data set with the ddname identified in message EKYS152E.

Severity: Error.

User response: Provide the appropriate input control statements and resubmit the job.

Module: EKYS015X

EKYS154E THE FOLLOWING INPUT CONTROL STATEMENTS IGNORED; UNUSABLE STATEMENTS

Explanation: This header message precedes the unusable control statements and their related error messages. Message EKYS152E identifies the name of the DD statement that defines the input data set.

Severity: Error.

User response: Provide the appropriate input control statements and resubmit the job.

Module: EKYS015X

EKYS155E END OF CHECKING PHASE FOR DATA SET ALLOCATED TO DDNAME *ddn*

Explanation: This trailer message reports the end of the checking phase. The SCU found errors in the input control statements in the data set with ddname *ddn*. The control statements and their related error messages precede this message.

Severity: Error.

Module: EKYS015X

EKYS156E NO STATEMENT WAS EXECUTED; JOB TERMINATED; ERRORS DETECTED DURING INITIALIZATION PHASE

Explanation: This trailer message ends the list of control statements and their related error messages. The SCU cannot continue processing. The control statements are in the data set with the ddname identified in message EKYS152E.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statements and resubmit the job.

Module: EKYS015X

EKYS161E DEBUG= VALUE IS INVALID

Explanation: The value specified on the DEBUG= parameter is invalid or out of range. It must be a numeric value between 1 and 127.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the DEBUG= value and resubmit the job.

Module: EKYS016X

EKYS162E MAXPR= VALUE IS INVALID

Explanation: MAXPR= value is invalid or out of range. It must be specified as a numeric value between 1 and 2,147,483,647 or as UNLIMITED.

Severity: Error.

System action: SCU processing terminates.

User response: Specify a correct value and resubmit the job.

Module: EKYS016X

EKYS163E IDENTIFICATION BLOCK FOLLOWING MAXPR= IS MISSING

Explanation: The MAXPR= value on an ERRCTL control statement was specified, but the required identification block was missing.

Severity: Error.

System action: SCU processing terminates.

User response: Provide an appropriate identification block and resubmit the job.

Module: EKYS016X

EKYS164E MAXSSWTO= IS INVALID

Explanation: The MAXSSWTO= value is invalid or out of range. It must be specified as a numeric value between 1 and 2,147,483,647 or as UNLIMITED.

Severity: Error.

System action: SCU processing terminates.

User response: Specify a correct value and resubmit the job.

Module: EKYS016X

EKYS165E MAXSSAUD= IS INVALID

Explanation: The MAXSSAUD= value is invalid or out of range. It must be specified as a numeric value between 1 and 2,147,483,647 or as UNLIMITED.

Severity: Error.

System action: SCU processing terminates.

User response: Specify a correct value and resubmit the job.

Module: EKYS016X

EKYS166E NAME IN DPROP= KEYWORD INCOMPATIBLE WITH DSNAME OF DPROP STATUS FILE

Explanation: The IMS DPROP system name (DPROP=) on the INIT control statement does not match the IMS DPROP system name (DSNAME=) of

the IMS DPROP status file. The DSNAMES= keyword is specified in the JCL during DPROPGEN.

Severity: Error.

System action: SCU processing terminates.

User response: Take one of these actions:

- Change the DSNAMES of the IMS DPROP status file to the name used on the INIT control statement, or
- Change the IMS DPROP system name on the INIT control statement to the name of the IMS DPROP status file.

Module: EKYS016X

EKYS167W DD STATEMENT WITH DDNAME *DDN* SHOULD NOT BE SUPPLIED FOR AN ASYNCHRONOUS DPROP SYSTEM

Explanation: The DD statement that defines the IMS DPROP status file should not be supplied when running the SCU in an Asynchronous mode.

Severity: Warning.

System action: SCU processing continues.

Programmer response: Remove the DD statement from the JCL for future runs of the SCU in an Asynchronous mode.

Module: EKYS016X

EKYS168E NO GENERATED DPROP SYSTEM NAME HAS BEEN MATCHED TO THE KNOWN SYSTEM NAME OF *DDN*

Explanation: The IMS DPROP System Name does not have a corresponding value among the generated IMS DPROP systems. A EKYG000X member may be corrupted.

Severity: Error

System action: SCU processing terminates.

Programmer response: Save the output and call for IBM assistance.

Module: EKYS016X

EKYS171E STATEMENT *statement* NOT EXECUTABLE; DB2 IS DOWN

Explanation: The SCU was unable to execute the control statement identified in the message because the DB2 subsystem was not active.

Severity: Error.

System action: The SCU processing terminates.

User response: Eliminate the control statement from the input control data set or start the DB2 subsystem; then resubmit the job.

Module: EKYS017X

EKYS172E DD STATEMENT WITH DDNAME SCUPLAN IS MISSING

Explanation: The DD statement that defines the SCU DB2 Plan and DB2 System is missing. This is required if a command that requires DB2 has been input to the SCU.

Severity: Error

System action: SCU processing terminates.

Programmer response: Provide the DD statement and resubmit the job.

Module: EKYS017X

EKYS181E STATEMENT *statement* IS MUTUALLY EXCLUSIVE WITH ALL OTHER STATEMENTS EXCEPT 'DISPLAY'

Explanation: The input data set contains mutually exclusive control statements. ESTOP, RESET and INIT cannot be specified with each other or with any other control statements except DISPLAY. The message shows the control statement that must be specified alone.

Severity: Error.

System action: SCU processing terminates.

User response: Eliminate the appropriate control statements from the input control data set and resubmit the job.

Module: EKYS018X

EKYS182E STATEMENT *statement* IS NOT SUPPORTED IN A DPROP ASYNCHRONOUS ENVIRONMENT

Explanation: While reading the input control statements, the SCU detected that an input control statement not supported was provided for an asynchronous IMS DPROP system.

Severity: Error.

System action: SCU processing terminates.

User response: Valid input control statements for an asynchronous system are INIT DPROP, INIT VLF, and DISPLAY STATUS. Provide an appropriate input control statement and resubmit the job.

Module: EKYS018X

EKYS191E VALUE *value* IN KEYWORD *keyword* UNKNOWN AS DPROP RESOURCE

Explanation: The value specified in the identified keyword is not a known IMS DPROP resource. The SCU accepts only values that are defined in the IMS DPROP. directory.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS019X

EKYS192E THE COMBINATION OF THE FOLLOWING KEYS: VALUE *value* IN DBD= VALUE *value* IN PRSET= LEADS TO UNKNOWN DPROP RESOURCE

Explanation: One of the following occurred:

- The DBD= or PRSET= value identified in the message is not a known IMS DPROP resource.
- The combination of DBD= and PRSET= values results in an unknown or unmatched IMS DPROP resource.

The SCU rejects all values that are not defined in IMS DPROP directory or that result in unmatched IMS DPROP resources.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS019X

EKYS193E THE COMBINATION OF THE FOLLOWING KEYS: VALUE *value* IN DBD= VALUE *value* IN SEG= LEADS TO UNKNOWN DPROP RESOURCE

Explanation: One of the following occurred:

- The combination of DBD= and SEG= values results in an unknown or unmatched IMS DPROP resource.
- The combination of DBD= and SEG= values results in an unknown or unmatched IMS DPROP resource. The SCU rejects all values that are not defined in the IMS DPROP directory or that result in unmatched IMS DPROP resources.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS019X

EKYS194E THE COMBINATION OF THE FOLLOWING KEYS: VALUE *value* IN DBD= VALUE *value* IN SEG= VALUE *value* IN PRSET= LEADS TO UNKNOWN DPROP RESOURCE

Explanation: One of the following occurred:

- The DBD=, SEG=, or PRSET= *value* is not a known IMS DPROP resource.

- The combination of the DBD=, SEG=, and PRSET= values results in an unknown or unmatched IMS DPROP resource. The SCU rejects all values that are not defined in the IMS DPROP directory or that result in unmatched IMS DPROP resources.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS019X

EKYS195E NO DPROP RESOURCE FOUND

Explanation: The SCU detected input control statements for which IMS DPROP resources are not defined in the IMS DPROP directory.

Severity: Error.

System action: SCU processing terminates.

User response: Populate the IMS DPROP directory and resubmit the job.

Module: EKYS019X

EKYS196E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of deadlocks allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS019X

**EKYS197I BACKOUT PERFORMED; RESTARTING TO ACCESS DPROP RESOURCES;
REASON: *scutxt***

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can

happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.

- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS019X

EKYS201E VALUE *value* IN KEYWORD *keyword*
UNKNOWN OR INCONSISTENT AS A
DB2 RESOURCE

Explanation: The value specified in the identified keyword is not a known DB2 resource. The SCU accepts only values that are defined in the DB2 Catalog.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS020X

EKYS202E THE COMBINATION OF THE
FOLLOWING KEYS: VALUE *value* IN
DB2DB= VALUE *value* IN SPACE=
LEADS TO UNKNOWN DB2
RESOURCE

Explanation: One of the following occurred:

- The DB2DB= or SPACE= value identified in the message is not a known DB2 resource.

- The combination of DB2DB= and SPACE= values results in an unknown or unmatched DB2 resource.

The SCU rejects all values that are not defined in DB2 Catalog or that result in unmatched DB2 resources.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS020X

EKYS205E NO DPROP RESOURCE FOUND

Explanation: The SCU detected input control statements for which DB2 resources are not defined in the DB2 Catalog.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS020X

EKYS211E START OF CHECKING PHASE FOR
DATA SET ALLOCATED TO DDNAME
ddn

Explanation: During the checking phase, the SCU detected errors in the input control statements provided in the data set with ddname *ddn*. Messages that follow give the reason for the error.

Severity: Error.

Module: EKYS021X

EKYS212E THE FOLLOWING INPUT CONTROL
STATEMENT(S) IGNORED; ERRORS IN
DATA

Explanation: The SCU detected errors in the input control statements in the data set with the ddname identified in message EKYS211E. The control statements and their related error messages follow.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statements in error and resubmit the job.

Module: EKYS021X

EKYS213E END OF CHECKING PHASE FOR DATA
SET ALLOCATED TO DDNAME *ddn*

Explanation: The checking phase ended. The SCU detected errors in the input control statements supplied in the data set with ddname *ddn*. Error messages

describing the incorrect control statements precede this message.

Severity: Error.

Module: EKYS021X

EKYS214E ALL INPUT DATA IGNORED; JOB TERMINATED; ERRORS DETECTED DURING INITIALIZATION PHASE

Explanation: The SCU detected errors in the input control statements supplied in the data set with the ddname identified in message EKYS211E. Control statement and their related error messages precede this message. This is the final trailer message.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statements and resubmit the job.

Module: EKYS021X

EKYS221E NONZERO CODE RETURNED BY MACRO *macro* WHEN INITIALIZING CIA SERVICES RETURN CODE (R15): *rdrc*

Explanation: The SCU was unable to initialize CIA services. This message displays the:

- Name of the macro used to initialize CIA services
- Return code from the macro in hexadecimal/decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by CIA services precede this one. Refer to these messages for the appropriate action.

Module: EKYS022X

EKYS222E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DD statement with the ddname identified in the message is missing.

Severity: Error.

System action: SCU processing terminates.

User response: Supply the missing DD statement and resubmit the job.

Module: EKYS022X

EKYS223E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of deadlocks allowed in this job step execution. See

SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS022X

EKYS224E UNEXPECTED NUMBER OF ROWS FOUND IN TABLE *tablename* EXPECTED NUMBER: 1 FOUND NUMBER: *nbr*

Explanation: The SCU found an unexpected number of rows in the IMS DPROP master table. This can occur when an authorized QMF user has inserted rows in this table.

Severity: Error.

System action: SCU processing terminates.

User response: Delete the unwanted rows and resubmit the job.

Module: EKYS022X

EKYS225E UNEXPECTED NUMBER OF ROWS FOUND IN TABLE *tablename* EXPECTED NUMBER: 0 FOUND NUMBER: *nbr*

Explanation: The SCU found an unexpected number of rows in the IMS DPROP master table. This can occur when an authorized QMF user has inserted rows in this table.

Severity: Error.

System action: SCU processing of the program is terminated.

User response: Delete the unwanted rows and resubmit the job.

Module: EKYS022X

EKYS226E NONZERO CODE RETURNED BY MACRO *macro* WHEN INITIALIZING CIA SERVICES RETURN CODE (R15): *rdrc*

Explanation: The SCU was unable to initialize CIA services. The message gives

- The name of the macro used to initialize CIA services
- The return code from the macro in hexadecimal/decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by CIA services precede this one. Refer to these messages for appropriate action.

Module: EKYS022X

**EKYS227E NONZERO CODE RETURNED BY
MACRO *macro* WHEN INITIALIZING CIA
SERVICES RETURN CODE (R15): *rdrc***

Explanation: The SCU was unable to initialize CIA services. The message shows

- The name of the macro used to initialize CIA services
- The return code from the macro in hexadecimal/decimal format

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by CIA services precede this one. Refer to these messages for the appropriate action.

Module: EKYS022X

**EKYS228E NONZERO CODE RETURNED BY
MACRO *macro* WHEN INITIALIZING CIA
SERVICES RETURN CODE (R15): *rdrc***

Explanation: The SCU was unable to initialize CIA services. The message shows

- The name of the macro used to initialize CIA services
- The return code from the macro in hexadecimal/decimal format

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by CIA services precede this one. Refer to these messages for the appropriate action.

Module: EKYS022X

**EKYS229I BACKOUT PERFORMED; RESTARTING
TO ACCESS DPROP RESOURCES;
REASON: *scutxt***

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.

- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS022X

**EKYS301I START OF PROCESSING PHASE FOR
DATA SET ALLOCATED TO DDNAME
*ddn***

Explanation: The SCU successfully read and checked all input control statements in the data set defined on the DD statement with ddname *ddn*. It begins processing each input control statement. This is a header line only.

Severity: Information.

System action: Processing continues.

Module: EKYS030X

**EKYS302I LIST OF INPUT CONTROL
STATEMENTS AND ASSOCIATED
DPROP/DBRC/DB2 RESOURCES**

Explanation: This header message reports that the SCU successfully read and checked the input control statements in the data set with the ddname identified in message EKYS301I. The control statements and the resources affected by these statements follow.

Severity: Information.

System action: Processing continues.

Module: EKYS030X

**EKYS311E NONZERO CODE RETURNED BY
MACRO *macro* RETURN CODE (R15):
rdrc MACRO PARM: *macropar***

Explanation: The SCU requested an IMS DPROP service function, but the request failed. The message displays the:

- Name of the macro
- Return code from the macro in hexadecimal/decimal format
- Parameter specified on the macro.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by IMS DPROP services precede this one. Refer to these messages for the appropriate action.

Module: EKYS031X

EKYS312E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of deadlocks allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS031X

**EKYS313E LIMIT OF *nbr* UNMATCHED DPROP
RESOURCES REACHED**

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of unmatched IMS DPROP resources allowed in this job step execution. The state of some PRs, DBNAMEs, or DBDs have been modified within a unit of work.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS031X

**EKYS314I BACKOUT PERFORMED; RESTARTING
TO ACCESS DPROP RESOURCES;
REASON: *scutxt***

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS031X

**EKYS321E NONZERO CODE RETURNED BY
MACRO *macro* RETURN CODE (R15):
rdrc MACRO PARM: *macropar***

Explanation: The SCU requested an IMS DPROP service function, but the request failed. The message displays the:

- Name of the macro
- Return code from the macro in hexadecimal/decimal format
- Parameter specified in the macro.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by IMS DPROP services precede this one. Refer to these messages for the appropriate action.

Module: EKYS032X

EKYS322E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number of deadlocks (*nbr*) allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS032X

EKYS323E LIMIT OF *nbr* UNMATCHED DPROP RESOURCES REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of unmatched IMS DPROP resources allowed in this job step execution. The state of some PRs, DBNAMEs, or DBDs have been modified within a unit of work.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS032X

EKYS324I BACKOUT PERFORMED; RESTARTING TO ACCESS DPROP RESOURCES; REASON: *scutxt*

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.

- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS032X

EKYS331E NONZERO CODE RETURNED BY MACRO *macro* RETURN CODE (R15): *rdrc* MACRO PARM: *macropar*

Explanation: The SCU requested an IMS DPROP service function, but the request failed. The message displays the:

- Name of the macro
- Return code from the macro in hexadecimal/decimal format
- Parameter specified in the macro.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by IMS DPROP services precede this one. Refer to these messages for the appropriate action.

Module: EKYS033X

EKYS332E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number of deadlocks (*nbr*) allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS033X

EKYS333E LIMIT OF *nbr* UNMATCHED DPROP RESOURCES REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of unmatched IMS DPROP resources allowed in this job step execution. The state of some PRs, DBNAMEs, or DBDs have been modified within a unit of work.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS033X

**EKYS334I BACKOUT PERFORMED; RESTARTING TO ACCESS DPROP RESOURCES;
REASON: *scutxt***

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the

IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.

- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS033X

**EKYS341E NONZERO COMPLETION CODE
RETURNED BY MACRO *macro* RETURN
CODE (R15): *rdrc* MACRO PARM:
*macropar***

Explanation: The SCU requested an IMS DPROP service function, but the request failed. The message displays the:

- Name of the macro
- Return code from the macro in hexadecimal/decimal format
- Parameter specified on the macro.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by IMS DPROP services precede this one. Refer to these messages for the appropriate action.

Module: EKYS034X

EKYS342E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number of deadlocks (*nbr*) allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.

- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS034X

EKYS343E LIMIT OF *nbr* UNMATCHED DPROP RESOURCES REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of unmatched IMS DPROP resources allowed in this job step execution. The state of some PRs, DBNAMEs, or DBDs have been modified within a unit of work.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS034X

EKYS344I BACKOUT PERFORMED; RESTARTING TO ACCESS DPROP RESOURCES; REASON: *scutxt*

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already

updated by another SCU executing at the same time or by an authorized QMF user.

- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS034X

EKYS351E NONZERO CODE RETURNED BY MACRO *macro* RETURN CODE (R15): *rdrc* MACRO PARM: *macropar*

Explanation: The SCU requested an IMS DPROP service function, but the request failed. The message displays the:

- Name of the macro
- Return code from the macro in hexadecimal/decimal format
- Parameter specified in the macro.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by IMS DPROP services precede this one. Refer to these messages for the appropriate action.

Module: EKYS035X

EKYS352E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number of deadlocks (*nbr*) allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS035X

EKYS353E LIMIT OF *nbr* UNMATCHED DPROP RESOURCES REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of unmatched IMS DPROP resources allowed in this job step execution. The state of some PRs, DBNAMEs, or DBDs have been modified within a unit of work.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS035X

**EKYS354I BACKOUT PERFORMED; RESTARTING TO ACCESS DPROP RESOURCES;
REASON: *scutxt***

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a

resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS035X

**EKYS361E NONZERO CODE RETURNED BY
MACRO *macro* RETURN CODE (R15):
rdrc MACRO PARM: *macropar***

Explanation: The SCU requested an IMS DPROP service function, but the request failed. The message displays the:

- Name of the macro
- Return code from the macro in hexadecimal/decimal format
- Parameter specified in the macro.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by IMS DPROP services precede this one. Refer to these messages for the appropriate action.

Module: EKYS036X

EKYS362E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number of deadlocks (*nbr*) allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS036X

EKYS363E LIMIT OF *nbr* UNMATCHED DPROP RESOURCES REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of unmatched IMS DPROP resources allowed in this job step execution. The state of some PRs, DBNAMEs, or DBDs have been modified within a unit of work.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS036X

**EKYS364I BACKOUT PERFORMED; RESTARTING TO ACCESS DPROP RESOURCES;
REASON: *scutxt***

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS036X

EKYS371E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DD statement that defines the IMS DPROP status file is missing.

Severity: Error.

System action: SCU processing terminates.

User response: Supply a DD control statement with ddname *ddn* and resubmit the job.

Module: EKYS037X

EKYS372E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DD statement that defines the IMS DPROP status file is missing.

System action: SCU processing terminates.

User response: Provide the DD statement with the identified ddname and resubmit the job.

Module: EKYS037X

**EKYS373E NONZERO CODE RETURNED BY
MACRO *macro* RETURN CODE (R15):
rdrc MACRO PARM: *macropar***

Explanation: The SCU requested an IMS DPROP service function, but the request failed. The message displays the:

- Name of the macro
- Return code from the macro in hexadecimal/decimal format
- Parameter specified in the macro.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by IMS DPROP services precede this one. Refer to these messages for the appropriate action.

Module: EKYS037X

**EKYS381E NONZERO CODE RETURNED BY
MACRO *macro* RETURN CODE (R15):
rdrc MACRO PARM: *macropar***

Explanation: The SCU requested an IMS DPROP service function, but the request failed. The message displays the:

- Name of the macro
- Return code from the macro in hexadecimal/decimal format
- Parameter specified in the macro.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by IMS DPROP

services precede this one. Refer to these messages for the appropriate action.

Module: EKYS038X

EKYS382E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of deadlocks allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS038X

EKYS383E LIMIT OF *nbr* UNMATCHED DPROP RESOURCES REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of unmatched IMS DPROP resources allowed in this job step execution. The state of some PRs, DBNAMEs, or DBDs have been modified within a unit of work.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS038X

**EKYS384I BACKOUT PERFORMED; RESTARTING TO ACCESS DPROP RESOURCES;
REASON: *scutxt***

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can

happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.

- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS038X

EKYS385E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DD statement that defines the IMS DPROP status file is missing. The message provides the name of the missing DD statement.

Severity: Error.

System action: SCU processing terminates.

User response: Supply a DD control statement with ddname *ddn* and resubmit the job.

Module: EKYS038X

**EKYS386E CONTROL STATEMENT REJECTED;
DPROP SYSTEM IS NOT IN AN
EMERGENCY STOPPED STATE**

Explanation: The RESET control statement is not valid if the IMS DPROP system is not in an emergency stopped state.

Severity: Error.

System action: SCU processing terminates.

User response: Delete this input control statement and resubmit the job.

Module: EKYS038X

EKYS387E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DD statement that defines the IMS DPROP status file is missing.

System action: SCU processing terminates.

User response: Provide the DD statement with the identified ddname and resubmit the job.

Module: EKYS038X

EKYS393E LIMIT OF *nbr* UNMATCHED DPROP RESOURCES REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of unmatched IMS DPROP resources allowed in this job step execution. The state of some PRs, DBNAMEs, or DBDs have been modified within a unit of work.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS039X

**EKYS394I BACKOUT PERFORMED; RESTARTING TO ACCESS DPROP RESOURCES;
REASON: *scutxt***

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.

- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS039X

EKYS403E LIMIT OF *nbr* UNMATCHED DPROP RESOURCES REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of unmatched IMS DPROP resources allowed in this job step execution. The state of some PRs, DBNAMEs, or DBDs have been modified within a unit of work.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS040X

**EKYS404I BACKOUT PERFORMED; RESTARTING TO ACCESS DPROP RESOURCES;
REASON: *scutxt***

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can

happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.

- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS040X

**EKYS411E NONZERO CODE RETURNED BY
MACRO *macro* RETURN CODE (R15):
rdrc MACRO PARM: *macropar***

Explanation: The SCU requested an IMS DPROP service function, but the request failed. The message displays the:

- Name of the macro
- Return code from the macro in hexadecimal/decimal format
- Parameter specified in the macro.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by IMS DPROP services precede this one. Refer to these messages for the appropriate action.

Module: EKYS041X

EKYS412E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of deadlocks allowed in this job step execution. See

SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS041X

**EKYS413E LIMIT OF *nbr* UNMATCHED DPROP
RESOURCES REACHED**

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of unmatched IMS DPROP resources allowed in this job step execution. The state of some PRs, DBNAMEs, or DBDs have been modified within a unit of work.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS041X

**EKYS414I BACKOUT PERFORMED; RESTARTING
TO ACCESS DPROP RESOURCES;
REASON: *scutxt***

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already

updated by another SCU executing at the same time or by an authorized QMF user.

- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROF directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS041X

**EKYS421E NONZERO CODE RETURNED BY
MACRO *macro* RETURN CODE (R15):
rdrc MACRO PARM: *macropar***

Explanation: The SCU requested an IMS DPROF service function, but the request failed. The message displays the:

- Name of the macro
- Return code from the macro in hexadecimal/decimal format
- Parameter specified in the macro.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by IMS DPROF services precede this one. Refer to these messages for the appropriate action.

Module: EKYS042X

EKYS422E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number of deadlocks (*nbr*) allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROF directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS042X

**EKYS423E LIMIT OF *nbr* UNMATCHED DPROF
RESOURCES REACHED**

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of unmatched IMS DPROF resources allowed in this job step execution. The state of some PRs, DBNAMEs, or DBDs have been modified within a unit of work.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROF directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS042X

**EKYS424I BACKOUT PERFORMED; RESTARTING
TO ACCESS DPROF RESOURCES;
REASON: *scutxt***

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROF directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROF directory.
- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROF directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROF directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROF directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.

- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS042X

**EKYS431E NONZERO CODE RETURNED BY
MACRO *macro* RETURN CODE (R15):
rdrc MACRO PARM: *macropar***

Explanation: The SCU requested an IMS DPROP service function, but the request failed. The message displays the:

- Name of the macro
- Return code from the macro in hexadecimal/decimal format
- Parameter specified in the macro.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by IMS DPROP services precede this one. Refer to these messages for the appropriate action.

Module: EKYS043X

EKYS432E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of deadlocks allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS043X

**EKYS433E LIMIT OF *nbr* UNMATCHED DPROP
RESOURCES REACHED**

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of unmatched IMS DPROP resources allowed in this job step execution. The state of some PRs, DBNAMEs, or DBDs have been modified within a unit of work.

This problem can occur when:

- More than one SCU is executing at the same time.

- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS043X

**EKYS434I BACKOUT PERFORMED; RESTARTING
TO ACCESS DPROP RESOURCES;
REASON: *scutxt***

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS043X

**EKYS441E NONZERO CODE RETURNED BY
MACRO *macro* RETURN CODE (R15):
rdrc MACRO PARM: *macropar***

Explanation: The SCU requested an IMS DPROP service function, but the request failed. The message displays the:

- Name of the macro
- Return code from the macro in hexadecimal/decimal format
- Parameter specified in the macro.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by IMS DPROP services precede this one. Refer to these messages for the appropriate action.

Module: EKYS044X

EKYS442E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of deadlocks allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS044X

**EKYS443E LIMIT OF *nbr* UNMATCHED DPROP
RESOURCES REACHED**

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of unmatched IMS DPROP resources allowed in this job step execution. The state of some PRs, DBNAMEs, or DBDs have been modified within a unit of work.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS044X

**EKYS444I BACKOUT PERFORMED; RESTARTING
TO ACCESS DPROP RESOURCES;
REASON: *scutxt***

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS044X

**EKYS451E NONZERO CODE RETURNED BY
MACRO *macro* RETURN CODE (R15):
rdrc MACRO PARM: *macropar***

Explanation: The SCU requested an IMS DPROP service function, but the request failed. The message displays the:

- Name of the macro
- Return code from the macro in hexadecimal/decimal format
- Parameter specified in the macro.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by IMS DPROP services precede this one. Refer to these messages for the appropriate action.

Module: EKYS045X

EKYS452E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of deadlocks allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS045X

EKYS453E LIMIT OF *nbr* UNMATCHED DPROP RESOURCES REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of unmatched IMS DPROP resources allowed in this job step execution. The state of some PRs, DBNAMEs, or DBDs have been modified within a unit of work.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS045X

**EKYS454I BACKOUT PERFORMED; RESTARTING TO ACCESS DPROP RESOURCES;
REASON: *scutxt***

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.

- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS045X

EKYS455E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DD statement that defines the IMS DPROP status file is missing. The message shows the name of the missing DD statement.

Severity: Error.

System action: SCU processing terminates.

User response: Supply the missing DD statement and resubmit the job.

Module: EKYS045X

**EKYS456E NONZERO CODE RETURNED BY
MACRO *macro* WHEN INITIALIZING CIA
SERVICES RETURN CODE (R15): *rd/rc***

Explanation: The SCU was unable to initialize CIA services. This message displays the:

- Name of the macro used to initialize CIA services
- Return code from the macro in hexadecimal/decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by CIA services precede this one. Refer to these messages for the appropriate action.

Module: EKYS045X

EKYS457E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DD statement that defines the IMS DPROP status file is missing. The message shows the name of the missing DD statement.

Severity: Error.

System action: SCU processing terminates.

User response: Supply the missing DD statement and resubmit the job.

Module: EKYS045X

EKYS458E NONZERO CODE RETURNED BY MACRO *macro* WHEN PURGING THE VLF CLASS RETURN CODE (R15): *rdrc*

Explanation: The SCU requested an IMS DPROP service function to purge the VLF class, but the request failed. This message displays the :

- Name of the macro used to request IMS DPROP services
- Return code from the macro in hexadecimal/decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by IMS DPROP services precede this one. Refer to these messages for the appropriate action.

Module: EKYS045X

EKYS461E NONZERO CODE RETURNED BY MACRO *macro* RETURN CODE (R15): *rdrc* MACRO PARM: *macropar*

Explanation: The SCU requested an IMS DPROP service function, but the request failed. The message displays the:

- Name of the macro
- Return code from the macro in hexadecimal/decimal format
- Parameter specified in the macro.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by IMS DPROP services precede this one. Refer to these messages for the appropriate action.

Module: EKYS046X

EKYS462E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of deadlocks allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS046X

EKYS463E LIMIT OF *nbr* UNMATCHED DPROP RESOURCES REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of unmatched IMS DPROP resources allowed in this job step execution. The state of some PRs, DBNAMEs, or DBDs have been modified within a unit of work.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS046X

EKYS464I BACKOUT PERFORMED; RESTARTING TO ACCESS DPROP RESOURCES; REASON: *scutxt*

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.

- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS046X

EKYS465E DD STATEMENT WITH DDNAME *ddn* IS MISSING

Explanation: The DD statement that defines the IMS DPROP status file is missing. The message provides the name of the missing DD statement.

Severity: Error.

System action: SCU processing terminates.

User response: Supply a DD control statement with ddname *ddn* and resubmit the job.

Module: EKYS046X

EKYS466I DPROP SYSTEM STATUS: UNKNOWN STATUS FILE DATA UNAVAILABLE

Explanation: While processing a DISPLAY control statement, the SCU detected that the IMS DPROP status file data was unavailable.

Severity: Information.

System action: Processing continues.

Module: EKYS046X

**EKYS467I DPROP SYSTEM STATUS: *dprsta*
DPROP SYSTEM NAME: *dprname*
DPROP SYSTEM LEVEL: *dprlv***

Explanation: The SCU issues this message in response to a DISPLAY control statement. The message shows the IMS DPROP system status (*dprsta*), the IMS DPROP system name (*dprname*), and the IMS DPROP system level (*dprlv*).

Severity: Information.

System action: Processing continues.

Module: EKYS046X

**EKYS468I ESTIMATED VLF OBJECT SIZE: *vlfobjs*
BYTES VLF CLASS NAME: *vlfname***

Explanation: The SCU issues this message in response to a DISPLAY statement. The message shows the VLF object size (*vlfobjs*) and the VLF class name (*vlfname*).

Severity: Information.

System action: Processing continues.

Module: EKYS046X

EKYS469I VLF OBJECT SIZE: UNKNOWN DPROP DIRECTORY DATA UNAVAILABLE

Explanation: While processing the DISPLAY statement, the SCU was unable to access the IMS DPROP directory.

Severity: Information.

System action: Processing continues.

Module: EKYS046X

**EKYS501E VALUE *value* IN KEYWORD *keyword*
UNKNOWN AS DPROP RESOURCE**

Explanation: The value specified in the identified keyword is not a known IMS DPROP resource. The SCU accepts only values that are defined in the IMS DPROP directory.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS050X

**EKYS502E THE COMBINATION OF THE
FOLLOWING KEYS: VALUE *value* IN
DBD= VALUE *value* IN PRSET= LEADS
TO UNKNOWN DPROP RESOURCE**

Explanation: One of the following occurred:

- The DBD= or PRSET= value is not a known IMS DPROP resource.
- The combination of DBD= and PRSET= values results in an unknown or unmatched IMS DPROP resource.

The SCU rejects all values that are not defined in IMS DPROP directory or that result in unmatched IMS DPROP resources.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS050X

EKYS503E THE COMBINATION OF THE FOLLOWING KEYS: VALUE *value* IN DBD= VALUE *value* IN SEG= LEADS TO UNKNOWN DPROP RESOURCE

Explanation: One of the following occurred:

- The DBD= or SEG= value is not a known IMS DPROP resource.
- The combination of DBD= and SEG= values results in an unknown or unmatched IMS DPROP resource. The SCU rejects all values that are not defined in the IMS DPROP directory or that result in unmatched IMS DPROP resources.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS050X

EKYS504E THE COMBINATION OF THE FOLLOWING KEYS: VALUE *value* IN DBD= VALUE *value* IN SEG= VALUE *value* IN PRSET= LEADS TO UNKNOWN DPROP RESOURCE

Explanation: One of the following occurred:

- The DBD=, SEG= or PRSET= value is not a known IMS DPROP resource.
- The combination of the DBD=, SEG=, and PRSET= values results in an unknown or unmatched IMS DPROP resource. The SCU rejects all values that are not defined in the IMS DPROP directory or that result in unmatched IMS DPROP resources.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS050X

EKYS505E NO DPROP RESOURCE FOUND

Explanation: The SCU detected input control statements for which IMS DPROP resources are not defined in the IMS DPROP directory.

Severity: Error.

System action: SCU processing terminates.

User response: Populate the IMS DPROP directory and resubmit the job.

Module: EKYS050X

EKYS506E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of deadlocks allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS050X

**EKYS507I BACKOUT PERFORMED; RESTARTING TO ACCESS DPROP RESOURCES;
REASON: *scutxt***

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.

- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROF directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS050X

**EKYS511E VALUE *value* IN KEYWORD *keyword*
UNKNOWN OR INCONSISTENT AS A
DB2 RESOURCE**

Explanation: The value specified in the identified keyword is not a known DB2 resource. The SCU accepts only values that are defined in the DB2 Catalog.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS051X

**EKYS512E THE COMBINATION OF THE
FOLLOWING KEYS: VALUE *value* IN
DB2DB= VALUE *value* IN SPACE=
LEADS TO UNKNOWN DB2
RESOURCE**

Explanation: One of the following occurred:

- The DB2DB= or SPACE= value identified in the message is not a known DB2 resource.
- The combination of DB2DB= and SPACE= values results in an unknown or unmatched DB2 resource.

The SCU rejects all values that are not defined in DB2 Catalog or that result in unmatched DB2 resources.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS051X

**EKYS521I JOBSTEP SUMMARY (RESOURCE
MISMATCH (IF ANY) AND HIGHEST
RETURN CODE)**

Explanation: The SCU issues this message at job step termination to provide a heading for the job step summary and access statistics.

Severity: Information.

System action: Processing continues.

Module: EKYS052X

**EKYS531I RESOURCE MISMATCH; START
PRID=*pr* END PRID=*pr* RETURN CODE:
*rc***

Explanation: The SCU issues this message at job step termination if PRs were inserted or deleted between the job step startup and end times. These modifications did not affect the successful execution of each control statement.

Severity: Information.

System action: Processing continues.

Module: EKYS053X

**EKYS532W RESOURCE MISMATCH; START
PRID=*pr* END PRID=*pr* RETURN CODE:
*rc***

Explanation: The SCU issues this message at job step termination if PRs were inserted or deleted between the job step startup and end times. These modifications didn't affect the successful execution of each control statement.

Severity: Warning.

System action: Processing continues.

Module: EKYS053X

**EKYS533I RESOURCE MISMATCH; START
DBNAME=*dbd* END DBNAME=*dbd*
RETURN CODE: *rc***

Explanation: The SCU issues this message at job step termination if some DBNAMEs were updated between the job step startup and end times. These modifications didn't affect the successful execution of each control statement.

Severity: Information.

System action: Processing continues.

Module: EKYS053X

**EKYS534W RESOURCE MISMATCH; START
DBNAME=*dbd* END DBNAME=*dbd*
RETURN CODE: *rc***

Explanation: This message appears at job step termination if the SCU detected that some DBNAMEs were inserted or deleted between the job step startup time and end time. These modifications didn't affect the successful execution of each control statement.

Severity: Warning.

System action: Processing continues.

Module: EKYS053X

**EKYS535I RESOURCE MISMATCH; START
DBD=*dbd* END DBD=*dbd* RETURN
CODE: *rc***

Explanation: The SCU issues this message at job step termination if some DBDs were updated between the job step startup and end times. These modifications didn't affect the successful execution of each control statement.

Severity: Information.

System action: Processing continues.

Module: EKYS053X

**EKYS536W RESOURCE MISMATCH; START
DBD=*dbd* END DBD=*dbd* RETURN
CODE: *rc***

Explanation: The SCU issues this message at job step termination if some DBDs were inserted or deleted between the job step startup and end times. These modifications didn't affect the successful execution of each control statement.

Severity: Warning.

System action: Processing continues.

Module: EKYS053X

**EKYS537I *nbr resource* AT JOBSTEP START TIME
AND *nbr resource* AT JOBSTEP END
TIME PROCESSED**

Explanation: The SCU issues this message at job step termination if some IMS DPROP resources were modified between the job step startup and end times. These modifications didn't affect the successful execution of each control statement. The value *nbr* tells how many IMS DPROP resources were modified.

Severity: Information.

System action: Processing continues.

Module: EKYS053X

**EKYS539I JOB COMPLETED SUCCESSFULLY -
HIGHEST RETURN CODE: *rc***

Explanation: The SCU issues this message at job step termination.

Severity: Information.

System action: Processing continues.

Module: EKYS053X

**EKYS541I RESOURCE MISMATCH; START
DBD=*dbd* END DBD=*dbd* RETURN
CODE: *rc***

Explanation: The SCU issues this message at job step termination if DBDs were inserted or deleted between the job step startup and end times. These modifications did not affect the successful execution of each control statement.

Severity: Information.

System action: Processing continues.

Module: EKYS0954X

**EKYS542W RESOURCE MISMATCH; START
DBD=*dbd* END DBD=*dbd* RETURN
CODE: *rc***

Explanation: The SCU issues this message at job step termination if DBDs were inserted or deleted between the job step startup and end times. These modifications didn't affect the successful execution of each control statement.

Severity: Warning.

System action: Processing continues.

Module: EKYS0954X

**EKYS543I RESOURCE MISMATCH; START
DBNAME=*dbd* END DBNAME=*dbd*
RETURN CODE: *rc***

Explanation: The SCU issues this message at job step termination if some DB2DBs were updated between the job step startup and end times. These modifications didn't affect the successful execution of each control statement.

Severity: Information.

System action: Processing continues.

Module: EKYS0954X

**EKYS544W RESOURCE MISMATCH; START
DB2DB=*db2db* END DB2DB=*db2db*
RETURN CODE: *rc***

Explanation: This message appears at job step termination if the SCU detected that some DB2DBs

were inserted or deleted between the job step startup time and end time. These modifications didn't affect the successful execution of each control statement.

Severity: Warning.

System action: Processing continues.

Module: EKYS0954X

**EKYS547I *nbr resource* AT JOBSTEP START TIME
AND *nbr resource* AT JOBSTEP END
TIME PROCESSED**

Explanation: The SCU issues this message at job step termination if some IMS DPROP resources were modified between the job step startup and end times. These modifications didn't affect the successful execution of each control statement. The value *nbr* tells how many IMS DPROP resources were modified.

Severity: Information.

System action: Processing continues.

Module: EKYS0954X

**EKYS549I JOB COMPLETED SUCCESSFULLY -
HIGHEST RETURN CODE: *rc***

Explanation: The SCU issues this message at job step termination.

Severity: Information.

System action: Processing continues.

Module: EKYS0954X

**EKYS561E UNEXPECTED RESULT WHILE
ANALYZING THE RESPONSE OF A
'-DISPLAY DATABASE'
DB2-COMMAND. DATABASE NAME:
database DATABASE STATUS: *status*
TABLESPACE NAME: *tablespace*
TABLESPACE STATUS: *status***

Explanation: The database and/or the tablespace status contain unsupported status, or the IFI return area contains unexpected data. The database is not set to RO or RW, or the JOBLIB or STEPLIB statement probably contains an incorrect DB2 release specification.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the error and resubmit the job.

Module: EKYS056X

**EKYS591E CAF CONNECTION FAILURE: DB2 IS
CURRENTLY TERMINATING WITH
MODE=FORCE OR MODE=ABEND
TERMINATION ECB: *ecb* RETURN
CODE (R15): *rdrc* REASON CODE (R0):
*rsn/rsn***

Explanation: This message describes a Call Attach facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: See DB2 Messages and Codes for the appropriate action.

Module: EKYS059X

**EKYS592E CAF CONNECTION FAILURE:
TERMINATION ECB IS NOT POSTED
BUT CONTAINS A NONZERO VALUE IN
IT TERMINATION ECB: *ecb* RETURN
CODE (R15): *rdrc* REASON CODE (R0):
*rsn/rsn***

Explanation: This message describes a Call Attach facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: See DB2 Messages and Codes for the appropriate action.

Module: EKYS059X

**EKYS593E NONZERO CODE RETURNED BY
MACRO *macro* RETURN CODE (R15):
*rdrc***

Explanation: The SCU requested an IMS DPROP service function, but the request failed. The message displays the:

- Name of the macro
- Return code from the macro in hexadecimal/decimal format

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by IMS DPROP services precede this one. Refer to these messages for the appropriate action.

Module: EKYS059X

EKYS594E IFI CONNECTION FAILURE:
INSTRUMENTATION FACILITY ERROR
IFI CALL PARAMETER 1, FUNCTION:
func RETURN CODE (R15): *rdrc*
REASON CODE (R0): *rsn/rsn*

Explanation: This message describes an Instrumentation Facility Interface (IFI) failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: See DB2 Messages and Codes for the appropriate action.

Module: EKYS059X

EKYS595E IFI CONNECTION FAILURE:
INSTRUMENTATION FACILITY ERROR
IFI CALL PARAMETER 1, FUNCTION:
func RETURN CODE (R15): *rdrc*
REASON CODE (R0): *rsn/rsn* RETURN
AREA LENGTH: *length* BYTES MOVED
IN RETURN AREA: *bytes* BYTES NOT
MOVED IN RETURN AREA: *bytes*

Explanation: This message describes an Instrumentation Facility Interface (IFI) failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: See DB2 Messages and Codes for the appropriate action.

Module: EKYS059X

EKYS596E IFI CONNECTION FAILURE:
INSTRUMENTATION FACILITY ERROR
SEE NEXT MESSAGE(S) (EKYS597E)
FOR MORE DETAILED INFORMATION
IFI CALL PARAMETER 1: FUNCTION
func RETURN CODE (R15): *rdrc*
REASON CODE (R0): *rsn/rsn*

Explanation: This message describes an Instrumentation Facility Interface (IFI) failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: See DB2 Messages and Codes for the appropriate action.

Module: EKYS059X

EKYS597E MESSAGE TEXT: *text*

Explanation: This message describes an Instrumentation Facility Interface (IFI) failure and provides problem determination information. This message always follows message EKYS596E

Severity: Error.

System action: SCU processing terminates.

User response: See DB2 Messages and Codes for the appropriate action.

Module: EKYS059X

EKYS601E NONZERO SQL CODE RETURNED
WHEN INSERTING A ROW FOR TABLE
tablename SQLCODE: *sqlcode/sqlcode*

Explanation: The SCU issued an SQL statement to insert a row in table *tablename*. DB2 returned SQL code *sqlcode* which is shown in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the error based on the meaning of the SQL code. Then resubmit the job.

Module: EKYS060X

EKYS602E NONZERO SQL CODE RETURNED
WHEN OPENING A CURSOR FOR
TABLE *tablename* SQLCODE:
sqlcode/sqlcode

Explanation: The SCU issued an SQL statement to open a cursor. DB2 returned SQL code *sqlcode* which is shown in hexadecimal and decimal. The referenced table name is *tablename*.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the error based on the meaning of the SQL code. Then resubmit the job.

Module: EKYS060X

EKYS603E NONZERO SQL CODE RETURNED
WHEN FETCHING A ROW FOR TABLE
tablename SQLCODE: *sqlcode/sqlcode*

Explanation: The SCU issued an SQL statement to fetch a row in table *tablename*. DB2 returned SQL code *sqlcode* which is shown in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the error based on the meaning of the SQL code. Then resubmit the job.

Module: EKYS060X

**EKYS604E NONZERO SQL CODE RETURNED
WHEN CLOSING A CURSOR FOR
TABLE *tablename* SQLCODE:
sqlcode/*sqlcode***

Explanation: The SCU issued an SQL statement to close a cursor. DB2 returned SQL code *sqlcode* which is shown in hexadecimal and decimal format. The referenced table name is *tablename*.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the error based on the meaning of the SQL code. Then resubmit the job.

Module: EKYS060X

**EKYS605E NONZERO SQL CODE RETURNED
WHEN LOCKING TABLE *tablename*
SQLCODE: *sqlcode*/*sqlcode***

Explanation: The SCU issued an SQL statement to lock a table. DB2 returned an SQL code *sqlcode* which is shown in hexadecimal and decimal format. The referenced table name is *tablename*.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the error based on the meaning of the SQL code. Then resubmit the job.

Module: EKYS060X

**EKYS606E UNEXPECTED NUMBER OF ROWS
FOUND IN TABLE *tablename*
EXPECTED NUMBER: 0 FOUND
NUMBER: *nbr***

Explanation: The SCU found an unexpected number of rows in the IMS DPROP master table. This can occur when an authorized QMF user has inserted rows in this table.

Severity: Error.

System action: SCU processing terminates.

User response: Delete the unwanted rows and resubmit the job.

Module: EKYS060X

EKYS701E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of deadlocks allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS070X

**EKYS702I BACKOUT PERFORMED; RESTARTING
TO ACCESS DPROP RESOURCES;
REASON: *scutxt***

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS070X

**EKYS711E NONZERO CODE RETURNED BY
MACRO *macro* RETURN CODE (R15):
rdrc MACRO PARM1: FUNC=*func*
MACRO PARM2: DBD=*dbd* MACRO
PARM3: SEG=*seg* MACRO PARM4:
AREA=*addr* MACRO PARM5: LEN=*len***

Explanation: The SCU requested an IMS DPROP service function, but the request failed. The message variables have the following meanings:

macro The macro name, EKYCIAPR

rc The return code from the macro in hexadecimal/decimal format

func The value passed in the 1st parameter to this macro

dbd The value passed in the 2nd parameter to this macro

seg The value passed in the 3rd parameter to this macro

area The value passed in the 4th parameter to this macro

len The value passed in the 5th parameter to this macro

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by the IMS DPROP service function precede this one. Refer to these messages for the appropriate action.

Module: EKYS070X

**EKYS791E DD STATEMENT WITH DDNAME *ddn* IS
MISSING**

Explanation: The DD statement with ddname *ddn* is missing.

Severity: Error.

System action: SCU processing terminates.

User response: Supply the missing DD statement.

Module: EKYS079X

**EKYS792E NONZERO CODE RETURNED BY
MODULE *module* WHEN FINDING THE
TYPE OF DATABASE RETURN CODE
(R15): *rdrc***

Explanation: The SCU tried to LINK to DBRC to get the DBRC control level, but the LINK request failed. The message shows the LINK return code in hexadecimal and decimal.

Severity: Error.

System action: SCU processing terminates.

User response: Check the return codes from the LINK macro in OS/390 MVS Application Development Guide. Correct the error and resubmit the job.

Module: EKYS079X

**EKYS793E DD STATEMENT WITH DDNAME *ddn* IS
MISSING**

Explanation: The DD statement with ddname *ddn* is missing.

Severity: Error.

System action: SCU processing terminates.

User response: Supply a DD statement and resubmit the job.

Module: EKYS079X

**EKYS794E UNEXPECTED RESULT WHILE
ANALYZING THE RESPONSE OF A
LIST.DB OR LIST.DBDS DBRC
COMMAND POSSIBLE DBRC RELEASE
CONFLICT**

Explanation: The DBRC output file contains unexpected data. The JOBLIB or STEPLIB statement probably contains an incorrect DBRC release specification.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the error and resubmit the job.

Module: EKYS079X

**EKYS795E UNEXPECTED RESULT WHILE
ANALYZING THE RESPONSE OF A
LIST.DB OR LIST.DBDS DBRC
COMMAND UNANTICIPATED VALUE
FOUND AFTER FOLLOWING STRING:
'*string*' POSSIBLE DBRC RELEASE
CONFLICT**

Explanation: The SCU was unable to find the *string* keyword in the output from the DBRC command. The JOBLIB or STEPLIB control statement probably contains an incorrect DBRC release specification.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job after correcting the error.

Module: EKYS079X

EKYS796E VALUE *value* IN DBD= UNKNOWN TO, OR INVALID AS DBRC RESOURCE

Explanation: The SCU did not find the expected value following the keyword DBD= in the DBRC output data set. The JOBLIB or STEPLIB control statement is probably specified incorrectly.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job after correcting the error.

Module: EKYS079X

EKYS797E VALUE *value* IN DBD= IS NOT DEFINED IN A SYSTEM WITH FULL DBRC DATA SHARING CONTROL

Explanation: The SCU did not find the expected value following the keyword DBD= in the DBRC output data set. This value must be defined in a system with full DBRC data sharing. The JOBLIB or STEPLIB control statement is probably specified incorrectly.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job after correcting the error.

Module: EKYS079X

EKYS798E VALUE *value* IN DBD= IS NOT DEFINED AS A DL/I TYPE OF DATABASE IN DBRC

Explanation: The SCU did not find the expected value following the keyword DBD= in the DBRC output data set. This value must be defined in a system with full DBRC data sharing. The JOBLIB or STEPLIB control statement is probably specified incorrectly.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job after correcting the error.

Module: EKYS079X

**EKYS801E UNEXPECTED DPROP NAME/TOKEN IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected discrepancies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS080X

**EKYS802E UNEXPECTED DPROP NAME/TOKEN IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected discrepancies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS080X

**EKYS803E UNEXPECTED DPROP NAME/TOKEN IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected discrepancies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again specifying the correct DBRMs. Then resubmit the job.

Module: EKYS080X

**EKYS811E UNEXPECTED DPROP NAME/TOKEN IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected discrepancies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again specifying the correct DBRMs. Then resubmit the job.

Module: EKYS081X

**EKYS812E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected discrepancies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again specifying the correct DBRMs. Then resubmit the job.

Module: EKYS081X

**EKYS813E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected discrepancies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again specifying the correct DBRMs. Then resubmit the job.

Module: EKYS081X

**EKYS820A DATABASE/TABLESPACE
database-tablespace IS UPDATED BY
CONNID/CORRID *connid-corrid***

Explanation: The SCU sends this message to the MVS console when it processes an ACTIVATE, DEACTIVATE, SUSPEND, or READON statement and detects that a subsystem is holding an update authority for a propagated table. Message EKYS822A follows this message.

Severity: Action

System action: Processing continues.

User response: See message EKYS822A for the appropriate action.

Module: EKYS082X

EKYS821A DBD *dbd* IS UPDATED BY SSID *ssid*

Explanation: The SCU sends this message to the MVS console when it processes an ACTIVATE, DEACTIVATE, SUSPEND, or READON statement and detects that a subsystem is holding an update authority

for a DBRC registered full function database. The variable *dbd* is the name of the DBRC registered full-function database; *ssid* is the IMS subsystem holding the update authority. Message EKYS822A follows this message.

Severity: Action

System action: Processing continues.

User response: See message EKYS822A for the appropriate action.

Module: EKYS082X

**EKYS822A WAIT FOR JOBS TO COMPLETE OR
REPLY 'LIST' TO GET A NEW LIST OR
'TERM' TO END THE JOB**

Explanation: SCU sends this message to the MVS console when it processes an ACTIVATE, DEACTIVATE, SUSPEND, or READON control statement and detects that a subsystem is holding an update authority for a DBRC registered full function database. This message follows message EKYS821A.

Severity: Action

System action: The SCU waits until all IMS subsystems release their update authority or until the operator replies TERM or LIST.

User response: Do the following:

1. Wait until all IMS subsystems have released their update authority.
2. Cancel the IMS subsystems that hold update authority.
3. Reply LIST to obtain a refreshed list of IMS subsystems that hold update authority.
4. Reply TERM to terminate SCU processing immediately.

Module: EKYS082X

**EKYS823A INVALID REPLY; WAIT FOR JOBS TO
COMPLETE OR REPLY 'LIST' TO GET
A NEW LIST OR 'TERM' TO END THE
JOB**

Explanation: The SCU sends this message to the MVS console if the operator replied incorrectly to message EKYS822A.

Severity: Action

System action: The SCU waits until all IMS subsystems release their update authority or until the operator replies TERM or LIST.

User response: Do the following:

1. Wait until all IMS subsystems have released their update authority.
2. Cancel the IMS subsystems that hold update authority.

3. Reply LIST to obtain a refreshed list of IMS subsystems that hold update authority.
4. Reply TERM to terminate SCU processing immediately.

Module: EKYS082X

**EKYS824E NONZERO CODE RETURNED BY
MACRO *macro* WHEN ISSUING A
WTOR MESSAGE RETURN CODE
(R15): *rdrc***

Explanation: The SCU tried to write a message to the MVS console by issuing a WTOR request, but the request failed. The message shows the return code from the WTOR in hexadecimal and decimal. This is probably a user error.

Severity: Error.

System action: SCU processing terminates.

User response: For an explanation of the WTOR return code, see OS/390 MVS Application Development Guide. Look at the JES log that precedes this message. Correct the error and resubmit the job.

Module: EKYS082X

**EKYS825E NONZERO CODE RETURNED BY
MACRO *macro* WHEN ISSUING A WAIT
REQUEST RETURN CODE (R15): *rdrc***

Explanation: The WAIT request issued by the SCU failed. The message shows the return code from the WAIT request in hexadecimal and decimal. This is probably a user error.

Severity: Error.

System action: SCU processing terminates.

User response: For an explanation of the WAIT return code, see OS/390 MVS Application Development Guide. Look at the JES log that precedes this message. Correct the error and resubmit the job.

Module: EKYS082X

**EKYS826E NONZERO CODE RETURNED BY
MACRO *macro* WHEN ISSUING A POST
REQUEST RETURN CODE (R15): *rdrc***

Explanation: The POST request issued by the SCU failed. The message shows the return code from the POST request in hexadecimal and decimal. This is probably a user error.

Severity: Error.

System action: SCU processing terminates.

User response: For an explanation of the POST return code, see OS/390 MVS Application Development Guide. Look at the JES log that precedes this message. Correct the error and resubmit the job.

Module: EKYS082X

**EKYS827E NONZERO CODE RETURNED BY
MACRO *macro* WHEN ISSUING A
TIMER REQUEST RETURN CODE
(R15): *rdrc***

Explanation: The SCU tried to wait for a time cycle to complete before continuing to process, but the TIMER request failed. The message shows the TIMER return code in hexadecimal and decimal. This is probably a user error.

Severity: Error.

System action: SCU processing terminates.

User response: For an explanation of the TIMER return code, see OS/390 MVS Application Development Guide. Look at the JES log that precedes this message. Correct the error and resubmit the job.

Module: EKYS082X

**EKYS828E NONZERO CODE RETURNED BY
MACRO *macro* WHEN ISSUING A
DELETE MESSAGE REQUEST RETURN
CODE (R15): *rdrc***

Explanation: The SCU tried to delete a pending message on the MVS console by issuing a DELETE request, but the request failed.

Severity: Error.

System action: SCU processing terminates.

User response: For an explanation of the DELETE return code, see OS/390 MVS Application Development Guide. Look at the JES log that precedes this message. This is probably a user error. Correct the error and resubmit the job.

Module: EKYS082X

**EKYS829E PROCESSING INTERRUPTED ON
OPERATOR'S REQUEST - RETURN
CODE: *rc***

Explanation: The SCU terminated because the operator replied TERM on outstanding reply. See message EKYS822A or message EKYS823A for more information.

Severity: Error.

System action: SCU processing terminates.

Module: EKYS082X

**EKYS831E VALUE *value* IN KEYWORD *keyword*
UNKNOWN AS DPROP RESOURCE**

Explanation: The value specified in the identified keyword is not a known IMS DPROP resource. The

SCU accepts only values that are defined in the IMS DPROP directory.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS083X

EKYS832E THE COMBINATION OF THE FOLLOWING KEYS: VALUE *value* IN DBD= VALUE *value* IN PRSET= LEADS TO UNKNOWN DPROP RESOURCE

Explanation: One of the following occurred:

- The DBD= or PRSET= value is not a known IMS DPROP resource.
- The combination of DBD= and PRSET= values results in an unknown or unmatched IMS DPROP resource.

The SCU rejects all values that are not defined in IMS DPROP directory or that result in unmatched IMS DPROP resources.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS083X

EKYS833E THE COMBINATION OF THE FOLLOWING KEYS: VALUE *value* IN DBD= VALUE *value* IN SEG= LEADS TO UNKNOWN DPROP RESOURCE

Explanation: One of the following occurred:

- The DBD= or SEG= value is not a known IMS DPROP resource.
- The combination of DBD= and SEG= values results in an unknown or unmatched IMS DPROP resource. The SCU rejects all values that are not defined in the IMS DPROP directory or that result in unmatched IMS DPROP resources.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS083X

EKYS834E THE COMBINATION OF THE FOLLOWING KEYS: VALUE *value* IN DBD= VALUE *value* IN SEG= VALUE *value* IN PRSET= LEADS TO UNKNOWN DPROP RESOURCE

Explanation: One of the following occurred:

- The DBD=, SEG= or PRSET= value is not a known IMS DPROP resource.
- The combination of the DBD=, SEG=, and PRSET= values results in an unknown or unmatched IMS DPROP resource. The SCU rejects all values that are not defined in the IMS DPROP directory or that result in unmatched IMS DPROP resources.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS083X

EKYS835E NO DPROP RESOURCE FOUND

Explanation: The SCU detected control statements in the input control data set for which IMS DPROP resources are not defined in the IMS DPROP directory.

Severity: Error.

System action: SCU processing terminates.

User response: Populate the IMS DPROP directory and resubmit the job.

Module: EKYS083X

EKYS836E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of deadlocks allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS083X

**EKYS837I BACKOUT PERFORMED; RESTARTING TO ACCESS DPROP RESOURCES;
REASON: *scutxt***

Explanation: The SCU will reprocess its current unit

of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS083X

**EKYS841E VALUE *value* IN KEYWORD *keyword*
UNKNOWN AS DPROP RESOURCE**

Explanation: The value specified in the identified keyword is not a known IMS DPROP resource. The SCU accepts only values that are defined in the IMS DPROP directory.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS084X

**EKYS842E THE COMBINATION OF THE
FOLLOWING KEYS: VALUE *value* IN
DBD= VALUE *value* IN PRSET= LEADS
TO UNKNOWN DPROP RESOURCE**

Explanation: One of the following occurred:

- The DBD= or PRSET= value is not a known IMS DPROP resource.
- The combination of DBD= and PRSET= values results in an unknown or unmatched IMS DPROP resource.

The SCU rejects all values that are not defined in IMS DPROP directory or that result in unmatched IMS DPROP resources.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS084X

**EKYS843E THE COMBINATION OF THE
FOLLOWING KEYS: VALUE *value* IN
DBD= VALUE *value* IN SEG= LEADS TO
UNKNOWN DPROP RESOURCE**

Explanation: One of the following occurred:

- The DBD= or SEG= value is not a known IMS DPROP resource.
- The combination of DBD= and SEG= values results in an unknown or unmatched IMS DPROP resource. The SCU rejects all values that are not defined in the IMS DPROP directory or that result in unmatched IMS DPROP resources.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS084X

**EKYS844E THE COMBINATION OF THE
FOLLOWING KEYS: VALUE *value* IN
DBD= VALUE *value* IN SEG= VALUE
value IN PRSET= LEADS TO
UNKNOWN DPROP RESOURCE**

Explanation: One of the following occurred:

- The DBD=, SEG= or PRSET= value is not a known IMS DPROP resource.
- The combination of the DBD=, SEG=, and PRSET= values results in an unknown or unmatched IMS DPROP resource. The SCU rejects all values that are not defined in the IMS DPROP directory or that result in unmatched IMS DPROP resources.

Severity: Error.

System action: SCU processing terminates.

User response: Correct the input control statement and resubmit the job.

Module: EKYS084X

EKYS845E NO DPROP RESOURCE FOUND

Explanation: The SCU detected control statements in the input control data set for which IMS DPROP resources are not defined in the IMS DPROP directory.

Severity: Error.

System action: SCU processing terminates.

User response: Populate the IMS DPROP directory and resubmit the job.

Module: EKYS084X

EKYS846E LIMIT OF *nbr* DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) or deadlocks allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS084X

EKYS847I BACKOUT PERFORMED; RESTARTING TO ACCESS DPROP RESOURCES; REASON: *scutxt*

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the

IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.

- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN DBD(S):** The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized DBRC user.
- **CHANGED DATA DETECTED IN DB(S):** The SCU detected that an entry in the DB2 catalog for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DB2 user.

Severity: Information.

System action: Processing continues.

Module: EKYS084X

EKYS850I PRID=*pr* IS REPLACED - RETURN CODE: *rc*

Explanation: This message tells the operator that the SCU successfully updated PR *pr* in the IMS DPROP directory. The return code is always zero.

Severity: Information.

System action: Processing continues.

Module: EKYS085X

EKYS851W PRID=*pr* IS REPLACED - RETURN CODE: *rc* (ALREADY IN REQUESTED STATE)

Explanation: This message warns the operator that the SCU updated PR *pr* in the IMS DPROP directory, but the PR was already in the requested state. The return code is always 4.

Severity: Warning.

System action: Processing continues.

Module: EKYS085X

EKYS852I DBD=*dbd* IS VERIFIED - RETURN CODE: *rc*

Explanation: This message tells the operator that the SCU successfully verified DBD *dbd* in the RECON data set. The return code is always zero.

Severity: Information.

System action: Processing continues.

Module: EKYS085X

EKYS853W DBD=*dbd* IS VERIFIED - RETURN CODE: *rc* (NOT REGISTERED AS FULL FUNCTION DATABASE)

Explanation: This message tells the operator that DBD *dbd* was verified in the RECON data set. The return code is always 4.

Severity: Warning.

System action: Processing continues.

Module: EKYS085X

EKYS854I DBD=*dbd* IS UPDATED - RETURN CODE: *rc*

Explanation: This message tells the operator that the SCU successfully updated DBD *dbd* in the RECON data set. The return code is always zero.

Severity: Information.

System action: Processing continues.

Module: EKYS085X

EKYS855W DBD=*dbd* IS UPDATED - RETURN CODE: *rc* (ALREADY IN REQUESTED STATE)

Explanation: This message tells the operator that DBD *dbd* was updated in the RECON data set. The return code is always 4.

Severity: Warning.

System action: Processing continues.

Module: EKYS085X

**EKYS856I DATABASENAME=*dbn*
SPACENAME=*spn* IS VERIFIED -
RETURN CODE: *rc***

Explanation: This message tells the operator that the database *dbn* with the table space *spn* was verified in the DB2 catalog. The return code is always zero.

Severity: Warning.

System action: Processing continues.

Module: EKYS085X

**EKYS857I DATABASENAME=*dbn*
SPACENAME=*spn* IS UPDATED -
RETURN CODE: *rc***

Explanation: This message tells the operator that the database *dbn* with the table space *spn* was updated in

the DB2 catalog. The return code is always zero.

Severity: Warning.

System action: Processing continues.

Module: EKYS085X

**EKYS858W DATABASENAME=*dbn*
SPACENAME=*spn* IS UPDATED -
RETURN CODE: *rc* (ALREADY IN
REQUESTED STATE)**

Explanation: This message tells the operator that the database *dbn* with the table space *spn* was updated in the DB2 catalog. The return code is always 4.

Severity: Warning.

System action: Processing continues.

Module: EKYS085X

**EKYS859I *nbr* resource SUCCESSFULLY
PROCESSED**

Explanation: This message tells how many IMS DPROP resources the SCU successfully processed.

nbr The number of IMS DPROP resources
 processed

resource

The name of the resource can be PRID,
DBNAME, or DBD

Severity: Information.

System action: Processing continues.

Module: EKYS085X

**EKYS860I CONTROL STATEMENT COMPLETED
SUCCESSFULLY - HIGHEST RETURN
CODE: *rc***

Explanation: This message shows the highest return code issued by the SCU after executing a control statement.

Severity: Information.

System action: Processing continues.

Module: EKYS085X

**EKYS861I ACCESS STATISTICS (*phase*) FOR
DBRC FILE: LIST=*nbr* CHANGE=*nbr***

Explanation: This message provides statistical information for the IBM Software Support. It shows the number of requests made to DBRC in this phase and is written only to the trace data set.

Severity: Information.

System action: Processing continues.

Module: EKYS086X

EKYS862I **ACCESS STATISTICS (phase) FOR
DPRMASTER TABLE: OPEN=*nbr*
FETCH=*nbr* CLOSE=*nbr* SELECT=*nbr*
UPDATE=*nbr* INSERT=*nbr***

Explanation: This message provides statistical information for the IBM Software Support. It shows how many times the IMS DPROP master table was accessed in this phase, and it is sent only to the trace data set.

Severity: Information.

System action: Processing continues.

Module: EKYS086X

EKYS863I **ACCESS STATISTICS (phase) FOR
DPRPR TABLE: OPEN=*nbr* FETCH=*nbr*
CLOSE=*nbr* UPDATE=*nbr***

Explanation: This message provides statistical information for the IBM Software Support. It shows how many times the IMS DPROP PR table was accessed in this phase, and it is sent only to the trace data set.

Severity: Information.

System action: Processing continues.

Module: EKYS086X

EKYS864I **ACCESS STATISTICS (phase) FOR
DPRSEG TABLE: OPEN=*nbr*
FETCH=*nbr* CLOSE=*nbr* UPDATE=*nbr***

Explanation: This message provides statistical information for the IBM Software Support. It shows how many times the IMS DPROP SEG table was accessed in this phase, and it is sent only to the trace data set.

Severity: Information.

System action: Processing continues.

Module: EKYS086X

EKYS865I **ACCESS STATISTICS (phase) FOR
DPRCBT TABLE: OPEN=*nbr* FETCH=*nbr*
CLOSE=*nbr* UPDATE=*nbr***

Explanation: This message provides statistical information for the IBM Software Support. It shows how many times the IMS DPROP CBT table was accessed in this phase, and it is sent only to the trace data set.

Severity: Information.

System action: Processing continues.

Module: EKYS086X

EKYS881E **NONZERO CODE RETURNED BY
MACRO *macro* WHEN ISSUING A
COMMIT REQUEST RETURN CODE
(R15): *rdrc***

Explanation: The SCU tried to issue an SQL COMMIT statement using IMS DPROP services, but the request failed. The message shows the name of the macro used to commit the DB2 change and the return code in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by the IMS DPROP service function precede this message. Refer to these messages for the appropriate action.

Module: EKYS086X

EKYS882E **NONZERO CODE RETURNED BY
MACRO *macro* WHEN ISSUING A
ROLLBACK REQUEST RETURN CODE
(R15): *rdrc***

Explanation: The SCU issued an SQL ROLLBACK statement using a IMS DPROP service function, but the request failed. The message shows the name of the macro used to backout the DB2 change and the return code in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by the IMS DPROP service function precede this message. Refer to these messages for the appropriate action.

Module: EKYS088X

EKYS883E **LIMIT OF *nbr* DEADLOCKS REACHED**

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number (*nbr*) of deadlocks allowed in this job step execution. See SQL return code -911 or -913 for more deadlock information.

This problem can occur when:

- More than one SCU is executing at the same time.
- An authorized QMF user is updating the IMS DPROP directory while the SCU is executing.

Severity: Error.

System action: SCU processing terminates.

User response: Resubmit the job.

Module: EKYS088X

**EKYS884E NONZERO CODE RETURNED BY
MACRO *macro* WHEN ISSUING A
ROLLBACK REQUEST RETURN CODE
(R15): *rdrc***

Explanation: The SCU tried to issue an SQL ROLLBACK statement using IMS DPROP services, but the request failed. The message shows the name of the macro used to backout the DB2 change and the return code in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: Messages issued by the IMS DPROP service function precede this message. Refer to these messages for the appropriate action.

Module: EKYS088X

**EKYS885I BACKOUT PERFORMED; RESTARTING
TO ACCESS DPROP RESOURCES;
REASON: *scutxt***

Explanation: The SCU will reprocess its current unit of work for the reason given in *scutxt*. Possible reasons are:

- **SQL RETURN CODE -911:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE -913:** An SQL SELECT, UPDATE or INSERT call returned this code. This can happen if another SCU is executing at the same time or an authorized QMF user is accessing the IMS DPROP directory.
- **SQL RETURN CODE +100:** An SQL UPDATE call returned this code because an expected row in the IMS DPROP directory was already deleted by another SCU executing at the same time or by an authorized QMF user.
- **CHANGED DATA DETECTED IN PRID(S):** The SCU detected that a row in the IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **UNSETTLED DBNAME(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.
- **UNSETTLED DBD(S):** The SCU detected that a row in IMS DPROP directory for which a resource should be updated was already updated by another SCU executing at the same time or by an authorized QMF user.

Severity: Information.

System action: Processing continues.

Module: EKYS088X

EKYS886I CONTROL STATEMENT: '*scutxt*'

Explanation: This message provides information for the IBM Software Support and is sent only to the trace data set. It records the input control statement being executed.

Severity: Information.

System action: Processing continues.

Module: EKYS088X

**EKYS887I COMMIT ISSUED AND REQUESTED BY
MODULE *module* COMMIT
IDENTIFICATION: *lids***

Explanation: This message provides information for the IBM Software Support and is sent only to the trace data set.

Severity: Information.

System action: Processing continues.

Module: EKYS088X

**EKYS888I BACKOUT ISSUED AND REQUESTED
BY MODULE *module* BACKOUT
IDENTIFICATION: *lids***

Explanation: This message provides information for the IBM Software Support and is sent only to the trace data set. It shows that a backout was done.

Severity: Information.

System action: Processing continues.

Module: EKYS088X

EKYS889I KEYWORD STATEMENT: '*scutxt*'

Explanation: This message provides information for the IBM Software Support and is sent only to the trace data set. It records the statement name of the input control statement being executed.

Severity: Information.

System action: Processing continues.

Module: EKYS088X

**EKYS911E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS091X

**EKYS912E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS091X

**EKYS913E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS091X

**EKYS921E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS092X

**EKYS922E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS092X

**EKYS923E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS092X

**EKYS931E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS093X

**EKYS932E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS093X

**EKYS933E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS093X

**EKYS941E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS094X

**EKYS942E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS094X

**EKYS943E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS094X

**EKYS951E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS095X

**EKYS952E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=*tab* READ :
DPRNAME=*dprname* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dprname*
DPRTOKEN=*dprto***

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS095X

EKYS953E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=tab READ :
DPRNAME=dprname DPRTOKEN=dprto
EXPECTED : DPRNAME=dprname
DPRTOKEN=dprto

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS095X

EKYS961E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=tab READ :
DPRNAME=dprname DPRTOKEN=dprto
EXPECTED : DPRNAME=dprname
DPRTOKEN=dprto

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS096X

EKYS962E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=tab READ :
DPRNAME=dprname DPRTOKEN=dprto
EXPECTED : DPRNAME=dprname
DPRTOKEN=dprto

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS096X

EKYS963E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=tab READ :
DPRNAME=dprname DPRTOKEN=dprto
EXPECTED : DPRNAME=dprname
DPRTOKEN=dprto

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS096X

EKYS971E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=tab READ :
DPRNAME=dprname DPRTOKEN=dprto
EXPECTED : DPRNAME=dprname
DPRTOKEN=dprto

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS097X

EKYS972E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=tab READ :
DPRNAME=dprname DPRTOKEN=dprto
EXPECTED : DPRNAME=dprname
DPRTOKEN=dprto

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS097X

EKYS973E UNEXPECTED DPROP NAME/TOKEN
IN TABLE=tab READ :
DPRNAME=dprname DPRTOKEN=dprto
EXPECTED : DPRNAME=dprname
DPRTOKEN=dprto

Explanation: The SCU detected inconsistencies between the IMS DPROP name and/or token stored in the IMS DPROP directory. An incorrect BIND execution can cause this problem.

Severity: Error.

System action: SCU processing terminates.

User response: BIND your plan again, specifying the correct DBRMs. Then resubmit the job.

Module: EKYS097X

EKYS981E CAF CONNECTION FAILURE: TERMINATION ECB IS NOT POSTED BUT CONTAINS A NONZERO VALUE IN IT TERMINATION ECB: *ecb* RETURN CODE (R15): *rdrc* REASON CODE (R0): *rsnlrsn*

Explanation: This message describes a Call Attach facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: See DB2 Messages and Codes for the appropriate action.

Module: EKYS098X

EKYS982E CAF CONNECTION FAILURE: DB2 IS CURRENTLY TERMINATING WITH MODE=FORCE OR MODE=ABEND TERMINATION ECB: *ecb* RETURN CODE (R15): *rdrc* REASON CODE (R0): *rsnlrsn*

Explanation: This message describes a Call Attach facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: See DB2 Messages and Codes for the appropriate action.

Module: EKYS098X

EKYS983E SQL ERROR; CALL PARAMETER 1, FUNCTION: *func* CALL PARAMETER 2, SUBSYSTEM NAME: *ssid* CALL PARAMETER 3, PLAN NAME: *plan* SQL RETURN CODE (R15): *sqlcode*/*sqlcode*

Explanation: The SCU detected an invalid SQL return code and did not recognize a valid SQLAREA to provide an edited error message. The SCU shows the last rescue fields for problem determination and terminates immediately. The message shows the SQL code in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response:

User response: Refer to the SQL code in DB2 Messages and Codes for the appropriate action.

Module: EKYS098X

EKYS991E CAF CONNECTION FAILURE: DB2 SUBSYSTEM NAME INVALID CAF CALL PARAMETER 1, FUNCTION: *func* CAF CALL PARAMETER 2, SUBSYSTEM NAME: *ssid* CAF CALL PARAMETER 3, TERMINATION ECB: *ecb* CAF CALL PARAMETER 4, START-UP ECB: *ecb* CAF CALL PARAMETER 5, COMPONENT IDENTIFIER: *comp* RETURN CODE (R15): *rdrc* REASON CODE (R0): *rsnlrsn*

Explanation: This message describes a Call Attach facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: See DB2 Messages and Codes for the appropriate action.

Module: EKYS099X

EKYS992E CAF CONNECTION FAILURE: USER NOT AUTHORIZED TO DB2 CAF CALL PARAMETER 1, FUNCTION: *func* CAF CALL PARAMETER 2, SUBSYSTEM NAME: *ssid* CAF CALL PARAMETER 3, TERMINATION ECB: *ecb* CAF CALL PARAMETER 4, START-UP ECB: *ecb* CAF CALL PARAMETER 5, COMPONENT IDENTIFIER: *comp* RETURN CODE (R15): *rdrc* REASON CODE (R0): *rsnlrsn*

Explanation: This message describes a Call Attach facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: See DB2 Messages and Codes for the appropriate action.

Module: EKYS099X

EKYS993E CAF CONNECTION FAILURE: PLAN NAME UNAUTHORIZED CAF CALL PARAMETER 1, FUNCTION: *func* CAF CALL PARAMETER 2, SUBSYSTEM NAME: *ssid* CAF CALL PARAMETER 3, TERMINATION ECB: *ecb* CAF CALL PARAMETER 4, START-UP ECB: *ecb* CAF CALL PARAMETER 5, COMPONENT IDENTIFIER: *comp* RETURN CODE (R15): *rdRD* REASON CODE (R0): *rsn/rsn*

Explanation: This message describes a Call Attach facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: See DB2 Messages and Codes for the appropriate action.

Module: EKYS099X

EKYS994I CAF CONNECTION FAILURE: DB2 SUBSYSTEM NOT UP CAF CALL PARAMETER 1, FUNCTION: *func* CAF CALL PARAMETER 2, SUBSYSTEM NAME: *ssid* CAF CALL PARAMETER 3, TERMINATION ECB: *ecb* CAF CALL PARAMETER 4, START-UP ECB: *ecb* CAF CALL PARAMETER 5, COMPONENT IDENTIFIER: *comp* RETURN CODE (R15): *rdrc* REASON CODE (R0): *rsn/rsn*

Explanation: This message describes a Call Attach facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: See DB2 Messages and Codes for the appropriate action.

Module: EKYS099X

EKYS995E CAF CONNECTION FAILURE: CONNECT ERROR CAF CALL PARAMETER 1, FUNCTION: *func* CAF CALL PARAMETER 2, SUBSYSTEM NAME: *ssid* CAF CALL PARAMETER 3, TERMINATION ECB: *ecb* CAF CALL PARAMETER 4, START-UP ECB: *ecb* CAF CALL PARAMETER 5, COMPONENT IDENTIFIER: *comp* RETURN CODE (R15): *rdrc* REASON CODE (R0): *rsn/rsn*

Explanation: This message describes a Call Attach facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: See DB2 Messages and Codes for the appropriate action.

Module: EKYS099X

EKYS996E CAF CONNECTION FAILURE: OPEN ERROR CAF CALL PARAMETER 1, FUNCTION: *func* CAF CALL PARAMETER 2, SUBSYSTEM NAME: *ssid* CAF CALL PARAMETER 3, PLAN NAME: *plan* RETURN CODE (R15): *rdrc* REASON CODE (R0): *rsn/rsn*

Explanation: This message describes a Call Attach facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: See DB2 Messages and Codes for the appropriate action.

Module: EKYS099X

EKYS997E CAF CONNECTION FAILURE: OPEN ERROR SEE NEXT MESSAGE (EKYZ360E) FOR MORE DETAILED INFORMATION (SQLCA CONTENTS) CAF CALL PARAMETER 1, FUNCTION: *func* CAF CALL PARAMETER 2, SUBSYSTEM NAME: *ssid* CAF CALL PARAMETER 3, PLAN NAME: *plan* RETURN CODE (R15): *rdrc* REASON CODE (R0): *rsn/rsn*

Explanation: This message describes a Call Attach facility (CAF) interface failure and provides problem determination information, including codes in hexadecimal and decimal format.

Severity: Error.

System action: SCU processing terminates.

User response: See DB2 Messages and Codes for the appropriate action.

Chapter 18. Time Stamp Marker Facility messages

EKYT200E **UNABLE TO CREATE DATABASE QUIESCE TIMESTAMP - INPUT TSMID *tsmid*, ALREADY USED BY DATABASE *dbname***

Explanation: A CREATETSM QUIESCE control statement contains a TSMID that is already used by the database. Database Quiesce TSMIDs must be unique within a database.

Severity: Error.

System action: Processing terminates.

Programmer response: Supply a unique TSMID on the ID= keyword and resubmit the job.

Module: EKYT200X

EKYT201E **UNABLE TO CREATE DATABASE QUIESCE TIMESTAMP - TOTAL NUMBER OF ERRORS FOUND WAS *nbr***

Explanation: One or more errors have been detected during the processing of a CREATETSM QUIESCE control statement. A separate detailed error message is issued for each error detected.

Severity: Error.

System action: Processing terminates.

Programmer response: Use the detailed error messages to identify problems.

Correct the cause or causes of any problems and resubmit the job.

Module: EKYT200X

EKYT202E **NO 0200 DATABASE NAME RECORD FOUND FOR DATABASE *dbname***

Explanation: The Database *dbname* does not exist in the SCF.

Severity: Error.

System action: Processing terminates.

Programmer response: Either:

- Specify the correct database name if the name specified is incorrect
- Add the database name to the SCF using the SCF administration utilities, before resubmitting the job.

Module: EKYT200X, EKYT210X, EKYT213, EKYT231.

EKYT203E **UNABLE TO CREATE DATABASE QUIESCE TIMESTAMP FOR DATABASE *dbname*. THE DATABASE IS NOT READ-ONLY**

Explanation: Database quiesce timestamps can only be created when a database is in a read-only state. No authorization may be held for a DEDB.

Severity: Error.

System action: Processing terminates.

Programmer response: Quiesce the database before resubmitting the job.

Module: EKYT200X

EKYT204E **UNABLE TO CREATE DATABASE QUIESCE TIMESTAMP FOR DATABASE *dbname*. THE DATABASE IS NOT DEFINED TO DBRC**

Explanation: IMS DPROP requires that all propagation source databases be defined to DBRC.

Severity: Error.

System action: Processing terminates.

Programmer response: Either specify the correct database if the incorrect name is specified, or define the database to DBRC, before resubmitting the job.

Module: EKYT200X

EKYT205I **DATABASE QUIESCE TIMESTAMP *tmst* CREATED FOR DATABASE *dbname* WITH TSMID *tsmid***

Explanation: The TSMF successfully created a database quiesce timestamp and associated the supplied TSMID with the timestamp.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYT205X

EKYT206W **0202 DATABASE QUIESCE RECORD ALREADY EXISTS FOR DATABASE *dbname* WITH KEY *key***

Explanation: The SCF already contains a 0202 Database Quiesce Record containing the Quiesce timestamp. A database name can be specified only once in a single CREATETSM QUIESCE control statement.

Severity: Warning.

System action: Processing continues.

Programmer response: If a database name is specified twice, create a Quiesce timestamp for two distinct databases by changing one of the database

names, or if a TSMID was specified, delete the Quiesce timestamp before resubmitting the job.

Module: EKYT206X

EKYT207E FAILED TO OPEN FILE *file_name*

Explanation: The temporary file *file_name* cannot be opened.

Severity: Error.

System action: Processing terminates.

Programmer response: Check that the data set //EKYTSMF DD statement corresponds with the sample JCL shipped with IMS DPROP.

Module: EKYT206X, EKYT207X

**EKYT209E NO 0202 DATABASE QUIESCE
RECORD FOUND FOR DATABASE
dbname CONTAINING TSMID *tsmid***

Explanation: A request was made to delete Database Quiesce Timestamps older than the specified *tsmid*. However, no 0202 record was found for the specified database containing the specified TSMID.

Severity: Error.

System action: Processing terminates.

Programmer response: Change the DELETETSM control statement to request the deletion of Quiesce timestamps older than either a:

- *tsmid* with no existing 0202 record
- User specified Timestamp
- User specified number of days

Module: EKYT210X

**EKYT211E UNABLE TO DELETE DATABASE
QUIESCE TIMESTAMPS, FOR
DATABASE *dbname* PRIOR TO TSMID
tsmid TOTAL NUMBER OF ERRORS
FOUND WAS *nbr***

Explanation: One or more errors have been detected during the processing of a DELETETSM quiesce before a TSMID control statement.

Severity: Error.

System action: Processing terminates.

Programmer response: A message is issued for each error detected. Use these messages to correct the source of any error before resubmitting the job.

Module: EKYT211X

**EKYT212E UNABLE TO DELETE DATABASE
QUIESCE TIMESTAMPS FOR
DATABASE *dbname* PRIORDAY *nbr*.
TOTAL NUMBER OF ERRORS FOUND
WAS *nbr*.**

Explanation: One or more errors have been detected during the processing of a DELETETSM QUIESCE PRIORDAY control statement. A message is issued for each error detected.

Severity: Error.

System action: Processing terminates.

Programmer response: Use the messages issued to correct the source of any errors before resubmitting the job.

Module: EKYT212X

**EKYT213E UNABLE TO DELETE DATABASE
QUIESCE TIMESTAMP - USER
SUPPLIED TIMESTAMP *tsmp* IS LATER
THAN THE CURRENT TIME *tsmp*.**

Explanation: A Database Quiesce Timestamp later than the current time has been specified. This is not possible. The USERTIME on the DELETETSM QUIESCE cannot be later than the current time.

Severity: Error.

System action: Processing terminates.

Programmer response: Change the USERTIME on the DELETETSM control statement to a time less than or the same as the current time. To delete all Database Quiesce Timestamps for a Database, specify PRIORDAY=0 on the DELETETSM QUIESCE control statement.

Module: EKYT211X

**EKYT214E USER SUPPLIED TIMESTAMP *tsmp* IS
NOT IN DB2/ISO FORMAT**

Explanation: All timestamps specified on IMS DPROP control statements must be in DB2/ISO format.

Severity: Error.

System action: Processing terminates.

Programmer response: Ensure that the timestamp specified is in DB2/ISO format.

Module: EKYT211X, EKYT250X

**EKYT215I DATABASE QUIESCE TIMESTAMP *tmst*
DELETED FOR DATABASE *dbname***

Explanation: The quiesce timestamp *tmst* has been successfully deleted for the database *dbname*

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYT215X

**EKYT216W NO 0202 DATABASE QUIESCE
RECORDS FOUND FOR DATABASE,
*dbname***

Explanation: A request was made to delete quiesce timestamps for database *dbname* but there were no quiesce timestamps found for the database.

Severity: Warning.

System action: Processing continues.

Programmer response: Check that the correct database name was specified.

Module: EKYT215X

**EKYT217W NO 0202 DATABASE QUIESCE
RECORDS FOUND FOR DATABASE,
dbname WITH A QUIESCE TIMESTAMP
LESS THAN *tsmp***

Explanation: A request was made to delete quiesce timestamps for database *dbname* older than *tsmp*. No quiesce timestamps older than *tsmp* were found.

Severity: Warning.

System action: Processing continues.

Programmer response: Check that the correct database name was specified and that the *tsmp* is correct.

Module: EKYT215X

**EKYT218I TOTAL NUMBER OF 0202 DATABASE
QUIESCE RECORDS DELETED FOR
DATABASE *dbname* WAS *nbr***

Explanation: The quiesce timestamps for the database specified have been deleted successfully.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYT215X

**EKYT219E UNABLE TO DELETE DATABASE
QUIESCE TIMESTAMPS, FOR
DATABASE *dbname* PRIOR TO
USERTIME *tsmp* TOTAL NUMBER OF
ERRORS FOUND WAS *nbr***

Explanation: One or more errors have been detected during the processing of a DELETETSM QUIESCE before a *tsmp* control statement. A message is issued for each error detected.

Severity: Error.

System action: Processing terminates.

Programmer response: Use the messages issued to correct the source of any errors before resubmitting the job.

Module: EKYT211X

**EKYT221E FILE *filename* DOES NOT CONTAIN
CORRECT EYECATCHER**

Explanation: An internal IMS DPROP error has occurred. The file *filename* should have a specific IMS DPROP eyecatcher as part of its header.

Severity: Error.

System action: Processing terminates.

Programmer response: Save the output and contact IBM Software Support for assistance.

Module: EKYT207X

EKYT222E ERROR OCCURRED USING EKY0MVCL

Explanation: An internal IMS DPROP error has occurred.

Severity: Error.

System action: Processing terminates.

Programmer response: Save the output and contact IBM Software Support for assistance.

Module: EKYT206X

**EKYT230E INPUT DATABASE START TIMESTAMP
tmst IS NOT AN EXISTING QUIESCE
TIMESTAMP FOR DATABASE, *dbname***

Explanation: A request was made to assign a Database Start Timestamp using a timestamp that was not an existing Database Quiesce timestamp.

Severity: Error.

System action: Processing terminates.

Programmer response: Change the ASSIGNTSM control statement to request the assignment of a Start Timestamp using one of the following:

- The TIME= parameter specifying either:
 - An existing Quiesce Timestamp for the specified Database.
 - A TSMID for an existing Quiesce Timestamp for the specified Database.
- The USERTIME= parameter using a user specified timestamp.

Module: EKYT230X

EKYT232E **UNABLE TO ASSIGN DATABASE
START TIMESTAMP TO DATABASE,
dbname USER SUPPLIED TIMESTAMP
tstp IS NOT IN DB2/ISO FORMAT**

Explanation: All timestamps specified on IMS DPROP control statements must be in DB2/ISO format.

Severity: Error.

System action: Processing terminates.

Programmer response: Correct the timestamp in the control statement.

Module: EKYT230X, EKYT232X

EKYT233I **DATABASE START TIMESTAMP *tmst*
ASSIGNED TO DATABASE *dbname*
WITHIN GROUP *GRP***

Explanation: The start timestamp *tmst* has been successfully assigned to the database *dbname*.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYT234X

EKYT234E **UNABLE TO ASSIGN DATABASE
START TIMESTAMP WITH TSMID OF
tsmid TO DATABASE *dbname* TOTAL
NUMBER OF ERRORS FOUND WAS *nbr***

Explanation: One or more errors have been detected during the processing of an ASSIGNTSM TIME=TSM,ID= control statement. A message is issued for each error detected.

Severity: Error.

System action: Processing terminates.

Programmer response: Use the messages issued to correct the source of any errors before resubmitting the job.

Module: EKYT231X

EKYT235E **UNABLE TO ASSIGN DATABASE
START TIMESTAMP *tstp* TO
DATABASE *dbname* TOTAL NUMBER
OF ERRORS FOUND WAS *nbr***

Explanation: One or more errors have been detected during the processing of an ASSIGNTSM TIME=TIMESTAMP control statement. A message is issued for each error detected.

Severity: Error.

System action: Processing terminates.

Programmer response: Use the messages issued to

correct the source of any errors before resubmitting the job.

Module: EKYT230X, EKYT232X

EKYT236E **UNABLE TO ASSIGN DATABASE
START TIMESTAMP -, NO 0302 GROUP
DATABASE RECORD FOUND FOR
GROUP *grp* AND DATABASE *dbname***

Explanation: No 0302 Group Database record was found in the SCF for the group *grp* or database *dbname*.

Severity: Error.

System action: Processing terminates.

Programmer response: Ensure that the group and database names specified are correct, or use the SCF administration utilities to define the group and database in the SCF, before resubmitting the job.

Module: EKYT234X

EKYT241E **UNABLE TO CREATE GROUP STOP
TIMESTAMP - TOTAL NUMBER OF
ERRORS FOUND WAS *nbr***

Explanation: One or more errors have been detected during the processing of a CREATETSM STOP control statement. A message is issued for each error detected.

Severity: Error.

System action: Processing terminates.

Programmer response: Use the messages issued to correct the source of any errors before resubmitting the job.

Module: EKYT240X, EKYT241X

EKYT242E **NO 0300 GROUP RECORD FOUND
FOR GROUP ID *grp***

Explanation: The Group *group* does not exist in the SCF.

Severity: Error.

System action: Processing terminates.

Programmer response: Ensure that the group name specified on the CREATETSM STOP control statement is correct, or add the group name to the SCF using the SCF administration utilities, before resubmitting the job.

Module: EKYT240X, EKYT242X

EKYT243E **UNABLE TO CREATE GROUP STOP
TIMESTAMP -, USER SUPPLIED
TIMESTAMP *tstp* IS NOT IN DB2/ISO
FORMAT**

Explanation: All timestamps specified on IMS DPROP control statements must be in DB2/ISO format.

Severity: Error.

System action: Processing terminates.

Programmer response: Correct the timestamp in the control statement before resubmitting the job.

Module: EKYT241X

**EKYT244E UNABLE TO CREATE GROUP STOP
TIMESTAMP -, INVALID FUNCTION
CODE *number* SPECIFIED ON CALL TO
EKYT244X**

Explanation: This is an internal IMS DPROP error.

Severity: Error.

System action: Processing terminates.

Programmer response: Save the output and contact IBM Software Support for assistance.

Module: EKYT244X

**EKYT245I GROUP STOP TIMESTAMP *tmst*
CREATED BY *CR* FOR GROUP ID *grp*
WITH TSMID *tsmid***

Explanation: A group stop timestamp has been successfully created.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYT245X

**EKYT246W UNABLE TO CREATE GROUP STOP
TIMESTAMP - 0305 GROUP STOP
RECORD ALREADY EXISTS WITH KEY
*keyinfo***

Explanation: The SCF already contains a 0305 Group Stop Record containing the stop timestamp. The group name and the timestamp are contained in the key *keyinfo* information.

Severity: Warning.

System action: Processing continues.

Programmer response: Check to ensure that the group name is specified once only.

To create a stop timestamp for two distinct groups, replace the duplicate group name with the correct name and resubmit the job step.

Module: EKYT245X

**EKYT251E UNABLE TO DELETE GROUP STOP
TIMESTAMPS FOR GROUP *grp*
PRIORDAY *nbr* THAT IS PRIOR TO
TIME *tsmp* TOTAL NUMBER OF
ERRORS FOUND WAS *nbr***

Explanation: One or more errors have been detected during the processing of a DELETETSM STOP control statement. A message is issued for each error detected.

Severity: Error.

System action: Processing terminates.

Programmer response: Use the messages issued to correct the source of any errors before resubmitting the job.

Module: EKYT251X

**EKYT252W THE MOST RECENTLY SELECTED
GROUP STOP TIMESTAMP *tsmp* IS
NOT DELETED**

Explanation: The Group stop timestamp most recently used by the selector is used during the next execution of the selector as the Group start time. It cannot be deleted.

Severity: Warning.

System action: Processing continues.

Programmer response: None.

Module: EKYT251X

**EKYT253W NONE OF THE GROUP STOP
TIMESTAMPS FOR GROUP *grp* ARE
MARKED AS SELECTED**

Explanation: No group stop timestamps are marked as selected. This situation has been noted during the deletion of group stop timestamps for the group *grp*. This should only occur before the first execution of the selector for this group. It should not occur if the Selector has been run successfully at least once for this group.

Severity: Warning.

System action: Processing continues.

Programmer response: Call IBM Software Support for assistance.

Module: EKYT250X, EKYT251X

**EKYT255I GROUP STOP TIMESTAMP *tmst*
DELETED FOR GROUP *grp***

Explanation: The stop timestamp *tmst* has been successfully deleted for the group *grp*.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYT255X

**EKYT256W NO 0305 GROUP STOP RECORDS
FOUND FOR GROUP *grp***

Explanation: No deletions were necessary as 0305 Group Stop records were not found in the SCF for the group *grp*.

Severity: Warning.

System action: Processing continues.

Programmer response: Check that the group name specified on the DELETETSM STOP control statement is correct.

Module: EKYT251X, EKYT255X

**EKYT257W NO 0305 GROUP STOP RECORDS
FOUND FOR GROUP *grp* WITH A STOP
TIMESTAMP LESS THAN *tstp***

Explanation: No deletions were necessary as 0305 Group Stop records were not found in the SCF for the group *grp*.

Severity: Warning.

System action: Processing continues.

Programmer response: If group stop timestamps were expected to exist, check that the group name specified on the DELETETSM STOP control statement is correct.

Module: EKYT255X

**EKYT258I TOTAL NUMBER OF 0305 GROUP
STOP RECORDS DELETED FOR
GROUP ID *grp* WAS *nbr***

Explanation: The stop timestamps for the group *grp* have been successfully deleted.

Severity: Information.

System action: Processing continues.

Programmer response: None.

Module: EKYT255X

**EKYT259E UNABLE TO DELETE GROUP STOP
TIMESTAMPS FOR GROUP *grp* PRIOR
TO USERTIME *tstp*. TOTAL NUMBER
OF ERRORS FOUND WAS *nbr***

Explanation: One or more errors have been detected during the processing of a DELETETSM STOP control statement. A message is issued for each error detected.

Severity: Error.

System action: Processing terminates.

Programmer response: Use the messages issued to

correct the source of any errors before resubmitting the job.

Module: EKYT250X

**EKYT260W NO 0305 GROUP STOP RECORD
FOUND FOR GROUP *grp* WITH A STOP
TIMESTAMP EQUAL TO *tstp***

Explanation: No deletion occurred since no 0305 Group Stop record was found in the SCF for the group *grp* with a timestamp of *tstp*.

Severity: Warning.

System action: Processing continues.

Programmer response: If a group stop timestamp was expected to exist, check that the group name specified on the DELETETSM STOP control statement is correct.

Use the LISTGROUP control statement to display all details, including stop timestamps, for a particular group.

Module: EKYT256X

**EKYT261E UNABLE TO DELETE GROUP STOP
TIMESTAMP *tstp* FOR GROUP *grp*
TOTAL NUMBER OF ERRORS FOUND
WAS *nbr***

Explanation: One or more errors have been detected during the processing of a DELETETSM STOP control statement. A message is issued for each error detected.

Severity: Error.

System action: Processing terminates.

Programmer response: Use the messages issued to correct the source of any errors before resubmitting the job.

Module: EKYT252X

**EKYT263I INFORMATION SAVED IN TEMPORARY
FILE *file_name* THE FOLLOWING
DATABASES WERE QUIESCED AT
tstp NOTE - A SEPARATE JCL STEP IS
REQUIRED TO WRITE THE QUIESCE
TIMESTAMPS TO THE SELECTOR
CONTROL FILE**

Explanation: The CREATETSM QUIESCE control statement is processed in two steps; the first step checks whether the specified Databases are in a Read Only (Quiesced) state. This message is issued when the first step is complete as a reminder of the need to run a second step. The second step writes the timestamps to the Selector Control File.

Associated EKYT264I messages each containing a single database name are displayed following this message.

Details on running both JCL steps are contained in the sample JCL PROC provided for running the SCU (EKYUSCUP).

Severity: Information.

System action: Processing Continues.

Programmer response: None.

Module: EKYT206X

EKYT264I *dbname*

Explanation: One or more occurrences of this message, containing a database name, is displayed in association with message EKYT263I.

Severity: Information.

System action: Processing Continues.

Programmer response: None.

Module: EKYT206X

EKYT265E **UNABLE TO COMPLETE CREATETSM
QUIESCE PROCESSING FILE *filename*
CONTAINS NO RECORDS**

Explanation: The second step in CREATETSM QUIESCE processing requires that the first step have completed successfully and that the access to the temporary data set should be created

Severity: Error.

System action: Processing terminates.

Programmer response: Check that:

- The data set name specified on the //EKYTSMF DD statement corresponds on both steps of the CREATETSM QUIESCE JCL.
- The data set has not been modified since it was created and before it was accessed during processing of the second step.

Module: EKYT208X

Chapter 19. SQL Update Modules messages

EKYU001E INVALID SEGMENT NAME PASSED TO
SQL UPDATE MODULE: PRID=*prid*,
SEG=*segname*

Explanation: This is an unexpected DPROP internal error.

Severity: Error

System action: DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Module:

EKYU002E PROPAGATION FAILURE: DBD=*dbd*,
SEG=*segname*, TABLE=*tabname*,
PSBNAME=*psbname* AND
SQLCODE=*sqlcode*

Explanation: DPROP received a nonzero SQLCODE. This message is issued with message EKYU003E.

Severity: Error.

System action: Message EKYZ360E is also issued, and the RUP handles the error according to its error-handling logic. For more information on the RUP, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: See message EKYZ360E and check the trace output.

Module:

EKYU003E PROPAGATION FAILURE: PRID=*prid*,
DL/1 UPDATE TYPE= *upt* AND FC
KEY=*key*

Explanation: DPROP received a nonzero SQLCODE. This messages is issued with message EKYU002E.

Severity: Error.

System action: Message EKYZ360E is also issued, and the RUP handles the error according to its error-handling logic. For more information on the RUP, see Appendix A, "RUP and HUP error handling," on page 543.

System programmer response: See message EKYZ360E and check the trace output.

Module:

Chapter 20. DEDB Unload utility messages

EKYU100I UNLOAD COMPLETED SUCCESSFULLY

Explanation: The DEDB Unload has completed without errors.

Severity: Information.

System action: Processing terminates normally.

System programmer response: None.

Module: EKYU000X

EKYU101E ERROR OPENING *ddname*

Explanation: The *ddname* specified could not be opened.

Severity: Error.

System action: Processing terminates.

System programmer response: See preceding messages for the cause of the open error.

Module: EKYU000X

EKYU102E A PCB FOR DATABASE *dbname* COULD NOT BE FOUND IN THE PSB

Explanation: The PSB used to run the Unload does not contain a PCB for the database shown.

Severity: Error.

System action: Processing terminates.

System programmer response: Ensure that you are using the correct PSB, and that the database specified on the input control card is correct.

Module: EKYU000X

EKYU103E BLDL FAILED FOR *dbdname*

Explanation: The DBD shown could not be found in the data set referenced by the DBD *dd* statement.

Severity: Error.

System action: Processing terminates.

System programmer response: Ensure that the data set referenced by the DBD *ddname* contains the required DBD.

Module: EKYU000X

EKYU104E MISSING CONTROL CARD

Explanation: There is no control card specifying the DBD to be unloaded.

Severity: Error.

System action: Processing terminates.

System programmer response: Provide a control card of the form DBD=*dbdname* to SYSIN.

Module: EKYU000X

EKYU105E INVALID CONTROL CARD

Explanation: A non-comment control card was read that does not match the required format.

Severity: Error.

System action: Processing terminates.

System programmer response: Ensure that the control card is of the format DBD=*ddname*, starting in column 1.

Module: EKYU000X

EKYU106E UNEXPECTED STATUS CODE *xx* RETURNED WHEN ISSUING GN

Explanation: The Unload received an unexpected status code from IMS when trying to retrieve a segment.

Severity: Error.

System action: Processing terminates.

System programmer response: See the IMS Messages and Codes manual for an explanation of the status code. Correct the error, and re-run.

Module: EKYU000X

Chapter 21. Mapping Verification and Generation Utility (MVGU) messages

EKYV000E THE CPPL IS MISSING

Explanation: The address of the command processor parameter list (CPPL) was not passed to the MVGU. This address should be passed in register 1. The MVGU job was probably not running under the RUN CP subcommand of the DSN command.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: Rerun the MVGU job under the RUN CP subcommand of DSN.

Module: EKYV000X

EKYV001E CONTROL STATEMENT IN //MVGUIN IS MISSING OR INVALID

Explanation: Either no MVGU statement was specified in the //MVGUIN data set, or all the specified statements are invalid. The statements have invalid syntax or are unknown to the MVGU. The MVGU cannot execute. If there are invalid statements, message EKYV002E is issued with this message.

Severity: Error.

System action: Processing of the MVGU terminates with return code 8.

Programmer response: Specify the correct MVGU statements and rerun the MVGU job.

Module: EKYV000X

EKYV002E INVALID MVGU CONTROL STATEMENT=*statement*

Explanation: The MVGU detected that an invalid MVGU statement name was specified in the //MVGUIN data set (the statement can only be CREATE, DELETE, or RECREATE).

Severity: Error.

System action: Processing of the MVGU terminates with return code 8.

Programmer response: Correct the statement name. Check any other statements and rerun the MVGU job.

Module: EKYV000X

EKYV003E NONZERO RETURN CODE RECEIVED FROM EKYINIT

Explanation: The IMS DPROP initialization phase did not complete successfully. Possible reasons are:

- A DB2 resource is not available.
- The DB2 plan used to run the MVGU is invalid.

Other messages issued with this one provide more information.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See the messages issued previously for more information.

Rerun the MVGU job after establishing the correct environment.

Module: EKYV000X

EKYV004I ROLLBACK HAS BEEN PERFORMED AFTER A DEADLOCK IN THE INITIALIZATION PHASE

Explanation: A deadlock occurred in the initialization phase of the MVGU (EKYVMVU00). After issuing a rollback, the MVGU restarted processing.

Severity: Information.

System action: Processing continues normally.

Module: EKYV000X

EKYV005E THE ROLLBACK ISSUED AFTER A DEADLOCK IN THE INITIALIZATION PHASE FAILED; RETURN CODE=*returncode*

Explanation: A deadlock occurred in the initialization phase of the MVGU (EKYVMVU00). After trying to issue a rollback, the MVGU received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: The MVGU terminates abnormally with user abend 1105.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a valid DB2 environment, and resubmit the job.

Module: EKYV000X

EKYV010E NO INPUT RECORD FOUND IN //MVGUIN OR THIS DD STATEMENT IS MISSING

Explanation: The //MVGUIN data set that should contain MVGU statements is empty, contains only

comments, or this DD statement is missing. The MVGU cannot execute.

Severity: Error.

System action: Processing of the MVGU terminates with return code 8.

Programmer response: Add an //MVGUIN DD statement, specify at least one valid MVGU statement in the //MVGUIN data set, and resubmit the job.

Module: EKYV010X

**EKYV030E ERROR WHILE SELECTING A ROW
FOR PR=*prid* FROM TAB=*tablename***

Explanation: While accessing the identified MVG input table to retrieve a PR, IMS DPROP received a nonzero SQL return code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and resubmit the job.

Module: EKYV030X

**EKYV031E ERROR WHILE UPDATING A ROW FOR
PR=*prid* ON TAB=*tablename***

Explanation: While updating the identified MVG input table to flag the identified PR as processed, IMS DPROP received a nonzero SQL return code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and resubmit the job.

Module: EKYV030X

**EKYV032E ERROR WHILE OPENING THE
CURSOR=*cursor* FOR TAB=*tablename***

Explanation: While trying to open a DB2 cursor on the identified MVG input table, IMS DPROP received a nonzero SQL return code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for

the DB2 error message and the SQL code, reestablish a correct DB2 environment, and resubmit the job.

Module: EKYV030X

**EKYV033E ERROR WHILE CLOSING THE
CURSOR=*cursor* FOR TAB=*tablename***

Explanation: While trying to close a DB2 cursor on the identified MVG input table, IMS DPROP received a nonzero SQL return code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and resubmit the job.

Module: EKYV030X

**EKYV034E ERROR WHILE FETCHING A ROW FOR
PR=*prid* FROM TAB=*tablename***

Explanation: While trying to fetch a row from the identified MVG input table for the specified PR, IMS DPROP received a nonzero SQL return code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and resubmit the job.

Module: EKYV030X

**EKYV035E ERROR WHILE COUNTING ROWS FOR
PR=*prid* ON TAB=*tablename***

Explanation: While trying to count the rows on the identified MVG input table for the specified PR, IMS DPROP received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and resubmit the job.

Module: EKYV030X

EKYV036E ERROR WHILE FETCHING A ROW FOR
PR=prid, DBD=dbdname, SEG=segment
FROM TAB=tablename

Explanation: While trying to fetch a row from the identified MVG input table, IMS DPROF received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and resubmit the job.

Module: EKYV030X

EKYV037E ERROR WHILE ISSUING A LOCK ON
THE MVG INPUT TABLES

Explanation: While issuing a LOCK SHARE in the MVG input tables, IMS DPROF received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and resubmit the job.

Module: EKYV037X

EKYV038E ERROR WHILE FETCHING A ROW FOR
DBD=dbdname, SEG=segment FROM
TAB=tablename

Explanation: While trying to fetch a row from the identified MVG input table, IMS DPROF received a nonzero SQL return code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and resubmit the job.

Module: EKYV030X

EKYV039E INVALID FUNCTION CODE=func

Explanation: The function code passed by the caller (EKYV100X or EKYV110X) is invalid. This is an internal error.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

System programmer response: Call IBM Software Support for assistance.

Module: EKYV030X

EKYV040E THE ROLLBACK ISSUED AFTER A
DEADLOCK FAILED; RETURN
CODE=returncode

Explanation: A deadlock occurred during a LOCK SHARE or an update operation in the MVG input tables. After trying to issue a rollback, the MVGU received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: The MVGU terminates abnormally with user abend 1105.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and resubmit the job.

Module: EKYV030X

EKYV041E ERROR WHILE ISSUING A COMMIT
AFTER UPDATING THE PR MVG INPUT
TABLE

Explanation: After having successfully updated the PROCSED column of the PR MVG Input Table, IMS DPROF received a nonzero SQL return code from DB2 while trying to issue an SQL COMMIT. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and resubmit the job.

Module: EKYV030X

EKYV042E INVALID VALUE SPECIFIED IN
TABLE=table COLUMN=column
VALUE=value

Explanation: A negative value has been found in the identified column of the identified MVG Input Table.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing of this PR is terminated, but the MVGU will process the next PR, database or segment if any is specified on the MVGU CREATE statement or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: Correct the value in the identified column of the identified MVG input table and rerun the MVGU for this PR.

Module: EKYV030X

EKYV043E ERROR WHILE COUNTING ROWS ON THE DPRIPR TABLE

Explanation: While trying to count the rows on the PR MVG input table, IMS DPROP received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: Processing of the MVGU terminates with return code 16.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and resubmit the job.

Module: EKYV030X

EKYV099E AN INTERNAL SEGMENT IS SPECIFIED ON THE 'CREATE SEG' STATEMENT; SEG=segment

Explanation: The MVGU detected that the segment specified on the CREATE statement is an internal segment. IMS DPROP SEG control statements can only specify IMS segments, not internal segments. If you want to propagate a specific internal segment, provide a CREATE PR= statement in your MVGU control statements.

Severity: Error.

System action: Processing of this statement terminates, but the MVGU will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: Correct this statement, check the other statements, if any, and rerun the job.

Module: EKYV100X

EKYV100W PR=prid DOES NOT EXIST IN THE MVG INPUT TABLES OR IS ALREADY PROCESSED

Explanation: The MVGU could not retrieve the identified PR from the MVG input tables because:

- The PR does not exist in the MVG input tables, or
- The PR was already created by the MVG. The PR is flagged as processed (PROCESD column is Y) in the PR MVG input table (DPRIPR).

Severity: Warning.

System action: The MVGU processes the next PR (if any) specified on the MVGU CREATE statement or the next MVGU statement, if any exists on the //MVGUIN data set.

Programmer response: If you want to perform a PR creation (replacement) for a PR that is already processed, you must first reset the processed flag (set PROCSED column in DPRIPR to N or to blank via QMF or SPUFI) and resubmit the MVGU job.

Module: EKYV100X

EKYV101W NO ACTIVE PR FOUND IN THE MVG INPUT TABLES FOR THE SELECT CONDITION: DBD=dbdname

Explanation: The MVGU could not create PRs to propagate the specified database because one of the following situations exists:

- No PRs in the MVG input tables are propagating this database
- All the PRs in the MVG input tables that propagate this database were already created by the MVG. They are flagged as processed (PROCESD column is Y) in the PR MVG input table (DPRIPR).

Severity: Warning.

System action: The MVGU will process the next database specified on the MVGU CREATE statement (if any) or the next MVGU statement, if any exists on the //MVGUIN data set.

Programmer response: If you want to perform a PR creation (replacement) for a PR that is already processed, first reset the processed flag (set PROCSED column in DPRIPR to N or to blank via QMF or SPUFI) and resubmit the MVGU job.

Module: EKYV100X

EKYV102W NO ACTIVE PR FOUND IN THE MVG INPUT TABLES FOR THE SELECT CONDITION: DBD=dbdname, SEG=segment

Explanation: The MVGU could not create PRs to propagate the identified segment because one of these situations exists:

- No PRs in the MVG input tables are propagating this segment, or
- All the PRs in the MVG input tables that propagate this segment were already created by the MVG. They are flagged as processed (PROCESD column is Y) on the PR MVG input table (DPRIPR).

Severity: Warning.

System action: The MVGU will process the next segment specified on the MVGU CREATE statement (if any) or the next MVGU statement, if any exists on the //MVGUIN data set.

Programmer response: If you want to perform a PR creation (replacement) for a PR that is already processed, first reset the processed flag (set PROCSED column in DPRIPR to N or to blank via QMF or SPUFI) and resubmit the MVGU job.

Module: EKYV100X

EKYV103W NO ACTIVE PR FOUND IN THE MVG INPUT TABLES

Explanation: The MVGU could not create PRs as instructed (either ALL or DBD= was specified on the MVGU CREATE statement) because one of these situations exists:

- There are no PRs in the MVG input tables, or
- All the PRs in the MVG input tables were already created by the MVG. They are flagged as processed (PROCESD column is Y in the PR MVG input table (DPRIPR)).

Severity: Warning.

System action: The MVGU will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: If you want to perform a PR creation (replacement) for a PR which is already processed, first reset the processed flag (set PROCSED column in DPRIPR to N or to blank via QMF or SPUFI) and resubmit the job.

Module: EKYV100X

EKYV104I PROCESSING OF PR=*prid* STARTED

Explanation: Generation processing of the identified PR started.

Severity: Information.

System action: Processing continues.

Module: EKYV100X

EKYV105I ERRORS FOUND WHILE GENERATING PR=*prid*

Explanation: One or more errors occurred during the generation of the PR. Messages describing the error are issued on the //MVGPRINT data set.

Severity: Information.

System action: If the return code is 16, the MVGU stops processing. If the return code is 8, the MVGU stops the generation of the current PR, but will process the next PR, database, or segment, if any are specified on the MVGU statement; or it will process the next MVGU statement, if any exists on the //MVGUIN data set.

Programmer response: See the error messages issued on //MVGPRINT.

Module: EKYV100X

EKYV106E INVALID KEYWORD IN THE CREATE STATEMENT; KEYWORD=*keyword*

Explanation: The MVGU detected that an invalid keyword was specified on the CREATE statement in the //MVGUIN data set.

Severity: Error.

System action: Processing of this statement terminates, but the MVGU will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: Correct this statement, check the other statements, if any, and rerun the job.

Module: EKYV100X

EKYV107I SUCCESSFUL GENERATION OF PR=*prid*

Explanation: Generation of the identified PR was successful.

Severity: Information.

System action: Processing of this PR terminates normally. Depending on the statements specified on the //MVGUIN data set, the MVGU continues processing or terminates normally.

Module: EKYV100X

EKYV108I RESTART PROCESSING AFTER A DEADLOCK

Explanation: A deadlock occurred while issuing an SQL call. After issuing a rollback, EKYV100X restarted processing.

Severity: Information.

System action: Processing of the current PR restarts.

Module: EKYV100X

EKYV109E THE ROLLBACK ISSUED AFTER A DEADLOCK FAILED; RETURN CODE=*returncode*

Explanation: A deadlock occurred during a LOCK SHARE operation in the MVG input tables. After trying to issue a rollback, EKYV1000 received a nonzero SQL code from DB2. Message EKYZ360E contains the DB2 error message and the SQL code.

Severity: Error.

System action: The MVGU terminates abnormally with user abend 1105.

Programmer response: See message EKYZ360E for the DB2 error message and the SQL code, reestablish a correct DB2 environment, and resubmit the job.

Module: EKYV100X

**EKYV110E NO ROW FOUND ON THE *tablename*
MVG INPUT TABLE FOR PR=*prid***

Explanation: While trying to count the rows of the identified MVG input table, the MVGU found no SEG or TAB row for this PR. The PR is invalid.

Severity: Error.

System action: Processing of this PR terminates, but the MVGU will process the next PR, database, or segment if any is specified on the MVGU CREATE statement; or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: Check your PR in the MVG input tables, specify at least one SEG row and one TAB row, and resubmit the job for this PR.

Module: EKYV110X

EKYV111E PRID=*prid* IS INVALID

Explanation: The PR ID specified in the MVG input table and/or on the MVGU CREATE statement in the //MVGUIN data set is either not alphanumeric or begins with a numeric character.

Severity: Error.

System action: Processing of this PR terminates, but the MVGU will process the next PR, database, or segment if any is specified on the MVGU CREATE statement; or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: After the MVGU finishes processing, specify a correct PR ID and resubmit the job for this PR.

Module: EKYV110X

**EKYV112E MORE THAN ONE TARGET TABLE
SPECIFIED IN PR=*prid***

Explanation: The PR to be processed is a generalized mapping case, but several propagated tables were specified (several rows are coded for this PR in the TAB MVG input table). Only one table is allowed for a generalized mapping case.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing of this PR is terminated, but the MVGU will process the next PR, database, or segment if any is specified on the MVGU CREATE statement; or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: Check the PR in the MVG input tables and either:

- Specify only one TAB row for this PR, or
- Set PRTYPE to U in the PR MVG input table (DPRIPR).

Rerun the job for this PR.

Module: EKYV110X

**EKYV113E DBNAME IN PR=*prid* IS MISSING OR
INVALID; DBNAME=*dbname*,
SEGNAME=*segment***

Explanation: One of the following situations exists:

- The database name in a row of the SEG MVG input table is either missing, is not alphanumeric, or begins with a numeric character.
- For a generalized mapping case, the database name is not the same in all the SEG rows of this PR (a PR with generalized mapping case can propagate only one database).

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing of this PR is terminated, but the MVGU will process the next PR, database, or segment, if any is specified on the MVGU CREATE statement; or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response:

- In the first case, specify a correct database name in the related row of the SEG MVG input table.
- In the second case, check the PR in the MVG input tables and specify the same database name in all the SEG rows of this PR.

Rerun the MVGU job for this PR.

Module: EKYV110X

**EKYV114E SEGNAME IN PR=*prid* IS MISSING OR
INVALID; DBNAME=*dbname*,
SEGNAME=*segment***

Explanation: The segment name in a row of the SEG MVG input table is either missing, is not alphanumeric, or begins with a numeric character.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing of this PR is terminated, but the MVGU will process the next PR, database or segment if any is specified on the MVGU CREATE statement or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: Specify a correct segment name in the row of the SEG MVG input table, and rerun the MVGU for this PR.

Module: EKYV110X

**EKYV115E INVALID SEGMENT USER EXIT
SPECIFICATIONS IN PR=*prid*,
DBNAME=*dbname*, SEGNAME=*segment*,
EXITNAME=*ename***

Explanation: One of the following situations occurred for a generalized mapping case:

- If a Segment exit routine (SEGEXIT column) is specified in the SEG MVG input table row of the segment:
 - The exit name is not alphanumeric or begins with a numeric character, or
 - The segment length (SEGEXITL) is missing, or
 - The segment format (SEGEXITF) is missing or invalid (must be either F or V).
- If the Segment exit routine (SEGEXIT) is blank:
 - A segment length (SEGEXITL) is specified, or
 - A segment format (SEGEXITF) is specified.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing of this PR is terminated, but the MVGU will process the next PR, database, or segment if any is specified on the MVGU CREATE statement or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response:

- If you want to specify a Segment exit routine, specify a correct exit name in the SEG MVG input table, the segment length, and the segment format.
- Otherwise, the segment length must be zero and the segment format must be blank.

For information about the Segment exit routine, see IMS DPROP Customization Guide.

Module: EKYV110X

**EKYV116E INVALID SEGMENT ROLE SPECIFIED
IN PR=*prid*, DBNAME=*dbname*,
SEGNAME=*segment*; ROLE=*role***

Explanation: In a generalized mapping case, the segment role specified in the row of the SEG MVG input table is not E (entity), P (parent) or X (extension).

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing of this PR is terminated, but the MVGU will process the next PR, database, or segment if any is specified on the MVGU CREATE statement; or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: Specify a correct segment role in the SEG row, and resubmit the job for this PR.

Module: EKYV110X

**EKYV117E TARGET TABLE NAME IS MISSING IN
PR=*prid***

Explanation: The table name in the TAB row of the TAB MVG input table is blank.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing of this PR is terminated, but the MVGU will process the next PR, database, or segment if any is specified on the MVGU CREATE statement; or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: Specify a correct table name in the TAB row and resubmit the job for this PR.

Module: EKYV110X

**EKYV118E INVALID FORMAT FOR AN INTERNAL
SEGMENT IN PR=*prid*;
DBNAME=*dbname*, SEGNAME=*segment***

Explanation: A format other than FI or VI is specified for the described segment. Either the described segment is an internal segment and the format is invalid, or the segment is an IMS segment and therefore, no format can be specified. The format of the IMS segment will be retrieved from the IMS DBD by IMS DPROP.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing of this PR is terminated, but the MVGU will process the next PR, database, or segment if any is specified on the MVGU CREATE statement or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: Depending on the kind of segment you want to specify, correct the content of the format and rerun the job for this PR.

Module: EKYV110X

**EKYV119E INVALID NUMBER OF OCCURRENCES
FOR AN INTERNAL SEGMENT IN
PR=*prid*; DBNAME=*dbname*,
SEGNAME=*segment***

Explanation: There is no valid number of occurrences specified for the described internal segment. The number of occurrences can be either specified by a literal, or contained in a field.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing of this PR is terminated, but the MVGU will process the next PR, database, or segment if any is specified on the MVGU CREATE statement or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: Depending on the PRTYPE, specify either a field that contains the number of occurrences, or a literal, and rerun the job for this PR.

Module: EKYV110X

**EKYV120I LIST OF THE SPECIFIED
PROPAGATION PARAMETERS:**

Explanation: The propagation parameters in the MVG input tables (PR table and SEG table) are listed after this message on the //MVGPRINT data set.

Severity: Information.

System action: Processing continues.

Module: EKYV120X

**EKYV121I NO EXPLICIT PARAMETERS
SPECIFIED IN PR=*prid***

Explanation: The PR coded in the MVG input tables does not specify any propagation parameters (PR table and SEG table). All the columns that should contain propagation parameters are coded NOT NULL WITH DEFAULT. IMS DPROP will use the default propagation parameters for its processing.

Severity: Information.

System action: Processing continues.

Module: EKYV120X

EKYV122E PR=*prid* HAS NO FIELDS

Explanation: There are no fields in the DPRIFLD table for the identified PR.

Severity: Error.

System action: The validation terminates for this PR but the MVGU will process the next PR, database, or segment if any is specified on the MVGU CREATE statement or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: Provide at least one field description and rerun the job for this PR.

Module: EKYV110X

**EKYV123E TABLE=*tablename* APPEARS ONCE
QUALIFIED AND ANOTHER TIME
UNQUALIFIED IN THIS PR**

Explanation: The listed table appears more than once in this PR, but it appears once unqualified and another time qualified. Because the PR is subject to DB2-to-IMS propagation, the HUP is called. However, the HUP cannot build its control blocks.

Severity: Error.

System action: The validation terminates for this PR, but the MVGU will process the next PR, database, or

segment if any is specified on the MVGU CREATE statement, or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: Either specify a different table name, or qualify your table with different qualifier, and rerun the job for this PR.

Module: EKYV110X

**EKYV124E AN EXITNAME IS SPECIFIED ON AN
INTERNAL SEGMENT; PR=*prid*;
DBNAME=*dbname*, SEGNAME=*segment***

Explanation: Segment exits cannot be specified for internal segments. If you want your internal segment to be processed by a Segment Exit, specify the exit on the containing segment (ROLE=C). Note that for PRTYPE=E, you must specify a Segment Exit on the containing segment.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing of this PR is terminated, but the MVGU will process the next PR, database, or segment if any is specified on the MVGU CREATE statement or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: Correct your PR definitions and rerun the job for this PR.

Module: EKYV110X

**EKYV125E INVALID START POSITION OF AN
INTERNAL SEGMENT IN PR=*prid*;
DBNAME=*dbname*, SEGNAME=*segment***

Explanation: The specification of the start position of the internal segment is invalid. It can be either a numeric literal (greater than zero), a field name + a literal, or a segment name + a literal.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing of this PR is terminated, but the MVGU will process the next PR, database, or segment if any is specified on the MVGU CREATE statement, or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: Correct your PR definitions and rerun the job for this PR.

Module: EKYV110X

**EKYV126E INVALID SPECIFICATION OF THE NEXT
OCCURRENCE OF AN INTERNAL
SEGMENT IN PR=*prid*;
DBNAME=*dbname*, SEGNAME=*segment***

Explanation: Either of the following occurs:

- The segment is a variable-length internal segment and a fixed length (BYTES) is specified (BYTES cannot be specified for variable internal segments), or
- The NEXT specification is incomplete, or
- Neither BYTES nor NEXT is specified

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing of this PR is terminated, but the MVGU will process the next PR, database, or segment if any is specified on the MVGU CREATE statement, or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: Correct your PR definitions and rerun the job for this PR.

Module: EKYV110X

**EKYV127E INVALID ROLE FOR AN INTERNAL SEGMENT IN PR=prid;
DBNAME=dbname, SEGNAME=segment,
ROLE=role**

Explanation: The specified segment role is invalid for an internal segment. The only roles supported by IMS DPROP are E (Entity segment) or S (startseg segment).

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing of this PR is terminated, but the MVGU will process the next PR, database, or segment if any is specified on the MVGU CREATE statement, or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: Correct your PR definitions and rerun the job for this PR.

Module: EKYV110X

**EKYV128E STARTSEG SEGMENT SHOULD BE AN INTERNAL SEGMENT; PR=prid,
DBNAME=dbname, SEGNAME=segment,
ROLE=role**

Explanation: The identified segment has a role of S specified (startseg segment), but it is not defined as an internal segment. Only internal segments can be STARTSEG segments.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing of this PR is terminated, but the MVGU will process the next PR, database, or segment if any is specified on the MVGU CREATE statement, or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: Correct your PR definitions and rerun the job for this PR.

Module: EKYV110X

**EKYV129E INTERNAL SEGMENT INFORMATION SPECIFIED FOR AN IMS SEGMENT;
PR=prid, DBNAME=dbname,
SEGNAME=segment**

Explanation: The identified segment is defined as an IMS segment (FORMAT is blank), but internal segment information is specified in the PR definitions.

Severity: Error.

System action: The validation processing continues. When validation is complete, the processing of this PR is terminated, but the MVGU will process the next PR, database, or segment if any is specified on the MVGU CREATE statement, or it will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: Correct your PR definitions and rerun the job for this PR.

Module: EKYV110X

EKYV200E INVALID DELETE CONTROL STATEMENT

Explanation: The MVGU DELETE statement specified in the //MVGUIN data set contains an invalid keyword.

Severity: Error.

System action: The MVGU ignores this DELETE statement and will process the next MVGU statement if any exists on the //MVGUIN data set.

Programmer response: For the correct syntax of the MVGU statement, see IMS DPROP Reference. Correct this statement and resubmit the job.

Module: EKYV200X

EKYV201I PROCESSING OF THE DELETE STATEMENT FOR PR=prid STARTED

Explanation: The delete processing of the identified PR started.

Severity: Information.

System action: Processing continues.

Module: EKYV200X

EKYV202I PROCESSING OF THE DELETE STATEMENT FOR DBD=dbdname STARTED

Explanation: The delete processing of the PRs in the IMS DPROP directory propagating the identified database started.

Severity: Information.

System action: Processing continues.

Module: EKYV200X

**EKYV203I PROCESSING OF THE DELETE
STATEMENT FOR DBD=*dbdname*,
SEG=*segment* STARTED**

Explanation: The delete processing of the PRs in the IMS DPROP directory propagating the identified segment started.

Severity: Information.

System action: Processing continues.

Module: EKYV200X

**EKYV300E INVALID RECREATE CONTROL
STATEMENT**

Explanation: The MVGU RECREATE statement specified in the //MVGUIN data set contains an invalid keyword.

Severity: Error.

System action: The MVGU ignores this RECREATE statement and processes the next MVGU statement, if any exists on the //MVGUIN data set.

Programmer response: For the correct syntax of the MVGU statement, see IMS DPROP Reference.

Correct this statement and resubmit the job.

Module: EKYV300X

**EKYV301I PROCESSING OF THE RECREATE
STATEMENT FOR PR=*prid* STARTED**

Explanation: The recreate processing of the identified PR started.

Severity: Information.

System action: Processing continues.

Module: EKYV300X

**EKYV302I PROCESSING OF THE RECREATE
STATEMENT FOR DBD=*dbdname*
STARTED**

Explanation: The recreate processing of the PRs in the IMS DPROP directory propagating the identified database started.

Severity: Information.

System action: Processing continues.

Module: EKYV300X

**EKYV303I PROCESSING OF THE RECREATE
STATEMENT FOR DBD=*dbdname*,
SEG=*segment* STARTED**

Explanation: The recreate processing of the PRs in the IMS DPROP directory propagating the identified segment started.

Severity: Information.

System action: Processing continues.

Module: EKYV300X

**EKYV304I PROCESSING OF THE RECREATE
STATEMENT STARTED**

Explanation: The recreate processing of all the PRs in the IMS DPROP directory started.

Severity: Information.

System action: Processing continues.

Module: EKYV300X

**EKYV400E INVALID REVALIDATE CONTROL
STATEMENT**

Explanation: The MVGU REVALIDATE statement specified in the //MVGUIN data set contains an invalid keyword.

Severity: Error.

System action: The MVGU ignores this REVALIDATE statement and processes the next MVGU statement, if any exists on the //MVGUIN data set.

Programmer response: For the correct syntax of the MVGU statement, see IMS DPROP Reference.

Correct this statement and resubmit the job.

Module: EKYV400X

**EKYV401I PROCESSING OF THE REVALIDATE
STATEMENT FOR PR=*prid* STARTED**

Explanation: The revalidate processing of the identified PR started.

Severity: Information.

System action: Processing continues.

Module: EKYV400X

**EKYV402I PROCESSING OF THE REVALIDATE
STATEMENT FOR DBD=*dbdname*
STARTED**

Explanation: The revalidate processing of the PRs in the IMS DPROP directory propagating the identified database started.

Severity: Information.

System action: Processing continues.

Module: EKYV400X

**EKYV403I PROCESSING OF THE REVALIDATE
STATEMENT FOR DBD=*dbname*,
SEG=*segment* STARTED**

Explanation: The revalidate processing of the PRs in the IMS DPROP directory propagating the identified segment started.

Severity: Information.

System action: Processing continues.

Module: EKYV400X

**EKYV404I PROCESSING OF THE REVALIDATE
STATEMENT STARTED**

Explanation: The revalidate processing of all the PRs in the IMS DPROP directory started.

Severity: Information.

System action: Processing continues.

Module: EKYV400X

Chapter 22. CIA service messages

EKYXA00E DPROF CIA INITIALIZATION NOT DONE.

Explanation: This is an internal IMS DPROF error. An IMS DPROF module called the internal IMS DPROF CIA (Control Information Access) component even though the CIA was not initialized.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump. If possible, activate the IMS DPROF trace with a trace level of `DEBUG=31`, rerun the job step, and save the trace output.

Module: EKYXA00X

EKYXA01E OBJECT RETRIEVED FROM VLF IS NOT THE GMTS START OF OBJECT=*obj*

Explanation: Module EKYXA00X attempted to retrieve the GMTS from VLF but the object retrieved was not the expected GMTS record. *obj* contains the first bytes of the object retrieved from VLF.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether software other than IMS DPROF software erroneously created VLF objects in the VLF class reserved for IMS DPROF. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA00X

EKYXA02E UNEXPECTED DPRNAME/TOKEN IN VLF COPY OF GMTS RECORD READ : DPRNAME=*dpr1* DPRTOKEN=*dprto1* EXPECTED : DPRNAME=*dpr2* DPRTOKEN=*dprto2*

Explanation: Using software other than IMS DPROF software to store VLF objects in a VLF class reserved for IMS DPROF can cause this error. Module EKYXA00X read the GMTS record from VLF. During validation, EKYXA00X found unexpected values in the DPRNAME or DPRTOKEN fields in the GMTS record.

dpr2 and *dprto2* are the expected DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual DPRNAME and DPRTOKEN in the GMTS record read from VLF.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether software other than IMS DPROF software erroneously created VLF objects in the VLF class reserved for IMS DPROF. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA00X

EKYXA03E UNEXPECTED DPROF LEVEL IN VLF COPY OF GMTS RECORD LEVEL=*DPRLV*

Explanation: Module EKYXA00X read the GMTS record from VLF. During validation, EKYXA00X found an unexpected value in the field containing the software level of the module that created the GMTS record. This error occurs if you combine IMS DPROF modules of incompatible software levels for the same IMS DPROF system.

dprlv is the software level of the IMS DPROF module that created the GMTS record. This software level is not compatible with the software level of EKYXA00X. The software level of EKYXA00X is in the CSECT SAVEID of module EKYXA00X in the dump.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: If you did not use IMS DPROF modules of incompatible software levels, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA00X

EKYXA04E UNEXPECTED VLF OBJECT SIZE FOR GMTS RECORD VLF OBJECT SIZE=*vlfobj* EXPECTED SIZE=*size*

Explanation: Using software other than IMS DPROF software to store VLF objects in a VLF class reserved for IMS DPROF can cause this error. Module EKYXA00X read the GMTS record from VLF. During validation, EKYXA00X found that the VLF object had an unexpected length.

vlfobj and *size* are the actual and expected size of the VLF object.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether software other than IMS DPROF software erroneously created VLF objects in the VLF class reserved for IMS

DPROP. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA00X

EKYXA21E INVALID CALL FUNCTION FOR EKYXA20X

Explanation: This is an internal IMS DPROP error. Module EKYX420X was called by other IMS DPROP modules using an invalid call function.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA20X

EKYXA22E FIND ERROR FOR MEMBER=*member* IN DATASET= *ddn*

Explanation: EKYXA20X issued a FIND macro to locate a member in a directory of the data set. A FIND macro error occurred while trying to find the member. This is an IMS DPROP internal message.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Determine if the error was caused by problems in the installation environment or user input. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA20X

EKYXA23E OPEN FAILED FOR //EKGMTS

Explanation: EKYXA20X could not open the //EKGMTS data set. Refer to MVS and/or DFP messages for a more detailed explanation.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Determine if the error was caused by problems in the installation environment or user input. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA20X

EKYXA24E STOW FAILED FOR MEMBER=*member* IN DATASET= *ddn*

Explanation: EKYXA20X could not add the member to the directory of the data set. Refer to the MVS and/or DFP messages for a more detailed explanation.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Determine if the error was caused by problems in the installation environment or user input. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA20X

EKYXA25E RDJFCB ERROR FOR DDNAME=//EKGMTS

Explanation: EKYXA20X attempted to retrieve a data set name using the RDJFCB macro. The attempt failed.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Determine if the error was caused by problems in the installation environment or user input. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA20X

**EKYXA26E DSNAMES OF //EKGMTS DOES NOT MATCH DPROGEN SPECIFICATIONS
SUPPLIED DPNAME=*dprname*
EXPECTED DSNAMES=*gmtsdsn***

Explanation: Module EKYXA20X was called to update or create the GMTS record. During validation, EKYXA20X found that the data set name of the GMTS allocated through the //EKGMTS DD statement did not match the data set name specified during DPROGEN for the IMS DPROP system used in the current job step.

dprname is the name of the IMS DPROP system used in the current job step. *gmtsdsn* is the correct data set name of the GMTS for that IMS DPROP system.

During DPROGEN, the system administrator specifies a different GMTS data set name for each IMS DPROP system. The specified data set names are recorded in load module EKYG000X.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Correct the //EKGMTS DD statement so that it specifies the data set name specified during DPROGEN.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYXA20X

EKYXA27E DPROT-SYSTEM NAME=*dprn* NOT FOUND IN EKYG000X MODULE

Explanation: Module EKYXA20X was called to update or create the status file record. During validation, EKYXA20X found that the name of the IMS DPROT system contained in the status file record provided by the caller did not match the name of any IMS DPROT system specified during DPROTGEN and recorded in load module EKYG000X.

dprn is the name of the IMS DPROT system contained in the status file record provided by the calling modules.

Severity: Error.

System action: IMS DPROT issues an abend.

User response: Check whether the:

- //EKYRESLB DD statement and the //STEPLIB or //JOBLIB DD statements provide access to the library containing the correct EKYG000X module.
- //EKYSTATF DD statement provides access to the correct and current status file for the IMS DPROT system.
- Status file was created or updated exclusively using the Status Change utility.

Problem determination: Save the dump.

Module: EKYXA20X

EKYXA28E //EKGMTS DD STATEMENT MISSING

Explanation: EKYXA20X was called to create or update the GMTS record, and checked (via DEVTYPE macro) to see if an //EKGMTS data set was allocated to this job step, but none was found.

Severity: Error.

System action: IMS DPROT issues an abend.

User response: Provide the required //EKGMTS DD statement.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYXA20X

EKYXA29E I-O ERROR ENCOUNTERED; REFER TO SYNAD ERROR MESSAGE

Explanation: EKYXA20X encountered an I/O error for the //EKGMTS data set. A SYNAD routine was entered and the I/O message was captured and printed as part of the message text output by EKYXA20X.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine if the error was caused by problems in the installation environment or user input. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA20X

EKYXA30E ATTEMPT TO READ FROM EMPTY MEMBER=*ptddprn* IN DATASET= *ddn*

Explanation: EKYXA20X attempted to read a record from the //EKGMTS data set, but the member specified by *ptddprn* was empty. An EODAD routine was entered.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine if the error was caused by problems in the installation environment or user input. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA20X

EKYXA31E *caller* FUNCTION INVOKED THE *called* FUNCTION BUT THE GMTS MEMBER WAS NOT CREATED/UPDATED

Explanation: IMS DPROT cannot determine if the GMTS should be update or created. This is an IMS DPROT internal error.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine if the error was caused by problems in the installation environment or user input. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA20X

EKYXA32W CREATE FUNCTION INVOKED BUT MEMBER=*ptddprn* ALRE ADY EXISTS; ATTEMPT TO UPDATE MEMBER

Explanation: EKYXA20X was invoked to create the GMTS record, but found the member, as specified by *ptddprn*, already exists.

Severity: Warning.

System action: The member will be updated.

User response: No user action required.

Module: EKYXA20X

**EKYXA33W UPDATE FUNCTION INVOKED BUT
MEMBER=*ptddprn* DOES NOT EXIST;
ATTEMPT TO CREATE MEMBER**

Explanation: EKYXA20X was invoked to update the GMTS record, but found the member as specified by *ptddprn*, does not exist.

Severity: Warning.

System action: The member will be created.

User response: No user action required.

Module: EKYXA20X

**EKYXA41E RECORD IN //EKYGMTS PDS IS NOT
VALID START OF RECORD=*OBJ***

Explanation: Module EKYXA40X read the GMTS record. During validation, EKYXA40X found that the record did not look like the GMTS record.

obj contains the first bytes of the record that was read.

Not using the SCU to create or update the IMS DPROP Status File record can cause this error.

The GMTS record should be created and updated exclusively by IMS DPROP utility functions.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Determine whether the status file record was created or updated using the Status Change utility. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA40X

**EKYXA42E UNEXPECTED DPRNAME/TOKEN IN
//EKYGMTS RECORD READ :
DPRNAME=*dprname* DPRTOKEN= *dprto*
EXPECTED: DPRNAME=*dprname*
DPRTOKEN= *dprto***

Explanation: Module EKYXA40X read the GMTS record. During validation, EKYXA40X found that the record did not contain expected values in the DPRNAME and/or DPRTOKEN fields.

dpr2 and *dprto2* are the expected values for DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the values of DPRNAME and DPRTOKEN that were actually read.

Not using the SCU to create or update the IMS DPROP Status File record can cause this error.

The GMTS record should be created and updated exclusively using IMS DPROP utility functions.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Determine whether the status file record was created or updated using the Status Change utility. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA40X

**EKYXA43E UNEXPECTED DPROP LEVEL IN
//EKYGMTS RECORD LEVEL=*dprlv***

Explanation: Module EKYXA40X read the GMTS record. During validation, EKYXA40X found that the record contained an unexpected value in the field containing the software level of the IMS DPROP module that created the record.

dprlv is the software level of the IMS DPROP module that created the GMTS record. This level is not compatible with the software level of EKYXA40X. The software level of EKYXA40X can be found in the CSECT SAVEID of module EKYXA40X in the dump.

Combining IMS DPROP modules of different software levels for the same IMS DPROP system can cause this error.

Note also that the GMTS file record should be created and updated exclusively by IMS DPROP utility functions.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If you did not use IMS DPROP modules of incompatible software levels, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA40X

**EKYXA44E FIND ERROR FOR MEMBER=*ptddprn* IN
DATASET=*ddn***

Explanation: EKYXA40X issued a FIND macro to locate the member in the directory of the data set. A FIND macro error occurred while trying to find the member. This is an IMS DPROP internal error.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Determine if the error was caused by problems in the installation environment or user input. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA40X

**EKYXA45E MEMBER=*ptddprn* NOT FOUND IN
DATASET=*ddn***

Explanation: EKYXA40X issued a FIND to locate the member in the directory of the data set. EKYXA40X expects the member to exist, but it is not found.

Severity: Error.

System action: IMS DPROG issues an abend.

System programmer response: Determine if the error was caused by problems in the installation environment or user input. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA40X

**EKYXA46E ATTEMPT TO READ FROM EMPTY
MEMBER=*ptddprn* IN DATASET=*ddn***

Explanation: EKYXA40X attempted to read the GMTS record from the member, specified by *ptddprn*, but the member is empty. An EODAD routine is entered.

Severity: Error.

System action: IMS DPROG issues an abend.

System programmer response: Determine if the error was caused by problems in the installation environment or user input. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA40X

EKYXA47E OPEN FAILED FOR //EKYGMTS

Explanation: EKYXA40X could not open the //EKYGMTS data set. Refer to the MVS or DFP messages for more detailed explanation.

Severity: Error.

System action: IMS DPROG issues an abend.

System programmer response: Determine if the error was caused by problems in the installation environment or user input. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA40X

**EKYXA48E RDJFCB FAILED FOR
DDNAME=//EKYGMTS**

Explanation: EKYXA40X attempted to retrieve the data set name using the RDJFCB macro. The attempt failed.

Severity: Error.

System action: IMS DPROG issues an abend.

System programmer response: Determine if the error was caused by problems in the installation environment or user input. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA40X

**EKYXA49E DSNAME OF //EKYGMTS DOES NOT
MATCH DPROGEN SPECIFICATIONS
DPROG NAME=*dprname* EXPECTED
GMTS DSN=*gmtsdsn***

Explanation: Module EKYXA40X was called to update or create the GMTS record. During validation, EKYXA40X found that the data set name of the GMTS allocated through the //EKYGMTS DD statement did not match the data set name specified during DPROGEN for the IMS DPROG system used in the current job step.

dprname is the name of the IMS DPROG system used in the current job step. *gmtsdsn* is the correct data set name of the GMTS for that IMS DPROG system.

During DPROGEN, the system administrator specifies a different GMTS data set name for each IMS DPROG system. The specified data set names are recorded in load module EKYG000X.

Severity: Error.

System action: IMS DPROG issues an abend.

User response: Correct the //EKYGMTS DD statement so that it specifies the data set name specified during DPROGEN.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYXA40X

**EKYXA50E //EKYGMTS DD STATEMENT IS
MISSING**

Explanation: EKYXA40X was called to create or update the GMTS record, and checked (via DEVTYPE macro) to see if an //EKYGMTS data set was allocated to this job step, but none was found.

Severity: Error.

System action: IMS DPROG issues an abend.

User response: Provide the required //EKYGMTS DD statement.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYXA40X

EKYXA51E I-O ERROR ENCOUNTERED, REFER TO SYNAD ERROR MESSAGE

Explanation: EKYXA40X encountered an I/O error for the //EKGMTS data set. A SYNAD routine was entered and the I/O message is captured and printed as part of the message text of EKYXA51E.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Determine if the error was caused by problems in the installation environment or user input. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA40X

EKYXA52E INVALID FUNCTION CODE ENCOUNTERED BY EKYXA51X

Explanation: The EKGMTS allocation interface module EKYXA51X was called with an invalid function code in register 1.

Severity: Error.

System action: IMS DPROP issues an 1108 abend.

System programmer response: Contact the IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA51X

EKYXA53E RDJFCB FAILED FOR DDNAME //EKGMTS

Explanation: The IMS DPROP dynamic allocation interface module EKYXA51X received a non-zero return code from the RDJFCB macro when attempting to retrieve the GMTS PDS name.

Severity: Error.

System action: IMS DPROP issues an 1108 abend.

System programmer response: Determine the cause of the RDJFCB failure. If the error was not caused by the state of the user installation environment or by used input, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA51X

EKYXA54E GMTS DSN ON //EKGMTS DD DOES NOT MATCH DPROGEN SPECIFICATIONS DPROP NAME GENED = *dprname* EXPECTED GMTS DSN = *gmtsdsn*

Explanation: The GMTS data set name specified on the //EKGMTS DD statement did not match the one

specified on the DPROGEN for the IMS DPROP system used in the current job step.

dprname is the name of the IMS DPROP system used in the current job step. *gmtsdsn* is the correct data set name of the GMTS for that IMS DPROP system.

The system administrator had specified a different GMTS data set name for each IMS DPROP system during DPROGEN. The specified GMTS data set names are recorded in load module EKYG000X.

Severity: Error.

System action: IMS DPROP issues an 1108 abend.

System programmer response: Correct the //EKGMTS DD statement so that it contains the same data set name specified during DPROGEN.

Problem determination: Save the dump and JCL listings.

Module: EKYXA51X

EKYXA55E DYNAMIC ALLOCATION FAILED FOR DDNAME //EKGMTS

Explanation: The IMS DPROP dynamic allocation interface module EKYXA51X received a non-zero return code when attempting to allocate the GMTS DD name.

The PTD register area (PTDREGAB) contains in register 15 the ECB return code and in register 1 the address of the ECB.

Severity: Error.

System action: IMS DPROP issues an 1108 abend.

System programmer response: Determine the cause of the allocation failure using the PTD information. If the error was not caused by the state of the user installation environment or by used input, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA51X

EKYXA61E OBJECT RETRIEVED FROM VLF IS NOT THE GMTS START OF OBJECT=*obj*

Explanation: Module EKYXA60X read the status file record from VLF. During validation, EKYXA60X found that the object read from VLF does not look like the status file record. *obj* contains the first bytes of the object retrieved from VLF. Using software other than IMS DPROP software to store VLF objects in a VLF class reserved for IMS DPROP can cause this error.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Determine whether software other than IMS DPROP software erroneously

created VLF objects in the VLF class reserved for IMS DPROF. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA60X

**EKYXA62E UNEXPECTED DPRNAME/TOKEN IN
//EKYGMTS RECORD READ :**
**DPRNAME=*dprname1* DPRTOKEN=
dprto1 EXPECTED:**
**DPRNAME=*dprname2* DPRTOKEN=
*dprto2***

Explanation: Module EKYXA60X read the GMTS record from VLF. During validation, EKYXA60X found unexpected values in the DPRNAME or DPRTOKEN fields located in the GMTS record.

dprname2 and *dprto2* are the expected DPRNAME and DPRTOKEN. *dprname1* and *dprto1* are the actual DPRNAME and DPRTOKEN located in the GMTS record read from VLF.

Using software other than IMS DPROF software to store VLF objects in a VLF class reserved for IMS DPROF can cause this error.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether software other than IMS DPROF software erroneously created VLF objects in the VLF class reserved for IMS DPROF. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA60X

**EKYXA63E UNEXPECTED DPROF LEVEL IN
//EKYGMTS RECORD LEVEL=*DPRLV***

Explanation: Module EKYXA60X read the GMTS record from VLF. During validation, EKYXA60X found an unexpected value in that field of the GMTS record containing the IMS DPROF software level of the IMS DPROF module that created the GMTS record.

dprlv is the IMS DPROF software level of the IMS DPROF module that created the GMTS record. This software level is not compatible with the software level of EKYXA60X. The software level of EKYXA60X is in the CSECT SAVEID of module EKYXA60X in the dump.

Combining IMS DPROF modules of different software levels for the same IMS DPROF system can cause this error.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: If the installation

does not erroneously combine use of modules of incompatible IMS DPROF software levels, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA60X

**EKYXA64E UNEXPECTED VLF OBJECT SIZE FOR
GMTS RECORD VLF OBJECT
SIZE=*vlfobjs* EXPECTED SIZE= *size***

Explanation: Module EKYXA60X read the GMTS record from VLF. During validation, EKYXA60X found that the VLF object had an unexpected length.

vlfobjs and *size* are the actual size of the VLF object and the expected size.

Using software other than IMS DPROF software to store VLF objects in a VLF class reserved for IMS DPROF can cause this error.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether software other than IMS DPROF software erroneously created VLF objects in the VLF class reserved for IMS DPROF. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA60X

**EKYXA65E INTERNAL ERROR: INVALID LENGTH
IN SVRVTLSSL**

Explanation: Module EKYXA60X was called by other IMS DPROF modules to read the GMTS record. During validation, EKYXA60X found that the SVRVTLSSL field contained an invalid length. This is an internal IMS DPROF error.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA60X

EKYXA71E OPEN FAILED FOR //EKYGMTS

Explanation: EKYXA70X could not open the //EKYGMTS data set. Refer to the MVS and/or DFP messages for a more detailed explanation.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine if the error was caused by problems in the installation

environment or user input. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXA70X

**EKYXA99E UNEXPECTED VLF ERROR,
CSECT=CSECT VLF CLASS=CLASS
PDS DDNAME=DDNAME VLF
MACRO=MACRO VLF RETURN
CODE=RC**

Explanation: The identified CSECT encountered an unexpected VLF-related error. The message gives the name of the failing VLF macro, and the return code and reason code returned by that macro. The message also displays the name of the VLF PDS class and (if applicable) the associated data set name of the VLF object involved in the failing operation.

Severity: Error.

System action: IMS DPROB issues an abend.

System programmer response: Determine the cause of the VLF-related problem and resolve the problem. If necessary, call IBM Software Support for assistance.

Problem determination: For a description of the return codes and reason codes returned by the failing VLF macro, see OS/390 MVS Application Development Macro Reference.

Module: Various modules.

EKYXB00E DPROB CIA INITIALIZATION NOT DONE

Explanation: This is an internal IMS DPROB error. An IMS DPROB module called the internal IMS DPROB CIA (control information access) component even though CIA was not initialized.

Severity: Error.

System action: IMS DPROB issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: If possible, activate the IMS DPROB trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output. Save the dump.

Module: EKYXB00X

**EKYXB01E OBJECT RETRIEVED FROM VLF IS
NOT THE STATUS FILE RECORD,
START OF OBJECT=OBJ**

Explanation: Using software other than IMS DPROB software to store VLF objects in a VLF class reserved for IMS DPROB can cause this error. Module EKYXB00X read the status file record from VLF. During validation, EKYXB00X found that the object read from VLF did not look like the status file record. *obj* contains

the first bytes of the object retrieved from VLF.

Severity: Error.

System action: IMS DPROB issues an abend.

System programmer response: Determine whether software other than IMS DPROB software erroneously created VLF objects in the VLF class reserved for IMS DPROB. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB00X

**EKYXB02E UNEXPECTED DPRNAME/TOKEN IN
VLF COPY OF STATUS FILE RECORD,
READ : DPRNAME=DPRNAME,
DPRTOKEN=DPRTOK EXPECTED:
DPRNAME=DPRNAME,
DPRTOKEN=DPRTOK**

Explanation: Using software other than IMS DPROB software to store VLF objects in a VLF class reserved for IMS DPROB can cause this error. Module EKYXB00X read the status file record from VLF. During validation, EKYXB00X found unexpected values in the DPRNAME or DPRTOKEN fields in the status file record.

dpr2 and *dprto2* are the expected DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual DPRNAME and DPRTOKEN in the status file record read from VLF.

Severity: Error.

System action: IMS DPROB issues an abend.

System programmer response: Determine whether software other than IMS DPROB software erroneously created VLF objects in the VLF class reserved for IMS DPROB. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB00X

**EKYXB04E UNEXPECTED DPROB LEVEL IN VLF
COPY OF STATUS FILE RECORD,
LEVEL=DPRLV**

Explanation: Module EKYXB00X read the status file record from VLF. During validation, EKYB400X found an unexpected value in the field containing the software level of the module that created the status file record. This error occurs if you combine IMS DPROB modules of incompatible software levels for the same IMS DPROB system.

dprlv is the software level of the IMS DPROB module that created the status file record. This software level is not compatible with the software level of EKYB400X. The software level of EKYB400X is in the CSECT SAVEID of module EKYXB00X in the dump.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: If you did not use IMS DPROT modules of incompatible software levels, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB00X

**EKYXB05E INVALID STATUS VALUE IN THE
STATUS FILE RECORD, START OF
OBJECT=OBJ**

Explanation: Using software other than IMS DPROT software to store VLF objects in a VLF class reserved for IMS DPROT can cause this error. Module EKYXB00X read the status file record from VLF. During validation, EKYXB00X found an unexpected value in the field of the status file record containing the STATUS of the IMS DPROT system.

obj is the beginning of the status file record retrieved from VLF.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether software other than IMS DPROT software erroneously created VLF objects in the VLF class reserved for IMS DPROT. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB00X

**EKYXB06E UNEXPECTED VLF OBJECT SIZE FOR
STATUS FILE RECORD VLF OBJECT
SIZE=VLFOBJS, EXPECTED SIZE=SIZE**

Explanation: Using software other than IMS DPROT software to store VLF objects in a VLF class reserved for IMS DPROT can cause this error. Module EKYXB00X read the status file record from VLF. During validation, EKYXB00X found that the VLF object had an unexpected length.

vlfoajs and *size* are the actual and expected size of the VLF object.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether software other than IMS DPROT software erroneously created VLF objects in the VLF class reserved for IMS DPROT. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB00X

**EKYXB11E RECORD IN //EKYMQST FILE IS NOT
VALID, START OF RECORD=OBJ**

Explanation: Not using the CUT to create or update the IMS DPROT Status File record can cause this error. Module EKYXB10X read the status file record. During validation, EKYXB10X found that the record did not look like the status file record.

obj contains the first bytes of the record that was read.

The status file record should be created and updated exclusively by IMS DPROT utility functions.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether the status file record was created or updated using the Capture System utility. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB10X

**EKYXB12E UNEXPECTED DPRNAME/TOKEN IN
//EKYMQST RECORD, READ :
DPRNAME=DPRNAME,
DPRTOKEN=DPRTO, EXPECTED:
DPRNAME=DPRNAME,
DPRTOKEN=DPRTO**

Explanation: Not using the CUT to create or update the IMS DPROT Status File record can cause this error. Module EKYXB10X read the status file record. During validation, EKYXB10X found that the record did not contain expected values in the DPRNAME and/or DPRTOKEN fields.

dpr2 and *dprto2* are the expected values for DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the values of DPRNAME and DPRTOKEN that were actually read.

The status file record should be created and updated exclusively using IMS DPROT utility functions.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether the status file record was created or updated using the Capture System utility. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB10X

**EKYXB14E UNEXPECTED DPROT LEVEL IN
//EKYMQST RECORD LEVEL=DPRLV**

Explanation: Combining IMS DPROT modules of different software levels for the same IMS DPROT system can cause this error. Module EKYXB10X read

the status file record. During validation, EKYXB10X found that the record contained an unexpected value in the field containing the software level of the IMS DPROF. module that created the record.

dprlv is the software level of the IMS DPROF module that created the status file record. This level is not compatible with the software level of EKYXB10X. The software level of EKYXB10X can be found in the CSECT SAVEID of module EKYXB10X in the dump.

Note also that the status file record should be created and updated exclusively by IMS DPROF utility functions.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: If you did not use IMS DPROF modules of incompatible software levels, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB10X

EKYXB15E THE //EKYMQST FILE IS EMPTY OR DUMMY

Explanation: Module EKYXB10X tried to read the status file record. It found that either:

- The status file was empty, or
- The //EKYMQST DD statement was set to DUMMY.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether //EKYMQST was set to DUMMY or whether the status file was empty.

- If //EKYMQST was empty, determine how this happened. The Capture System utility can be used to create the status file record.
- If //EKYMQST was set to DUMMY, correct the //EKYMQST DD statement so that it describes the status file.

Problem determination: Save the JCL listings.

Module: EKYXB10X

EKYXB16E OPEN FOR //EKYMQST FAILED

Explanation: Module EKYXB10X could not open the //EKYMQST data set. Refer to messages issued by MVS and/or DFP, which describe the reason for the failure.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Check the messages issued by MVS and/or DFP to determine the nature of the failure.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYXB10X

EKYXB17E RDJFCB FOR //EKYMQST FAILED

Explanation: An MVS RDJFCB macro issued by IMS DPROF module EKYXB10X failed. Refer to message EKYZ520E, which describes the reason for the failure.

Severity: Error.

System action: IMS DPROF issues an abend.

Programmer response: See message EKYZ520E to determine the nature of the failure.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYXB10X

EKYXB18E //EKYMQST DD STATEMENT DOES NOT MATCH DPROFGEN SPECIFICATIONS, DPROF NAME=DPRNAME, EXPECTED MBRNAME=MBR, EXPECTED DSN=DSN

Explanation: Module EKYXB10X was called to read the status file record. During validation, EKYXB10X found that the data set name of the status file allocated through the //EKYMQST DD statement did not match the data set name specified during DPROFGEN for the IMS DPROF system used in the current job step.

dpr is the name of the IMS DPROF system used in the current job step. *dsn* is the correct data set name of the status file for that IMS DPROF system.

During DPROFGEN, the system administrator specifies a different status file data set name for each IMS DPROF. system. The specified data set names are recorded in load module EKYG000X.

Severity: Error.

System action: IMS DPROF issues an abend.

User response: Correct the //EKYMQST DD statement so that it specifies the data set name specified during DPROFGEN.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYXB10X

EKYXB19E //EKYMQST DD STATEMENT IS MISSING

Explanation: Module EKYXB10X was called to read the status file record. EKYXB10X found that the //EKYMQST DD statement describing the status file was missing.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Provide the required //EKYMQST DD statement.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYXB10X

**EKYXB20E INVALID CALL FUNCTION FOR
EKYXB20X**

Explanation: This is an internal IMS DPROP error. Module EKYXB20X was called by other IMS DPROP modules using an invalid call function.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB20X

**EKYXB21E INVALID STATUS FILE RECORD START
OF RECORD=REC**

Explanation: This is an internal IMS DPROP error. Module EKYXB20X was called by other IMS DPROP modules to create or update the status file record. During validation, EKYXB20X found that the area provided by the calling modules did not contain a valid status file record.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB20X

**EKYXB22E UNEXPECTED DPRNAME/TOKEN IN
STATUS FILE RECORD, PROVIDED:
DPRNAME=DPRNAME,
DPRTOKEN=DPRTO, EXPECTED:
DPRNAME=DPRNAME,
DPRTOKEN=DPRTO**

Explanation: This is an internal IMS DPROP error. Module EKYXB20X was called by other IMS DPROP modules to update or create the status file record. During validation, EKYXB20X found that the status file record provided by the calling modules did not contain the expected DPRNAME and/or DPRTOKEN.

dpr2 and *dprto2* are the expected values for DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual values

for DPRNAME and DPRTOKEN provided in the area of the calling module.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB20X

**EKYXB23E UNEXPECTED DPROP LEVEL IN
STATUS FILE RECORD LEVEL=DPRLV**

Explanation: Combining IMS DPROP modules of different software levels in the same job step can cause this error. Module EKYXB20X was called by other IMS DPROP modules to update or create the status file record. During validation, EKYXB20X found that the status file record provided by the calling modules contained the IMS DPROP software level shown in the message. This IMS DPROP software level does not match the software level of module EKYB420X. The software level of EKYXB20X is in the CSECT SAVEID of module EKYXB20X in the dump.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If you did not use IMS DPROP modules of different software levels in the same job step, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB20X

**EKYXB24E MVS/ESA COULD NOT RETRIEVE THE
DSNAME OF //EKYMQST**

Explanation: IMS DPROP tried to retrieve the data set name of the status file using MVS/ESA service functions. These service functions were unable to retrieve the data set name. Other messages, for example, EKYZ520E, are issued.

Severity: Error.

System action: IMS DPROP issues an abend.

Programmer response: See the information provided by the other messages that describe the reason for the failure.

Problem determination: Save the dump. Save the JES log.

Module: EKYXB20X

**EKYXB25E EKYMQST DD STATEMENT DOES NOT
MATCH DPROPGEN SPECIFICATIONS
DPROP NAME=DPRNAME, EXPECTED
MBRNAME=MBR, EXPECTED
DSN=DSN**

Explanation: Module EKYXB20X was called to update or create the status file record. During validation, EKYXB20X found that the data set name of the status file allocated through the //EKYMQST DD statement did not match the data set name specified during DPROPGEN for the IMS DPROP system used in the current job step.

dpr is the name of the IMS DPROP system used in the current job step. *dsn* is the correct data set name of the status file for that IMS DPROP system.

During DPROPGEN, the system administrator specifies a different status file data set name for each IMS DPROP system. The specified data set names are recorded in load module EKYG000X.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Correct the //EKYMQST DD statement so that it specifies the data set name specified during DPROPGEN.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYXB20X

**EKYXB26E DPROP NAME IN STATUS FILE
RECORD NOT FOUND IN EKYG000X
LOAD MODULE, DPROP
NAME=DPRNAME**

Explanation: Module EKYXB20X was called to update or create the status file record. During validation, EKYXB20X found that the name of the IMS DPROP system contained in the status file record provided by the caller did not match the name of any IMS DPROP system specified during DPROPGEN and recorded in load module EKYG000X.

dpr is the name of the IMS DPROP system contained in the status file record provided by the calling modules.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Check whether the:

- //EKYRESLB DD statement and the //STEPLIB or //JOB LIB DD statements provide access to the library containing the correct EKYG000X module.
- //EKYMQST DD statement provides access to the correct and current status file for the IMS DPROP system.
- Status file was created or updated exclusively using the CUT utility.

Problem determination: Save the dump.

Module: EKYXB20X

**EKYXB27E ERROR WHILE WRITING TO
//EKYMQST**

Explanation: IMS DPROP modules were creating or updating the status file record when an unexpected error, such as an I/O error, occurred. Other messages related to the error are issued.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Refer to the other messages, such as message EKYZ501E, to obtain information about this problem.

Module: EKYXB20X

**EKYXB28E INTERNAL ERROR: INVALID STATUS
IN STATUS FILE RECORD START OF
RECORD=REC**

Explanation: This is an internal IMS DPROP error. Module EKYXB20X was called by other IMS DPROP modules to create or update the status file record. During validation, EKYXB20X found an unexpected value in the field of the status file record containing the STATUS of the IMS DPROP system.

rec is the start of the status file record provided by the calling IMS DPROP modules.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB20X

EKYXB29E //EKYMQST DD STATEMENT MISSING

Explanation: Module EKYXB20X was called to create or update the status file record. EKYXB20X found that the //EKYMQST DD statement describing the status file was missing.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Provide the required //EKYMQST DD statement.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYXB20X

EKYXB30E DPROT SYSTEM *DPRNAME* HAS NOT BEEN GENERATED AS AN MQ-CAPTURE SYSTEM

Explanation: Not using the CUT to create or update the IMS DPROT Status File record can cause this error. Module EKYXB20X read the status file record. During validation, EKYXB20X found that this status file does not have been generated as an DPROT MQ Capture system. The status file record for MQ Capture should be created and updated exclusively by the Capture System utility functions.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether the status file record was created or updated using the Capture System utility. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB20X

EKYXB51E OBJECT RETRIEVED FROM VLF IS NOT THE STATUS FILE RECORD, START OF OBJECT=*OBJ*

Explanation: Using software other than IMS DPROT software to store VLF objects in a VLF class reserved for IMS DPROT can cause this error. Module EKYXB50X read the status file record from VLF. During validation, EKYXB50X found that the object read from VLF does not look like the status file record. *obj* contains the first bytes of the object retrieved from VLF.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether software other than IMS DPROT software erroneously created VLF objects in the VLF class reserved for IMS DPROT. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB50X

EKYXB52E UNEXPECTED DPRNAME/TOKEN IN VLF COPY OF STATUS FILE RECORD READ : DPRNAME=*DPRNAME*, DPRTOKEN=*DPRTO* EXPECTED: DPRNAME=*DPRNAME*, DPRTOKEN=*DPRTO*

Explanation: Using software other than IMS DPROT software to store VLF objects in a VLF class reserved for IMS DPROT can cause this error. Module EKYXB50X read the status file record from VLF. During validation, EKYXB50X found unexpected values in the

DPRNAME or DPRTOKEN fields located in the status file record.

dpr2 and *dprto2* are the expected DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual DPRNAME and DPRTOKEN located in the status file record read from VLF.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether software other than IMS DPROT software erroneously created VLF objects in the VLF class reserved for IMS DPROT. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB50X

EKYXB54E UNEXPECTED DPROT LEVEL IN VLF COPY OF STATUS FILE RECORD LEVEL=*DPRLV*

Explanation: Combining IMS DPROT modules of different software levels for the same IMS DPROT system can cause this error. Module EKYXB50X read the status file record from VLF. During validation, EKYXB50X found an unexpected value in that field of the status file record containing the IMS DPROT software level of the IMS DPROT module that created the status file record.

dprlv is the IMS DPROT software level of the IMS DPROT module that created the status file record. This software level is not compatible with the software level of EKYXB50X. The software level of EKYXB50X is in the CSECT SAVEID of module EKYXB50X in the dump.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: If the installation does not erroneously combine use of modules of incompatible IMS DPROT software levels, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB50X

EKYXB56E UNEXPECTED VLF OBJECT SIZE FOR STATUS FILE RECORD VLF OBJECT SIZE=*VLFobjs* EXPECTED SIZE=*SIZE*

Explanation: Using software other than IMS DPROT software to store VLF objects in a VLF class reserved for IMS DPROT can cause this error.

Module EKYXB50X read the status file record from VLF. During validation, EKYXB50X found that the VLF object had an unexpected length.

vlfobjs and *size* are the actual size of the VLF object and the expected size.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether software other than IMS DPROT software erroneously created VLF objects in the VLF class reserved for IMS DPROT. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB50X

EKYXB57E INTERNAL ERROR: INVALID LENGTH IN SVRVTLSL

Explanation: This is an internal IMS DPROT error. Module EKYXB50X was called by other IMS DPROT modules to read the status file record. During validation, EKYXB50X found that the SVRVTLSL field contained an invalid length.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB50X

EKYXB58E INVALID STATUS IN THE STATUS FILE RECORD START OF OBJECT=OBJ

Explanation: Using software other than IMS DPROT software to store VLF objects in a VLF class reserved for IMS DPROT can cause this error. Module EKYXB50X read the status file record from VLF. During validation, EKYXB50X found an unexpected value in that field of the status file record containing the STATUS of the IMS DPROT system.

obj is the start of the status file record retrieved from VLF.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether software other than IMS DPROT software erroneously created VLF objects in the VLF class reserved for IMS DPROT. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB50X

EKYXC00E ACCESS TO EKYMQST HAS NOT BEEN INITIALIZED

Explanation: This is an internal IMS DPROT error. An IMS DPROT module called the internal IMS DPROT CIA (control information access) component, to read the EKYMQST file, even though the CIA was not initialized.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: If possible, activate the IMS DPROT trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output. Save the dump.

Module: EKYXC00X

EKYXC01E OBJECT RETRIEVED FROM VLF IS NOT THE //EKYTRANS OBJECT START OF OBJECT=OBJ

Explanation: Using software other than IMS DPROT software to store VLF objects in a VLF class reserved for IMS DPROT can cause this error. Module EKYXC00X read the EKYTRANS object from VLF. During validation, EKYXC00X found that the object read from VLF does not look like the transmission specification file. *obj* contains the first bytes of the object retrieved from VLF.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether software other than IMS DPROT software erroneously created VLF objects in the VLF class reserved for IMS DPROT. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXC00X

**EKYXC02E UNEXPECTED DPRNAME/TOKEN IN VLF COPY OF //EKYTRANS OBJECT
READ : DPRNAME=DPRNAME,
DPRTOKEN=DPRTO EXPECTED:
DPRNAME=DPRNAME,
DPRTOKEN=DPRTO**

Explanation: Using software other than IMS DPROT software to store VLF objects in a VLF class reserved for IMS DPROT can cause this error. Module EKYXC00X read the EKYTRANS object from VLF. During validation, EKYXC00X found unexpected values in the DPRNAME or DPRTOKEN fields located in the EKYTRANS object.

dpr2 and *dprto2* are the expected DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual DPRNAME

and DPRTOKEN located in the EKYTRANS object read from VLF.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether software other than IMS DPROF software erroneously created VLF objects in the VLF class reserved for IMS DPROF. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXC00X

**EKYXC03E UNEXPECTED DPROF LEVEL IN VLF COPY OF //EKYTRANS OBJECT
LEVEL=DPRLV**

Explanation: Combining IMS DPROF modules of different software levels for the same IMS DPROF system can cause this error. Module EKYXC00X read the EKYTRANS object from VLF. During validation, EKYXC00X found an unexpected value in that field of the EKYTRANS object containing the IMS DPROF software level of the IMS DPROF module that created EKYTRANS object.

dprlv is the IMS DPROF software level of the IMS DPROF module that created the EKYTRANS object. This software level is not compatible with the software level of EKYXC00X. The software level of EKYXC00X is in the CSECT SAVEID of module EKYXC00X in the dump.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: If the installation does not erroneously combine use of modules of incompatible IMS DPROF software levels, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXC00X

**EKYXC04E LENGTH IN MTRSIZE OF //EKYTRANS OBJECT NOT EQUAL TO SIZE OF VLF OBJECT
MTRSIZE=MTRSIZE, VLF OBJECT SIZE=VLFOBJS**

Explanation: Using software other than IMS DPROF software to store VLF objects in a VLF class reserved for IMS DPROF can cause this error. Module EKYXC00X read the EKYTRANS object from VLF. During validation, EKYXC00X found that the size of the VLF object size does not match the size of the MTRSIZE field located in the EKYTRANS object.

vlfoajs is the expected size *mtrsize* is the actual size located in the EKYTRANS object read from VLF.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether software other than IMS DPROF software erroneously created VLF objects in the VLF class reserved for IMS DPROF. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXC00X

**EKYXC05E INVALID CALL FUNCTION FOR
EKYXC00X**

Explanation: This is an internal IMS DPROF error. Module EKYXC00X was called by other IMS DPROF modules using an invalid call function.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXC00X

**EKYXC06E READ CALL ISSUED BEFORE AN
ALLOC CALL**

Explanation: This is an internal IMS DPROF error. Module EKYXC00X was called by other IMS DPROF module to read an EKYTRANS object, however the required alloc call was not issued before.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXC00X

**EKYXC10E INTERNAL ERROR: UNEXPECTED
EKYTRANS CONTROL STATEMENT**

Explanation: This is an internal IMS DPROF error. The IMS DPROF parser has accepted a control statement on the EKYTRANS file, which EKYXC10X was not prepared to handle.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXC10X

**EKYXC11E INTERNAL ERROR: UNEXPECTED
OPERAND IN DB CONTROL
STATEMENT OF EKYTRANS**

Explanation: This is an internal IMS DPROP error. The IMS DPROP parser has accepted an operand of the DB control statement in the EKYTRANS file, which EKYXC10X was not prepared to handle.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXC10X

**EKYXC13E ONE OR MORE ERRORS IN
//EKYTRANS INPUT RECORDS**

Explanation: The control statements in the //EKYTRANS data set have one or more errors. Refer to previously issued messages for a detailed description of the errors.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Check for other messages for further information about the problem. Correct it if possible and resubmit the job. If the problem cannot be identified and fixed, contact IBM Software Support for assistance.

Module: EKYXC10X

**EKYXC14E //EKYTRANS DOES NOT CONTAIN ANY
INPUT RECORDS**

Explanation: The EKYTRANS data set is empty.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Correct the input in the EKYTRANS data set and resubmit the job. If the problem cannot be identified and fixed, contact IBM Software Support for assistance.

Module: EKYXC10X

**EKYXC15E //EKYTRANS DOES NOT CONTAIN ANY
CONTROL STATEMENT**

Explanation: The EKYTRANS data set does not contain any valid control statement.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Correct the input in the EKYTRANS data set and resubmit the job. If the problem cannot be

identified and fixed, contact IBM Software Support for assistance.

Module: EKYXC10X

**EKYXC16E ERRORS WHILE READING
//EKYTRANS INPUT RECORDS
00031229**

Explanation: IMS DPROP was unable to read the EKYTRANS data set. This can be because of invalid record format or data set organization.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Ensure that the format of the EKYTRANS data set is correct and resubmit the job. If the problem cannot be identified and fixed, contact IBM Software Support for assistance.

Module: EKYXC10X

EKYXC20E NAME OF PRSTREAM IS NOT UNIQUE

Explanation: All PRSTREAMs, within the transmission control file should have unique names. However, the specified EKYTRANS file contains multiple PRSTREAMs with the same name.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Correct the input in the EKYTRANS data set and resubmit the job.

Module: EKYXC20X

**EKYXC21E MULTIPLE DB CONTROL-STATEMENTS
FOR SAME DBDNAME ARE NOT VALID
WITHIN ONE PRSTREAM, THE ERROR
IS FOR FOLLOWING DBDNAME: *DBD***

Explanation: Within one PRSTREAM, the same dbdname can appear only once. However, the EKYTRANS file has multiple same dbdnames specified for one PRSTREAM.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Correct the input in the EKYTRANS data set and resubmit the job.

Module: EKYXC20X

**EKYXC22E A PRSTREAM CONTROL-STATEMENT
MUST APPEAR BEFORE THIS
CONTROL-STATEMENT**

Explanation: The indicated control statement belongs to a PRSTREAM. Therefore, it can only be specified, after a PRSTREAM control statement has been coded.

System action: IMS DPROB issues an abend.

User response: Correct the input in the EKYTRANS data set and resubmit the job.

Module: EKYXC20X

**EKYXC23E MULTIPLE SPECIFICATIONS OF SAME
SEGMENT NAME ARE NOT VALID ON
ONE DB CONTROL STATEMENT THE
ERROR IS FOR FOLLOWING
SEGMENT NAME: SEG**

Explanation: Within one DB control statement, the same segment name can appear only once. However, the specified DB control statement has multiple same segment names specified.

Severity: Error.

System action: IMS DPROB issues an abend.

User response: Correct the input in the EKYTRANS data set and resubmit the job.

Module: EKYXC20X

**EKYXC24E //EKYTRANS MUST CONTAIN EXACTLY
ONE QMANAGER CONTROL
STATEMENT**

Explanation: Within one task, IMS DPROB can connect only to one MQ MANAGER. Therefore, only one QMANAGER control statement per transmission control file is allowed. However, the EKYTRANS file contains multiple QMANAGER control statements.

Severity: Error.

System action: IMS DPROB issues an abend.

User response: Correct the input in the EKYTRANS data set and resubmit the job.

Module: EKYXC20X

**EKYXC25E //EKYTRANS MUST CONTAIN AT
LEAST ONE PRSTREAM CONTROL
STATEMENT**

Explanation: The transmission control file must contain at least one PRSTREAM control statement. However, the EKYTRANS file does not contain any PRSTREAM control statement.

Severity: Error.

System action: IMS DPROB issues an abend.

User response: Correct the input in the EKYTRANS data set and resubmit the job.

Module: EKYXC20X

**EKYXC26E EKYTRANS MUST CONTAIN AT LEAST
ONE DB CONTROL STATEMENT**

Explanation: The transmission control file must contain at least one DB control statement. However, the EKYTRANS file does not contain any DB control statement.

Severity: Error.

System action: IMS DPROB issues an abend.

User response: Correct the input in the EKYTRANS data set and resubmit the job.

Module: EKYXC20X

**EKYXC27E INTERNAL ERROR: UNEXPECTED
EKYTRANS CONTROL STATEMENT**

Explanation: The indicated control statement has not been recognized by IMS DPROB as valid transmission control file statement. Because this should have been detected already by other modules, it is probably an internal IMS DPROB error.

Severity: Error.

System action: IMS DPROB issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXC20X

**EKYXC28E INTERNAL ERROR: UNEXPECTED
OPERAND IN EKYTRANS CONTROL
STATEMENT**

Explanation: The indicated control statement has an operand which is not recognized as valid by IMS DPROB. Because this should have been detected already by other modules, it is probably an internal IMS DPROB error.

Severity: Error.

System action: IMS DPROB issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXC20X

**EKYXC29E INTERNAL ERROR: MISSING OR
UNEXPECTED NUMBER OF OPERAND
VALUES IN EKYTRANS**

Explanation: The indicated control statement does either not have a required operand, or has an unexpected number of operands. Because this should have been detected already by other modules, it is probably an internal IMS DPROB error.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXC20X

**EKYXC30E MULTIPLE "DB ALL"
CONTROL-STATEMENTS ARE NOT
VALID WITHIN ONE PRSTREAM**

Explanation: On one PRSTREAM, it is only allowed to specify one *DB ALL* control statement. However the EKYTRANS file contains multiple *DB ALL* control statements for one PRSTREAM.

Severity: Error.

System action: IMS DPROF issues an abend.

User response: Correct the input in the EKYTRANS data set and resubmit the job.

Module: EKYXC20X

**EKYXC31E VALUE OF FLDSTRT= OPERAND
MUST BE GREATER OR EQUAL TO 1**

Explanation: The FLDSTRT operand specifies the start position of a field within the segment. The first byte of a field is considered to have the start position 1.

Severity: Error.

System action: IMS DPROF issues an abend.

User response: Correct the input in the EKYTRANS data set and resubmit the job.

Module: EKYXC20X

**EKYXC32E VALUE OF FLDLEN= OPERAND MUST
BE GREATER OR EQUAL TO 1**

Explanation: The FLDLEN operand specifies the length of a field in bytes. The minimal length of a field is 1.

Severity: Error.

System action: IMS DPROF issues an abend.

User response: Correct the input in the EKYTRANS data set and resubmit the job.

Module: EKYXC20X

EKYXC33E VALUE OF FORMAT= IS INVALID

Explanation: The expected values for the FORMAT operand are not correctly specified.

Severity: Error.

System action: IMS DPROF issues an abend.

User response: Correct the input in the EKYTRANS data set and resubmit the job.

Module: EKYXC20X

**EKYXC34E VALUE OF LKEY= OR HKEY= IS
INVALID**

Explanation: The expected values for the LKEY or HKEY operand are not coded correctly.

Severity: Error.

System action: IMS DPROF issues an abend.

User response: Correct the input in the EKYTRANS data set and resubmit the job.

Module: EKYXC20X

**EKYXD10E OBJECT TO BE STORED INTO VLF IS
NOT THE EKYTRANS OBJECT START
OF OBJECT=OBJ**

Explanation: This is an internal IMS DPROF error. Module EKYXD10X was called by other IMS DPROF modules to store the EKYTRANS object into VLF. During validation, EKYXD10X found that the area provided by the calling IMS DPROF modules did not contain a valid EKYTRANS object.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXD10X

**EKYXD11E UNEXPECTED DPRNAME/TOKEN IN
EKYTRANS OBJECT, IN OBJECT:
DPRNAME=DPRNAME,
DPRTOKEN=DPRTOKEN EXPECTED:
DPRNAME=DPRNAME,
DPRTOKEN=DPRTOKEN**

Explanation: This is an internal IMS DPROF error. Module EKYXD10X was called by other IMS DPROF modules to store the EKYTRANS object into VLF. During validation, EKYXD10X found unexpected values in the DPRNAME or DPRTOKEN fields located in the EKYTRANS object.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXD10X

**EKYXD12E INCOMPATIBLE DPROP LEVEL IN
EKYTRANS OBJECT, DBD=DBD,
SEG=SEG, LEVEL=DPRLV**

Explanation: This is an internal IMS DPROP error. Module EKYXD10X was called by other IMS DPROP modules to store the EKYTRANS object into VLF. During validation, EKYXD10X found an unexpected value in the LEVEL field located in the EKYTRANS object.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXD10X

**EKYXD14E OBJECT SIZE IN MTRSIZE NOT EQUAL
TO SIZE OF VLF OBJECT
MTRSIZE=MTRSIZE, SIZE OF VLF
OBJECT=VLFOBJE**

Explanation: This is an internal IMS DPROP error. Module EKYXD10X was called by other IMS DPROP modules to store the EKYTRANS object into VLF. During validation, EKYXD10X found that the size of the VLF object size does not match the size of the MTRSIZE field located in the EKYTRANS object.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXD10X

**EKYXD15E UNEXPECTED DSN NAME IN VLF
OBJECT TO BE CREATED EXPECTED
DSN NAME: DSN, DSN NAME WITHIN
OBJECT: DSN**

Explanation: This is an internal IMS DPROP error. Module EKYXD10X was called by other IMS DPROP modules to store the EKYTRANS object into VLF. During validation, EKYXD10X found that the name of the data set within the VLF object does not match the expected data set name.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXD10X

**EKYXD19E UNEXPECTED OBJECT TYPE TO BE
STORED IN VLF**

Explanation: This is an internal IMS DPROP error. Module EKYXD10X was called by other IMS DPROP modules to store an object other than EKYTRANS into VLF.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXD10X

**EKYXD20E INTERNAL ERROR: SVR2DDNM IS
INVALID**

Explanation: This is an internal IMS DPROP error. Module EKYXD20X was called by other IMS DPROP modules to read an object, however the specified is not one of the expected ones.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXD20X

EKYXD21E OPEN FAILED FOR //DDN

Explanation: EKYXD20X could not open the specified ddname. Refer to MVS and/or DFP messages for a more detailed explanation.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Ensure that the specified ddname references a data set with the correct attributes.

System programmer response: Determine if the error was caused by problems in the installation environment or user input. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXD20X

**EKYXD80E INTERNAL ERROR: SVR2DDNM IS
INVALID**

Explanation: This is an internal IMS DPROP error. Module EKYXD80X was called by other IMS DPROP modules to remove an VLF object, however the passed ddname is not one of the expected ones.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXD80X

**EKYXD91E UNEXPECTED VLF-RELATED ERROR
AFTER COFPURGE' VLF
CLASS=CLASS VLF RETURN CODE=C
VLF REASON CODE=RSN**

Explanation: Module EKYXD91X issued a VLF COFPURGE macro to delete all VLF objects of the VLF class reserved for the IMS DPROF system. COFPURGE returned a nonzero return code. For an explanation of the VLF return codes, refer to OS/390 MVS Application Development Macro Reference.

The message shows the VLF class name, the VLF return code and the VLF reason code in hexadecimal format.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Call IBM Software Support for assistance. Save the VLF return code and reason codes.

Problem determination: Save the dump.

Module: EKYXD91X

**EKYX100E INVALID CALL FUNCTION FOR
EKYX100X.**

Explanation: This is an internal IMS DPROF error. Module EKYX100X was called by another IMS DPROF module with an invalid call function.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX100X

**EKYX101E //EKYSTATF DD STATEMENT MISSING,
DUMMY, OR EMPTY DATA SET**

Explanation: One of the following conditions was encountered:

- The //EKYSTATF DD statement was missing
- The //EKYSTATF DD statement was defined as DUMMY
- The //EKYSTATF data set was empty

Severity: Error.

System action: IMS DPROF issues an abend.

User response:

- If the //EKYSTATF DD statement was missing or defined as DUMMY, correct the JCL and provide a //EKYSTATF DD statement describing the IMS DPROF status file.
- If the //EKYSTATF data set was empty, determine why it was empty. If appropriate, execute the Status Change utility specifying INIT DPROF or INIT STATF.

Problem determination: Save the dump.

Module: EKYX100X

**EKYX102E INVALID CONTENT IN //EKYSTATF
RECORD START OF RECORD=rec**

Explanation: Not using the SCU to create or update the IMS DPROF Status File record can cause this error. During validation of the status file record, module EKYX100X found the content of the record was invalid. *rec* displays the first bytes of the record that was read. The status file record should only be created and updated using the Status Change utility.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether the status file record was created or updated using the Status Change utility. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX100X

**EKYX103E STATUS FIELD IN //EKYSTATF
RECORD HAS AN INVALID VALUE
START OF RECORD=rec**

Explanation: Not using the SCU to create or update the IMS DPROF Status File record can cause this error. During validation of the status file record, module EKYX100X found an invalid value in the field containing the STATUS of the IMS DPROF system.

rec is the start of the status file record; this includes the field containing the STATUS.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether the status file record was created or updated using the Status Change utility. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX100X

EKYZ104E ERROR WHILE ATTEMPTING TO READ THE STATUS FILE

Explanation: Module EKYZ100X encountered an error, for example an I/O error, while reading the status file record.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Refer to messages, such as EKYZ501E, written before this message for more information about the problem.

Module: EKYZ100X

EKYZ105E DPROP NAME IN STATUS FILE RECORD NOT FOUND IN EKYG000X LOAD MODULE, DPROP NAME=*dpr*

Explanation: During validation of the status file record, module EKYZ100X found that the name of the IMS DPROP system in the status file record did not match the name of any IMS DPROP system specified during DPROPGEN and recorded in load module EKYG000X.

dpr is the name of the IMS DPROP system contained in the status file record.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Check whether the:

- //EKYRESLB DD statement and the //STEPLIB or //JOBLIB DD statements provide access to the library containing the correct EKYG000X module.
- //EKYSTATF DD statement provides access to the correct and current status file of the IMS DPROP system.
- Status file was created or updated exclusively using the Status Change utility.

Problem determination: Save the dump.

Module: EKYZ100X

EKYZ106E ERROR WHILE ATTEMPTING TO RETRIEVE DSN OF //EKYSTATF

Explanation: IMS DPROP tried to retrieve the data set name of the status file using MVS service functions; however, those service functions were not able to retrieve the data set name.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: See if any other messages describe the reason for the failure. Save the dump. Save the JES log.

Module: EKYZ100X

EKYZ107E DSN OF //EKYSTATF DOES NOT MATCH DPROPGEN SPECIFICATIONS DPROP NAME=*dpr* EXPECTED DSN=*dsn*

Explanation: During validation of the status file record, module EKYZ100X found that the data set name of the status file allocated through the //EKYSTATF DD statement did not match the data set name specified during DPROPGEN for the IMS DPROP system used for the current program.

dpr is the name of the IMS DPROP system used for the current program. *dsn* is the correct data set name of the status file for that IMS DPROP system.

During DPROPGEN, the system administrator specifies a different status file data set name for each IMS DPROP system. These data set names are recorded in load module EKYG000X.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Check whether the:

- //EKYRESLB DD statement and the //STEPLIB or //JOBLIB DD statements provide access to the library containing the correct EKYG000X module.
- //EKYSTATF DD statement provides access to the correct and current status file for the IMS DPROP system.
- Status file was created or updated exclusively using the Status Change utility.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYZ100X

EKYZ108E DPRNAME/TOKEN IN DPRMASTER TABLE AND //EKYSTATF DO NOT MATCH DPRMASTER: DPRNAME=*dpr* DPRTOKEN=*dprto* //EKYSTATF: DPRNAME=*dpr* DPRTOKEN=*dprto*

Explanation: IMS DPROP checked that the DPRMASTER table and the status file used for the current program belong to the same IMS DPROP system. During the check, IMS DPROP found that the DPRNAME (IMS DPROP system name) and/or DPRTOKEN (IMS DPROP system token) stored in the DPRMASTER row and in the status file did not agree. The current program may be using the status file of one IMS DPROP system and the DPRMASTER table of another IMS DPROP system. This is invalid.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Check that:

- The correct status file is allocated using the //EKYSTATF DD statement.
- The DB2 plan provides access to the correct DPRMASTER row.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYX100X

EKYX109E SQL ERROR ACCESSING DPRMASTER TABLE, OPERATION=SELECT

Explanation: IMS DPROP encountered an SQL error while reading the DPRMASTER row. Detailed information about the SQL error is provided in message EKYZ360E.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Check the information provided in message EKYZ360E.

Module: EKYX100X

EKYX110E ENTRY POINT TO READ DPRMASTER TABLE NOT FOUND IN EKYG000X LOAD MODULE, DPROP NAME=dpr

Explanation: IMS DPROP tried to locate in load module EKYG000X the entry point of the IMS DPROP module that issues SQL SELECT statements to read the DPRMASTER row of the IMS DPROP system identified in *dpr*. IMS DPROP could not find the entry point of that module.

One possible reason for this problem is that EKYG000X was not correctly link-edited, so some external references could not be resolved by the linkage editor.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If EKYG000X was correctly link-edited, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX100X

EKYX111E ENTRY POINT TO READ DPRCBT TABLE NOT FOUND IN EKYG000X LOAD MODULE, DPROP NAME=dpr

Explanation: IMS DPROP initialization tried to locate in load module EKYG000X the entry point of the IMS DPROP module that issues SQL SELECT statements to read DPRCBT rows of the IMS DPROP system identified in *dpr*. IMS DPROP could not find the entry point of that module.

One possible reason for this problem is that EKYG000X was not correctly link-edited and, therefore, some external references could not be resolved by the linkage editor.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If EKYG000X was correctly link-edited, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX100X

EKYX112E INCOMPATIBLE DPROP LEVEL IN //EKYSTATF RECORD DPROP LEVEL=dprlv

Explanation: Combining IMS DPROP modules of different software levels for the same IMS DPROP system can cause this error. During validation of the status file record, module EKYX100X found that the record contained an unexpected value in the field containing the software level of the IMS DPROP module that created the record.

dprlv is the system level of the IMS DPROP module that created the status file record. This level is incompatible with the level of EKYX100X. (The software level of EKYX100X is in the CSECT SAVEID of module EKYX100X in the dump.)

The status file record should only be created and updated using the Status Change utility.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If you used IMS DPROP modules of compatible software levels, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX100X

EKYX113E DPROP SYSTEM HAS NOT BEEN GENERATED FOR SYNCHRONOUS PROPAGATION DPROP NAME=dpr

Explanation: The IMS DPROP system named in *dpr* was called to perform synchronous data propagation. During initialization, module EKYX100X found that this IMS DPROP system was not generated during DPROPGEN to perform synchronous data propagation.

During DPROPGEN, the system administrator specifies whether each IMS DPROP system is to perform synchronous or asynchronous propagation. These specifications are recorded in load module EKYG000X.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Check that the DB2 plan you used provides access to the IMS DPROP directory tables of the correct IMS DPROP system.

Problem determination: Save the dump.

Module: EKYX100X

EKYX114E DPROP SYSTEM HAS NOT BEEN GENERATED FOR ASYNCHRONOUS PROPAGATION DPROP NAME=*dpr*

Explanation: The IMS DPROP system named in *dpr* was called to perform asynchronous data propagation. Module EKYX100X found that the named IMS DPROP system was not generated during DPROGEN to perform asynchronous data propagation.

During DPROGEN, the system administrator specifies whether each IMS DPROP system is to perform synchronous or asynchronous propagation. These specifications are recorded in load module EKYG000X.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Check that the DB2 plan you used provides access to the IMS DPROP directory tables of the correct IMS DPROP system.

Problem determination: Save the dump.

Module: EKYX100X

EKYX115E DPROP NAME STORED IN DPRMASTER ROW NOT FOUND IN EKYG000X LOAD MODULE, DPROP NAME=*dpr*

Explanation: Module EKYX100X was called to read the DPRMASTER row. During validation, EKYX100X found that the IMS DPROP system in the DPRMASTER row didn't match any IMS DPROP system specified during DPROGEN and recorded in load module EKYG000X.

dpr is the name of the IMS DPROP system contained in the DPRMASTER row.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Check whether the:

- //EKYRESLB DD statement and the //STEPLIB or //JOBLIB DD statement provide access to the library containing the correct EKYG000X module.
- DB2 plan you used provides access to the correct DPRMASTER table.
- DPRMASTER table row is created and updated exclusively using IMS DPROP functions.

Problem determination: Save the dump.

Module: EKYX100X

EKYX116I DPROP ACCESSING THE DPRMASTER ROW OF DPROP SYSTEM=*dpr*

Explanation: *dpr* is the IMS DPROP system being used in the current job step. This message is sometimes useful for problem determination, especially when you are not sure which IMS DPROP system was used in a particular job step.

dpr comes from the DPRNAME column in the DPRMASTER row in the IMS DPROP directory.

Severity: Information.

System action: Processing continues.

User response: Check whether IMS DPROP is accessing the DPRMASTER row and IMS DPROP directory of the correct IMS DPROP system.

The SQL SELECT used in module EKYX120X to access the DPRMASTER row provides an unqualified table name. When binding the DB2 plan or DB2 package, you determine which DPRMASTER table will be accessed. If you determine from this message that IMS DPROP was accessing the DPRMASTER table of the wrong IMS DPROP system, you should review which DB2 plan was being used by the current application and how the DB2 plan and the DBRM of EKYX120X were bound.

Problem determination: Save the message.

Module: EKYX100X

EKYX117I DPROP ACCESSING THE STATUS FILE OF DPROP SYSTEM=*dpr*

Explanation: *dpr* is the IMS DPROP system being used in the current job step. This message is sometimes useful for problem determination, especially when you are not sure which IMS DPROP system was used in a particular job step.

dpr comes from the status file record through JCL to the current job step.

Severity: Information.

System action: Processing continues.

User response: Check whether IMS DPROP is accessing the status file of the correct IMS DPROP system.

Problem determination: Save the message.

Module: EKYX100X

EKYX121E //EKYMQST DD STATEMENT MISSING, DUMMY, OR EMPTY DATA SET

Explanation: One of the following conditions was encountered:

- The //EKYMQST DD statement was missing
- The //EKYMQST DD statement was defined as DUMMY

- The //EKYMQST data set was empty

Severity: Error.

System action: IMS DPROT issues an abend.

User response:

- If the //EKYMQST DD statement was missing or defined as DUMMY, correct the JCL and provide a //EKYMQST DD statement describing the IMS DPROT status file.
- If the //EKYMQST data set was empty, determine why it was empty. If appropriate, execute the Capture System utility to reinstall the //EKYMQST file.

Problem determination: Save the dump.

Module: EKYX100X

**EKYX122E INVALID CONTENT IN //EKYMQST
RECORD START OF RECORD=REC**

Explanation: Not using the CUT to create or update the IMS DPROT //EKYMQST File record can cause this error. During validation of the status file record, module EKYX100X found the content of the record was invalid. *rec* displays the first bytes of the record that was read. The status file record should only be created and updated using the Capture System utility.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether the status file record was created or updated using the Capture System utility. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX100X

**EKYX123E STATUS FIELD IN //EKYMQST RECORD
HAS AN INVALID VALUE START OF
RECORD=REC**

Explanation: Not using the CUT to create or update the IMS DPROT //EKYMQST File record can cause this error. During validation of the status file record, module EKYX100X found an invalid value in the field containing the STATUS of the IMS DPROT system.

rec is the start of the status file record; this includes the field containing the STATUS.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether the status file record was created or updated using the Capture System utility. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX100X

**EKYX124E ERROR WHILE ATTEMPTING TO READ
THE //EKYMQST FILE**

Explanation: Module EKYX100X encountered an error, for example an I/O error, while reading the status file record.

Severity: Error.

System action: IMS DPROT issues an abend.

User response: Refer to messages, such as EKYZ501E, written before this message for more information about the problem.

Module: EKYX100X

**EKYX125E DPROT NAME IN //EKYMQST FILE
RECORD NOT FOUND IN EKYG000X
LOAD MODULE, DPROT
NAME=DPRNAME**

Explanation: During validation of the status file record, module EKYX100X found that the name of the IMS DPROT system in the status file record did not match the name of any IMS DPROT system specified during DPROTGEN and recorded in load module EKYG000X.

dpr is the name of the IMS DPROT system contained in the status file record.

Severity: Error.

System action: IMS DPROT issues an abend.

User response: Check whether the:

- //EKYRESLB DD statement and the //STEPLIB or //JOBLIB DD statements provide access to the library containing the correct EKYG000X module.
- //EKYMQST DD statement provides access to the correct and current status file of the IMS DPROT system.
- Status file was created or updated exclusively using the Capture System utility.

Problem determination: Save the dump.

Module: EKYX100X

**EKYX126E DSNAME OR MEMBER-NAME OF
//EKYMQST DOES NOT MATCH
DPROTGEN SPECIFICATION, DPROT
NAME=DPRNAME, EXPECTED
NAMES=DSN**

Explanation: During validation of the status file record, module EKYX100X found that the data set name of the status file allocated through the //EKYMQST DD statement did not match the data set name specified during DPROTGEN for the IMS DPROT system used for the current program.

dprname is the name of the IMS DPROT system used for the current program. *dsn* is the correct data set name of the status file for that IMS DPROT system.

During DPROPGEN, the system administrator specifies a different status file data set name for each IMS DPROP system. These data set names are recorded in load module EKYG000X.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Check whether the:

- //EKYRESLB DD statement and the //STEPLIB or //JOBLIB DD statements provide access to the library containing the correct EKYG000X module.
- //EKYMQST DD statement provides access to the correct and current status file for the IMS DPROP system.
- Status file was created or updated exclusively using the Capture System utility.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYX100X

EKYX127E INCOMPATIBLE DPROP LEVEL IN //EKYMQST RECORD DPROP LEVEL=DPRLV During validation, EKYX100X found an unexpected value in the field containing the software level of the module that created the status file record. This error occurs if you combine IMS DPROP modules of incompatible software levels for the same IMS DPROP system. *dprlv* is the software level of the IMS DPROP module that created the status file record. This software level is not compatible with the software level of EKYX100X. The software level of EKYX100X is in the CSECT SAVEID of module EKYX100X in the dump.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If you did not use IMS DPROP modules of incompatible software levels, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX100X

EKYX128E DPROP SYSTEM HAS NOT BEEN GENERATED FOR MQ-BASED CAPTURE DPROP NAME=DPRNAME

Explanation: The EKYMQCAP exit has been invoked by IMS. During initialization of the IMS DPROP system, module EKYX100X detected that the current DPROP system has not been generated for MQ capture.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If you want to use the MQ based capture, generate the DPROP system as appropriate.

Module: EKYX100X

EKYX129E ALLOCATION OF //EKYMQST FAILED

Explanation: Because the //EKYMQST dd statement was missing in the jobstep, DPROP tried the dynamic allocation of the //EKYMQST file. However, the dynalloc failed.

System action: IMS DPROP issues an abend.

User response: Refer to other issued message to determine exactly the cause of the dynalloc failure. Ensure that the //EKYMQST file exist and is accessible.

Module: EKYX100X

EKYX130E INTERNAL ERROR: YCVT CONTROL BLOCK CANNOT BE FOUND ANY MORE

Explanation: This is an internal error. An IMS DPROP module can no longer find a YCVT control block that was previously created in the ECSA.

Severity: Error.

System action: Abend

System programmer response: Check that the SVC number specified during installation on the panel EKYGPZ8E matches the SVC number defined for use by IMS DPROP in the IEASVCxx member of the SYS1.PARMLIB. If the numbers match, contact IBM Software Support for assistance.

Problem determination: Save the dump

Module: EKYX130X

EKYX131E SSID=*ssid* HAS NOT BEEN DEFINED AS SUBSYSTEM TO MVS

Explanation: The subsystem ID (SSID) displayed in the message is the subsystem ID reserved for IMS DPROP use. This subsystem ID was not defined to MVS as a subsystem ID.

Severity: Error.

System action: Abend.

System programmer response: Request that your MVS System Administrators define the displayed SSID to MVS in the IEFSSNxx member of PARMLIB. This specification becomes active the next time the system is started or when an IPL of the system takes place.

Problem determination: Save the dump.

Module: EKYX130X

**EKYL132E INTERNAL ERROR: INVALID CALL
FUNCTION FOR EKYX130X.**

Explanation: This is an internal error. An IMS DPROP module is calling the EKYX130X module with an invalid call function.

Severity: Error.

System action: Abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX130X

**EKYL137E UNEXPECTED EYE-CATCHER IN
OS/VS SSCT CONTROL BLOCK START
OF SSCT=ssct**

Explanation: This is an unexpected error. While searching the chain of OS/VS SSCT control blocks, an IMS DPROP module found an SSCT with an unexpected eye-catcher.

Severity: Error.

System action: Abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX130X

**EKYL138E UNEXPECTED EYE-CATCHER IN
DPROP YCVT CONTROL BLOCK
START OF YCVT=ycvt**

Explanation: This is an unexpected error. While searching the chain of IMS DPROP extensions to the OS/VS SSCT control blocks, an IMS DPROP module found an IMS DPROP YCVT control block with an unexpected eye-catcher.

Severity: Error.

System action: Abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX130X

**EKYL210E DPROP NAME=dpr NOT FOUND IN
EKYG000X LOAD MODULE**

Explanation: Module EKYX210X could not locate the identified IMS DPROP system in load module EKYG000X. EKYG000X is created during DPROGEN and contains the names of all valid IMS DPROP systems.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Check whether the //EKYRESLB DD statement provides access to the library containing the correct EKYG000X module.

Problem determination: Save the dump.

Module: EKYX210X

**EKYL211E ENTRY POINT TO READ DPRMASTER
TABLE NOT FOUND IN EKYG000X
LOAD MODULE, DPROP NAME=dpr**

Explanation: Module EKYX210X could not locate the CSECT that accesses the DPRMASTER table of the identified IMS DPROP system in load module EKYG000X.

One possible reason for this problem is that load module EKYG000X was not correctly link-edited, so some external references were not resolved by the linkage editor.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If EKYG000X was correctly link-edited, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX210X

**EKYL212E ENTRY POINT TO READ DPRCBT
TABLE NOT FOUND IN EKYG000X
LOAD MODULE, DPROP NAME=dpr**

Explanation: Module EKYX210X could not locate the CSECT that accesses the DPRCBT table of the identified IMS DPROP system in load module EKYG000X.

One possible reason for this problem is that load module EKYG000X was not correctly link-edited and, therefore, some external references were not resolved by the linkage editor.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If EKYG000X was correctly link-edited, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX210X

**EKYY260E UNEXPECTED VLF-RELATED ERROR
AFTER COFPURGE VLF CLASS=*class*,
VLF RETURN CODE=*rc*, VLF REASON
CODE=*rsn***

Explanation: Module EKYY260X issued a VLF COFPURGE macro to delete all VLF objects of the VLF class reserved for the IMS DPROP system. COFPURGE returned a nonzero return code. For an explanation of the VLF return codes, refer to OS/390 MVS Application Development Macro Reference.

The message shows the VLF class name, the VLF return code and the VLF reason code in hexadecimal format.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance. Save the VLF return code and reason codes.

Problem determination: Save the dump.

Module: EKYY260X

**EKYY285E OBJECT TO BE STORED INTO VLF IS
NOT THE HUP PRCB OF
TABLEQUAL=*qualifier*
TABLENAME=*tablename* START OF
OBJECT=*obj***

Explanation: This is an internal IMS DPROP error. Module EKYY290X was called by other IMS DPROP modules to store the HUP PRCB of the specified qualifier and table type into VLF. During validation, EKYY290X found that the area provided by the calling IMS DPROP modules did not contain a valid HUP PRCB.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYY290X

**EKYY286E UNEXPECTED DPRNAME/TOKEN IN
HUP PRCB TABLEQUAL=*qualifier*
TABLENAME=*tablename* IN HUP PRCB:
DPRNAME=*dpr* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dpr*
DPRTOKEN=*dprto***

Explanation: This is an internal IMS DPROP error. Module EKYY290X was called by other IMS DPROP modules to store the HUP PRCB of the specified qualifier and table type into VLF. During validation, EKYY290X found that the HUP PRCB provided by the calling modules did not contain the expected values in

DPRNAME and/or DPRTOKEN.

Severity: Error.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYY290X

**EKYY287E INCOMPATIBLE DPROP LEVEL IN HUP
PRCB TABLEQUAL=*qualifier*
TABLENAME=*tablename* LEVEL=*dprlv***

Explanation: Combining IMS DPROP modules of different software levels in the same job step can cause this error. Module EKYY290X was called by other IMS DPROP modules to store the HUP PRCB of the specified qualifier and table type into VLF. During validation, EKYY290X found that the HUP PRCB provided by the calling IMS DPROP modules contained the IMS DPROP software level shown in the message. This software level does not match the level of module EKYY290X. The software level of EKYY290X is in the CSECT SAVEID of module EKYY290X in the dump.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If you have not mixed IMS DPROP modules of different software levels in the same job step, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYY290X

**EKYY288E UNEXPECTED TABLEQUAL OR
TABLENAME IN HUP PRCB IN HUP
PRCB: TABLEQUAL=*qualifier*
TABLENAME=*tablename* EXPECTED :
TABLEQUAL=*qualifier*
TABLENAME=*tablename***

Explanation: This is an internal IMS DPROP error. Module EKYY290X was called by other IMS DPROP modules to store the HUP PRCB of the specified qualifier and table type into VLF. During validation, EKYY290X found that the HUP PRCB provided by the calling IMS DPROP modules did not contain the expected qualifier and table name.

Severity: Error.

System programmer response: Call IBM Software Support for assistance.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYY290X

EKYL289E **PRCB SIZE IN HUP PRCB NOT EQUAL TO SIZE OF VLF OBJECT**
TABLEQUAL=qualifier
TABLENAME=tablename
HRHPRCSZ=prcbs SIZE OF VLF OBJECT=vlfobj

Explanation: This is an internal IMS DPROP error. Module EKYX290X was called by other IMS DPROP modules to store the HUP PRCB of the specified qualifier and table type into VLF. During validation, EKYX290X found that the HUP PRCB size provided by the caller in the HRHPRCBS field of the HUP PRCB did not match the size of the VLF object.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX290X

EKYL290E **OBJECT TO BE STORED INTO VLF IS NOT THE RUP PRCB OF DBD=dbd SEG=segment START OF OBJECT=obj**

Explanation: This is an internal IMS DPROP error. Module EKYX290X was called by other IMS DPROP modules to store the PRCB of the specified DBD and segment type into VLF. During validation, EKYX290X found that the area provided by the calling IMS DPROP modules did not contain a valid PRCB.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX290X

EKYL291E **UNEXPECTED DPRNAME/TOKEN IN RUP PRCB DBD=dbd SEG=segment IN PRCB : DPRNAME=dpr DPRTOKEN=dprto EXPECTED: DPRNAME=dpr DPRTOKEN=dprto**

Explanation: This is an internal IMS DPROP error. Module EKYX290X was called by other IMS DPROP modules to store the PRCB of the specified DBD and segment type into VLF. During validation, EKYX290X found that the PRCB provided by the calling modules did not contain the expected values in DPRNAME and/or DPRTOKEN.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX290X

EKYL292E **INCOMPATIBLE DPROP LEVEL IN RUP PRCB DBD=dbd SEG=segment LEVEL=dprlv**

Explanation: Combining IMS DPROP modules of different software levels in the same job step can cause this error. Module EKYX290X was called by other IMS DPROP modules to store the PRCB of the specified DBD and segment type into VLF. During validation, EKYX290X found that the PRCB provided by the calling IMS DPROP modules contained the IMS DPROP software level shown in the message. This software level does not match the level of module EKYX290X. The software level of EKYX290X is in the CSECT SAVEID of module EKYX290X in the dump.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If you have not mixed IMS DPROP modules of different software levels in the same job step, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX290X

EKYL293E **UNEXPECTED DBDNAME OR SEGMENT NAME IN RUP PRCB IN PRCB : DBDNAME=dbd SEGNAME=segment EXPECTED: DBDNAME=dbd SEGNAME=segment**

Explanation: This is an internal IMS DPROP error. Module EKYX290X was called by other IMS DPROP modules to store the PRCB of the specified DBD and segment type into VLF. During validation, EKYX290X found that the PRCB provided by the calling IMS DPROP modules did not contain the expected DBDNAME and SEGNAME.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX290X

EKYL294E RUP PRCB SIZE IN RRHPRCBS NOT
EQUAL TO SIZE OF VLF OBJECT
DBDNAME=*dbd* SEGNAME=*segment*
RRHPRCBS=*prcbs* SIZE OF VLF
OBJECT=*vlfbjjs*

Explanation: This is an internal IMS DPROP error. Module EKYX290X was called by other IMS DPROP modules to store the PRCB of the specified DBD and segment type into VLF. During validation, EKYX290X found that the PRCB size provided by the caller in the RRHPRCBS field of the PRCB did not match the size of the VLF object.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX290X

EKYL295E INVALID LENGTH IN SVRVTLSL FOR A
PRCB

Explanation: This is an internal IMS DPROP error. Module EKYX290X was called by other IMS DPROP modules to store a PRCB into VLF. During validation, EKYX290X found that the PRCB size provided by the caller in the SVRVTLSL field was invalid.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX290X

EKYL296E INVALID LENGTH IN SVRVTLSL FOR
RMT

Explanation: This is an internal IMS DPROP error. Module EKYX290X was called by other IMS DPROP modules to store the master table row into VLF. The RMT is the control block describing the master table (DPRMASTER) row. During validation, EKYX290X found that the size of the RMT provided by the caller in the SVRVTLSL field was invalid.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX290X

EKYL297E OBJECT TO BE STORED INTO VLF IS
NOT THE DPRMASTER ROW START
OF OBJECT=*obj*

Explanation: This is an internal IMS DPROP error. Module EKYX290X was called by other IMS DPROP modules to store the DPRMASTER row into VLF. During validation, EKYX290X found that the area provided by the calling IMS DPROP modules did not contain a valid DPRMASTER row.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX290X

EKYL298E UNEXPECTED DPRNAME/TOKEN IN
DPRMASTER ROW IN ROW :
DPRNAME=*dpr* DPRTOKEN=*dprto*
EXPECTED : DPRNAME=*dpr*
DPRTOKEN=*dprto*

Explanation: This is an internal IMS DPROP error. Module EKYX290X was called by other IMS DPROP modules to store the DPRMASTER row into VLF. During validation, EKYX290X found that the DPRMASTER row provided by the calling IMS DPROP modules did not contain the expected DPRNAME and/or DPRTOKEN.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX290X

EKYL299E UNEXPECTED OBJECT TYPE TO BE
STORED IN VLF

Explanation: This is an internal IMS DPROP error. Module EKYX290X was called by other IMS DPROP modules to store an object into VLF. During validation, EKYX290X found that the calling IMS DPROP modules did not provide a known or valid VLF object type.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX290X

EKYL300E DPROP CIA INITIALIZATION NOT DONE

Explanation: This is an internal IMS DPROP error. An IMS DPROP module called the internal IMS DPROP CIA (control information access) component even though the CIA was not initialized.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: If possible, activate the IMS DPROP trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output. Save the dump.

Module: EKYX300X

EKYL301E INTERNAL ERROR: INVALID CALL FUNCTION

Explanation: This is an internal IMS DPROP error. Module EKYX300X was called by other IMS DPROP modules with an invalid call function.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX300X

EKYL302E INVALID TYPE OF VOLO OBJECT

Explanation: This is an internal IMS DPROP error. Module EKYX300X was called by other IMS DPROP modules to perform VLF-related functions for IMS DPROP VOLO objects. EKYX300X found that the VOLO object type identified by the calling IMS DPROP modules was invalid.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX300X

EKYL350E INVALID CALL FUNCTION

Explanation: This is an internal IMS DPROP error. Module EKYX300X was called by other IMS DPROP modules with an invalid call function.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX350X

EKYL351E INVALID LENGTH IN SVRVTLSL

Explanation: This is an internal IMS DPROP error. Module EKYX350X was called by other IMS DPROP modules to perform VLF-related functions for an IMS DPROP VOLO object. During validation, EKYX350X found that the VLF object size provided by the caller in the SVRVTLSL field was invalid.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX350X

**EKYL352E OBJECT RETRIEVED FROM VLF IS NOT A VOLO OBJECT
NAME=objn START OF OBJECT=obj**

Explanation: Module EKYX350X was called by other IMS DPROP modules to read an IMS DPROP VOLO object from VLF. During validation, EKYX350X found that the object read from VLF did not look like a VOLO object.

obj contains the first bytes of the object retrieved from VLF. *objn* is the name of the VOLO object.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Determine whether software other than IMS DPROP software erroneously created VLF objects in the VLF class reserved for IMS DPROP. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX350X

**EKYL353E UNEXPECTED DPRNAME/TOKEN IN VLF COPY OF VOLO OBJECT
NAME=objn READ : DPRNAME=dpr1
DPRTOKEN=dprto1 EXPECTED :
DPRNAME=dpr2 DPRTOKEN=dprto2**

Explanation: Module EKYX350X was called by other IMS DPROP modules to read an IMS DPROP VOLO object from VLF. During validation, EKYX350X found unexpected values in the DPRNAME or DPRTOKEN fields in the VOLO object.

objn is the name of the VOLO object. *dpr1* and *dprto1*

are the DPRNAME and DPRTOKEN located in the VOLO object. *dpr2* and *dprto2* are the expected DPRNAME and DPRTOKEN.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether software other than IMS DPROF software erroneously created VLF objects in the VLF class reserved for IMS DPROF. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX350X

EKYX354E UNEXPECTED DPROF LEVEL IN VLF-COPY OF VOLO OBJECT OBJECT NAME=*objn* START OF OBJECT=*obj*

Explanation: Module EKYX350X was called by other IMS DPROF modules to read an IMS DPROF VOLO object from VLF. During validation, EKYX350X found an unexpected value. This value was in the field of the VOLO object containing the IMS DPROF software level of the IMS DPROF module that created the VOLO object. This type of error can happen if the installation combines modules of different, incompatible IMS DPROF software levels for the same IMS DPROF system.

objn is the name of the VOLO object. *obj* is the start of the VOLO object, which includes the software level of the module that created the VOLO object. This software level is not compatible with the software level of EKYX350X. You can find the software level of EKYX350X in the CSECT SAVEID of module EKYX350X in the dump.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: If the installation did not erroneously use modules of incompatible IMS DPROF software levels, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX350X

EKYX355E UNEXPECTED OBJECT NAME IN VLF COPY OF VOLO OBJECT OBJECT NAME=*objn* START OF OBJECT=*obj*

Explanation: Module EKYX350X was called by other IMS DPROF modules to read an IMS DPROF VOLO object from VLF. During validation, EKYX350X found that the VOLO object contained an unexpected object name.

objn is the correct name of the VOLO object. *obj* is the start of the VOLO object, which includes the field

containing the wrong object name.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether software other than IMS DPROF software erroneously created VLF objects in the VLF class reserved for IMS DPROF. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX350X

EKYX356E UNEXPECTED VLF OBJECT SIZE FOR VOLO OBJECT OBJECT NAME=*objn* VLF OBJECT SIZE=*vlfobjs* EXPECTED SIZE=*size*

Explanation: Module EKYX350X was called by other IMS DPROF modules to read an IMS DPROF VOLO object from VLF. During validation, EKYX350X found that the VOLO object had an unexpected object size.

objn is the name of the VOLO object. *vlfobjs* and *size* are the actual VLF object size and the expected VLF object size.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether software other than IMS DPROF software erroneously created VLF objects in the VLF class reserved for IMS DPROF. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX350X

EKYX357E INVALID NAME OF VOLO OBJECT

Explanation: This is an internal IMS DPROF error. Module EKYX350X was called by other IMS DPROF modules to perform VLF-related functions for an IMS DPROF VOLO object. During validation, EKYX350X found that the name of the VOLO object provided by the calling modules was invalid.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX350X

EKYL362E INVALID EYE CATCHER IN VOLO OBJECT

Explanation: This is an internal IMS DPROP error. Module EKYX350X was called by other IMS DPROP modules to create an IMS DPROP VOLO object. During validation, EKYX350X found that the VOLO object provided by the calling IMS DPROP modules contained an invalid eye catcher.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX350X

EKYL363E INVALID DPRNAME OR DPRTOKEN

Explanation: This is an internal IMS DPROP error. Module EKYX350X was called by other IMS DPROP modules to create an IMS DPROP VOLO object. During validation, EKYX350X found that the VOLO object provided by the calling modules contained an invalid IMS DPROP system name or system token.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX350X

EKYL364E INVALID DPROP LEVEL IN VOLO OBJECT

Explanation: Combining IMS DPROP modules of different software levels in the same job step can cause this error. Module EKYX350X was called by other IMS DPROP modules to create an IMS DPROP VOLO object. During validation, EKYX350X found that the VOLO object provided by the calling modules contained an unexpected IMS DPROP software level. This software level did not match the software level of module EKYX350X.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If the installation has not erroneously mixed IMS DPROP modules of different software levels in the same job step, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX350X

EKYL365E INVALID NAME IN VOLO OBJECT

Explanation: This is an internal IMS DPROP error. Module EKYX350X was called by other IMS DPROP modules to create an IMS DPROP VOLO object. During validation, EKYX350X found that the VOLO object provided by the calling modules contained an invalid VLF object name.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX350X

EKYL400E DPROP CIA INITIALIZATION NOT DONE

Explanation: This is an internal IMS DPROP error. An IMS DPROP module called the internal IMS DPROP CIA (control information access) component even though CIA was not initialized.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: If possible, activate the IMS DPROP trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output. Save the dump.

Module: EKYX400X

**EKYL401E OBJECT RETRIEVED FROM VLF IS NOT THE STATUS FILE RECORD
START OF OBJECT=obj**

Explanation: Using software other than IMS DPROP software to store VLF objects in a VLF class reserved for IMS DPROP can cause this error. Module EKYX400X read the status file record from VLF. During validation, EKYX400X found that the object read from VLF did not look like the status file record. *obj* contains the first bytes of the object retrieved from VLF.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Determine whether software other than IMS DPROP software erroneously created VLF objects in the VLF class reserved for IMS DPROP. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX400X

EKYLX402E UNEXPECTED DPRNAME/TOKEN IN VLF COPY OF STATUS FILE RECORD
READ : DPRNAME=*dpr1*
DPRTOKEN=*dprto1* EXPECTED :
DPRNAME=*dpr2* DPRTOKEN=*dprto2*

Explanation: Using software other than IMS DPROP software to store VLF objects in a VLF class reserved for IMS DPROP can cause this error. Module EKYLX400X read the status file record from VLF. During validation, EKYLX400X found unexpected values in the DPRNAME or DPRTOKEN fields in the status file record.

dpr2 and *dprto2* are the expected DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual DPRNAME and DPRTOKEN in the status file record read from VLF.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Determine whether software other than IMS DPROP software erroneously created VLF objects in the VLF class reserved for IMS DPROP. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYLX400X

EKYLX404E UNEXPECTED DPROP LEVEL IN VLF COPY OF STATUS FILE RECORD
LEVEL=*dprlv*

Explanation: Module EKYLX400X read the status file record from VLF. During validation, EKYLX400X found an unexpected value in the field containing the software level of the module that created the status file record. This error occurs if you combine IMS DPROP modules of incompatible software levels for the same IMS DPROP system.

dprlv is the software level of the IMS DPROP module that created the status file record. This software level is not compatible with the software level of EKYLX400X. The software level of EKYLX400X is in the CSECT SAVEID of module EKYLX400X in the dump.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If you did not use IMS DPROP modules of incompatible software levels, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYLX400X

EKYLX405E INVALID STATUS VALUE IN THE STATUS FILE RECORD START OF OBJECT=*obj*

Explanation: Using software other than IMS DPROP software to store VLF objects in a VLF class reserved for IMS DPROP can cause this error. Module EKYLX400X read the status file record from VLF. During validation, EKYLX400X found an unexpected value in the field of the status file record containing the STATUS of the IMS DPROP system.

obj is the beginning of the status file record retrieved from VLF.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Determine whether software other than IMS DPROP software erroneously created VLF objects in the VLF class reserved for IMS DPROP. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYLX400X

EKYLX406E UNEXPECTED VLF OBJECT SIZE FOR STATUS FILE RECORD VLF OBJECT
SIZE=*vlfbjbs* EXPECTED SIZE=*size*

Explanation: Using software other than IMS DPROP software to store VLF objects in a VLF class reserved for IMS DPROP can cause this error. Module EKYLX400X read the status file record from VLF. During validation, EKYLX400X found that the VLF object had an unexpected length.

vlfbjbs and *size* are the actual and expected size of the VLF object.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Determine whether software other than IMS DPROP software erroneously created VLF objects in the VLF class reserved for IMS DPROP. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYLX400X

EKYLX411E RECORD IN //EKYSTATF FILE IS NOT VALID START OF RECORD=*obj*

Explanation: Not using the SCU to create or update the IMS DPROP Status File record can cause this error. Module EKYLX410X read the status file record. During validation, EKYLX410X found that the record did not look like the status file record.

obj contains the first bytes of the record that was read.

The status file record should be created and updated exclusively by IMS DPROF utility functions.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether the status file record was created or updated using the Status Change utility. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX410X

**EKYX412E UNEXPECTED DPRNAME/TOKEN IN
//EKYSTATF RECORD READ :
DPRNAME=*dpr1* DPRTOKEN=*dprto1*
EXPECTED : DPRNAME=*dpr2*
DPRTOKEN=*dprto2***

Explanation: Not using the SCU to create or update the IMS DPROF Status File record can cause this error. Module EKYX410X read the status file record. During validation, EKYX410X found that the record did not contain expected values in the DPRNAME and/or DPRTOKEN fields.

dpr2 and *dprto2* are the expected values for DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the values of DPRNAME and DPRTOKEN that were actually read.

The status file record should be created and updated exclusively using IMS DPROF utility functions.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether the status file record was created or updated using the Status Change utility. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX410X

**EKYX414E UNEXPECTED DPROF LEVEL IN
//EKYSTATF RECORD LEVEL=*dprlv***

Explanation: Combining IMS DPROF modules of different software levels for the same IMS DPROF system can cause this error. Module EKYX410X read the status file record. During validation, EKYX410X found that the record contained an unexpected value in the field containing the software level of the IMS DPROF module that created the record.

dprlv is the software level of the IMS DPROF module that created the status file record. This level is not compatible with the software level of EKYX410X. The software level of EKYX410X can be found in the CSECT SAVEID of module EKYX410X in the dump.

Note also that the status file record should be created

and updated exclusively by IMS DPROF utility functions.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: If you did not use IMS DPROF modules of incompatible software levels, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX410X

**EKYX415E THE //EKYSTATF FILE IS EMPTY OR
DUMMY**

Explanation: Module EKYX410X tried to read the status file record. It found that either:

- The status file was empty, or
- The //EKYSTATF DD statement was set to DUMMY.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether //EKYSTATF was set to DUMMY or whether the status file was empty.

- If //EKYSTATF was empty, determine how this happened. The Status Change utility INIT STATF function can be used to create the status file record.
- If //EKYSTATF was set to DUMMY, correct the //EKYSTATF DD statement so that it describes the status file.

Problem determination: Save the JCL listings.

Module: EKYX410X

EKYX416E OPEN FOR //EKYSTATF FAILED

Explanation: Module EKYX410X could not open the //EKYSTATF data set. Refer to messages issued by MVS and/or DFP, which describe the reason for the failure.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Check the messages issued by MVS and/or DFP to determine the nature of the failure.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYX410X

EKYX417E RDJFCB FOR //EKYSTATF FAILED

Explanation: An MVS RDJFCB macro issued by IMS DPROF module EKYX410X failed. Refer to message EKYZ520E, which describes the reason for the failure.

Severity: Error.

System action: IMS DPROT issues an abend.

Programmer response: See message EKYZ520E to determine the nature of the failure.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYX410X

EKYX418E DSNNAME OF //EKYSTATF DOES NOT MATCH DPROTGEN SPECIFICATIONS DPROT NAME=*dpr* EXPECTED DSN=*dsn*

Explanation: Module EKYX410X was called to read the status file record. During validation, EKYX410X found that the data set name of the status file allocated through the //EKYSTATF DD statement did not match the data set name specified during DPROTGEN for the IMS DPROT system used in the current job step.

dpr is the name of the IMS DPROT system used in the current job step. *dsn* is the correct data set name of the status file for that IMS DPROT system.

During DPROTGEN, the system administrator specifies a different status file data set name for each IMS DPROT system. The specified data set names are recorded in load module EKYG000X.

Severity: Error.

System action: IMS DPROT issues an abend.

User response: Correct the //EKYSTATF DD statement so that it specifies the data set name specified during DPROTGEN.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYX410X

EKYX419E //EKYSTATF DD STATEMENT IS MISSING

Explanation: Module EKYX410X was called to read the status file record. EKYX410X found that the //EKYSTATF DD statement describing the status file was missing.

Severity: Error.

System action: IMS DPROT issues an abend.

User response: Provide the required //EKYSTATF DD statement.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYX410X

EKYX420E INVALID CALL FUNCTION FOR EKYX420X.

Explanation: This is an internal IMS DPROT error. Module EKYX420X was called by other IMS DPROT modules using an invalid call function.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX420X

EKYX421E INVALID STATUS FILE RECORD START OF RECORD=*rec*

Explanation: This is an internal IMS DPROT error. Module EKYX420X was called by other IMS DPROT modules to create or update the status file record. During validation, EKYX420X found that the area provided by the calling modules did not contain a valid status file record.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX420X

EKYX422E UNEXPECTED DPRNAME/TOKEN IN STATUS FILE RECORD PROVIDED: DPRNAME=*dpr1* DPRTOKEN=*dprto1* EXPECTED: DPRNAME=*dpr2* DPRTOKEN=*dprto2*

Explanation: This is an internal IMS DPROT error. Module EKYX420X was called by other IMS DPROT modules to update or create the status file record. During validation, EKYX420X found that the status file record provided by the calling modules did not contain the expected DPRNAME and/or DPRTOKEN.

dpr2 and *dprto2* are the expected values for DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual values for DPRNAME and DPRTOKEN provided in the area of the calling module.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX420X

**EKYL423E UNEXPECTED DPROP LEVEL IN
STATUS FILE RECORD LEVEL=*dprlv***

Explanation: Combining IMS DPROP modules of different software levels in the same job step can cause this error. Module EKYX420X was called by other IMS DPROP modules to update or create the status file record. During validation, EKYX420X found that the status file record provided by the calling modules contained the IMS DPROP software level shown in the message. This IMS DPROP software level does not match the software level of module EKYX420X. The software level of EKYX420X is in the CSECT SAVEID of module EKYX420X in the dump.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If you did not use IMS DPROP modules of different software levels in the same job step, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX420X

**EKYL424E MVS/ESA COULD NOT RETRIEVE THE
DSNAME OF //EKYSTATF**

Explanation: IMS DPROP tried to retrieve the data set name of the status file using MVS/ESA service functions. These service functions were unable to retrieve the data set name. Other messages, for example, EKYZ520E, are issued.

Severity: Error.

System action: IMS DPROP issues an abend.

Programmer response: See the information provided by the other messages that describe the reason for the failure.

Problem determination: Save the dump. Save the JES log.

Module: EKYX420X

**EKYL425E DSNAME OF //EKYSTATF DOES NOT
MATCH DPROPGEN SPECIFICATIONS
DPROP NAME=*dpr* EXPECTED
DSN=*dsn***

Explanation: Module EKYX420X was called to update or create the status file record. During validation, EKYX420X found that the data set name of the status file allocated through the //EKYSTATF DD statement did not match the data set name specified during DPROPGEN for the IMS DPROP system used in the current job step.

dpr is the name of the IMS DPROP system used in the current job step. *dsn* is the correct data set name of the status file for that IMS DPROP system.

During DPROPGEN, the system administrator specifies a different status file data set name for each IMS DPROP system. The specified data set names are recorded in load module EKYG000X.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Correct the //EKYSTATF DD statement so that it specifies the data set name specified during DPROPGEN.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYX420X

**EKYL426E DPROP NAME IN STATUS FILE
RECORD NOT FOUND IN EKYG000X
LOAD MODULE, DPROP NAME=*dpr***

Explanation: Module EKYX420X was called to update or create the status file record. During validation, EKYX420X found that the name of the IMS DPROP system contained in the status file record provided by the caller did not match the name of any IMS DPROP system specified during DPROPGEN and recorded in load module EKYG000X.

dpr is the name of the IMS DPROP system contained in the status file record provided by the calling modules.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Check whether the:

- //EKYRESLB DD statement and the //STEPLIB or //JOBLIB DD statements provide access to the library containing the correct EKYG000X module.
- //EKYSTATF DD statement provides access to the correct and current status file for the IMS DPROP system.
- Status file was created or updated exclusively using the Status Change utility.

Problem determination: Save the dump.

Module: EKYX420X

**EKYL427E ENTRY POINT TO READ DPRMASTER
TABLE NOT FOUND IN EKYG000X
LOAD MODULE, DPROP NAME=*dpr***

Explanation: Module EKYX420X tried to locate in load module EKYG000X the entry point of the IMS DPROP module that issues SQL SELECT statements to read the DPRMASTER row of the IMS DPROP system identified in *dpr*. EKYX420X could not find the entry point of that module. Load module EKYG000X may not have been correctly link-edited and, therefore, some external references may not have been resolved by the linkage editor.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: If EKYG000X was correctly link-edited, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX420X

**EKYX428E ENTRY POINT TO READ DPRCBT
TABLE NOT FOUND IN EKYG000X
LOAD MODULE, DPROF NAME=*dpr***

Explanation: Module EKYX420X tried to locate in load module EKYG000X the entry point of the IMS DPROF module that issues SQL SELECT statements to read DPRCBT rows of the IMS DPROF system identified in *dpr*. EKYX420X could not find the entry point of that module.

Load module EKYG000X may not have been correctly link-edited and, therefore, some external references may not have been resolved by the linkage editor.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: If EKYG000X was correctly link-edited, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX420X

EKYX429E //EKYSTATF DD STATEMENT MISSING

Explanation: Module EKYX420X was called to create or update the status file record. EKYX420X found that the //EKYSTATF DD statement describing the status file was missing.

Severity: Error.

System action: IMS DPROF issues an abend.

User response: Provide the required //EKYSTATF DD statement.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYX420X

**EKYX430E ERROR WHILE WRITING TO
//EKYSTATF**

Explanation: IMS DPROF modules were creating or updating the status file record when an unexpected error, such as an I/O error, occurred. Other messages related to the error are issued.

Severity: Error.

System action: IMS DPROF issues an abend.

User response: Refer to the other messages, such as

message EKYZ501E, to obtain information about this problem.

Module: EKYX420X

**EKYX431E INTERNAL ERROR: INVALID STATUS
IN STATUS FILE RECORD START OF
RECORD=*rec***

Explanation: This is an internal IMS DPROF error. Module EKYX420X was called by other IMS DPROF modules to create or update the status file record. During validation, EKYX420X found an unexpected value in the field of the status file record containing the STATUS of the IMS DPROF system.

rec is the start of the status file record provided by the calling IMS DPROF modules.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX420X

**EKYX451E OBJECT RETRIEVED FROM VLF IS
NOT THE STATUS FILE RECORD
START OF OBJECT=*obj***

Explanation: Using software other than IMS DPROF software to store VLF objects in a VLF class reserved for IMS DPROF can cause this error. Module EKYX450X read the status file record from VLF. During validation, EKYX450X found that the object read from VLF does not look like the status file record. *obj* contains the first bytes of the object retrieved from VLF.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether software other than IMS DPROF software erroneously created VLF objects in the VLF class reserved for IMS DPROF. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX450X

**EKYX452E UNEXPECTED DPRNAME/TOKEN IN
VLF COPY OF STATUS FILE RECORD
READ : DPRNAME=*dpr1*
DPRTOKEN=*dprto1* EXPECTED :
DPRNAME=*dpr2* DPRTOKEN=*dprto2***

Explanation: Using software other than IMS DPROF software to store VLF objects in a VLF class reserved for IMS DPROF can cause this error. Module EKYX450X read the status file record from VLF. During

validation, EKYX450X found unexpected values in the DPRNAME or DPRTOKEN fields located in the status file record.

dpr2 and *dprto2* are the expected DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual DPRNAME and DPRTOKEN located in the status file record read from VLF.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether software other than IMS DPROT software erroneously created VLF objects in the VLF class reserved for IMS DPROT. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX450X

**EKYX454E UNEXPECTED DPROT LEVEL IN VLF COPY OF STATUS FILE RECORD
LEVEL=*dprlv***

Explanation: Combining IMS DPROT modules of different software levels for the same IMS DPROT system can cause this error. Module EKYX450X read the status file record from VLF. During validation, EKYX450X found an unexpected value in that field of the status file record containing the IMS DPROT software level of the IMS DPROT module that created the status file record.

dprlv is the IMS DPROT software level of the IMS DPROT module that created the status file record. This software level is not compatible with the software level of EKYX450X. The software level of EKYX400X is in the CSECT SAVEID of module EKYX450X in the dump.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: If the installation does not erroneously combine use of modules of incompatible IMS DPROT software levels, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX450X

**EKYX456E UNEXPECTED VLF OBJECT SIZE FOR STATUS FILE RECORD VLF OBJECT
SIZE=*vlfbjbs* EXPECTED SIZE=*size***

Explanation: Using software other than IMS DPROT software to store VLF objects in a VLF class reserved for IMS DPROT can cause this error.

Module EKYX450X read the status file record from VLF. During validation, EKYX450X found that the VLF object had an unexpected length.

vlfbjbs and *size* are the actual size of the VLF object and the expected size.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether software other than IMS DPROT software erroneously created VLF objects in the VLF class reserved for IMS DPROT. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX450X

**EKYX457E INTERNAL ERROR: INVALID LENGTH
IN SVRVTLSL**

Explanation: This is an internal IMS DPROT error. Module EKYX450X was called by other IMS DPROT modules to read the status file record. During validation, EKYX450X found that the SVRVTLSL field contained an invalid length.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX450X

**EKYX458E INVALID STATUS IN THE STATUS FILE
RECORD START OF OBJECT=*obj***

Explanation: Using software other than IMS DPROT software to store VLF objects in a VLF class reserved for IMS DPROT can cause this error. Module EKYX458X read the status file record from VLF. During validation, EKYX450X found an unexpected value in that field of the status file record containing the STATUS of the IMS DPROT system.

obj is the start of the status file record retrieved from VLF.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether software other than IMS DPROT software erroneously created VLF objects in the VLF class reserved for IMS DPROT. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX450X

EKYL500E ACCESS TO IMS DPROP DIRECTORY HAS NOT BEEN INITIALIZED

Explanation: This is an internal IMS DPROP error. An IMS DPROP module tried to access the IMS DPROP directory, but access to the directory was not previously initialized.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: If possible, activate the IMS DPROP trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output. Save the dump.

Module: EKYL500X

EKYL501E OBJECT RETRIEVED FROM VLF IS NOT THE DPRMASTER ROW START OF OBJECT=obj

Explanation: Using software other than IMS DPROP software to store VLF objects in a VLF class reserved for IMS DPROP can cause this error. Module EKYL500X read the DPRMASTER row from VLF. During validation, EKYL500X found that the object read from VLF does not look like the DPRMASTER row. *obj* contains the first bytes of the object retrieved from VLF.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Determine whether software other than IMS DPROP software erroneously created VLF objects in the VLF class reserved for IMS DPROP. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYL500X

EKYL502E UNEXPECTED DPRNAME/TOKEN IN VLF COPY OF DPRMASTER ROW READ : DPRNAME=dpr1 DPRTOKEN=dprto1 EXPECTED : DPRNAME=dpr2 DPRTOKEN=dprto2

Explanation: Using software other than IMS DPROP software to store VLF objects in a VLF class reserved for IMS DPROP can cause this error. Module EKYL500X read the DPRMASTER row from VLF. During validation, EKYL500X found unexpected values in the DPRNAME or DPRTOKEN fields in the DPRMASTER row.

dpr2 and *dprto2* are the expected DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual DPRNAME and DPRTOKEN read from VLF.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Determine whether software other than IMS DPROP software erroneously created VLF objects in the VLF class reserved for IMS DPROP. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYL500X

EKYL503E UNEXPECTED DPRNAME/TOKEN IN DPRMASTER ROW READ : DPRNAME=dpr1 DPRTOKEN=dprto1 EXPECTED : DPRNAME=dpr2 DPRTOKEN=dprto2

Explanation: The job step executed with an inconsistent DB2 plan (which results in some IMS DPROP modules/DBRMs accessing one IMS DPROP directory and some IMS DPROP modules/DBRMs accessing another). Or the IMS DPROP directory tables were updated incorrectly (for example, using utilities other than IMS DPROP utilities or using the wrong DB2 plans).

Module EKYL500X read the unique row of the DPRMASTER table. During validation, EKYL500X found an unexpected value in the DPRNAME or DPRTOKEN columns.

dpr2 and *dprto2* are the expected values of DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual values of DPRNAME and DPRTOKEN that were read.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If the problem was not created by using an inconsistent DB2 plan or by incorrectly updating the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYL500X

EKYL520E INTERNAL ERROR: ACCESS TO DPROP DIRECTORY NOT INITIALIZED

Explanation: This is an internal IMS DPROP error. An IMS DPROP module tried to access the IMS DPROP directory, even though access to the directory was not previously initialized.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: If possible, activate the IMS DPROP trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output. Save the dump.

Module: EKYX520X

**EKYX521E INTERNAL ERROR: AREA OF CALLER
IS NOT THE DPRMASTER ROW**

Explanation: This is an internal IMS DPROT error. Module EKYX520X was called by other IMS DPROT modules to update the DPRMASTER row. During validation, EKYX520X found that the area provided by the calling modules did not contain a valid DPRMASTER row.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX520X

**EKYX522E UNEXPECTED DPRNAME/TOKEN IN
AREA OF CALLER AREA :
DPRNAME=*dpr1* DPRTOKEN=*dprto1*
EXPECTED : DPRNAME=*dpr2*
DPRTOKEN=*dprto2***

Explanation: This is an internal IMS DPROT error. Module EKYX520X was called by other IMS DPROT modules to update the DPRMASTER row. During validation, EKYX520X found that the DPRMASTER row provided by the calling modules did not contain the expected DPRNAME and/or DPRTOKEN.

dpr2 and *dprto2* are the expected DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual DPRNAME and DPRTOKEN provided in the area of the calling module.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX520X

**EKYX523E SQL ERROR WHILE UPDATING THE
DPRMASTER ROW**

Explanation: IMS DPROT found an SQL error while trying to update the DPRMASTER row. Message EKYZ360E provides more detailed information about the SQL error.

Severity: Error.

System action: This depends on the type of IMS DPROT function being performed.

System programmer response: Analyze the information provided in message EKYZ360E.

Module: EKYX520X

**EKYX540E INTERNAL ERROR: ACCESS TO
DPROT DIRECTORY NOT INITIALIZED**

Explanation: This is an internal IMS DPROT error. An IMS DPROT module called the EKYX540X module of the IMS DPROT CIA (control information access) component, but access to the directory was not previously initialized.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump. Save the dump

Module: EKYX540X

**EKYX542E SQL ERROR DURING SQL UPDATE OF
DPRMASTER TABLE**

Explanation: The IMS DPROT module EKYX540X. Could not update the DPRMASTER table. Information about the SQL error is provided in message EKYZ360E.

Severity: Error.

System action: Further processing depends on which IMS DPROT function is being performed.

Problem determination: See the information in message EKYZ360E.

Module: EKYX540X

**EKYX543E SQL ERROR DURING SQL SELECT OF
DPRMASTER TABLE**

Explanation: The IMS DPROT module EKYX540X. Could not read the DPRMASTER table. Information about the SQL error is provided in message EKYZ360E.

Severity: Error.

System action: Further processing depends on which IMS DPROT function is being performed.

Problem determination: See the information in message EKYZ360E.

Module: EKYX540X

**EKYX561E SSID=*ssid* HAS NOT BEEN DEFINED
AS SUBSYSTEM TO MVS**

Explanation: The subsystem ID (SSID) displayed in the message is the subsystem ID reserved for IMS DPROT use. This subsystem ID was not defined to MVS as a subsystem ID.

Severity: Error.

System action: Abend.

System programmer response: Request that your MVS System Administrators define the displayed SSID to MVS in the IEFSSNxx member of PARMLIB. This specification will become active after the next IPL.

Problem determination: Save the dump.

Module: EKYX560X

**EKYX562E INTERNAL ERROR: INVALID
SUBFUNCTION CODE FOR DPROP
SVC ROUTINE**

Explanation: This is an internal IMS DPROP error. The subfunction code provided by IMS DPROP modules for the IMS DPROP SVC was invalid.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX560X

**EKYX563E INTERNAL ERROR: INVALID ATTEMPT
TO CREATE THE YCVT CONTROL
BLOCK**

Explanation: This is an internal IMS DPROP error. An IMS DPROP module is calling the IMS DPROP SVC to create the YCVT control block, but this control block already exists.

Severity: Error.

System action: Abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX560X

**EKYX564E INTERNAL ERROR: INVALID ATTEMPT
TO UPDATE THE YCVT CONTROL
BLOCK**

Explanation: This is an internal IMS DPROP error. An IMS DPROP module is calling the IMS DPROP SVC to update the YCVT control block, but this control block does not exist.

Severity: Error.

System action: Abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX560X

**EKYX567E UNEXPECTED EYE-CATCHER IN
OS/VS SSCT CONTROL BLOCK START
OF SSCT=ssct**

Explanation: This is an unexpected error. While searching the chain of OS/VS SSCT control blocks, an IMS DPROP module found an SSCT with an unexpected eye-catcher.

Severity: Error.

System action: Abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX560X

**EKYX568E UNEXPECTED EYE-CATCHER IN
DPROP YCVT CONTROL BLOCK
START OF YCVT=ycvt**

Explanation: This is an unexpected error. While searching the chain of IMS DPROP extensions to the OS/VS SSCT control blocks, an IMS DPROP module found an IMS DPROP YCVT control block with an unexpected eye-catcher.

Severity: Error.

System action: Abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX560X

**EKYX600E ACCESS TO DPROP DIRECTORY HAS
NOT BEEN INITIALIZED**

Explanation: This is an internal IMS DPROP error. An IMS DPROP module tried to access the IMS DPROP directory, but access to the directory was not previously initialized.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: If possible, activate the IMS DPROP trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output. Save the dump.

Module: EKYX600X

**EKYX601E OBJECT RETRIEVED FROM VLF IS
NOT THE RUP PRCB OF DBD=dbd
SEG=segment START OF OBJECT=obj**

Explanation: Using software other than IMS DPROP software to store VLF objects in a VLF class reserved

for IMS DPROF can cause this error. Module EKYX600X read from VLF the PRCB of the DBD and segment type identified in the message. During validation, EKYX600X found that the object read from VLF did not look like a PRCB. *obj* contains the first bytes of the object retrieved from VLF.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether software other than IMS DPROF software erroneously created VLF objects in the VLF class reserved for IMS DPROF. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX600X

EKYX602E UNEXPECTED DPRNAME/TOKEN IN VLF COPY OF RUP PRCB DBD=*dbd* SEG=*segment* READ : DPRNAME=*dpr1* DPRTOKEN=*dprto1* EXPECTED : DPRNAME=*dpr2* DPRTOKEN=*dprto2*

Explanation: Using software other than IMS DPROF software to store VLF objects in a VLF class reserved for IMS DPROF can cause this error. Module EKYX600X read from VLF the PRCB of the DBD and segment type identified in the message. During validation, EKYX600X found unexpected values in the DPRNAME or DPRTOKEN fields located in the PRCB.

dpr2 and *dprto2* are the expected DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual DPRNAME and DPRTOKEN in the PRCB read from VLF.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether software other than IMS DPROF software erroneously created VLF objects in the VLF class reserved for IMS DPROF. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX600X

EKYX604E UNEXPECTED DPROF LEVEL IN VLF COPY OF A RUP PRCB DBD=*dbd* SEG=*segment* LEVEL=*dprlv*

Explanation: Combining IMS DPROF modules of different software levels for the same IMS DPROF system can cause this error. Module EKYX600X read from VLF the PRCB of the DBD and segment type identified in the message. During validation, EKYX600X found an unexpected value in the field of the PRCB containing the IMS DPROF software level of the module that created the PRCB.

dprlv is the IMS DPROF software level of the IMS DPROF module that created the PRCB. This software level is not compatible with the software level of EKYX600X. The software level of EKYX600X is in the CSECT SAVEID of module EKYX600X in the dump.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: If the installation did not erroneously combine use of IMS DPROF modules of incompatible IMS DPROF software levels, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX600X

EKYX605E UNEXPECTED DBD NAME OR SEGMENT NAME IN VLF COPY OF RUP PRCB READ : DBDNAME=*dbd1* SEGNAME=*seg1* EXPECTED : DBDNAME=*dbd2* SEGNAME=*seg2*

Explanation: Using software other than IMS DPROF software to store VLF objects in a VLF class reserved for IMS DPROF can cause this error. Module EKYX600X read from VLF the PRCB of the DBD and segment type identified in the message. During validation, EKYX600X found an unexpected DBD name and/or segment name in the PRCB that was read.

dbd2 and *seg2* are the expected DBD name and segment name. *dbd1* and *seg1* are the DBD name and segment name in the PRCB read from VLF.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Determine whether software other than IMS DPROF software erroneously created VLF objects in the VLF class reserved for IMS DPROF. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX600X

EKYX606E PRCB SIZE IN RRHPRCBS NOT EQUAL TO SIZE OF VLF OBJECT DBDNAME=*dbd* SEGNAME=*segment* RRHPRCBS=*prcbs* VLF OBJECT SIZE=*vlfobjs*

Explanation: Using software other than IMS DPROF software to store VLF objects in a VLF class reserved for IMS DPROF can cause this error. Module EKYX600X read from VLF the PRCB of the DBD and segment type identified in the message. During validation, EKYX600X found an unexpected value in the RRHPRCBS field in the PRCB that was read.

prcbs and *vlfobjs* are the value of the RRHPRCBS field

and the object size of the PRCB.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether software other than IMS DPROT software erroneously created VLF objects in the VLF class reserved for IMS DPROT. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX600X

EKYX607E INTERNAL ERROR: INVALID LENGTH IN PTDCIARL

Explanation: This is an internal IMS DPROT error. When called to read a PRCB, module EKYX600X found an invalid value in the PTDCIARL field.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX600X

**EKYX610E UNEXPECTED DPRNAME/TOKEN IN DPRCBT ROW DBD=*dbd* SEG=*segment*
READ : DPRNAME=*dpr1*
DPRTOKEN=*dprto1* EXPECTED :
DPRNAME=*dpr2* DPRTOKEN=*dprto2***

Explanation: The job step executed with an inconsistent DB2 plan (which results in some IMS DPROT modules/DBRMs accessing one IMS DPROT directory and some IMS DPROT modules/DBRMs accessing another). Or the IMS DPROT directory tables were updated incorrectly (for example, using utilities other than IMS DPROT utilities or using the wrong DB2 plans). Module EKYX610X read a PRCB from the DPRCBT table. During validation, EKYX610X found an unexpected value in the DPRNAME or DPRTOKEN columns.

dpr2 and *dprto2* are the expected values of DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual values of DPRNAME and DPRTOKEN that were read.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: If the problem was not created by using an inconsistent DB2 plan or by incorrectly updating the IMS DPROT directory tables, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX600X

**EKYX611E INCONSISTENT TIMESTAMPS IN DPRCBT ROWS DPROT NAME=*dpr*
DBD=*dbd* SEG=*segment***

Explanation: Using utilities other than the IMS DPROT utilities to update IMS DPROT directory tables can cause this problem. While reading a PRCB from the DPRCBT table, module EKYX610X found that all rows of the PRCB did not have the same time stamp.

dpr, *dbd*, and *segment* are the name of the IMS DPROT system, the DBD name of the PRCB, and the segment name of the PRCB.

The content of the DPRCBT table can be rebuilt from other IMS DPROT directory tables using the MVGU RECREATE function. Because the MVGU RECREATE function may not be convenient from an operational point of view, you may want to do this as a last resort.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: If the problem was not created through incorrect updates of the IMS DPROT directory tables, call IBM Software Support for assistance.

Problem determination: Save the dump. Print the DPRCBT rows of the PRCB for the named DBD name and segment name.

Module: EKYX600X

**EKYX612E RUP PRCB SIZE IS NOT EQUAL TO THE SUM OF VARCB COLUMN LENGTHS DPROT NAME=*dpr* DBD=*dbd*
SEG=*segment***

Explanation: Using utilities other than the IMS DPROT utilities to update IMS DPROT directory tables can cause this error.

While reading a PRCB from the DPRCBT table, module EKYX610X compared:

- The sum of the VARCB column values (over all DPRCBT rows belonging to the same PRCB) with
- The PRCB size as stored in the first DPRCBT row of the PRCB.

These two values were not equal.

dpr, *dbd*, and *segment* are the name of the IMS DPROT system, the DBD name of the PRCB, and the segment name of the PRCB.

The content of the DPRCBT table can be rebuilt from the other IMS DPROT directory tables using the MVGU RECREATE function. Because the MVGU RECREATE function may not be convenient from an operational point of view, you may want to do this as a last resort.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: If the problem was not created through incorrect updates of the IMS DPROT directory tables, call IBM Software Support for assistance.

Problem determination: Save the dump. Print the content of the DPRCBT rows of the PRCB for the named DBD name and segment name.

Module: EKYX600X

**EKYX613E INVALID VALUES IN 'TYPE' COLUMNS
DPROT NAME=*dpr* DBD=*dbd*
SEG=*segment***

Explanation: Using utilities other than the IMS DPROT utilities to update IMS DPROT directory tables can cause this error.

While reading a PRCB from the DPRCBT table, module EKYX610X found an invalid value in a TYPE column in the rows belonging to the PRCB.

dpr, *dbd*, and *segment* are the name of the IMS DPROT system, the DBD name of the PRCB, and the segment name of the PRCB.

The content of the DPRCBT table can be rebuilt from other IMS DPROT directory tables using the MVGU RECREATE function. Because the MVGU RECREATE function may not be convenient from an operational point of view, you may want to do this as a last resort.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROT directory tables, call IBM Software Support for assistance.

Problem determination: Save the dump. Print the DPRCBT rows of the PRCB for the named DBD name and segment name.

Module: EKYX600X

**EKYX614E EXPECTED ROWS IN DPRCBT TABLE
NOT FOUND DPROT NAME=*dpr*
DBD=*dbd* SEG=*segment***

Explanation: Using utilities other than the IMS DPROT utilities to update IMS DPROT directory tables can cause this error. While reading a PRCB from the DPRCBT table, module EKYX610X found rows missing in the DPRCBT table.

dpr, *dbd*, and *segment* are the name of the IMS DPROT system, the DBD name of the PRCB, and the segment name of the PRCB.

The content of the DPRCBT table can be rebuilt from other IMS DPROT directory tables using the MVGU RECREATE function. Because the MVGU RECREATE

function may not be convenient from an operational point of view, you may want to do this as a last resort.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROT directory tables, call IBM Software Support for assistance.

Problem determination: Save the dump. Print the DPRCBT rows of the PRCB for the named DBD name and segment name.

Module: EKYX600X

**EKYX615E UNEXPECTED LENGTH OF VARCB
COLUMN ON DPRCBT TABLE DPROT
NAME=*dpr* DBD=*dbd* SEG=*segment***

Explanation: Using utilities other than the IMS DPROT utilities to update IMS DPROT directory tables can cause this error. While reading a PRCB from the DPRCBT table, module EKYX610X found an unexpected value for the length of a VARCB column in the DPRCBT table.

dpr, *dbd*, and *segment* are the name of the IMS DPROT system, the DBD name of the PRCB, and the segment name of the PRCB.

The content of the DPRCBT table can be rebuilt from the other IMS DPROT directory tables using the MVGU RECREATE function. Because the MVGU RECREATE function may not be convenient from an operational point of view, you may want to do this as a last resort.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROT directory tables, call IBM Software Support for assistance.

Problem determination: Save the dump. Print the DPRCBT rows of the PRCB for the named DBD name and segment name.

Module: EKYX600X

**EKYX660E UNEXPECTED MAPPING TABLE
CONTENT FOR PR=*prid* WHILE
BUILDING RUP PRCB FOR DBD=*dbd* /
SEG=*segment* REASON CODE=*rsnc***

Explanation: The content of an IMS DPROT directory table was unexpected. Not using the IMS DPROT utilities to update the DPROT directory table can cause this error.

The message displays a PR ID, a DBD name, a segment name, and a field name; this information helps identify the PR involved in the error. The message also

displays an IMS DPROT internal reason code.

Severity: Error.

System action: This depends on the type of IMS DPROT function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROT directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the rows of the DPRPR and DPRSEG table involved in the error.

Module: EKYX760X

**EKYX663E INVALID VALUE IN COLUMN=*column*
OF TABLE=*tablename* FOR PR=*prid*
DBD=*dbd* SEG=*segment***

Explanation: The content of an IMS DPROT directory table was unexpected. Not using the IMS DPROT utilities to update the DPROT directory table can cause this error.

The message displays a column name and the name of an IMS DPROT mapping table. This column contains an invalid value.

The message also displays a PRID, a DBD name, and a segment name; this information helps identify the PR involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROT function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROT directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the mapping table rows of the PR involved in the error.

Module: EKYX760X

**EKYX664E ROLE COLUMN OF DPRSEG ROW
DOES NOT HAVE A VALUE OF 'S'
PR=*prid* DBD=*dbd* SEG=*segment***

Explanation: The content of an IMS DPROT directory table was unexpected. Not using the IMS DPROT utilities to update the DPROT directory table can cause this error.

While building a RUP PRCB, an IMS DPROT module found an unexpected value in the ROLE column of a DPRSEG row.

The message displays a PRID, a DBD name, and a segment name; this information helps identify the PR involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROT function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROT directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the mapping table rows of the PR involved in the error.

Module: EKYX760X

**EKYX665E DPRSEG ROW FOR THE ENTITY
SEGMENT HAS NOT BEEN FOUND
PR=*prid***

Explanation: The content of an IMS DPROT directory table was unexpected. Not using the IMS DPROT utilities to update the DPROT directory table can cause this error.

While building a RUP PRCB, an IMS DPROT module could not find the DPRSEG row of the entity segment of a PR.

The message displays the PR ID; this information helps identify the PR involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROT function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROT directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the mapping table rows of the PR involved in the error.

Module: EKYX760X

**EKYX666E RECURSIVE START-SEGMENT LOOP
IN DPRSEG ROWS OF PR=*prid***

Explanation: The content of an IMS DPROT directory table was unexpected. Not using the IMS DPROT utilities to update the DPROT directory table can cause this error.

While building a RUP PRCB, an IMS DPROT module found unexpected information in the DPRSEG rows of a PR.

The message displays the PR ID of that PR; this information helps identify the PR involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROT function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the mapping table rows of the PR involved in the error.

Module: EKYX760X

**EKYX667E UNEXPECTED VALUE IN 'ROLE'
COLUMN PR=prid DBD=dbd
SEG=segment**

Explanation: The content of an IMS DPROP directory table was unexpected. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

While building a RUP PRCB, an IMS DPROP module found an unexpected value in the ROLE column of a DPRSEG row.

The message displays a PRID, a DBD name, and a segment name; this information helps identify the PR involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the mapping table rows of the PR involved in the error.

Module: EKYX760X

**EKYX668E UNEXPECTED VALUE IN 'FORMAT'
COLUMN IN DPRSEG TABLE PR=prid
DBD=dbd SEG=segment**

Explanation: The content of an IMS DPROP directory table was unexpected. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

While building a RUP PRCB, an IMS DPROP module found an unexpected value in the FORMAT column of a DPRSEG row.

The message displays a PRID, a DBD name, and a segment name; this information helps identify the PR involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was

not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the mapping table rows of the PR involved in the error.

Module: EKYX760X

**EKYX669E UNEXPECTED ZERO-VALUE IN
'PARMOFF2' COLUMN OF DPRFLD
TABLE PR=prid DBD=dbd SEG=segment
FIELD=field**

Explanation: The content of an IMS DPROP directory table was unexpected. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

While building a RUP PRCB, an IMS DPROP module found an unexpected value in the PARMOFF column of a DPRFLD row.

The message displays a PRID, a DBD name, a segment name, and a field name; this information helps identify the PR involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the mapping table rows of the PR involved in the error.

Module: EKYX760X

**EKYX670E INVALID VALUE IN COLUMN=column
OF TABLE=tablename FOR PR=prid
DBD=dbd SEG=segment COLUMN
VALUE='value' ERROR DESCRIPTION:
short explanation**

Explanation: The content of an IMS DPROP directory table was unexpected. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

While building a RUP PRCB, an IMS DPROP module found an unexpected value in the displayed column of an IMS DPROP mapping table.

The message displays a PR ID, a DBD name, and a segment name; this information helps identify the PR involved in the error. The message also displays the unexpected column value and a short explanation.

Severity: Error.

System action: This depends on the type of IMS

DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the mapping table rows of the PR involved in the error.

Module: EKYX760X

EKYX700E INVALID CALL FUNCTION FOR EKYX700X.

Explanation: This is an internal IMS DPROP error. Module EKYX700X was called by other IMS DPROP modules with an invalid call function.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX700X

EKYX701E INVALID DISCARDP= SPECIFICATION ON EKYCIAPR MACRO

Explanation: This is an internal IMS DPROP error. An IMS DPROP module issued the internal EKYCIAPR IMS DPROP macro with an invalid DISCARDP=value.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: If possible, activate the IMS DPROP trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output. Save the dump.

Module: EKYX700X

EKYX702E INVALID PR LIST PROVIDED TO EKYCIAPR MACRO

Explanation: An IMS DPROP module issued the internal EKYCIAPR IMS DPROP macro with an invalid PR list.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX600X

EKYX703E UNEXPECTED DPRNAME/TOKEN IN TABLE=tablename FOR PR=pr READ : DPRNAME=dpr1 DPRTOKEN=dprto1 EXPECTED : DPRNAME=dpr2 DPRTOKEN=dprto2

Explanation: The job step executed with an inconsistent DB2 plan (which results in some IMS DPROP modules/DBRMs accessing one IMS DPROP directory and some IMS DPROP modules/DBRMs accessing another). Or the IMS DPROP directory tables were updated incorrectly (for example, using utilities other than IMS DPROP utilities or using the wrong DB2 plans). Module EKYX700X read a row from the IMS DPROP directory table identified in the message. During validation, EKYX700X found an unexpected value in the DPRNAME or DPRTOKEN column.

tablename and *prid* are the name of the IMS DPROP table being accessed and the PR ID (the PR ID, which is part of the primary DB2 key of the accessed table, helps identify the row that was read).

dpr2 and *dprto2* are the expected values of DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual values of DPRNAME and DPRTOKEN that were read.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: Check whether the DB2 plan is consistent.

System programmer response: If the problem was not created by using an inconsistent DB2 plan or by incorrectly updating the IMS DPROP directory tables, call IBM Software Support for assistance.

Module: EKYX700X

EKYX704E SQL ERROR ACCESSING TABLE=tablename OPERATION=sqlop PR=prid

Explanation: IMS DPROP found an SQL error while trying to access the IMS DPROP directory table displayed in *tablename*. More detailed information about the SQL error is in message EKYZ360E.

sqlop and *prid* are the type of SQL operation being performed and the PR ID (the PR ID, which is part of the primary DB2 key of the accessed table, helps identify the row that was being accessed).

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

Programmer response: Analyze the information provided in message EKYZ360E.

Module: EKYX700X

**EKYY705E EKYCIAPR FUNC=UPDT/VLFREFR
WITHOUT PREVIOUS FUNC=NOTE**

Explanation: This is an internal IMS DPROP error. An IMS DPROP module issued the internal EKYCIAPR IMS DPROP macro with the FUNC=UPDT or FUNC=VLFREFR value. Such macros can be issued only after invoking an EKYCIAPR FUNC=NOTE macro.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: If possible, activate the IMS DPROP trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output. Save the dump.

Module: EKYY700X

**EKYY706E ERRORS ENCOUNTERED DURING
PRCB PROCESSING FOR *dbd* segment**

Explanation: Module EKYY700X encountered errors while creating or updating PRCB control blocks in the DPRCBT table. Previously issued messages describe the problem.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

User response: Check the information provided by messages issued before this one.

Module: EKYY700X

**EKYY707I RUP PRCB=*dbd* segment IS *action*
TIMESTAMP=*tmst***

Explanation: The PRCB for the displayed DBD name and segment name was processed as described by *action* (replaced, deleted, or inserted).

tmst is a time stamp identifying the date and time of processing. The time stamp is recorded in the DPRCBT table and is, therefore, useful for problem determination.

Severity: Information.

System action: Processing continues.

Module: EKYY700X

**EKYY708I *nnn* RUP PRCBs SUCCESSFULLY
PROCESSED**

Explanation: The displayed number of PRCBs were processed successfully during the current invocation of module EKYY700X.

Severity: Information.

System action: Processing continues.

Module: EKYY700X

**EKYY709E ACCESS TO DPROP DIRECTORY HAS
NOT BEEN INITIALIZED**

Explanation: This is an internal IMS DPROP error. An IMS DPROP module tried to access the IMS DPROP directory, but access to the directory was not previously initialized.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: If possible, activate the IMS DPROP trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output. Save the dump.

Module: EKYY700X

**EKYY720E SQL ERROR ACCESSING
TABLE=*tablename* OPERATION=*sqlop*
DBD=*dbd* SEG=*segment***

Explanation: IMS DPROP found an SQL error while trying to access the IMS DPROP directory table displayed in *tablename*. More detailed information about the SQL error is provided in message EKYZ360E.

sqlop, *dbd* and *segment* are the type of SQL operation being performed, the DBD name, and the segment name. (The DBD name and segment name are part of the primary DB2 key of the accessed table and, therefore, help identify the row that was being accessed.)

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

Programmer response: Analyze the information provided in message EKYZ360E.

Module: EKYY720X

**EKYY721E SQL ERROR ACCESSING
TABLE=*tablename* OPERATION=*sqlop*
DBD=*dbd* SEG=*segment***

Explanation: IMS DPROP found an SQL error while trying to access the IMS DPROP directory table displayed in *tablename*. More detailed information about the SQL error is in message EKYZ360E.

sqlop, *dbd*, and *segment* are the type of SQL operation being performed, the DBD name, and the segment name. (The DBD name and segment name are part of the primary DB2 key of the accessed table and, therefore, help identify the row that was being accessed.)

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

Programmer response: Analyze the information provided in message EKYZ360E.

Module: EKYX720X

EKYX722E SQL ERROR ACCESSING
TABLE=tablename OPERATION=sqlop
DBD=dbd SEG=segment

Explanation: IMS DPROF found an SQL error while trying to access the IMS DPROF directory table displayed in *tablename*. More detailed information about the SQL error is in message EKYZ360E.

sqlop, *dbd*, and *segment* are the type of SQL operation being performed, the DBD name, and the segment name. (The DBD name and segment name are part of the primary DB2 key of the accessed table and, therefore, help identify the row that was being accessed.)

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

Programmer response: Analyze the information provided in message EKYZ360E.

Module: EKYX720X

EKYX726E UNEXPECTED LENGTH OF VARCB
COLUMN OF DPRCBT TABLE FOR
PRCB=dbd/segment

Explanation: Using utilities other than the IMS DPROF utilities to update IMS DPROF directory tables can cause this error.

While reading a PRCB from the DPRCBT table, module EKYX720X compared:

- The sum of the VARCB column values (over all DPRCBT rows belonging to the same PRCB), with
- The PRCB size stored in the first DPRCBT row of the PRCB.

These two values were not equal.

dbd/segment is the DBD name and segment name of the PRCB.

The content of the DPRCBT table can be rebuilt from other IMS DPROF directory tables using the MVGU RECREATE function. Because the MVGU RECREATE function may not be convenient from an operational point of view, you may want to do this as a last resort.

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

System programmer response: If the problem was

not created by incorrect updates of the IMS DPROF directory tables, call IBM Software Support for assistance.

Problem determination: Print the DPRCBT rows of the PRCB for the named DBD name and segment name.

Module: EKYX720X

EKYX727E UNEXPECTED VALUE IN TYPE
COLUMN OF DPRCBT TABLE FOR
PRCB=dbd/segment

Explanation: Using utilities other than the IMS DPROF utilities to update IMS DPROF directory tables can cause this error.

While reading a PRCB from the DPRCBT table, module EKYX720X found an invalid value in a TYPE column in the rows belonging to the PRCB.

dbd/seg is the DBD name and segment name of the PRCB.

The content of the DPRCBT table can be rebuilt from other IMS DPROF directory tables using the MVGU RECREATE function. Because the MVGU RECREATE function may not be convenient from an operational point of view, you may want to do this as a last resort.

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROF directory tables, call IBM Software Support for assistance.

Problem determination: Print the DPRCBT rows of the PRCB for the named DBD name and segment name.

Module: EKYX720X

EKYX728E UNEXPECTED DPRNAME/TOKEN IN
TABLE=tablename FOR DBD=dbd AND
SEG=segment READ : DPRNAME=dpr1
DPRTOKEN=dprto1 EXPECTED :
DPRNAME=dpr2 DPRTOKEN=dprto2

Explanation: The job step executed with an inconsistent DB2 plan (which results in some IMS DPROF modules/DBRMs accessing one IMS DPROF directory and some IMS DPROF modules/DBRMs accessing another). Or, the IMS DPROF directory tables were updated incorrectly (for example, using utilities other than IMS DPROF utilities or using the wrong DB2 plans).

Module EKYX720X read a row from the IMS DPROF directory table in the message. During validation of the row that was read, EKYX720X found an unexpected value in the DPRNAME or DPRTOKEN column.

tablename, *dbd*, and *segment* are the name of the IMS DPROT table that was being accessed, a DBD name, and a segment name (the DBD name and segment name are part of the primary DB2 key of the accessed table and, therefore, help identify the row that was being accessed).

dpr2 and *dprto2* are the expected values of DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual values of the DPRNAME and DPRTOKEN that were read.

Severity: Error.

System action: This depends on the type of IMS DPROT function being performed.

System programmer response: If the problem was not created by using an inconsistent DB2 plan or by incorrectly updating the IMS DPROT directory tables, call IBM Software Support for assistance.

Programmer response: Check whether the DB2 plan is consistent.

Module: EKYX720X

EKYX740E SQL ERROR ACCESSING
TABLE=*tablename* **OPERATION=***sqlop*
PR=*prid*

Explanation: IMS DPROT found an SQL error while trying to access the table of the IMS DPROT directory displayed in *tablename*. More detailed information about the SQL error is provided in message EKYZ360E.

sqlop and *prid* are the type of SQL operation being performed and the PR ID. (The PR ID is part of the primary DB2 key of the accessed table and, therefore, helps identify the row that was being accessed).

Severity: Error.

System action: This depends on the type of IMS DPROT function being performed.

Programmer response: Analyze the information provided in message EKYZ360E.

Module: EKYX740X

EKYX748E MISSING ROW IN DPRSEG TABLE FOR
PR=*prid* **AND SEG=***segment*

Explanation: Using utilities other than the IMS DPROT utilities to update IMS DPROT directory tables can cause this error.

While accessing the DPRSEG table of the IMS DPROT directory, module EKYX740X could not find a row for the PR and segment name in the message. This is an error because the DPRFLD table contains rows for the same PR and segment name.

Severity: Error.

System action: This depends on the type of IMS DPROT function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROT directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the DPRSEG and DPRFLD rows for the displayed PR and segment.

Module: EKYX740X

EKYX749E UNEXPECTED DPRNAME/TOKEN IN
TABLE=*tablename* **FOR PR=***prid* **READ :**
DPRNAME=*dpr1* **DPRTOKEN=***dprto1*
EXPECTED : DPRNAME=*dpr2*
DPRTOKEN=*dprto2*

Explanation: The job step executed with an inconsistent DB2 plan (which results in some IMS DPROT modules/DBRMs accessing one IMS DPROT directory and some IMS DPROT modules/DBRMs accessing another). Or, the IMS DPROT directory tables have been updated incorrectly (for example, using utilities other than IMS DPROT utilities or using the wrong DB2 plans).

Module EKYX740X read a row from the IMS DPROT directory table shown in the message. During validation of the row that was read, EKYX740X found an unexpected value in the DPRNAME or DPRTOKEN column of the table identified in the message.

tablename and *prid* are the name of IMS DPROT table that was being accessed and the PR ID (the PR ID is part of the primary DB2 key of the accessed table and, therefore, helps identify the row that was being accessed).

dpr2 and *dprto2* are the expected values of DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual values of DPRNAME and DPRTOKEN that were read.

Severity: Error.

System action: This depends on the type of IMS DPROT function being performed.

Programmer response: Check whether the DB2 plan is consistent.

If the problem was not created by using an inconsistent DB2 plan or by incorrectly updating the IMS DPROT directory tables, call IBM Software Support for assistance.

Module: EKYX740X

EKYX757E UNEXPECTED OPERATOR IN
WHERE-CLAUSE OF THE PR; PR=*prid*
DBD=*dbd* **SEG=***segment* **FIELD=***field*

Explanation: An IMS DPROT module encountered an unexpected operator in the WHERE clause of the PR.

The message lists the PR in error and identifies one of

the two fields being compared with the unexpected operator.

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

System programmer response: Report the problem to IBM.

Problem determination: Save the trace records created on the //EKYTRACE data set.

Module: EKYX760X

EKYX758E FIELD DEFINITION IS NOT COMPATIBLE WITH OTHER FIELD IN THE WHERE-CLAUSE COMPARISON
PR=prid DBD=dbd SEG=segment
FIELD=field

Explanation: The WHERE clause of the PR request compares the identified field with another field. The field definitions of the two compared fields, however, are not compatible (for example, one field is defined as a numeric field, and the other field is defined as a character field).

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

System programmer response: Correct the WHERE clause of the PR so that only compatible fields are compared.

Problem determination: Save the trace records created on the //EKYTRACE data set.

Module: EKYX760X

EKYX759E DATA TYPE OF FIELD NOT SUPPORTED FOR THE WHERE-CLAUSE
PR=prid DBD=dbd
SEG=segment FIELD=field

Explanation: The WHERE clause of the PR request includes the identified field, whose data type in the WHERE clause is unsupported by IMS DPROF.

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

System programmer response: Correct the WHERE clause of the PR in such a way that only fields with supported data types are included.

Problem determination: Save the trace records created on the //EKYTRACE data set.

Module: EKYX760X

EKYX760E INVALID VALUE IN COLUMN=column
OF TABLE=tablename FOR PR=prid

Explanation: The content of an IMS DPROF directory table was invalid. Using utilities other than the IMS DPROF utilities to update IMS DPROF directory tables can cause this error.

During validation processing for the displayed PR, module EKYX760X found that the displayed column of the DPRPR table contained an invalid value.

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROF directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the DPRPR row for the displayed PR.

Module: EKYX760X

EKYX761E PR WITHOUT ROWS IN DPRSEG
TABLE, PR=prid

Explanation: The content of an IMS DPROF directory table was incomplete. Using utilities other than the IMS DPROF utilities to update IMS DPROF directory tables can cause this error.

During validation processing for the displayed PR, module EKYX760X found that the PR had no rows in the DPRSEG table.

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROF directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set.

Module: EKYX760X

EKYX762E INVALID VALUE IN COLUMN=column
OF TABLE=tablename FOR PR=prid
DBD=dbd SEG=segment

Explanation: The content of an IMS DPROF directory table was invalid. Using utilities other than the IMS DPROF utilities to update IMS DPROF directory tables can cause this error.

During validation processing for the displayed PR, module EKYX760X found that the displayed column of the displayed table contained an invalid value.

The message displays a PR ID, a DBD name, and a segment name; this information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROF directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the rows of the IMS DPROF directory involved in the error.

Module: EKYX760X

EKYX763E PARENT OF SEGMENT NOT FOUND
PR=prid DBD=dbd SEG=segment

Explanation: The content of an IMS DPROF directory table was incomplete. Using utilities other than the IMS DPROF utilities to update IMS DPROF directory tables can cause this error.

During validation processing for the displayed PR, module EKYX760X found that the DPRSEG table had no row for the parent of the segment displayed in the message.

The message displays a PR ID, a DBD name, and a segment name; this information helps identify the rows involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROF directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the rows of the DPRSEG table involved in the error.

Module: EKYX760X

EKYX764E FORMAT OF FIELD AND COLUMN ARE NOT COMPATIBLE
PR=prid DBD=dbd
SEG=segment FIELD=field

Explanation: The content of an IMS DPROF directory table was unexpected. Not using the IMS DPROF utilities to update the DPROF directory table can cause this error.

During validation processing for the displayed PR, module EKYX760X found that the format of an IMS field and its target DB2 column were incompatible.

The message displays a PR ID, a DBD name, a

segment name, and a field name; this information helps identify the row of the DPRFLD table involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROF directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the rows of the DPRFLD table involved in the error.

Module: EKYX760X

EKYX765E UNEXPECTED SEGMENT LEVEL IN PARENT SEGMENT
PR=prid DBD=dbd
SEG=segment

Explanation: The content of an IMS DPROF directory table was unexpected. Not using the IMS DPROF utilities to update the DPROF directory table can cause this error.

During validation processing for the displayed PR, module EKYX760X found an unexpected segment level for the parent of the segment type displayed in the message. This segment level is in the row of the DPRSEG table that describes the parent segment.

The message displays a PR ID, a DBD name, and a segment name (this is the segment name of the child, not the parent); this information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROF directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the rows of the DPRSEG table involved in the error.

Module: EKYX760X

EKYX766E INVALID VALUE IN COLUMN=col OF TABLE=tablename
PR=prid DBD=dbd
SEG=segment FIELD=fld

Explanation: The content of an IMS DPROF directory table was invalid. Using utilities other than the IMS DPROF utilities to update IMS DPROF directory tables can cause this error.

During validation processing for the displayed PR, module EKYX760X found that the displayed column of

the displayed table contained an invalid value.

The message displays a PR ID, a DBD name, a segment name, and a field name; this information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROF directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the row of the IMS DPROF directory table involved in the error.

Module: EKYX760X

**EKYX767E DPRFLD ROW WITHOUT MATCHING
DPRSEG ROW PR=*prid* DBD=*dbd*
SEG=*segment* FIELD=*field***

Explanation: The content of an IMS DPROF directory table was incomplete. Using utilities other than the IMS DPROF utilities to update IMS DPROF directory tables can cause this error.

During validation processing for the displayed PR, module EKYX760X found a DPRFLD row without a matching DPRSEG row.

The message displays a PR ID, a DBD name, a segment name, and a field name; this information helps identify the DPRFLD row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROF directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the rows of the IMS DPROF directory involved in the error.

Module: EKYX760X

**EKYX768E ROW FOR LENGTH FIELD MISSING IN
DPRFLD-TABLE PR=*prid* DBD=*dbd*
SEG=*segment* FIELD=*field***

Explanation: The content of an IMS DPROF directory table was incomplete. Using utilities other than the IMS DPROF utilities to update IMS DPROF directory tables can cause this error.

During validation processing for the displayed PR, module EKYX760X found that the DPRFLD row for the length field of a variable-length field was missing. The

message displays the field name of the variable-length field.

The message displays a PR ID, a DBD name, a segment name, and a field name; this information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROF directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the rows of the DPRFLD table involved in the error.

Module: EKYX760X

**EKYX769E PR=*prid* WITHOUT SELECTED FIELDS
FOR DBD=*dbd* SEG=*segment***

Explanation: The content of an IMS DPROF directory table was incomplete. Using utilities other than the IMS DPROF utilities to update IMS DPROF directory tables can cause this error.

During validation processing for the displayed PR, module EKYX760X found that the PR was not propagating any field (that is, the DPRFLD table does not contain any row describing a field selected/propagated by the PR).

The message displays a PR ID, a DBD name, and a segment name; this information helps identify the rows involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROF directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the rows of the IMS DPROF directory involved in the error.

Module: EKYX760X

**EKYX770E INVALID DEFINITIONS FOR A LENGTH
FIELD PR=*prid* DBD=*dbd* SEG=*segment*
FIELD=*field***

Explanation: The content of an IMS DPROF directory table was invalid. Using utilities other than the IMS DPROF utilities to update IMS DPROF directory tables can cause this error.

During validation processing for the displayed PR,

module EKYX760X found that the displayed length field had invalid definitions (for example, the length field was not defined as numeric or had a nonzero scale value).

The message displays a PR ID, a DBD name, a segment name, and a field name; this information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the row of the DPRFLD table involved in the error.

Module: EKYX760X

EKYX771E UNEXPECTED VALUE IN 'KEYOFFS' COLUMN OF DPRSEG TABLE PR=*prid* DBD=*dbd* SEG=*segment*

Explanation: The content of an IMS DPROP directory table was unexpected. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

During validation processing for the displayed PR, module EKYX760X found that the KEYOFFS column of the DPRSEG table contained an unexpected value (the key field at the hierarchical level n+1 was not defined in the DPRSEG table as adjacent in the fully concatenated key to the key field at hierarchical level n).

The message displays a PR ID, a DBD name, and a segment name; this information helps identify the row of the DPRSEG table involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the row of the DPRSEG table involved in the error. Print also the DPRSEG rows of the physical parent and all physical ancestors.

Module: EKYX760X

EKYX772E UNEXPECTED VALUE IN 'POSITION' AND/OR 'BYTES' COLUMN OF DPRFLD TABLE FOR A KEY FIELD PR=*prid* DBD=*dbd* SEG=*segment* FIELD=*field*

Explanation: The content of an IMS DPROP directory table was unexpected. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

During validation processing for the displayed PR, module EKYX760X found that the POSITION and/or BYTES columns of the DPRFLD table contained an unexpected value (the value in these columns conflicted with the values in the KEYLENG or SEGOFFS columns of the DPRSEG row).

The message displays a PR ID, a DBD name, a segment name, and a field name; this information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the row of the DPRFLD table involved in the error. Print also the DPRSEG row of the segment type that contains the field.

Module: EKYX760X

EKYX773E UNEXPECTED VALUE IN 'POSITION' AND/OR 'BYTES' COLUMN OF DPRFLD TABLE FOR A KEY SUBFIELD PR=*prid* DBD=*dbd* SEG=*segment* FIELD=*field*

Explanation: The content of an IMS DPROP directory table was unexpected. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

During validation processing for the displayed PR, module EKYX760X found that the POSITION and/or the BYTES columns of the DPRFLD table contained an unexpected value (the value in these columns conflicted with the values in the KEYLENG or SEGOFFS columns of the DPRSEG row).

The message displays a PR ID, a DBD name, a segment name, and a field name; this information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was

not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the row of the DPRFLD table involved in the error. Print also of the DPRSEG row of the segment type that contains the field.

Module: EKYX760X

EKYX774E FIELD IS NOT TOTALLY CONTAINED IN ITS SEGMENT PR=*prid* DBD=*dbd* SEG=*segment* FIELD=*field*

Explanation: The content of an IMS DPROP directory table was unexpected. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

During validation processing for the displayed PR, module EKYX760X found that the displayed field was not totally contained within its segment.

The message displays a PR ID, a DBD name, a segment name, and a field name; this information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the row of the DPRFLD table involved in the error. Print also the DPRSEG row of the segment type that contains the field.

Module: EKYX760X

EKYX775E FIELD CANNOT BE DEFINED AS A KEYFIELD OR KEY SUBFIELD PR=*prid* DBD=*dbd* SEG=*segment* FIELD=*field*

Explanation: The content of an IMS DPROP directory table was invalid. Using utilities other than the IMS DPROP utilities to update the IMS DPROP directory tables can cause this error.

During validation processing for the displayed PR, module EKYX760X found that the displayed field cannot be a key field or a key subfield (because the DPRSEG row indicates that the segment has no key field).

The message displays a PR ID, a DBD name, a segment name, and a field name; this information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the row of the DPRFLD table involved in the error. Print also the DPRSEG row of the segment type that contains the field.

Module: EKYX760X

EKYX776E INVALID LENGTH OF FIELD OR COLUMN IN DPRFLD TABLE PR=*prid* DBD=*dbd* SEG=*segment* FIELD=*field*

Explanation: The content of an IMS DPROP directory table was invalid. Using utilities other than the IMS DPROP utilities to update the IMS DPROP directory tables can cause this error.

During validation processing for the displayed PR, module EKYX760X found a DPRFLD row containing an invalid field or column length.

The message displays a PR ID, a DBD name, a segment name, and a field name; this information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the row of the DPRFLD table involved in the error.

Module: EKYX760X

EKYX777E INVALID SCALE OF FIELD OR COLUMN IN DPRFLD TABLE PR=*prid* DBD=*dbd* SEG=*segment* FIELD=*field*

Explanation: The content of an IMS DPROP directory table was invalid. Using utilities other than the IMS DPROP utilities to update the IMS DPROP directory tables can cause this error.

During validation processing for the displayed PR, module EKYX760X found a DPRFLD row containing an invalid field or column scale.

The message displays a PR ID, a DBD name, a segment name, and a field name; this information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the row of the DPRFLD table involved in the error.

Module: EKYX760X

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EKYL778E UNEXPECTED FIELD FORMAT OR COLUMN FORMAT IN DPRFLD TABLE PR=prid DBD=dbdname SEG=segment FIELD=field

Explanation: The content of an IMS DPROP directory table was invalid. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

During validation processing for the identified PR, module EKYX760X found a DPRFLD row containing an invalid field format or column format. The variable information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the row of the DPRFLD table involved in the error.

Module: EKYX760X

EKYL779E UNEXPECTED FORMAT CONVERSION REQUIREMENT PR=prid DBD=dbdname SEG=segment FIELD=field

Explanation: The content of an IMS DPROP directory table was invalid. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

During validation processing for the identified PR, module EKYX760X found a DPRFLD row describing a format conversion that is not supported by IMS DPROP. The variable information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the row of the DPRFLD table involved in the error.

Module: EKYX760X

EKYL780E RRHFRPR NOT POINTING TO A RPR FOR PRCB=dbdname/segment

Explanation: The content of an IMS DPROP directory table was invalid. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

During validation processing for the identified PRCB, module EKYX780X found that the field RRHFRPR of the PRCB is invalid and does not point to an RPR control block section; the PRCB is therefore invalid. The variable information helps identify the DPRCBT rows involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by improper updates of the IMS DPROP directory tables, call IBM Software Support for assistance. The invalid PRCB can be rebuilt using the MVGU RECREATE function, but using this function at this point in the operation may be extremely inconvenient.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the rows of the DPRCBT table involved in the error.

Module: EKYX780X

EKYL781E UNEXPECTED NUMBER OF DPRPR ROWS FOR PRCB=dbdname/segment

Explanation: The content of an IMS DPROP directory table was invalid. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

During validation processing for the identified PRCB, module EKYX780X found a mismatch between the mapping tables of the IMS DPROP directory and the PRCB stored in the DPRCBT table of the IMS DPROP directory. The number of PRs that propagate the identified DBD/segment type according to the DPRSEG table and DPRPR table does not match the number of RPR control block sections in the DPRCBT table. The variable information helps identify the DPRCBT rows and the DPRSEG rows involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance. The mismatch can be solved by recreating the PRCB using the MVGU RECREATE function, but using this function at this time may be extremely inconvenient.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the rows of

the DPRCBT table and the DPRSEG table involved in the error.

Module: EKYX780X

**EKYX782E NO DPRPR ROW FOUND FOR PR=*prid*
OF PRCB=*dbdname/segment***

Explanation: The content of an IMS DPROP directory table was invalid. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

During validation processing for the identified PRCB, module EKYX780X found a mismatch between the mapping tables of the IMS DPROP directory and the PRCB stored in the DPRCBT table of the IMS DPROP directory. The PRCB shows that the PR ID identified in the message is propagating the identified DBD/segment type while the DPRSEG and DPRPR tables do not show that the PR is propagating the identified DBD/segment type.

The information in the message helps identify the DPRCBT rows and the DPRSEG rows involved in the error. The PR ID identifies the missing row of the DPRPR table.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance. The mismatch can be solved by recreating the PRCB using the MVGU RECREATE function, but using this function at this time may be extremely inconvenient.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the rows of the DPRCBT table, the DPRSEG table, and the DPRPR table involved in the error.

Module: EKYX780X

**EKYX783E INVALID RPRNRPR FIELD IN RPR
SECTION FOR PR=*prid* OF
PRCB=*dbdname/segment***

Explanation: The content of an IMS DPROP directory table was invalid. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

During validation processing for the identified PRCB, module EKYX780X found that the field RPRNRPR in an RPR control block section of the PRCB was invalid. The variable information in the message helps identify the DPRCBT rows involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance. The invalid PRCB can be recreated using the MVGU RECREATE function, but using this function at this time may be extremely inconvenient.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the rows of the DPRCBT table involved in the error.

Module: EKYX780X

**EKYX784E RPRNRPR FIELD IN RPR SECTION
FOR PR=*prid* NOT POINTING TO A RPR
OF PRCB=*dbdname/segment***

Explanation: The content of an IMS DPROP directory table was invalid. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

During validation processing for the identified PRCB, module EKYX780X found that the field RPRNRPR in the RPR control block of the specified PR ID of the PRCB is invalid. The variable information in the message helps identify the DPRCBT rows involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance. The invalid PRCB can be recreated using the MVGU RECREATE function, but using this function at this time may be extremely inconvenient.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the rows of the DPRCBT table involved in the error.

Module: EKYX780X

**EKYX788E INVALID VALUE IN COLUMN=*column*
OF TABLE=DPRPR FOR PR=*prid***

Explanation: The content of an IMS DPROP directory table was invalid. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

During validation processing for the identified PR, module EKYX780X found that the identified column of the DPRPR table contained an invalid value. The variable information in the message helps identify the DPRPR row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not caused by incorrect updates of the IMS DPROP

directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the row of the DPRPR table involved in the error.

Module: EKYX780X

**EKYX789E INVALID RRHFRPR FIELD IN
PRCB=*dbdnamel*segment**

Explanation: The content of an IMS DPROT directory table was invalid. Not using the IMS DPROT utilities to update the DPROT directory table can cause this error.

During validation processing for the identified PRCB, module EKYX780X found that the field RRHFRPR of the PRCB was invalid. The information in the message helps identify the DPRCBT rows involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROT function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROT directory tables, call IBM Software Support for assistance. The invalid PRCB can be recreated using the MVGU RECREATE function, but using this function at this time may be extremely inconvenient.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the rows of the DPRCBT table involved in the error.

Module: EKYX780X

**EKYX800E INVALID CALL FUNCTION FOR
EKYX800X**

Explanation: This is an internal IMS DPROT error. Module EKYX800X was called by other IMS DPROT modules with an invalid call function.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX800X

**EKYX801E INVALID DISCARDP= SPECIFICATION
ON EKYCIAPR MACRO**

Explanation: This is an internal IMS DPROT error. An IMS DPROT module issued the internal EKYCIAPR IMS DPROT macro with an invalid DISCARDP=value.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: If possible, activate the IMS DPROT trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output. Save the dump.

Module: EKYX800X

**EKYX802E INVALID PR LIST PROVIDED TO
EKYCIAPR MACRO**

Explanation: An IMS DPROT module issued the internal EKYCIAPR IMS DPROT macro with an invalid PR list.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX800X

**EKYX803E UNEXPECTED DPRNAME/TOKEN IN
TABLE=*dprtab* FOR HUP PRCB=*prid*
READ : DPRNAME=*dpr1*
DPRTOKEN=*dprto1* EXPECTED :
DPRNAME=*dpr2* DPRTOKEN=*dprto2***

Explanation: The job step executed with an inconsistent DB2 plan, causing some DPROT modules/DBRMs to access one IMS DPROT directory and some to access another. Or, the IMS DPROT directory tables were updated incorrectly, using either utilities other than IMS DPROT utilities or the wrong DB2 plans. Module EKYX800X read a row from the IMS DPROT directory table identified in the message. During validation, EKYX800X found an unexpected value in the DPRNAME or DPRTOKEN column.

dprtab and *prid* name the IMS DPROT table being accessed and the PRID (which is part of the primary DB2 key of the accessed table and helps to identify the row that was read).

dpr2 and *dprto2* are the expected values of DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual values of DPRNAME and DPRTOKEN that were read.

Severity: Error.

System action: This depends on the type of IMS DPROT function being performed.

System programmer response: If the problem was not created by using an inconsistent DB2 plan or by incorrectly updating the IMS DPROT directory tables, call IBM Software Support for assistance.

Programmer response: Check whether the DB2 plan is consistent.

Module: EKYX800X

**EKYL804E SQL ERROR ACCESSING
TABLE=dprrab OPERATION=sqlp HUP
PRCB=prid**

Explanation: IMS DPROP found an SQL error while trying to access the IMS DPROP directory table displayed in *dprrab*. More detailed information about the SQL error is in message EKYZ360E.

sqlp and *prid* identify the type of SQL operation being performed and the PRID (which is part of the primary DB2 key of the accessed table and helps to identify the row that was being accessed).

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

Programmer response: Analyze the information provided in message EKYZ360E.

Module: EKYX800X

**EKYL805E EKYCIAPR FUNC=UPDT/VLFREFR
WITHOUT PREVIOUS FUNC=NOTE**

Explanation: This is an internal IMS DPROP error. An IMS DPROP module issued the internal EKYCIAPR IMS DPROP macro with the FUNC=UPDT or FUNC=VLFREFR value. Such macros can be issued only after invoking an EKYCIAPR FUNC=NOTE macro.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: If possible, activate the IMS DPROP trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output. Save the dump.

Module: EKYX800X

**EKYL806E ERRORS ENCOUNTERED DURING
PROCESSING OF HUP PRCB
PROCESSING HUP PRCB WITH
TABLEQUAL=qualifier AND
TABLENAME=tablename**

Explanation: Module EKYX800X encountered errors while creating or updating HUP PRCB control blocks in the DPRHCBT table. Previously issued messages describe the problem.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

User response: Check the information provided by messages issued before this one.

Module: EKYX800X

**EKYL807I HUP PRCB FOR TABLEQUAL=qualifier
TABLENAME=tablename WAS
PROCESSED ACTION
PERFORMED=action
TIMESTAMP=timestamp**

Explanation: The HUP PRCB for the displayed table qualifier and table name was processed as described by *action* (replaced, deleted, inserted or none).

timestamp is a time stamp identifying the date and time of processing. The time stamp is recorded in the DPRHCBT table and is useful for problem determination.

Severity: Information

System action: Processing continues.

Module: EKYX800X

**EKYL808I number NUMBER OF HUP PRCB(S)
SUCCESSFULLY PROCESSED**

Explanation: The displayed number of HUP PRCBs were processed successfully during the current invocation of module EKYX800X

Severity: Information

System action: Processing continues.

Module: EKYX800X

**EKYL809E ACCESS TO DPROP DIRECTORY HAS
NOT BEEN INITIALIZED**

Explanation: This is an internal IMS DPROP error. An IMS DPROP module tried to access the IMS DPROP directory, but access to the directory was not previously initialized.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: If possible, activate the IMS DPROP trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output. Save the dump.

Module: EKYX800X

**EKYL810E SQL ERROR ACCESSING
TABLE=dprrab WITH OPERATION=sqlp
PROCESSING HUP PRCB WITH
TABLEQUAL=qualifier AND
TABLENAME=tablename**

Explanation: IMS DPROP found an SQL error while trying to access the IMS DPROP directory table displayed in *dprrab*. More detailed information about the SQL error is provided in message EKYZ360E.

sqlp, *qualifier* and *tablename* identify the type of SQL

operation being performed, the table qualifier and table name (the table qualifier and table name are part of the primary DB2 key of the accessed table and help identify the row that was being accessed).

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

Programmer response: Analyze the information provided in message EKYZ360E.

Module: EKYX810X

EKYX811E SQL ERROR ACCESSING
TABLE=*dprtab* **WITH OPERATION=***sqlop*
PROCESSING HUP PRCB WITH
TABLEQUAL=*qualifier* **AND**
TABlename=*tablename*

Explanation: IMS DPROF found an SQL error while trying to access the IMS DPROF directory table displayed in *dprtab*. More detailed information about the SQL error is provided in message EKYZ360E.

sqlop, *qualifier* and *tablename* identify the type of SQL operation being performed, the table qualifier and table name (the table qualifier and table name are part of the primary DB2 key of the accessed table and help identify the row that was being accessed).

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

Programmer response: Analyze the information provided in message EKYZ360E.

Module: EKYX810X

EKYX812E SQL ERROR ACCESSING
TABLE=*dprtab* **WITH OPERATION=***sqlop*
PROCESSING HUP PRCB WITH
TABLEQUAL=*qualifier* **AND**
TABlename=*tablename*

Explanation: IMS DPROF found an SQL error while trying to access the IMS DPROF directory table displayed in *dprtab*. More detailed information about the SQL error is provided in message EKYZ360E.

sqlop, *qualifier* and *tablename* identify the type of SQL operation being performed, the table qualifier and table name (the table qualifier and table name are part of the primary DB2 key of the accessed table and help identify the row that was being accessed).

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

Programmer response: Analyze the information provided in message EKYZ360E.

Module: EKYX810X

EKYX813E UNEXPECTED LENGTH OF VARCB
COLUMN OF DPRHCBT TABLE
PROCESSING HUP PRCB WITH
TABLEQUAL=*qualifier* **AND**
TABlename=*tablename*

Explanation: Using utilities other than the IMS DPROF utilities to update IMS DPROF directory tables can cause this error.

While reading a HUP PRCB from the DPRHCBT table, module EKYX810X compared:

- The sum of the VARCB column values (over all DPRHCBT rows belonging to the same HUP PRCB), with
- The HUP PRCB size stored in the first DPRHCBT row of the HUP PRCB.

These two values were not equal.

qualifier and *tablename* are the table qualifier and table name of the HUP PRCB.

The content of the DPRHCBT table can be rebuilt from other IMS DPROF directory tables using the MVGU RECREATE function. Because the MVGU RECREATE function may not be convenient from an operational point of view, you may want to do this as a last resort.

Severity: Error.

System action: This depends on the type of IMS DPROF function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROF directory tables, call IBM Software Support for assistance.

Problem determination: Print the DPRHCBT rows of the HUP PRCB for the named table qualifier and table name.

Module: EKYX810X

EKYX814E UNEXPECTED VALUE IN TYPE
COLUMN OF DPRHCBT TABLE
PROCESSING HUP PRCB WITH
TABLEQUAL=*qualifier* **AND**
TABlename=*tablename*

Explanation: Using utilities other than the IMS DPROF utilities to update IMS DPROF directory tables can cause this error.

While reading a HUP PRCB from the DPRHCBT table, module EKYX810X found an invalid value in a TYPE column in the rows belonging to the HUP PRCB.

qualifier and *tablename* are the table qualifier and table name of the HUP PRCB.

The content of the DPRHCBT table can be rebuilt from

other IMS DPROT directory tables using the MVGU RECREATE function. Because the MVGU RECREATE function may not be convenient from an operational point of view, you may want to do this as a last resort.

Severity: Error.

System action: This depends on the type of IMS DPROT function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROT directory tables, call IBM Software Support for assistance.

Problem determination: Print the DPRHCBT rows of the HUP PRCB for the named table qualifier and table name.

Module: EKYX810X

**EKYX815E UNEXPECTED DPRNAME/TOKEN IN
TABLE=*dprtab* PROCESSING HUP
PRCB WITH TABLEQUAL=*qualifier* AND
TABLENAME=*tablename* READ :
DPRNAME=*dpr1* DPRTOKEN=*dprto1*
EXPECTED : DPRNAME=*dpr2*
DPRTOKEN=*dprto2***

Explanation: The job step executed with an inconsistent DB2 plan, causing some IMS DPROT modules/DBRMs to access one IMS DPROT directory and some to access another. Or the IMS DPROT directory tables were updated incorrectly (using utilities other than IMS DPROT utilities or using the wrong DB2 plans). Module EKYX810X read a row from the IMS DPROT directory table identified in the message. During validation, EKYX810X found an unexpected value in the DPRNAME or DPRTOKEN column.

dprtab and *prid* are the name of the IMS DPROT table being accessed and the PRID (which is part of the primary DB2 key of the accessed table, and helps to identify the row that was read).

dpr2 and *dprto2* are the expected values of DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual values of DPRNAME and DPRTOKEN that were read.

Severity: Error.

System action: This depends on the type of IMS DPROT function being performed.

System programmer response: If the problem was not created by using an inconsistent DB2 plan or by incorrectly updating the IMS DPROT directory tables, call IBM Software Support for assistance.

Programmer response: Check whether the DB2 plan is consistent.

Module: EKYX810X

**EKYX820E SQL ERROR ACCESSING
TABLE=*dprtab* OPERATION=*sqlop* HUP
PRCB=*prid***

Explanation: IMS DPROT found an SQL error while trying to access the IMS DPROT directory table displayed in *dprtab*. More detailed information about the SQL error is in message EKYZ360E.

sqlop and *prid* identify the type of SQL operation being performed and the PRID (which is part of the primary DB2 key of the accessed table and helps to identify the row that was being accessed).

Severity: Error.

System action: This depends on the type of IMS DPROT function being performed.

Programmer response: Analyze the information provided in message EKYZ360E.

Module: EKYX820X

**EKYX821E MISSING ROW IN DPRSEG TABLE FOR
PR=*prid* AND SEGMENT=*segment***

Explanation: Using utilities other than the IMS DPROT utilities to update IMS DPROT directory tables can cause this error.

While accessing the DPRSEG table of the IMS DPROT directory, module EKYX820X was unable to find a row for the PR and segment name in this message. This is an error because the DPRFLD table contains rows for the same PR and segment name.

Severity: Error.

System action: This depends on the type of IMS DPROT function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROT directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the DPRSEG and DPRFLD rows for the displayed PR and segment.

Module: EKYX820X

**EKYX822E UNEXPECTED DPRNAME/TOKEN IN
TABLE=*dprtab* PROCESSING HUP
PRCB WITH TABLEQUAL=*qualifier* AND
TABLENAME=*tablename* READ :
DPRNAME=*dpr1* DPRTOKEN=*dprto1*
EXPECTED : DPRNAME=*dpr2*
DPRTOKEN=*dprto2***

Explanation: The job step executed with an inconsistent DB2 plan, causing some IMS DPROT modules/DBRMs to access one IMS DPROT directory and some to access another). Or the IMS DPROT

directory tables were updated incorrectly (using utilities other than IMS DPROP utilities or using the wrong DB2 plans). Module EKYX820X read a row from the IMS DPROP directory table identified in the message. During validation, EKYX820X found an unexpected value in the DPRNAME or DPRTOKEN column.

dprtab, *qualifier* and *tablename* are the name of the IMS DPROP table being accessed, the table qualifier and table name (which are part of the primary DB2 key of the accessed table and, therefore, help identify the row that was read).

dpr2 and *dprto2* are the expected values of DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual values of DPRNAME and DPRTOKEN that were read.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by using an inconsistent DB2 plan or by incorrectly updating the IMS DPROP directory tables, call IBM Software Support for assistance.

Programmer response: Check whether the DB2 plan is consistent.

Module: EKYX820X

**EKYX830E INVALID VALUE DETECTED IN DPROP DIRECTORY WHILE PROCESSING
PR=*prid* TABLE=*dprtab*
COLUMN=*column***

Explanation: The content of an IMS DPROP directory table was invalid. Using utilities other than the IMS DPROP utilities to update IMS DPROP directory tables can cause this error.

During validation processing for the displayed PR, module EKYX830X found that the displayed column of the DPRPR table contained an invalid value.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the DPRPR row for the displayed PR.

Module: EKYX830X

**EKYX831E NO ROWS IN DPRSEG DIRECTORY
TABLE FOR PR=*prid***

Explanation: The content of an IMS DPROP directory table was incomplete. Using utilities other than the IMS DPROP utilities to update IMS DPROP directory tables can cause this error.

During validation processing for the displayed PR, module EKYX830X found that the PR had no rows in the DPRSEG table.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set.

Module: EKYX830X

**EKYX832E UNDEFINED REFERENCE WHILE
PROCESSING PR=*prid* TABLE=*dprtab*
COLUMN=*column* REFERS TO
UNDEFINED *reference=refname***

Explanation: The content of an IMS DPROP directory table was incomplete. Using utilities other than the IMS DPROP utilities to update IMS DPROP directory tables can cause this error.

During validation processing for the displayed PR, module EKYX830X found that a column of a directory table refers to an undefined name.

The message displays the PR, the directory table and the column containing the undefined reference. The *reference* can be either **FIELD** or **SEGMENT**, and *refname* displays the field name or the segment name, respectively.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the mapping table rows of the PR involved in the error.

Module: EKYX830X

EKYL833E INVALID VALUE DETECTED IN DPROP
DIRECTORY WHILE PROCESSING
PR=*prid* TABLE=*dprtab*
COLUMN=*column* FIELD=*field*

Explanation: The content of an IMS DPROP directory table was invalid. Using utilities other than the IMS DPROP utilities to update IMS DPROP directory tables can cause this error.

During validation processing for the displayed PR, module EKYX830X found that the displayed column of the displayed table contained an invalid value.

The message displays the PR, the directory table, the column in error and the field name; this information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the row of the IMS DPROP directory table involved in the error.

Module: EKYX830X

EKYL834E NON-SUPPORTED FIELD
CONVERSION REQUESTED BY PR=*prid*
TABLE=*dprtab* FIELD=*field*

Explanation: The content of an IMS DPROP directory table was invalid. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

During validation processing for the identified PR, module EKYX830X found a DPRFLD row describing a format conversion that IMS DPROP does not support. The variable information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the row of the DPRFLD table involved in the error.

Module: EKYX830X

EKYL835E PR=*name* CONTAINS A LENGTH OR
START/OCCURS/NEXT FIELD WHICH
IS EITHER NON-NUMERIC OR HAS A
SCALE VALUE TABLE=*dprtab*
FIELD=*field*

Explanation: The content of an IMS DPROP directory table was invalid. Using utilities other than the IMS DPROP utilities to update IMS DPROP directory tables can cause this error.

During validation processing for the displayed PR, module EKYX830X found that the displayed field, which either is a length field, or is referenced as absolute value for the START, OCCURS or NEXT specifications of an internal segment, had invalid definitions (for example, the length field was not defined as numeric or had a nonzero scale value).

The message displays the PR and the field name; this information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the row of the DPRFLD table involved in the error.

Module: EKYX830X

EKYL836E PR=*prid* CONTAINS A KEY OR SUBKEY
FIELD WITH AN INVALID
SPECIFICATION TABLE=*dprtab*
FIELD=*field* IS NOT COMPATIBLE WITH
THE KEY DEFINITIONS IN
SEGMENT=*segment*

Explanation: The content of an IMS DPROP directory table was invalid. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

During validation processing for the displayed PR, module EKYX830X found that the POSITION and/or BYTES columns of the displayed table contained an unexpected value (the value in these columns conflicted with the values in the KEYLENG or SEGOFFS columns of the DPRSEG row).

The message displays the PR, field name and segment name; this information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was

not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the row of the DPRFLD table involved in the error. Print also the DPRSEG row of the segment type that contains the field.

Module: EKYX830X

EKYX837E PR=*prid* CONTAINS A FIELD WHICH IS NOT TOTALLY CONTAINED IN ITS SEGMENT TABLE=*dprtab* FIELD=*field* CANNOT BE COMPLETELY PLACED IN SEGMENT=*segment*

Explanation: The content of an IMS DPROP directory table was invalid. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

During validation processing for the displayed PR, module EKYX760X found that the displayed field was not totally contained within its segment.

The message displays the PR, field name and segment name; this information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the row of the displayed directory table involved in the error. Print also the DPRSEG row of the segment type that contains the field.

Module: EKYX830X

EKYX840E HUP PRCB FOR TABLEQUAL=*qualifier* TABLENAME=*tablename* CONTAINS AN INVALID HPR ANCHOR OR CHAIN POINTER

Explanation: The content of an IMS DPROP directory table was invalid. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

During validation processing for the identified HUP PRCB, module EKYX840X find that an anchor or chain pointer within the HUP PRCB is invalid. The variable information helps identify the DPRHCBT rows involved in the error.

The message displays the PR, field name and segment name; this information helps identify the row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROP function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance. The invalid HUP PRCB can be rebuilt using the MVGU RECREATE function. Because the MVGU RECREATE function may not be operationally convenient, you may want to do this as a last resort.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the rows of the DPRHCBT table involved in the error.

Module: EKYX840X

EKYX841E PR=*prid* IN HUP PRCB FOR TABLEQUAL=*qualifier* TABLENAME=*tablename* HAS NO CORRESPONDING ROW IN DPRPR TABLE

Explanation: The content of an IMS DPROP directory table was invalid. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

During validation processing for the identified HUP PRCB, module EKYX840X found a mismatch between the mapping tables of the IMS DPROP directory and the HUP PRCB stored in the DPRHCBT table of the IMS DPROP directory. The number of PRs that propagate the identified table according to the DPRTAB table and DPRPR table does not match the number of HPR control block sections in the DPRHCBT table.

The information in the message helps identify the DPRHCBT rows and the DPRTAB rows involved in the error. The *prid* identifies the missing row of the DPRPR table.

Severity: Error.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance. The invalid HUP PRCB can be rebuilt using the MVGU RECREATE function. Because the MVGU RECREATE function may not be operationally convenient, you may want to do this as a last resort.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the rows of the DPRHCBT, DPRTAB and DPRPR table involved in the error.

Module: EKYX840X

EKYX842E DIRECTORY TABLE DPRPR CONTAINS AN INVALID VALUE IN COLUMN=*column* FOR PR=*prid*

Explanation: The content of an IMS DPROP directory

table was invalid. Not using the IMS DPROT utilities to update the DPROT directory table can cause this error.

During validation processing for the identified PR, module EKYX840X found that the identified column of the DPRPR table contained an invalid value. The variable information in the message helps identify the DPRPR row involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROT function being performed.

System programmer response: If the problem was not caused by incorrect updates of the IMS DPROT directory tables, call IBM Software Support for assistance.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the row of the DPRPR table involved in the error.

Module: EKYX840X

**EKYX843E THE NUMBER OF PRS IN THE HUP
PRCB FOR TABLEQUAL=*qualifier*
TABLENAME=*tablename* DOES NOT
MATCH THE NUMBER OF PRS IN THE
DPRPR TABLE**

Explanation: The content of an IMS DPROT directory table was invalid. Not using the IMS DPROT utilities to update the DPROT directory table can cause this error.

During validation processing for the identified HUP PRCB, module EKYX840X found a mismatch between the mapping tables of the IMS DPROT directory and the HUP PRCB stored in the DPRHCBT table of the IMS DPROT directory. The number of PRs that propagate the identified table according to the DPRTAB table and DPRPR table does not match the number of internal control block sections in the DPRHCBT table. The variable information helps identify the DPRHCBT rows and the DPRTAB rows involved in the error.

Severity: Error.

System action: This depends on the type of IMS DPROT function being performed.

System programmer response: If the problem was not created by incorrect updates of the IMS DPROT directory tables, call IBM Software Support for assistance. The invalid HUP PRCB can be rebuilt using the MVGU RECREATE function. Because the MVGU RECREATE function may not be operationally convenient, you may want to do this as a last resort.

Problem determination: Save the trace records created on the //EKYTRACE data set. Print the rows of the DPRHCBT table and the DPRTAB table involved in the error.

Module: EKYX840X

**EKYX850E ACCESS TO DPROT DIRECTORY HAS
NOT BEEN INITIALIZED**

Explanation: This is an internal IMS DPROT error. An IMS DPROT module tried to access the DPROT directory, but access to the directory was not previously initialized.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: If possible, activate the IMS DPROT trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output. Save the dump.

Module: EKYX850X

**EKYX851E INVALID HUP PRCB IN VLF
TABLEQUAL=*qualifier*
TABLENAME=*tablename***

Explanation: Software other than DPROT software was used to store VLF objects in a VLF class reserved for DPROT.

Module EKYX850X read from VLF the HUP PRCB of the identified table. During validation, EKYX850X found that the object read from VLF did not look like a HUP PRCB.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether software other than IMS DPROT software erroneously created VLF objects in the VLF class reserved for IMS DPROT. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX850X

**EKYX852E INVALID DPRNAME/TOKEN IN VLF
COPY OF HUP PRCB PROCESSING
HUP PRCB WITH TABLEQUAL=*qualifier*
AND TABLENAME=*tablename* READ :
DPRNAME=*dpr1* DPRTOKEN=*dprto1*
EXPECTED : DPRNAME=*dpr2*
DPRTOKEN=*dprto2***

Explanation: Software other than DPROT software was used to store VLF objects in a VLF class reserved for DPROT.

Module EKYX850X read from VLF the HUP PRCB of the identified table. During validation, EKYX850X found unexpected values in the DPRNAME and DPRTOKEN fields located in the HUP PRCB.

dpr2 and *dprto2* are the expected values of DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual values

of DPRNAME and DPRTOKEN in the HUP PRCB read from VLF.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether software other than IMS DPROT software erroneously created VLF objects in the VLF class reserved for IMS DPROT. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX850X

EKYX854E UNEXPECTED DPROT LEVEL IN VLF COPY OF HUP PRCB
TABLEQUAL=*qualifier*
TABlename=*tablename* **DPROT**
LEVEL=*dprlvl*

Explanation: Combining IMS DPROT modules of different software levels for the same IMS DPROT system can cause this error. Module EKYX850X read from VLF the HUP PRCB of the identified table. During validation, EKYX850X found an unexpected value in the field of the HUP PRCB containing the IMS DPROT software level of the module that created the HUP PRCB.

dprlvl is the IMS DPROT software level of the IMS DPROT module that created the HUP PRCB. This software level is not compatible with the software level of EKYX850X. The software level of EKYX850X is in the CSECT SAVEID of module EKYX850X in the dump.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: If you did not erroneously combine IMS DPROT modules of incompatible IMS DPROT software levels, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX850X

EKYX855E UNEXPECTED TABLEQUAL/
TABlename IN VLF COPY OF HUP
PRCB READ : TABLEQUAL=*qualifier1*
TABlename=*tablename1* **EXPECTED :**
TABLEQUAL=*qualifier2*
TABlename=*tablename2*

Explanation: Software other than DPROT software was used to store VLF objects in a VLF class reserved for DPROT.

Module EKYX850X read from VLF the HUP PRCB of the table identified in the message. During validation, EKYX850X found an unexpected table qualifier or table name in the HUP PRCB that was read.

qualifier2 and *tablename2* are the expected table qualifier and table name. *qualifier1* and *tablename1* are the table qualifier and table name in the HUP PRCB read from VLF.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether software other than IMS DPROT software erroneously created VLF objects in the VLF class reserved for IMS DPROT. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX850X

EKYX856E HUB PRCB SIZE INDICATED IN
HEADER DOES NOT MATCH SIZE OF
VLF OBJECT TABLEQUAL=*qualifier*
TABlename=*tablename* **SIZE IN**
HEADER=*prcbs* **VLF OBJECT**
SIZE=*vlfbjbs*

Explanation: Software other than IMS DPROT software was used to store VLF objects in a VLF class reserved for IMS DPROT. Module EKYX850X read from VLF the HUP PRCB of the identified table. During validation, EKYX850X found an unexpected value in the header of the HUP PRCB that was read.

prcbs and *vlfbjbs* are the value in the header of the HUP PRCB and the object size of the HUP PRCB.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine whether software other than IMS DPROT software erroneously created VLF objects in the VLF class reserved for IMS DPROT. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX850X

EKYX857E DPROT INTERNAL ERROR - INVALID
LENGTH IN PTDCIARL

Explanation: This is an internal IMS DPROT error. When called to read a HUP PRCB, module EKYX850X found an invalid value in the PTDCIARL field.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX850X

**EKYL860E INVALID DPRNAME/TOKEN IN
DPRHCBT ROW PROCESSING HUP
PRCB WITH TABLEQUAL=*qualifier* AND
TABLENAME=*tablename* READ :
DPRNAME=*dpr1* DPRTOKEN=*dprto1*
EXPECTED : DPRNAME=*dpr2*
DPRTOKEN=*dprto2***

Explanation: The job step executed with an inconsistent DB2 plan, causing some IMS DPROP modules/DBRMs to access one IMS DPROP directory and some to access another. Or, the IMS DPROP directory tables were updated incorrectly (using utilities other than IMS DPROP utilities or using the wrong DB2 plans).

Module EKYX860X read a HUP PRCB from the DPRHCBT table. During validation, EKYX860X found an unexpected value in the DPRNAME or DPRTOKEN columns.

dpr2 and *dprto2* are the expected values of DPRNAME and DPRTOKEN. *dpr1* and *dprto1* are the actual values of DPRNAME and DPRTOKEN that were read.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If the problem was not created by using an inconsistent DB2 plan or by incorrectly updating the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX860X

**EKYL861E INCONSISTENT TIMESTAMPS IN
DPRHCBT ROWS PROCESSING IN
DPROP=*dpr* HUP PRCB WITH
TABLEQUAL=*qualifier* AND
TABLENAME=*tablename***

Explanation: Using utilities other than the IMS DPROP utilities to update IMS DPROP directory tables can cause this problem.

While reading a HUP PRCB from the DPRHCBT table, module EKYX860X found that all rows of the PRCB did not have the same time stamp.

dpr, *qualifier*, and *tablename* are the name of the IMS DPROP system, the table qualifier of the HUP PRCB and the table name of the HUP PRCB.

The content of the DPRHCBT table can be rebuilt from other IMS DPROP directory tables using the MVGU RECREATE function. Because the MVGU RECREATE function may not be operationally convenient, you may want to do this as a last resort.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If the problem was

not created through incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the dump. Print the DPRHCBT rows of the HUP PRCB for the named table qualifier and table name.

Module: EKYX860X

**EKYL862E HUB PRCB SIZE INDICATED IN
HEADER DOES NOT MATCH SUM OF
VARCB COLUMN LENGTH
PROCESSING IN DPROP=*dpr* HUP
PRCB WITH TABLEQUAL=*qualifier* AND
TABLENAME=*tablename***

Explanation: Using utilities other than the IMS DPROP utilities to update IMS DPROP directory tables can cause this error.

While reading a HUP PRCB from the DPRHCBT table, module EKYX860X compared:

- The sum of the VARCB column values (over all DPRHCBT rows belonging to the same HUP PRCB) with
- The HUP PRCB size as stored in the first DPRHCBT row of the HUP PRCB.

These two values were not equal.

dpr, *qualifier*, and *tablename* are the name of the IMS DPROP system, the table qualifier of the HUP PRCB and the table name of the HUP PRCB.

The content of the DPRHCBT table can be rebuilt from the other IMS DPROP directory tables using the MVGU RECREATE function. Because the MVGU RECREATE function may not be operationally convenient, you may want to do this as a last resort.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If the problem was not created through incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the dump. Print the content of the DPRHCBT rows of the HUP PRCB for the named table qualifier and table name.

Module: EKYX860X

**EKYL863E INVALID VALUE IN TYPE COLUMN OF
DPRHCBT TABLE PROCESSING IN
DPROP=*dpr* HUP PRCB WITH
TABLEQUAL=*qualifier* AND
TABLENAME=*tablename***

Explanation: Using utilities other than the IMS

DPROP utilities to update IMS DPROP directory tables can cause this error.

While reading a HUP PRCB from the DPRCBT table, module EKYX860X found an invalid value in a TYPE column in the rows belonging to the HUP PRCB.

dpr, *qualifier*, and *tablename* are the name of the IMS DPROP system, the table qualifier of the HUP PRCB and the table name of the HUP PRCB.

The content of the DPRHCBT table can be rebuilt from the other IMS DPROP directory tables using the MVGU RECREATE function. Because the MVGU RECREATE function may not be operationally convenient, you may want to do this as a last resort.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If the problem was not created through incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the dump. Print the content of the DPRHCBT rows of the HUP PRCB for the named table qualifier and table name.

Module: EKYX860X

**EKYX864E EXPECTED ROWS NOT FOUND IN
DPRHCBT DIRECTORY TABLE
PROCESSING IN DPROP=*dpr* HUP
PRCB WITH TABLEQUAL=*qualifier* AND
TABLENAME=*tablename***

Explanation: Using utilities other than the IMS DPROP utilities to update IMS DPROP directory tables can cause this error.

While reading a HUP PRCB from the DPRCBT table, module EKYX860X found rows missing in the DPRHCBT table.

dpr, *qualifier*, and *tablename* are the name of the IMS DPROP system, the table qualifier of the HUP PRCB and the table name of the HUP PRCB.

The content of the DPRHCBT table can be rebuilt from the other IMS DPROP directory tables using the MVGU RECREATE function. Because the MVGU RECREATE function may not be operationally convenient, you may want to do this as a last resort.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If the problem was not created through incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the dump. Print the content of the DPRHCBT rows of the HUP PRCB for the named table qualifier and table name.

Module: EKYX860X

**EKYX865E UNEXPECTED LENGTH OF VARCB
COLUMN OF DPRHCBT TABLE
PROCESSING IN DPROP=*dpr* HUP
PRCB WITH TABLEQUAL=*qualifier* AND
TABLENAME=*tablename***

Explanation: Using utilities other than the IMS DPROP utilities to update IMS DPROP directory tables can cause this error.

While reading a HUP PRCB from the DPRCBT table, module EKYX860X found an unexpected value for the length of a VARCB column in the DPRHCBT table.

dpr, *qualifier*, and *tablename* are the name of the IMS DPROP system, the table qualifier of the HUP PRCB and the table name of the HUP PRCB.

The content of the DPRHCBT table can be rebuilt from the other IMS DPROP directory tables using the MVGU RECREATE function. Because the MVGU RECREATE function may not be operationally convenient, you may want to do this as a last resort.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If the problem was not created through incorrect updates of the IMS DPROP directory tables, call IBM Software Support for assistance.

Problem determination: Save the dump. Print the content of the DPRHCBT rows of the HUP PRCB for the named table qualifier and table name.

Module: EKYX860X

**EKYX866E DPROP INTERNAL ERROR - INVALID
TABLENAME PASSED PROCESSING IN
DPROP=*dpr* HUP PRCB WITH
TABLEQUAL=*qualifier* AND
TABLENAME=*tablename***

Explanation: Module EKYX860X was called to read a HUP PRCB, but the table name passed is invalid.

dpr, *qualifier*, and *tablename* are the name of the IMS DPROP system, the table qualifier of the HUP PRCB and the table name of the HUP PRCB.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX860X

EKYL867E *module* DETECTED AN SQL ERROR
WHILE READING DPRHCBT
DIRECTORY TABLE PROCESSING IN
DPROP=*dpr* HUP PRCB WITH
TABLEQUAL=*qualifier* AND
TABLENAME=*tablename*
SQLCODE=*sqlcode*

Explanation: The identified module tried to read a row from the DPRHCBT table. The SQL statement returned with error indications and the identified SQL error code. Information about the SQL error is provided in message EKYZ360E.

The identified table qualifier and table name are part of the primary DB2 key of the DPRHCBT row that could not be read.

Severity: Error.

System action: Further processing depends on which IMS DPROP function is being performed.

Problem determination: See the information in message EKYZ360E.

Module: Various modules that are generated during DPROPGEN.

EKYL868E *module* SHOULD READ DPRHCBT
TABLE OF DPROP SYSTEM=*dpr1*
HOWEVER THE DPROP SYSTEM
NAME=*dpr2*

Explanation: The identified module was generated during DPROPGEN to read a DPRHCBT row of the *dprname1* system. However, the module was called to read DPRHCBT rows of the *dprname2* system. A possible reason for this problem is an incorrect link-edit of the load module EKYG000X.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: If module EKYG000X was correctly link-edited, call IBM Software Support for assistance.

Problem determination: Save the dump

Module: Various modules that are generated during DPROPGEN.

EKYL880E ACCESS TO DPROP DIRECTORY HAS
NOT BEEN INITIALIZED

Explanation: This is an internal IMS DPROP error. An IMS DPROP module tried to access the IMS DPROP directory, but access to the directory was not previously initialized.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: If possible, activate the IMS DPROP trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output. Save the dump.

Module: EKYX860X

EKYL900E INTERNAL ERROR: ACCESS TO
DPROP DIRECTORY NOT INITIALIZED

Explanation: This is an internal IMS DPROP error. An IMS DPROP module called the COMMIT/ROLLBACK function of the IMS DPROP CIA (control information access) component, but access to the directory was not previously initialized.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: If possible, activate the IMS DPROP trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output. Save the dump.

Module: EKYX900X

EKYL901E INTERNAL ERROR: UNSUPPORTED
ENVIRONMENT FOR EKYCOMIT

Explanation: This is an internal IMS DPROP error. An IMS DPROP module called the COMMIT/ROLLBACK function of the IMS DPROP CIA (control information access) component in an unsupported environment (for example, in an IMS Attach environment).

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: If possible, activate the IMS DPROP trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output. Save the dump.

Module: EKYX900X

EKYL902E SQL ERROR DURING SQL UPDATE OF
DPRMASTER TABLE

Explanation: The COMMIT/ROLLBACK function of IMS DPROP was unable to update the DPRMASTER table. Information about the SQL error is provided in message EKYZ360E.

Severity: Error.

System action: Further processing depends on which IMS DPROP function is being performed.

Problem determination: See the information in message EKYZ360E.

Module: EKYX900X

EKYX903E SQL ERROR DURING 'SQL COMMIT' PROCESSING

Explanation: An SQL COMMIT issued by IMS DPROF failed. Information about the SQL error is provided in message EKYZ360E.

Severity: Error.

System action: Further processing depends on which IMS DPROF function is being performed.

Problem determination: See the information in message EKYZ360E.

Module: EKYX900X

EKYX904E SQL ERROR DURING 'SQL ROLLBACK' PROCESSING

Explanation: An SQL ROLLBACK issued by IMS DPROF failed. Information about the SQL error is provided in message EKYZ360E.

Severity: Error.

System action: Further processing depends on which IMS DPROF function is being performed.

Problem determination: See the information in message EKYZ360E.

Module: EKYX900X

EKYX905E INTERNAL ERROR: INVALID FUNCTION CODE

Explanation: This is an internal IMS DPROF error. Module EKYX900X was called by other IMS DPROF modules with an invalid call function.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX900X

EKYX990E *module* SHOULD READ DPRMASTER TABLE OF DPROF SYSTEM=*dpr1*. HOWEVER THE DPROF SYSTEM NAME IS =*dpr2*

Explanation: The identified module was generated during DPROFGEN to read the DPRMASTER row of the *dprname1* system. However, the module was called to read the DPRMASTER row of the *dprname2* system. A possible reason for this problem is an incorrect link-edit of the load module EKYG000X.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: If module EKYG000X was correctly link-edited, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: Various modules that are generated during DPROFGEN.

EKYX991E *module* SHOULD READ DPRCBT TABLE OF IMS DPROF SYSTEM=*dpr1*. HOWEVER THE DPROF SYSTEM NAME IS =*dpr2*

Explanation: The identified module was generated during DPROFGEN to read a DPRCBT row of the *dprname1* system. However, the module was called to read DPRCBT rows of the *dprname2* system. A possible reason for this problem is an incorrect link-edit of the load module EKYG000X.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: If module EKYG000X was correctly link-edited, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: Various modules that are generated during DPROFGEN.

EKYX995E *module* DETECTED A VLF STORAGE SHORTAGE VLF CLASS=*class*, VLF RETURN CODE=*returncode*, VLF REASON CODE=*reasoncode*

Explanation: The identified module attempted to store an IMS DPROF object into the VLF class *class*. The VLF COFCREAT macro returned the identified return code and reason code, which indicate that there was not enough storage available to store the IMS DPROF object into VLF.

Severity: Error.

System action: IMS DPROF continues its operations. The performance of data propagation may suffer.

System programmer response: Determine whether the VLF class was defined in the COFVLFxx member of SYS1.PARMLIB with a sufficiently large MAXVIRT value. The SCU DISPLAY statement can be used to determine the approximate amount of storage for the VLF class used by the IMS DPROF system.

Module: Various IMS DPROF modules.

EKYL996E *module* DETECTED AN SQL ERROR
WHILE READING DPRCBT
DBNAME=*dbdname* SEGNAME=*segment*
SQLCODE=*sqlcode*

Explanation: The identified module tried to read a row from the DPRCBT table. The SQL statement returned with error indications and the identified SQL error code. Information about the SQL error is provided in message EKYZ360E. The identified DB name and segment name are part of the primary DB2 key of the DPRCBT row that could not be read.

Severity: Error.

System action: Further processing depends on which IMS DPROP function is being performed.

Problem determination: See the information in message EKYZ360E.

Module: Various modules that are generated during DPROPGEN.

EKYL997E *module* DETECTED AN SQL ERROR
WHILE READING DPRMASTER
SQLCODE=*sqlcode*

Explanation: The identified module tried to read a row of the DPRMASTER table. The SQL statement returned with error indications and the identified SQL error code. Information about the SQL error is provided in message EKYZ360E.

Severity: Error.

System action: Further processing depends on which IMS DPROP function is being performed.

Problem determination: See the information in message EKYZ360E.

Module: Various modules that are generated during DPROPGEN.

EKYL998E UNEXPECTED VLF ERROR,
CSECT=*csect* VLF CLASS=*class*, VLF
MINOR NAME=*mname* VLF
MACRO=*macro*, VLF RETURN
CODE=*returncode*, VLF REASON
CODE=*rsn*

Explanation: The identified CSECT encountered an unexpected VLF-related error. The message gives the name of the failing VLF macro, and the return code and reason code returned by that macro. The message also displays the name of the VLF class and (if applicable) the minor name of the VLF object involved in the failing operation.

Severity: Error.

System action: IMS DPROP continues its processing without using VLF. The performance of synchronous data propagation may suffer.

System programmer response: Determine the cause of the VLF-related problem and resolve the problem. If necessary, call IBM Software Support for assistance.

Problem determination: For a description of the return codes and reason codes returned by the failing VLF macro, see OS/390 MVS Application Development Macro Reference.

Module: Various modules.

EKYL999E VLF CANNOT BE USED BY DPROP,
VLF CLASS=*class* VLF MACRO=*macro*,
VLF RETURN CODE=*returncode*, VLF
REASON CODE=*reasoncode*

Explanation: IMS DPROP found that the identified VLF class cannot be used. The message displays the name of the failing VLF macro, the return code, and reason code returned by that macro.

Severity: Error.

System action: IMS DPROP continues its processing without using VLF. The performance of synchronous data propagation may suffer.

System programmer response: Determine the cause of the VLF-related problem and resolve the problem.

Problem determination: For a description of the return codes and reason codes returned by the failing VLF macro, see OS/390 MVS Application Development Macro Reference.

Module: Various modules.

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EKYY000E //EKYRESLB CANNOT BE OPENED

Explanation: The IMS DPROF SVC could not open the APF-authorized load library containing the IMS DPROF load module running in SVC mode. This APF-authorized load library is either allocated through an //EKYRESLB DD statement or is allocated dynamically by IMS DPROF based on DPROFGEN specifications.

Severity: Error.

System action: IMS DPROF issues an abend.

Problem determination: Check for other messages issued by the failing job step that describe the reason for the open failure.

Module: EKYSVC00.

EKYY001E EKYY011X-ANCHOR-POINT MODULE IS NOT IN PROTECTED STORAGE

Explanation: The load module EKYY011X is used by IMS DPROF SVC service functions to anchor the address of protected control blocks and must be loaded into protected storage. Module EKYSVC00 found that EKYY011X was not loaded into protected storage. One possible explanation for this problem is that EKYY011X was not link-edited with the RENT linkage editor attribute.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Check whether the load module EKYY011X has the RENT linkage editor attribute. If it does not, link-edit the module with the linkage editor attribute RENT. If the module does have the RENT attribute, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYSVC00

EKYY002E PROTECTED PTD IS NOT IN PROTECTED STORAGE

Explanation: IMS DPROF SVC mode service functions operate with a protected PTD control block that must be located in protected storage. Module EKYSVC00 found that the PTD was not in protected storage.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYSVC00

EKYY003E EKYY011X-ANCHOR-POINT MODULE HAS NOT BEEN INITIALIZED

Explanation: The IMS DPROF SVC module EKYSVC00 was called to process an SVC request before initialization of the IMS DPROF SVC services. This is probably an IMS DPROF internal error.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Call IBM Software Support for assistance

Problem determination: If possible, activate the IMS DPROF trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output. Save the dump.

Module: EKYSVC00

EKYY004E INVALID CONTENT IN PROTECTED PTD

Explanation: The IMS DPROF SVC module EKYSVC00 found invalid data at the virtual storage location that should contain the PTD control block. This is probably either an IMS DPROF internal error or a storage overlay.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Check if virtual storage was overlaid by non-IBM programs. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYSVC00

EKYY005E SVC PARAMETER BLOCK NOT ACCESSIBLE

Explanation: The IMS DPROF SVC module EKYSVC00 checks at its entry whether register 1 points to an IMS DPROF SVR control block accessible by the SVC caller. While performing these checks, EKYSVC00 found that the area pointed to by register 1 cannot be read and updated by the SVC caller. This is probably a user error. For example, a program is issuing an SVC call with the wrong SVC call number.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Check whether the SVC call number reserved for IMS DPROF is being

used for other purposes. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYSVC00

EKYY006E INVALID CONTENT IN AREA POINTED TO BY R1

Explanation: The IMS DPROP SVC module EKYSVC00 checks at its entry whether register 1 points to an IMS DPROP SVR control block. While performing these checks, EKYSVC00 found that the area pointed to by register 1 was not an IMS DPROP SVR control block. This is probably a user error. For example, a program is issuing an SVC call with the wrong SVC call number. This error message can also be triggered by a storage overlay.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Check if the SVC call number reserved for IMS DPROP is being used for other purposes, or if the problem was caused by a non-IBM program overlaying virtual storage. If this is not the case, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYSVC00

EKYY007E PROTECTED PAD IS NOT IN PROTECTED STORAGE

Explanation: IMS DPROP SVC mode service functions operate with a protected propagation address space directory (PAD) control block that must be located in protected storage. Module EKYSVC00 found that the PAD was not in protected storage.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYSVC00

EKYY008E EKYY010X MODULE IS NOT IN PROTECTED STORAGE

Explanation: The load module EKYY010X is used for SVC mode service functions and must be loaded in protected storage. Module EKYSVC00 found that EKYY010X was not loaded into protected storage. One possible explanation is that EKYY010X was not link-edited with the RENT linkage editor attribute.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Check whether the load module EKYY010X has the RENT linkage editor attribute. If it does not, link-edit the module with the linkage editor attribute RENT. If the load module has the RENT attribute, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYSVC00

EKYY009E INVALID CONTENT IN PROTECTED PAD

Explanation: The IMS DPROP SVC module EKYSVC00 found invalid data at the virtual storage location that should contain the PAD control block. This is probably either an IMS DPROP internal error or a storage overlay.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Check if virtual storage was overlaid by non-IBM programs. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYSVC00

EKYY011E DPROP SVR CONTROL BLOCK NOT IN USER STORAGE

Explanation: This is an internal IMS DPROP error. The IMS DPROP SVR control block used in the IMS DPROP SVC was not located in storage addressable by the SVC caller.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYY010X

EKYY012E DPROP PTD CONTROL BLOCK NOT IN USER STORAGE

Explanation: This is an internal IMS DPROP error. The IMS DPROP PTD control block used in the IMS DPROP SVC was not located in storage addressable by the SVC caller.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYY010X

EKYY013E INVALID CONTENT IN DPROP PTD CONTROL BLOCK

Explanation: This is an internal IMS DPROP error. The IMS DPROP PTD control block used in the IMS DPROP SVC had invalid content.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYY010X

EKYY014E INVALID FUNCTION CODE FOR DPROP SVC ROUTINE

Explanation: This is an internal IMS DPROP error. The function code provided by IMS DPROP modules for the IMS DPROP SVC was invalid.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYY010X

EKYY015E INVALID SUBFUNCTION CODE FOR DPROP SVC ROUTINE

Explanation: This is an internal IMS DPROP error. The subfunction code provided by IMS DPROP modules for the IMS DPROP SVC was invalid.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYY010X

EKYY016E STORAGE AREA NOT IN USER STORAGE

Explanation: This is an internal IMS DPROP error. A storage area used in the IMS DPROP SVC was not located in storage addressable by the SVC caller.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYY010X

EKYY017E INVALID LENGTH FOR AREA USED IN DPROP SVC CALL

Explanation: This is an internal IMS DPROP error. The length of a storage area used in the IMS DPROP SVC is invalid.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYY010X

**EKYY018E DPRNAME/TOKEN IN PROTECTED PTD AND SVR DO NOT MATCH PTD :
DPRNAME=*dpr1* DPRTOKEN=*dprto1*
SVR : DPRNAME=*dpr2*
DPRTOKEN=*dprto2***

Explanation: This is an internal IMS DPROP error. The IMS DPROP module EKYY010X found that the fields DPRNAME and DPRTOKEN in the protected PTD control block and in the protected SVR control block do not match.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYY010X

EKYY019E STORAGE AREA NOT IN USER STORAGE

Explanation: This is an internal IMS DPROP error. A storage area used in the IMS DPROP SVC is not located in storage addressable by the SVC caller.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYY010X

EKYY300E MODULE xxxxxxxx IS NOT IN PROTECTED STORAGE

Explanation: The IMS DPROP module xxxxxxxx, which is used in SVC mode, was not loaded into protected storage. It may not have been link-edited with the RENT linkage editor attribute.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Check whether the module has the linkage editor attribute RENT. If it does not, link the module with the linkage editor attribute RENT. If the module does have the RENT attribute, call IBM Software Support for assistance.

Module: EKYY002X

EKYY301E MODULE EKYY011X SHOULD BE LINKED AS REENTRANT

Explanation: The IMS DPROT module EKYY011X was not link-edited with the RENT linkage editor attribute.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Check whether module EKYY011X has the linkage editor attribute RENT. If it does not, link-edit the module with the linkage editor attribute RENT. If the module does have the RENT attribute, call IBM Software Support for assistance.

Module: EKYY002X

EKYY302E EKYY002X AND SVC CALLER NOT AT SAME LEVEL

Explanation: The SVC-mode EKYY002X IMS DPROT module checks whether the IMS DPROT SVR control block provided by the SVC caller was created by an IMS DPROT module with the IMS DPROT version and release modification level that is compatible with EKYY002X. The check was negative.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Determine why the IMS DPROT version, release, and modification levels of EKYY002X and the SVC caller are incompatible.

Module: EKYY002X

EKYY303W PROTECTED ANCHOR-POINT MODULE EKYY011X IS ALREADY INITIALIZED

Explanation: The EKYY002X IMS DPROT module that initializes the IMS DPROT SVC service functions found that the anchor point module EKYY011X is already initialized.

Severity: Warning

System action: IMS DPROT will attempt to continue.

System programmer response: Report the error message to the IBM Software Support.

Problem determination: If possible, activate the IMS

DPROT trace with a trace level of DEBUG=31, rerun the jobstep, and save the trace output.

Module: EKYY002X

EKYY304E PTD NOT IN USER STORAGE

Explanation: The SVC-mode EKYY002X IMS DPROT module checks whether the PTD control block used by the SVC caller was loaded into storage belonging to the SVC caller. The check was negative.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Save the dump, and call IBM Software Support for assistance.

Module: EKYY002X

EKYY305E PAD NOT IN USER STORAGE

Explanation: The SVC-mode EKYY002X IMS DPROT module checks whether the PAD control block used by the SVC caller was loaded into storage belonging to the SVC caller. The check was negative.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Save the dump, and call IBM Software Support for assistance.

Module: EKYY002X

EKYY306E UNEXPECTED DATA IN COMPOSITE DPROT MODULE

Explanation: The SVC-mode EKYY002X IMS DPROT module found invalid values in the CSECT SAVEID located at the entry point of the composite IMS DPROT modules.

Severity: Error.

System action: IMS DPROT issues an abend.

System programmer response: Check whether the composite IMS DPROT modules EKYZ100X, EKYZ101X, EKYZ110X, EKYZ111X, EKYZ120X and EKYZ121X were link-edited with correct ENTRY statements. If they were not, link-edit the modules with the correct ENTRY statements. If the modules were link-edited correctly, call IBM Software Support for assistance.

Module: EKYY002X

Chapter 25. IMS DPROP services messages (EKYZ)

EKYZM20E INTERNAL ERROR: CALL FUNCTION NOT SUPPORTED BY MODULE EKYZM20X

Explanation: The internal DPROP module EKYZM20X received control to process an MQSeries call that it does not support.

Severity: Error.

System action: Processing terminates.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EDYZM20X

EKYZM88I DESCRIPTION OF LAST MQSERIES CALL FOLLOWS: QMGR=QMGR, QUEUE=QUEUE MQ, CALL,' RC=RC, RSNC=RSNC, TXT

Explanation:

Severity: Error.

System action: Processing terminates.

Module: Various IMS DPROP modules.

EKYZM89E DPROP ENCOUNTERED A PROBLEM WHILE TRYING TO USE MQSERIES, QMGR=QMGR, QUEUE=QUEUE MQ, CALL,' RC=RC, RSNC=RSNC, TXT

Explanation:

Severity: Error.

System action: Processing terminates.

Module: Various IMS DPROP modules.

EKYZM90E INTERNAL ERROR - UNSUPPORTED MQSERIES CALL

Explanation: The internal DPROP module EKYZM90X received control for an MQSeries call that is either not supported or not supported for the present environment.

Severity: Error.

System action: DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the

| //EKYTRACE data set. Save the dump.

| **Module:** EKYZM90X

EKYZM91E INTERNAL ERROR - UNSUPPORTED MQSERIES CALL

Explanation: The internal DPROP module EKYZM91X received control for an MQSeries call that is either not supported or not supported for the present environment.

Severity: Error.

System action: DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. Save the dump.

Module: EKYZM91X

EKYZM92E INTERNAL ERROR - UNSUPPORTED MQSERIES CALL

Explanation: The internal DPROP module EKYZM92X received control for an MQSeries call that is either not supported or not supported for the present environment.

Severity: Error.

System action: DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. Save the dump.

Module: EKYZM92X

EKYZM93E INTERNAL ERROR - UNSUPPORTED MQSERIES CALL

Explanation: The internal DPROP module EKYZM93X received control for an MQSeries call that is either not supported or not supported for the present environment.

Severity: Error.

System action: DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. Save the dump.

Module: EKYZM93X

EKYZZ01E RAS PROBLEM OCCURRED WHILE PROCESSING THE SELECTOR CONTROL FILE

Explanation: A RAS (Reliability and Security) check failed. The SCF is in an inconsistent state.

Severity: Error

System action: Processing terminates.

User response: Recreate the SCF as described in the IMS DPROT Installation Guide. Synchronize your IMS and DB2 systems again by performing a full extract from IMS and loading DB2.

Module: Various IMS DPROT modules.

EKYZZ02E SELECTOR CONTROL FILE WITH KEY *reckey* NOT FOUND

Explanation: A key has been specified for which there is currently no element in the Selector Control File.

Severity: Error.

System action: Processing terminates.

User response: Turn tracing on and resubmit the Selector job. Check the VSAM message area in the trace output to determine the cause of access failure. Correct the fault and resubmit the Selector job.

Module: Various IMS DPROT modules.

EKYZZ03E STORAGE PROBLEM OCCURRED WHILE PROCESSING THE SELECTOR CONTROL FILE

Explanation: The request exceeds the amount of virtual storage available.

Severity: Error.

System action: Processing terminates.

User response: Save the output and contact IBM Software Support for assistance.

Module: Various IMS DPROT modules.

EKYZZ04E ERROR ACCESSING SELECTOR CONTROL FILE

Explanation: An error occurred while attempting to access the SCF.

Severity: Error.

System action: Processing terminates.

User response: Ensure the SCF data set specified in the //EKYSCF DD Statement in the job is correct. Turn tracing on and resubmit the job. Check the VSAM message area in the trace output to determine the cause of access failure. Correct the cause of the error and resubmit the job.

Module: Various IMS DPROT modules.

EKYZZ05E FAILED TO CLOSE SELECTOR CONTROL FILE

Explanation: Unable to close the file *datasetname* due to an I/O error.

Severity: Error.

System action: Processing terminates.

User response: Turn tracing on and resubmit the job. Check the VSAM message area in the trace output to determine the cause of close failure. Correct the fault and resubmit the job.

Module: Various Selector modules

EKYZZ06E SELECTOR CONTROL FILED *datasetname* IS EMPTY

Explanation: The SCF is empty when it is expected to contain at least the version control record defined during IMS DPROT installation.

Severity: Error.

System action: Processing terminates.

User response: Regenerate the SCF using the ISPF panel application. The SCF is created and initialized during IMS DPROT environment definition. Refer to the IMS DPROT Installation Guide for further details.

Module: Various IMS DPROT modules.

EKYZZ07E FAILED TO OPEN SELECTOR CONTROL FILE

Explanation: The SCF could not be opened because either:

- The DD statement EKYSCF was missing in the JCL.
- The DD statement is specified but the file does not exist.
- You are not authorized to access the SCF.
- The SCF is corrupted.

Severity: Error.

System action: Processing terminates.

User response: If the DD statement was missing, then supply one and resubmit the job. Ensure that the SCF exists and that you have update authority. If necessary, regenerate the SCF using the ISPF panel application. The SCF is created and initialized during IMS DPROT environment definition. Refer to the IMS DPROT Installation Guide for further details.

Module: Various IMS DPROT modules.

EKYZZ10E VSAM ACCESS METHOD ISSUED A
NON-ZERO RETURN CODE. FUNCTION
CODE (HEX) : *FunctionCode*, RETURN
CODE (HEX) : *ReturnCode* REASON
CODE (HEX) : *ErrorCode*

Explanation: VSAM Access Method has issued a non-zero return code. The VSAM function that failed is identified by the function code displayed. The following codes are available:

X'04' GENCB
X'08' MODCB
X'0C' SHOWCB
X'10' TESTCB
X'14' OPEN
X'18' CLOSE
X'1C' GET
X'20' PUT
X'24' POINT
X'28' ERASE
X'2C' ENREQ

Severity: Error.

System action: Processing terminates.

Programmer response: Refer to the MVS/XA™ VSAM Administration: Macro Instruction Reference for an explanation of the return and reason codes displayed. Correct the cause of the error and resubmit the job.

Module: Various modules.

EKYZZ10I VSAM ACCESS METHOD ISSUED A
NON-ZERO RETURN CODE. FUNCTION
CODE (HEX) : *FunctionCode* RETURN
CODE (HEX) : *ReturnCode* REASON
CODE (HEX) : *ErrorCode*

Explanation: VSAM Access Method has issued a non-zero return code. The VSAM function that failed is identified by the Function Code represented in hexadecimal notation. The following function codes are available:

X'04' GENCB
X'08' MODCB
X'0C' SHOWCB
X'10' TESTCB
X'14' OPEN
X'18' CLOSE
X'1C' GET
X'20' PUT

X'24' POINT
X'28' ERASE
X'2C' ENREQ

Severity: Information.

System action: Processing continues.

Programmer response: The user action required depends on subsequent messages issued by the executing program. Additional associated messages may explain the cause of the problem, for example, an error accessing the VSAM file will produce a message that will provide information on the reason the file is not accessible.

Refer to the *VSAM Administration: Macro Instruction Reference*, GC26-4074 for an explanation of the Return Code and Reason Code displayed for the function that failed.

Module: Various modules.

EKYZZ28E THE SIZE OF THE AREA PASSED IN
len1 IS LESS THAN THE SIZE OF THE
LARGEST SCF RECORD *len2*

Explanation: An internal IMS DPROP error has occurred. The calling routine should have passed in an area large enough to hold the largest SCF.

Severity: Error.

System action: Processing terminates.

User response: Save the output and contact IBM Software Support for assistance.

Module: Various IMS DPROP modules.

EKYZZ41E RAS PROBLEM OCCURRED WHILE
PROCESSING THE UNCOMMITTED
LOG RECORD DATASET

Explanation: A Reliability and Security (RAS) check failed. The ULR data set is in an inconsistent state.

Severity: Error.

System action: Processing terminates.

User response: Recreate the ULR data set using JCL as described in the appropriate Administrators Guide for your propagation mode. This will prime the ULR data set with a header record. You will then need to synchronize your IMS and DB2 systems again by doing a full extract from IMS and loading DB2.

Module: Various Selector modules.

EKYZZ42E UNCOMMITTED LOG RECORD WITH
KEY *reckey* NOT FOUND

Explanation: A key has been specified for which there is currently no element in the ULR data set.

Severity: Error.

System action: Processing terminates.

User response: Turn tracing on and resubmit the Selector job. Check the VSAM message area in the trace output to determine the cause of access failure. Correct the fault and resubmit the Selector job.

Module: Various Selector modules.

EKYZZ43E STORAGE PROBLEM OCCURRED WHILE PROCESSING THE UNCOMMITTED LOG RECORD DATASET

Explanation: The request exceeds the amount of virtual storage available.

Severity: Error.

System action: Processing terminates.

User response: Save the output and contact IBM Software Support for assistance.

Module: Various Selector modules.

EKYZZ44E ERROR ACCESSING UNCOMMITTED LOG RECORD DATASET

Explanation: The Selector was unable to access the ULR data set.

Severity: Error.

System action: Processing terminates.

User response: Ensure the ULR data set specified in the //EKYULR DD Statement in the Selector job exists. Turn tracing on and resubmit the Selector job. Check the VSAM message area in the trace output to determine the cause of access failure. Correct the cause of the error and resubmit the Selector job.

Module: Various Selector modules.

EKYZZ45E FAILED TO CLOSE UNCOMMITTED LOG RECORD DATASET

Explanation: Unable to close the file *datasetname* due to an error in the data set.

Severity: Error.

System action: Processing terminates.

User response: Turn tracing on and resubmit the Selector job. Check the VSAM message area in the trace output to determine the cause of close failure. Correct the cause of the error and resubmit the Selector job.

Module: Various Selector modules.

EKYZZ46E THE SIZE OF THE AREA PASSED IN *len1* IS LESS THAN THE SIZE OF THE LARGEST ULR RECORD *len2*

Explanation: An internal IMS DPROP error has occurred. The calling routine should have passed in an area large enough to hold the biggest ULR.

Severity: Error.

System action: Processing terminates.

User response: Save the output and contact IBM Software Support for assistance.

Module: Various Selector modules.

EKYZZ47E THE UNCOMMITTED LOG RECORD DATASET *datasetname* IS EMPTY

Explanation: The ULR data set is empty when it is expected to contain at least one record (the ULR header record primed during IMS DPROP installation).

Severity: Error.

System action: Processing terminates.

User response: Recreate the ULR data set using JCL as described in the appropriate Administrators Guide for your propagation mode. This will prime the ULR data set with a header record.

Module: Various Selector modules.

EKYZZ48E FAILED TO OPEN UNCOMMITTED LOG RECORD DATASET

Explanation: The ULR data set could not be opened because either:

- The DD statement EKYULR was missing or is incorrectly specified in the JCL.
- The DD statement is specified but the file does not exist.
- You are not authorized to access the ULR data set.
- The data set is corrupted.

Severity: Error.

System action: Processing terminates.

User response: If the DD statement was missing, then supply one and resubmit the job. Ensure that the data set exists and that you have update authority on the data set. If necessary, recreate and prime the ULR data set with a header record as described in the appropriate Administrators Guide for your propagation mode.

Module: Various Selector modules.

EKYZZ49E FAILED TO INSERT RECORD IN THE UNCOMMITTED LOG RECORD DATASET *datasetname*

Explanation: The selector was unable to add a record to the ULR data set because either:

- A duplicate key was specified for which there is already a record in the ULR data set.
- While adding elements to the ULR data set sequentially, an attempt was made to add a record with a key lower than the current position.

Severity: Error.

System action: Processing terminates.

User response: Save the output and contact IBM Software Support for assistance.

Module: EKYB304X EKYB375X

EKYZ001E LOAD MODULE EKYZ010X MUST HAVE REUS LINKAGE EDITOR ATTRIBUTE

Explanation: IMS DPROF found that the load module EKYZ010X did not have the REUS linkage editor attribute. Because EKYZ010X is used as an anchor point, IMS DPROF operation requires that EKYZ010X have the REUS linkage editor attribute.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Check whether module EKYZ010X has the linkage editor attribute REUS. If it does not, link-edit the module with the REUS attribute. If the module does have the REUS attribute, contact IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYZ000X

EKYZ003E UNEXPECTED DATA IN COMPOSITE LOAD MODULE

Explanation: IMS DPROF initialization found invalid values in the CSECT SAVEID located at the entry point of the composite IMS DPROF modules.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Check whether the composite IMS DPROF modules EKYZ100X, EKYZ101X, EKYZ110X, EKYZ111X, EKYZ120X and EKYZ121X were link-edited with correct ENTRY statements. If they were not, link the modules with correct ENTRY statements. If the modules were link-edited correctly, contact IBM Software Support for assistance.

Module: EKYZ000X

EKYZ004E UNKNOWN APPLICATION REGION TYPE IN DL/I INQY AREA

Explanation: IMS DPROF initialization found an invalid region type in the DL/I INQY area provided by the caller of EKYRUP00.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: If the RUP is being called by a non-IBM program performing asynchronous data propagation, check that this program correctly initializes the DL/I INQY area pointed to by the XPCB. If the RUP is not being called by a non-IBM program, contact IBM Software Support for assistance.

Module: EKYZ000X

EKYZ051E ERRORS WHILE READING //EKYIN INPUT RECORDS. ABEND FOLLOWS

Explanation: An error occurred while reading the //EKYIN data set.

Severity: Error.

System action: IMS DPROF issues an abend.

Problem determination: Check for other messages for further information about the problem. Correct it if possible and resubmit the job. If the problem cannot be identified and fixed, contact IBM Software Support for assistance.

Module: EKYZ050X

EKYZ052E ONE OR MORE ERRORS IN //EKYIN INPUT RECORDS. ABEND FOLLOWS

Explanation: The control statements in the //EKYIN data set have one or more errors. Refer to previously issued messages for a detailed description of the errors.

Severity: Error.

System action: IMS DPROF issues an abend.

Problem determination: Check for other messages for further information about the problem. Correct it if possible and resubmit the job. If the problem cannot be identified and fixed, contact IBM Software Support for assistance.

Module: EKYZ050X

EKYZ053E INTERNAL ERROR: INVALID CONTROL STATEMENT

Explanation: An invalid control statement was located in the //EKYIN data set.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Contact IBM

Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ050X

**EKYZ060E INTERNAL ERROR: INVALID STATUS
IN ZMDSCMD**

Explanation: This is an internal IMS DPROP error. Module EKYZ060X encountered an invalid status in the ZMDSCMD control block.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Contact IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYZ060X

EKYZ061E UNEXPECTED KEYWORD

Explanation: This is an internal IMS DPROP error. Module EKYZ060X found an invalid control statement or keyword in the //EKYIN data set.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ060X

**EKYZ062E INTERNAL ERROR: KEYWORD NOT
DEFINED PROPERLY**

Explanation: This is an internal IMS DPROP error. Module EKYZ060X found a keyword on a control statement in the //EKYIN data set that was not defined to the IMS DPROP parser as a keyword.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ060X

**EKYZ063E INTERNAL ERROR: KEYWORD NOT
DEFINED PROPERLY**

Explanation: This is an internal IMS DPROP error. Module EKYZ060X found a keyword on a control statement in the //EKYIN data set that was not defined to the IMS DPROP parser as a keyword.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ060X

**EKYZ064E 'PROP' STATEMENT SHOULD NOT
PROVIDE MORE THAN ONE LOAD,
OFF, OR SUSP KEYWORD**

Explanation: Module EKYZ060X found a PROP control statement in an //EKYIN data set with more than one LOAD, OFF, or SUSP keyword.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Correct the PROP control statement, which should specify only one LOAD, OFF, or SUSP keyword.

Module: EKYZ060X

**EKYZ065E 'PROP LOAD', 'PROP OFF', AND
'PROP SUSP' STATEMENTS ARE
MUTUALLY EXCLUSIVE**

Explanation: The PROP LOAD, PROP OFF, and PROP SUSP control statements are mutually exclusive.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Remove the extra control statements from the //EKYIN data set.

Module: EKYZ060X

**EKYZ066E 'PROP LOAD' AND 'PROP OFF'
STATEMENTS MUST BE PROVIDED
WITHOUT FURTHER KEYWORDS**

Explanation: The PROP LOAD and PROP OFF control statements must be provided without other keywords.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Remove the extra keywords from the PROP LOAD and PROP OFF control statements in the //EKYIN data set.

Module: EKYZ060X

**EKYZ067E KEYWORDS FOR 'PROP SUSP'
STATEMENT ARE MISSING**

Explanation: Mandatory keywords of the PROP SUSP control statement are missing.

Severity: Error.

System action: IMS DPROB issues an abend.

User response: Provide the required keywords of the PROP SUSP control statement in the //EKYIN data set.

Module: EKYZ060X

**EKYZ068E UNEXPECTED KEYWORD
COMBINATION FOR 'PROP SUSP'
STATEMENT**

Explanation: A PROP SUSP control statement specified an invalid or unsupported combination of keywords.

Severity: Error.

System action: IMS DPROB issues an abend.

User response: Correct the PROP SUSP control statement in the //EKYIN data set.

Module: EKYZ060X

**EKYZ069E UNEXPECTED KEYWORD
COMBINATION FOR 'PROP SUSP'
STATEMENT**

Explanation: A PROP SUSP control statement specified an invalid or unsupported combination of keywords.

Severity: Error.

System action: IMS DPROB issues an abend.

User response: Correct the PROP SUSP control statement in the //EKYIN data set.

Module: EKYZ060X

EKYZ070E MISSING VALUE FOR KEYWORD

Explanation: A control statement in the //EKYIN data set did not provide a required keyword value.

Severity: Error.

System action: IMS DPROB issues an abend.

User response: Correct the //EKYIN control statement.

Module: EKYZ060X

**EKYZ071E ONLY ONE VALUE IS SUPPORTED
FOR DBD= KEYWORD**

Explanation: If a SEG= keyword is specified, the DBD= keyword should specify only one DBD name.

Severity: Error.

System action: IMS DPROB issues an abend.

User response: Correct the //EKYIN control statement. Either remove the SEG= keyword, or provide only one DBD name in the DBD= keyword.

Module: EKYZ060X

**EKYZ072E 'PROP' STATEMENTS ARE NOT VALID
FOR CURRENT JOB STEP**

Explanation: The PROP control statements are only valid for job steps used to perform synchronous data propagation.

Severity: Error.

System action: IMS DPROB issues an abend.

User response: Remove the PROP control statements from the //EKYIN data set.

Module: EKYZ060X

**EKYZ075E INVALID VALUE FOR SQLU=, RPRCB=,
OR HPRCB=**

Explanation: The value of the SQLU=, RPRCB=, or HPRCB= keyword was invalid. For a description of valid keyword values, see IMS DPROB Reference.

Severity: Error.

System action: IMS DPROB issues an abend.

User response: Correct the //EKYIN control statement.

Module: EKYZ070X

**EKYZ076E INTERNAL ERROR: INVALID STATUS
IN ZMDSCMD**

Explanation: This is an internal IMS DPROB error. Module EKYZ070X encountered an invalid status in the ZMDSCMD control block.

Severity: Error.

System action: IMS DPROB issues an abend.

System programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ070X

**EKYZ077E INTERNAL ERROR: INVALID
KEYWORD**

Explanation: This is an internal IMS DPROB error. Module EKYZ070X found an invalid keyword in a //EKYIN data set.

Severity: Error.

System action: IMS DPROB issues an abend.

System programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ070X

EKYZ078E MISSING VALUE FOR SQLU=, RPRCB=, OR HPRCB=

Explanation: The SQLU=, RPRCB=, or HPRCB= keyword of an //EKYIN control statement did not have a value.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Correct the //EKYIN control statement.

Module: EKYZ070X

EKYZ079E INVALID LENGTH FOR VALUE OF SQLU=, RPRCB=, OR HPRCB=

Explanation: The value of the SQLU=, RPRCB=, or HPRCB= keyword was too long.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Correct the value of the keyword. For a description of the maximum length for the SQLU= value, see IMS DPROP Reference.

Module: EKYZ070X

EKYZ080E INTERNAL ERROR: INVALID STATUS IN ZMDSCMD

Explanation: This is an internal IMS DPROP error. Module EKYZ080X found an invalid status in the ZMDSCMD control block.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ080X

EKYZ081E INTERNAL ERROR: INVALID KEYWORD

Explanation: This is an internal IMS DPROP error. Module EKYZ080X found an invalid keyword in an //EKYIN data set.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ080X

EKYZ082E INVALID VALUE FOR DEBUG=

Explanation: The value of the DEBUG= keyword was invalid.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Correct the value of the keyword on the //EKYIN control statement. For a description of valid values for the DEBUG= keyword, see IMS DPROP Reference.

Module: EKYZ080X

EKYZ083E INVALID COMBINATION OF KEYWORDS

Explanation: An //EKYIN control statement specifies an invalid combination of keywords.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Correct the //EKYIN control statement. For a description of valid combinations of keywords, see IMS DPROP Reference.

Module: EKYZ080X

EKYZ084E INTERNAL ERROR: UNEXPECTED STATEMENT

Explanation: This is an internal IMS DPROP error. Module EKYZ080X read an invalid //EKYIN control statement.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ080X

EKYZ085E MISSING KEYWORD VALUE

Explanation: A mandatory keyword value was missing.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Provide the required keyword value. For a description of mandatory keyword values, see IMS DPROP Reference.

Module: EKYZ080X

EKYZ086E ONLY ONE VALUE IS SUPPORTED FOR DBD= KEYWORD

Explanation: If a SEG= keyword is specified, the DBD= keyword must specify only one DBD name.

Severity: Error.

System action: IMS DPROF issues an abend.

User response: Correct the //EKYIN control statement. Either remove the SEG= keyword, or provide only one DBD name in the DBD= keyword.

Module: EKYZ080X

EKYZ087E INVALID VALUE FOR DEST=

Explanation: The value of the DEST= keyword was invalid.

Severity: Error.

System action: IMS DPROF issues an abend.

User response: Correct the //EKYIN control statement. For a description of valid values for the DEST= keyword, see IMS DPROF Reference.

Module: EKYZ080X

EKYZ088E DEBUG= KEYWORD IS MISSING OR HAS NO VALUE

Explanation: The mandatory DEBUG= keyword was missing, or no value was provided.

Severity: Error.

System action: IMS DPROF issues an abend.

User response: Provide the mandatory DEBUG= keyword with a valid keyword value.

Module: EKYZ080X

EKYZ089E VALUE OF DEBUG= IS TOO LONG

Explanation: The value of the DEBUG= keyword was too long.

Severity: Error.

System action: IMS DPROF issues an abend.

User response: Correct the value of the keyword. For a description the maximum length for the DEBUG= keyword value, see IMS DPROF Reference.

Module: EKYZ080X

EKYZ090E 'TRDEST' STATEMENT IS NOT VALID FOR CURRENT JOB STEP

Explanation: TRDEST control statements with DEST=IMSLOG are only valid for job steps used to perform synchronous data propagation.

Severity: Error.

System action: IMS DPROF issues an abend.

User response: Remove the TRDEST control statements from the //EKYIN data set.

Module: EKYZ080X

EKYZ150E INVALID CALL-FUNCTION FOR MODULE EKYZ150X

Explanation: This is an internal IMS DPROF error. The IMS DPROF module EKYZ150Z was called by another IMS DPROF module with an invalid call function.

Severity: Error.

System action: IMS DPROF issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYZ150X

EKYZ151E A BLDL MACRO FAILED, RC: *returncode*

Explanation: An IMS DPROF module issued an MVS/DFP™ BLDL macro with a 0 DCB address. The BLDL macro failed with the shown return code.

Severity: Error.

System action: IMS DPROF issues an abend.

Problem determination: Refer to *MVS/DFP Macro Instructions for Data Sets* for an explanation of the return codes of the BLDL macro. If MVS/DFP issued additional messages, they may help you understand the failure. Save the dump.

Module: EKYZ150X

EKYZ152E A CEEPIPI INIT-SUB CALL FAILED, RC: *returncode*

Explanation: An IMS DPROF module issued a CEEPIPI INIT-SUB call to initialize the LE/370 environment. The CEEPIPI call failed with the shown return code.

Severity: Error.

System action: IMS DPROF issues an abend.

Problem determination: Refer to IBM SAA AD/Cycle Language Environment/370 Programming Guide for an explanation of the return codes of the CEEPIPI INIT-SUB call. If LE/370 issued additional messages, they may help you understand the failure. Save the dump.

Module: EKYZ150X

EKYZ153E A CEEPIPI TERM CALL FAILED, RC:
returncode

Explanation: An IMS DPROF module issued a CEEPIPI TERM call to terminate the LE/370 environment. The CEEPIPI call failed with the shown return code.

Severity: Error.

System action: IMS DPROF issues an abend.

Problem determination: Refer to IBM SAA AD/Cycle Language Environment/370 Programming Guide for an explanation of the return codes of the CEEPIPI TERM call. If LE/370 issued additional messages, they may help you understand the failure. Save the dump.

Module: EKYZ150X

EKYZ154E DPROF CANNOT OBTAIN RUN-TIME OPTIONS FOR LE/370.

Explanation: IMS DPROF encountered a failure while attempting to read the user-provided LE/370 run time options.

Severity: Error.

System action: IMS DPROF issues an abend.

Problem determination: See previously issued error messages, which describe the error in more detail.

Module: EKYZ150X

EKYZ155I LE/370 PRE-INITIALIZATION COMPLETE

Explanation: IMS DPROF has successfully completed the pre-initialization of the LE/370 environment used for IMS DPROF exit routines.

Severity: Information

System action: Processing continues.

Problem determination: Save the message.

Module: EKYZ150X

EKYZ156I LE/370 PRE-INITIALIZATION NOT DONE

Explanation: IMS DPROF has not performed a pre-initialization of the LE/370 environment for IMS DPROF exit routines. Probable explanations are:

- LE/370 is not installed
- The LE/370 load modules are not accessible through the usual //STEPLIB, //JOB LIB, linklib, LPA concatenation

Severity: Information.

System action: Processing continues.

Problem determination: Save the message.

Module: EKYZ150X

EKYZ157E TOO MANY RECORDS IN //EKYLEOPT

Explanation: The //EKYLEOPT file used to provide LE/370 run time options contained more than 3 records. The maximum number of records supported by IMS DPROF is 3.

Severity: Error.

System action: IMS DPROF issues an abend.

User response: Do not provide more than 3 records in the //EKYLEOPT file.

Module: EKYZ150X

EKYZ158E A CEEPIPI END_SEQ CALL FAILED, RC: returncode

Explanation: An IMS DPROF module issued a CEEPIPI END_SEQ call to signal the end of a series of subroutine calls. The CEEPIPI call failed with the shown return code.

The return code values have the following meaning:

- | | |
|-----------|--|
| 4 | IMS DPROF called CEEPIPI with an invalid function code |
| 8 | The LE/370 environment was already active |
| 16 | IMS DPROF called CEEPIPI with an invalid token |
| 20 | IMS DPROF called CEEPIPI with a token different than the token used in a START_SEQ call. |

Severity: Error.

System action: IMS DPROF issues an abend.

Problem determination: If LE/370 issued additional messages, they may help you understand the failure. Save the dump.

Module: EKYZ150X

EKYZ160E A CEEPIPI ADD-ENTRY CALL FAILED, RC: returncode

Explanation: An IMS DPROF module issued a CEEPIPI ADD-ENTRY call to add a module name to the LE/370 PIPI table. The CEEPIPI call failed with the shown return code.

Severity: Error.

System action: IMS DPROF issues an abend.

Problem determination: Refer to IBM SAA AD/Cycle Language Environment/370 Programming Guide for an explanation of the return codes of the CEEPIPI ADD-ENTRY call. If LE/370 issued additional messages, they may help you understand the failure. Save the dump.

Module: EKYZ160X

EKYZ161E A CEEPII TERM CALL FAILED, RC:
returncode

Explanation: An IMS DPROP module issued a CEEPII TERM call while attempting to create a new, larger LE/370 PIPI table. The CEEPII call failed with the shown return code.

Severity: Error.

System action: IMS DPROP issues an abend.

Problem determination: Refer to IBM SAA AD/Cycle Language Environment/370 Programming Guide for an explanation of the return codes of the CEEPII TERM call. If LE/370 issued additional messages, they may help you understand the failure. Save the dump.

Module: EKYZ160X

EKYZ162E A CEEPII INIT-SUB CALL FAILED, RC:
returncode

Explanation: An IMS DPROP module issued a CEEPII INIT-SUB call while attempting to create a new, larger LE/370 PIPI table. The CEEPII call failed with the shown return code.

Severity: Error.

System action: IMS DPROP issues an abend.

Problem determination: Refer to IBM SAA AD/Cycle Language Environment/370 Programming Guide for an explanation of the return codes of the CEEPII INIT-SUB call. If LE/370 issued additional messages, they may help you understand the failure. Save the dump.

Module: EKYZ160X

EKYZ163E A CEEPII END_SEQ CALL FAILED, RC:
returncode

Explanation: An IMS DPROP module issued a CEEPII END_SEQ call to signal the end of a series of subroutine calls. The CEEPII call failed with the shown return code.

The return code values have the following meaning:

- | | |
|-----------|---|
| 4 | IMS DPROP called CEEPII with an invalid function code. |
| 8 | The LE/370 environment was already active. |
| 16 | IMS DPROP called CEEPII with an invalid token. |
| 20 | IMS DPROP called CEEPII with a token different than the token used in a START_SEQ call. |

Severity: Error.

System action: IMS DPROP issues an abend.

Problem determination: If LE/370 issued additional messages, they may help you understand the failure. Save the dump.

Module: EKYZ160X

**EKYZ200E INTERNAL DPROP EKYGETM/
EKYFREEM ERROR INVALID CALL
FUNCTION**

Explanation: This is an internal IMS DPROP error. The IMS DPROP module EKYZ200E was called with an invalid call function.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYZ200X

**EKYZ201E INTERNAL DPROP EKYGETM ERROR
INVALID ZGM CHAIN**

Explanation: A chain of IMS DPROP internal ZGM control blocks was invalid. This is either an internal IMS DPROP error or a problem caused by a virtual storage overlay.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Check whether non-IBM programs have overlaid virtual storage. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYZ200X

**EKYZ202E INTERNAL DPROP EKYFREEM ERROR
INVALID ZGM CHAIN**

Explanation: A chain of internal ZGM control blocks was invalid. This is either an internal IMS DPROP error or a problem caused by a virtual storage overlay.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Check whether non-IBM programs overlaid virtual storage. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYZ200X

**EKYZ203E INTERNAL DPROP EKYFREEM ERROR
INVALID ZGM CHAIN**

Explanation: A chain of IMS DPROP internal ZGM control blocks was invalid. This is either an internal IMS DPROP error or a problem caused by a virtual storage overlay.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Check whether non-IBM programs overlaid virtual storage. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYZ200X

**EKYZ204E INTERNAL DPROP EKYFREEM ERROR
INVALID ZGM CHAIN**

Explanation: A chain of IMS DPROP internal ZGM control blocks was invalid. This is either an internal IMS DPROP error or a problem caused by a virtual storage overlay.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Check whether non-IBM programs overlaid virtual storage. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYZ200X

**EKYZ205E INTERNAL DPROP EKYFREEM ERROR
INVALID ZGM CHAIN**

Explanation: A chain of IMS DPROP internal ZGM control blocks was invalid. This is either an internal IMS DPROP error or a problem caused by a virtual storage overlay.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Check whether non-IBM programs overlaid virtual storage. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYZ200X

**EKYZ206E INTERNAL DPROP ERROR WHILE
PROCESSING A 'EKYFREEM
ANCHOR=' MACRO; INVALID ZGM
CHAIN**

Explanation: A chain of IMS DPROP internal ZGM control blocks was invalid. This is either an internal IMS

DPROP error or a problem caused by a virtual storage overlay.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Check whether non-IBM programs overlaid virtual storage. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYZ200X

**EKYZ220E MESSAGE WITH INVALID NUMBER OF
LINES**

Explanation: This is an internal IMS DPROP error. The IMS DPROP module EKYZ220X was called by another IMS DPROP module to write a message. The message provided by the calling IMS DPROP module had an invalid number of text lines.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ220X

**EKYZ221E MESSAGE WITH INVALID TEXT
LENGTH**

Explanation: This is an internal IMS DPROP error. IMS DPROP module EKYZ220X was called by another IMS DPROP module to write a message. The message provided by the calling IMS DPROP module had an invalid text length.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ220X

**EKYZ230E MACRO EKYMSGP/MODULE
EKYZ230X WAS NOT SUCCESSFUL;
DDN: *ddname*; macro RC: *rc***

Explanation: Module EKYZ230X encountered an error while being called by another IMS DPROP module to print a message. *ddname* is the data set to which the message provided by the calling module should have been written. *macro* is the name of the internal IMS DPROP macro that failed. *rc/rc* is the return code of the failing macro in decimal/hexadecimal representation.

Severity: Error.

System action: IMS DPROB issues an abend.

Problem determination: Refer to previously issued messages, such as message EKYZ501E, for an explanation of the failure.

Module: EKYZ230X

EKYZ240E UNEXPECTED CALL FUNCTION

Explanation: This is an internal IMS DPROB error. IMS DPROB module EKYZ240X was called with an invalid call function.

Severity: Error.

System action: IMS DPROB issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYZ240X

EKYZ241E UNEXPECTED POOL-ID FOR CPOOL SERVICES

Explanation: This is an internal IMS DPROB error. IMS DPROB module EKYZ240X was called with an invalid pool identification.

Severity: Error.

System action: IMS DPROB issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYZ240X

EKYZ242E INVALID ADDRESS FOR EKYCPOOL FUNC=FREE

Explanation: Module EKYZ240E was called to free a virtual storage CPOOL cell. The virtual storage address of this cell was invalid. This is either an internal IMS DPROB error or a problem caused by a virtual storage overlay.

Severity: Error.

System action: IMS DPROB issues an abend.

System programmer response: Check whether non-IBM programs overlaid virtual storage. If not, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYZ240X

EKYZ301E STATEMENT *statement* INVALID

Explanation: The IMS DPROB parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROB issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ302E KEYWORD *keyword* INVALID

Explanation: The IMS DPROB parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROB issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ303E VALUES ON KEYWORD *keyword* TOO LONG

Explanation: The IMS DPROB parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROB issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ304E LEFT PARENTHESIS MISSING ON *keyword* KEYWORD

Explanation: The IMS DPROB parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROB issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ305E INVALID STATEMENT CONTINUATION STARTING WITH *value*

Explanation: The IMS DPROB parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ306E VALUES MISSING ON KEYWORD
keyword

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ307E KEYWORD *keyword* IS FOLLOWED BY AN INVALID CHARACTER AFTER THE RIGHT PARENTHESIS

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ308E MISPLACED LEFT PARENTHESIS ON KEYWORD *keyword*

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ309E RIGHT PARENTHESIS MISSING OR MISPLACED ON *keyword* KEYWORD

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional

messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ310E NO BLANK CHARACTERS ALLOWED INSIDE KEYWORD *keyword*

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ311E INVALID/MISPLACED COMMAS BEFORE KEYWORD *keyword*

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ312E COMMA MISSING BEFORE KEYWORD *keyword*

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ313E INVALID PARENTHESIS BEFORE STATEMENT OR KEYWORD *statement|keyword*

Explanation: The IMS DPROP. parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP. issues additional messages after all statements are analyzed.

System programmer response: Check the additional

messages for more information.

Module: EKYZ300X

EKYZ314E MISPLACED COMMAS ON KEYWORD
keyword

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ315E INVALID/MISPLACED COMMAS BEFORE KEYWORD
keyword

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ316E INVALID/MISPLACED COMMAS BEFORE STATEMENT
statement

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ317E MULTIPLE STATEMENTS
statement
NOT ALLOWED

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ318E MULTIPLE KEYWORDS
keyword
NOT ALLOWED

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ319E
keyword1
IS MUTUALLY EXCLUSIVE WITH KEYWORD
keyword2

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ320E MULTIPLE VALUES ON
keyword
KEYWORD NOT ALLOWED

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ321E INVALID VALUES ON
keyword
KEYWORD

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ322E MANDATORY KEYWORDS MISSING ON STATEMENT *statement*

Explanation: The IMS DPROF parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROF issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ323E *keyword1* IS VALID ONLY IF *keyword2* IS CORRECTLY SPECIFIED

Explanation: The IMS DPROF parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROF issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ324E TOO MANY VALUES ON DEPENDENT KEYWORD *keyword*

Explanation: The IMS DPROF parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROF issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ325E CALLING GROUPNAME *group* / HEXADECIMAL=*value* NOT FOUND IN STATEMENT TABLE MODULE 'EKYZ020X'

Explanation: This is an internal IMS DPROF error.

Severity: Error.

System action: IMS DPROF abends.

System programmer response: Call IBM Software Support for assistance.

Module: EKYZ300X

EKYZ326E STATEMENT STARTING WITH *statement* MUST BEGIN ON A NEW LINE, STATEMENT SKIPPED

Explanation: The IMS DPROF parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROF issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ327E NO VALUES ALLOWED ON *keyword* KEYWORD

Explanation: The IMS DPROF parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROF issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ328W SEMICOLON AFTER STATEMENT *statement* MISSING

Explanation: The IMS DPROF parser detected incorrect syntax.

Severity: Warning

System action: This depends on the IMS DPROF function being performed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ329E END OF COMMENT '' MISSING, START OF COMMENT BEGINNING WITH *comment* IS INVALID**

Explanation: The IMS DPROF parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROF issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ330E END OF COMMENT '/'MISSING**

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ331E MAXIMUM SIZE OF 20K-BYTES FOR CONTROL BLOCK ZMD REACHED

Explanation: This is an internal IMS DPROP error.

Severity: Error.

System action: IMS DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Module: EKYZ300X

EKYZ332E MAXIMUM SIZE OF 20K-BYTES FOR CONTROL BLOCK ZMDVALUE REACHED

Explanation: This is an internal IMS DPROP error.

Severity: Error.

System action: IMS DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Module: EKYZ300X

EKYZ333E KEYWORD *keyword* MISPLACED, STATEMENT SKIPPED

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ330X

EKYZ334E INVALID NUMBER OF VALUES ON KEYWORD *keyword*

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional

messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ335E UNBALANCED DOUBLE QUOTES (") ON KEYWORD *keyword*

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ336E STATEMENT SKIPPED

Explanation: The IMS DPROP parser detected incorrect syntax.

Severity: Error.

System action: IMS DPROP issues additional messages after all statements are analyzed.

System programmer response: Check the additional messages for more information.

Module: EKYZ300X

EKYZ351E MSGID=*msgid* NOT FOUND IN MESSAGE DEFINITION MODULE

Explanation: This is an internal IMS DPROP error.

Severity: Error.

System action: IMS DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Module: EKYZ350X

EKYZ352E MSGID=*msgid* MAXIMUM SIZE OF 4K-BYTES FOR CONTROL BLOCK ZMS REACHED

Explanation: This is an internal IMS DPROP error.

Severity: Error.

System action: IMS DPROP abends

System programmer response: Call IBM Software Support for assistance.

Module: EKYZ350X

EKYZ353E **MSGID=*msgid* INVALID MESSAGE
VARIABLE LENGTH PASSED ON
EKYMSGF MACRO**

Explanation: This is an internal IMS DPROP error.

Severity: Error.

System action: IMS DPROP abends.

System programmer response: Call IBM Software Support for assistance.

Module: EKYZ350X

EKYZ360E *text*
 :
 :

Explanation: After returning from an SQL statement, an IMS DPROP module encountered either a nonzero SQL error code or SQL warning codes. The SQL problem is described by the text in this message. The message text is provided by the DB2 DSNTIAR module. For an explanation of the message, see DB2 Messages and Codes.

If the text in message EKYZ360E consists of one line, the error text may be continued in one or more EKYZ360I messages.

Severity: Error.

System action: This depends on the IMS DPROP function being performed. See the description of related messages for possible system actions.

Problem determination: Analyze the information provided in the text of message EKYZ360E. See also related messages that can provide additional information.

Module: EKYZ500X

EKYZ360I *text*
 :
 :

Explanation: After returning from an SQL statement, an IMS DPROP module encountered either a nonzero SQL error code or SQL warning codes. The SQL problem is described by text in one EKYZ360E message followed by one or multiple EKYZ360I messages.

For an explanation of the message, see DB2 Messages and Codes.

Severity: Information.

System action: This depends on the IMS DPROP function being performed. See the description of related messages for possible system actions.

Problem determination: Analyze the information provided in the text of message EKYZ360E. See also related messages that can provide additional information.

Module: EKYZ360X

EKYZ380E **AIBSFUNC=*subfunction*
AIBRSNM1=*resource name*
AIBRETRN=*returncode*
AIBREASN=*reason code*
DBPCBDBD=*dbd name*
DBPCBSFD=*segment name*
DBPCBSTC=*status code***

Explanation: After returning from an IMS DB call, an IMS DPROP module encountered a nonzero return code or reason code in the AIB. The *subfunction* indicates the subfunction used for this AIB call, and the *resource name* indicates the PCB name used for the operation. The *returncode* and *reason code* indicate the IMS return and reason code. The *dbd name* and the *segment name* of the DBPCB indicate the database and segment affected by the operation. The *status code* indicates the status code returned by DL/I.

Severity: Error.

System action: This depends on the IMS DPROP function being performed. See the description of related messages for possible system actions.

Problem determination: Analyze the status code provided in message. See IMS/ESA Application Programming: EXEC DLI Commands for CICS and IMS for a description of the DL/I status codes.

Module: EKYZ380X

EKYZ381E **AIBSFUNC=*subfunction*
AIBRSNM1=*resource name*
AIBRETRN=*returncode*
AIBREASN=*reason code*
TPCBTSYM=*terminal name*
TPCBUSID=*userid* TPCBSTAT=*status code***

Explanation: After returning from an IMS TP call, an IMS DPROP module encountered a nonzero return code or reason code in the AIB. The *subfunction* indicates the subfunction used for this AIB call and the *resource name* indicates the PCB name used for the operation. The *returncode* and *reason code* indicates the return and reason code returned by IMS. The *terminal name* and the *userid* of the TPPCB indicates the symbolic terminal name and the userid affected by the operation. The *status code* indicates the status code returned by DL/I.

Severity: Error.

System action: This depends on the IMS DPROP function being performed. See the description of related messages for possible system actions.

Problem determination: Analyze the status code provided in message. See IMS/ESA Messages and Codes for a description of the DL/I status codes.

Module: EKYZ380X

EKYZ382E **AIBSFUNC**=*subfunction*
 AIBRSNM1=*resource name*
 AIBRETRN=*returncode*
 AIBREASN=*reason code*

Explanation: After returning from an IMS call, an IMS DPROP module encountered a nonzero return code or reason code in the AIB. The *subfunction* indicates the subfunction used for this AIB call and the *resource name* indicates the PCB name used for the operation. The *returncode* and *reason code* indicates the return and reason code returned by IMS.

Severity: Error.

System action: This depends on the IMS DPROP function being performed. See the description of related messages for possible system actions.

Problem determination: Analyze the status code provided in message. See IMS/ESA Application Programming: EXEC DLI Commands for CICS and IMS or IMS/ESA Messages and Codes for a description of the DLI status codes.

Module: EKYZ380X

EKYZ400E **AN ERROR OCCURRED WHILE
RETRIEVING DBRC RECON RECORDS
FOR DATABASE** *dbd*.

Explanation: While attempting to retrieve DBRC RECON records for database *dbd*, an IMS DPROP module encountered a error return code.

Severity: Error.

System action: Processing terminates.

User response: Determine why the records are not in the specified database.

Module: EKYZDBIN.

EKYZ450E **INVALID FUNCTION CODE FOR
EKYZ450X**

Explanation: This is an internal IMS DPROP error. The module EKYZ450X was called with an invalid function code in Register 1.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ450X

EKYZ451E **NON-ZERO RETURN CODE FROM
EKYDAEX0**

Explanation: When called to allocate dynamically the EKYRESLB DD name, the user exit EKYDAEX0 returned with a non-zero return code in Register 15.

Severity: Error.

System action: IMS DPROP issues an abend.

Problem determination: Check whether EKYDAEX0 issued other error messages describing the reason for the failure. At the time of the abend, Register 6 contains the return code provided by EKYDAEX0.

Module: EKYZ450X

EKYZ452E **NON-ZERO RETURN CODE FROM
EKYDAEX0**

Explanation: When called to dynamically deallocate the EKYRESLB DD name, the user exit EKYDAEX0 returned with a nonzero return code in Register 15.

Severity: Error.

System action: IMS DPROP issues an abend.

Problem determination: Check whether EKYDAEX0 issued other error messages describing the reason for the failure. At the time of the abend, Register 6 contains the return code provided by EKYDAEX0.

Module: EKYZ450X

EKYZ454E **//EKYRESLB CANNOT BE OPENED**

Explanation: IMS DPROP initialization could not open the APF-authorized load library containing the IMS DPROP load module running in SVC mode.

Severity: Error.

System action: IMS DPROP issues an abend.

Problem determination: Check for other messages issued by the failing job step that describe the reason for the open failure.

Module: EKYZ450X

EKYZ455E **//EKYRESLB CANNOT BE ALLOCATED**

Explanation: The APF-authorized load library containing IMS DPROP load modules running in SVC mode:

- Was not allocated by the EKYDAEX0 user exit routine
- Was not allocated in JCL with a //EKYRESLB DD statement, and
- Could not be dynamically allocated by IMS DPROP modules based on DPROPGEN specifications.

Severity: Error.

System action: IMS DPROP issues an abend.

Operator response: Check for other error messages describing why the library could not be allocated dynamically.

Module: EKYZ450X

EKYZ470E INTERNAL ERROR: INVALID CALL-FUNCTION

Explanation: This is an internal IMS DPROP error. The IMS DPROP module EKYZ470X was called by another IMS DPROP module with an invalid call function.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYZ470X

EKYZ471E DYNAMIC ALLOCATION FAILED FOR DDN=DDN

Explanation: The indicated ddname could not be dynamically allocated based on DPROPGEN specifications.

Severity: Error.

System action: IMS DPROP issues an abend.

Operator response: Check for other error messages describing why the data set could not be allocated dynamically.

Module: EKYZ470X

EKYZ472E INTERNAL ERROR: INVALID REGISTER CONTENT

Explanation: Module EKYZ470X was invoked by other DPROP modules to dynamically allocate either the EKYMQST or EKYTRANS file based on DPROPGEN specifications. However, Register 2, indicating which file should be allocated, has an invalid content.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYZ470X

EKYZ473E :msg// DDN DD STATEMENT IS MISSING AND DEFAULT SPECIFICATIONS NOT PROVIDED

Explanation: The indicated ddname was not specified in the JCL. However, during DPROPGEN, the administrator did not specify a default data set name for

the file and therefore, dynamic allocation is not possible.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Specify the indicated ddname in the JCL and rerun the jobstep again.

Module: EKYZ470X

EKYZ475I DYNAMIC ALLOCATION FOR DDN=DDN MBR=MBR, OF DSN=DSN ?

Explanation: IMS DPROP has performed a dynamic allocation for the indicated ddname with the specified member and data set name. This is based on the DPROPGEN specification made by the administrator at installation time.

Severity: Information

System action: Processing continues

Module: EKYZ470X

EKYZ500E INVALID CALL FUNCTION FOR EKYZ500X

Explanation: This is an internal IMS DPROP error. Module EKYZ500X was called by another IMS DPROP module with an invalid call function.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ500X

EKYZ501E text

Explanation: Module EKYZ500X encountered an I/O error while writing to or reading from a sequential data set. *text1* contains a description of the I/O error. This description is the text provided by MVS/ESA to the caller of the SYNADAF macro. For a description of the SYNADAF macro and detailed explanation of the message text, refer to the MVS/DFP Version 3.3: Macro Instructions for Data Sets.

Severity: Error.

System action: This depends on the IMS DPROP function being performed.

Problem determination: Analyze the information provided in the text of the message.

Module: EKYZ500X

EKYZ502E OPEN ERROR FOR DDNAME=ddname

Explanation: Module EKYZ500X encountered an error while trying to open the data set with the identified ddname. Refer to related messages (issued by MVS/ESA or DFP) for a description of the error.

Severity: Error.

System action: This depends on the IMS DPROF function being performed.

Problem determination: Analyze the information provided by other messages issued with this one.

Module: EKYZ500X

EKYZ503E MODEL DCB MISSING, NAME=model

Explanation: This is an internal IMS DPROF error. Module EKYZ500X was called by another IMS DPROF module to perform I/O operations. The name of the model DCB provided by the calling IMS DPROF module was invalid.

Severity: Error.

System action: IMS DPROF issues an abend.

Programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ500X

EKYZ504E NO MODEL= SPECIFICATION FOR DDN=ddname

Explanation: This is an internal IMS DPROF error. Module EKYZ500X was called by another IMS DPROF module to perform I/O operations. The calling IMS DPROF module did not provide a MODEL= keyword on the macro used to invoke EKYZ500X. The MODEL= keyword is required for the first request for a specific ddname.

Severity: Error.

System action: IMS DPROF issues an abend.

Programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ500X

EKYZ505E GET FOR OUTPUT DCB, DDN=ddname

Explanation: This is an internal IMS DPROF error. Module EKYZ500X was called by another IMS DPROF module to process an EKYGET macro. However, the model DCB associated with the identified ddname was defined as an output DCB.

Severity: Error.

System action: IMS DPROF issues an abend.

Programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ500X

EKYZ506E PUT FOR INPUT DCB, DDN=ddname

Explanation: This is an internal IMS DPROF error. Module EKYZ500X was called by another IMS DPROF module to process an EKYPUT macro. However, the model DCB associated with the identified ddname was defined as an input DCB.

Severity: Error.

System action: IMS DPROF issues an abend.

Programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ500X

EKYZ507E RECORD TOO BIG FOR DATA SET, DDN=ddname

Explanation: This is an internal IMS DPROF error. Module EKYZ500X was called by another IMS DPROF module to process an EKYPUT macro. The record to be written by EKYPUT was longer than the maximum record length defined in the model DCB.

Severity: Error.

System action: IMS DPROF issues an abend.

Programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ500X

EKYZ508E GET AFTER END-OF-DATA, DDN=ddname

Explanation: This is an internal IMS DPROF error. Module EKYZ500X was called by another IMS DPROF module to process an EKYGET macro. The calling IMS DPROF module tried to read a record after reaching the end of file.

Severity: Error.

System action: IMS DPROF issues an abend.

Programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ500X

**EKYZ520E RDJFCB ERROR FOR
DDNAME=*ddname* RETURN
CODE=*returncode***

Explanation: Module EKYZ520X was called by another IMS DPROP module to retrieve the name of the sequential data set with the identified ddname. The MVS/ESA RDJFCB macro issued by EKYZ520X returned the nonzero return code shown in the message.

Severity: Error.

System action: This depends on the IMS DPROP function being performed.

Problem determination: For an explanation of the return codes of the RDJFCB macro, see the section "Type 07 JFCB Exit List Entry" in MVS/DFP Version 3.3: System Programming Reference.

Module: EKYZ520X

**EKYZ540E INTERNAL DPROP ERROR: INVALID
LENGTH OF SOURCE FIELD**

Explanation: Module EKYZ540X was called by another IMS DPROP module to perform a field format conversion. The provided length of the source field was not valid.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ540X

**EKYZ550E INTERNAL DPROP ERROR: INVALID
CALL FUNCTION FOR EKYZ550X**

Explanation: Module EKYZ550X was called by another IMS DPROP module with an invalid call function.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Contact IBM Software Support for assistance

Problem determination: Save the dump.

Module: EKYZ550X

**EKYZ600W NO //EKYTRACE DD STATEMENT
AND/OR I/O PCB PROVIDED**

Explanation: The IMS DPROP trace module could not start the tracing requested by other IMS DPROP modules because the //EKYTRACE DD statement is missing, the IMS PSB has no I/O PCB, or both.

Severity: Information.

System action: Processing continues.

User response: If you want trace output written to the //EKYTRACE data set, provide an //EKYTRACE DD statement. If you want trace output written to the IMS log, provide a PSB containing an I/O PCB.

Module: EKYZ600X

**EKYZ601E UNRECOGNIZED TRACE TYPE *ttype*
REQUESTED**

Explanation: This is an internal IMS DPROP error. Another IMS DPROP module called the IMS DPROP trace module EKYZ600X to perform a trace request, but the trace type is invalid.

Severity: Error.

System action: Processing continues.

System programmer response: Call IBM Software Support for assistance.

Module: EKYZ600X

**EKYZ602E IRRECOVERABLE ERROR WRITING TO
//EKYTRACE**

Explanation: An I/O error occurred while the trace module tried to write trace records to the //EKYTRACE data set.

Severity: Error.

System action: Processing continues.

Problem determination: For a description of the problem, see message EKYZ501E.

Module: EKYZ600X

EKYZ603E PSB I/O WORK AREA TOO SMALL

Explanation: The IMS DPROP trace module could not write trace records to the IMS log because the PSB I/O work area was too small.

Severity: Error.

System action: Processing continues.

User response: Specify an IOASIZE= value of at least 202 bytes on the PSBGEN macro.

Module: EKYZ600X

**EKYZ604E UNEXPECTED DL/I STATUS CODE *code*
RECEIVED**

Explanation: The trace module encountered an unexpected IMS status code while trying to issue DL/I log calls for writing trace records to the IMS log.

Severity: Error.

System action: Processing continues.

Problem determination: For an explanation of the IMS status code, see IMS/ESA Application Programming: DL/I Calls.

Module: EKYZ600X

EKYZ605E NO //EKYLOG DD STATEMENT PROVIDED

Explanation: The IMS DPROP trace module could not start the tracing requested by other IMS DPROP modules because the //EKYLOG DD statement is missing.

Severity: Information.

System action: Processing continues.

User response: If you want trace output written to the //EKYLOG data set, provide an //EKYLOG DD statement.

Module: EKYZ600X

EKYZ606E UNRECOVERABLE ERROR WRITING TO //EKYLOG

Explanation: An I/O error occurred while the trace module tried to write trace records to the //EKYLOG data set.

Severity: Error.

System action: Processing continues.

Problem determination: For a description of the problem, see message EKYZ501E.

Module: EKYZ600X

EKYZ620E UNEXPECTED PTD EYE-CATCHER

Explanation: A pointer to the IMS DPROP PTD control block does not point to a virtual storage area resembling the PTD. A possible reason for this problem is a virtual storage overlay.

Severity: Error.

System action: EKYZ620X issues an abend.

Problem determination: Save the dump and contact the IBM Software Support.

Module: EKYZ620X

EKYZ630W RECEIVED TRACE RECORD IS OUT OF SEQUENCE

Explanation: The trace formatter detected missing data when invoked from the IMS File Select and Formatting Print utility (DFSERA10). DFSERA10 passed a record to EKYZ630X without the required leading records for it.

Severity: Warning.

System action: Processing continues, but the trace record cannot be properly formatted for IMS DPROP purposes. The record in error is passed to the standard IMS Record Format and Print Module (DFSERA30), which prints the record in dump format.

User response: If the log input is on multiple files, check if the files are all allocated and if they are referred to in the correct sequence. You can ignore this warning if only a part of the log data is provided as input.

Module: EKYZ630X

EKYZ631W TRACE RECORD SIZE DOES NOT MATCH HEADER SPECIFICATION

Explanation: A trace record, which comprises multiple IMS log records, does not match the size indicated in the header.

Severity: Warning

System action: Processing continues, but the trace record cannot be properly formatted for IMS DPROP purposes. The record in error is passed to the standard IMS Record Format and Print Module (DFSERA30), which prints the record in dump format.

User response: Records are missing on the input log file; check this file for completeness. Call IBM Software Support if the error occurs multiple times during one execution and the log input file is actually an integer.

Module: EKYZ630X

EKYZ632W INCOMPLETE TRACE RECORD ENCOUNTERED

Explanation: A trace record, which comprises multiple IMS log records, cannot be completely reconstructed because of missing log records on the input file.

Severity: Warning

System action: Processing continues, but the trace record cannot be properly formatted for IMS DPROP purposes. The record in error is passed to the standard IMS Record Format and Print Module (DFSERA30), which prints the record in dump format.

User response: Check the IMS log input file for completeness. Call IBM Software Support if the error occurs multiple times during one execution and the log input file is actually an integer.

Module: EKYZ630X

EKYZ670E OPEN OF //EKY SNAP FAILED

Explanation: The module EKYZ670X was called by other IMS DPROP modules to write a snap of the whole MVS/ESA task to the //EKY SNAP DD statement. The MVS/ESA OPEN macro issued by EKYZ670X failed.

Severity: Error.

System action: IMS DPROP ignores the open failure and will not write a snap.

User response: Check if a //EKY SNAP DD statement was provided.

Problem determination: Determine why the //EKY SNAP data set could not be opened. Other messages issued by MVS/ESA may help you understand this failure.

Module: EKYZ670X

EKYZ671E SNAP ON //EKY SNAP FAILED, RETURN CODE=returncode

Explanation: Module EKYZ670X was called by other IMS DPROP modules to write a snap of the whole MVS/ESA task to the //EKY SNAP DD statement. The MVS/ESA SNAP macro issued by EKYZ670X failed with the shown return code.

Severity: Error.

System action: IMS DPROP ignores the snap failure and will not write a snap.

Problem determination: Refer to OS/390 MVS Application Development Macro Reference. for an explanation of the return codes of the MVS/ESA SNAP macro. If MVS/ESA issued additional messages, they may help you understand the failure.

Module: EKYZ670X

EKYZ700I DPROP SMF RECORDS NOT WRITTEN – RETURN CODE=returncode

Explanation: Module EKYZ700X encountered an error while attempting to write IMS DPROP records to SMF.

Severity: Information.

System action: Processing continues.

Problem determination: If the return code is not 60, the error was signaled by the MVS/ESA SMFEWMTM macro. For information on the SMFEWMTM macro return codes, see OS/390 MVS System Management Facilities.

If the return code is 60, an internal IMS DPROP error occurred. Report the error to the IBM Software Support.

Module: EKYZ700X

EKYZ800E INVALID CALL FUNCTION FOR EKYZ800X

Explanation: The IMS DPROP module EKYZ800E was called with an invalid call function by a program used to perform asynchronous data propagation.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Check why the

program calling EKYZ800X is providing an invalid call function.

Problem determination: Save the dump.

Module: EKYZ800X

EKYZ801E INVALID CALL PARAMETER LIST FOR EKYZ800X

Explanation: The IMS DPROP module EKYZ800E was called with an invalid call parameter list by a program used to perform asynchronous data propagation.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Check why the program calling EKYZ800X is providing an invalid call parameter list.

Problem determination: Save the dump.

Module: EKYZ800X

EKYZ802E DPROP INITIALIZATION FAILURE

Explanation: IMS DPROP initialization failed.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Check for previous error messages describing why the IMS DPROP initialization failed.

Problem determination: Save the dump and all job output.

Module: EKYZ800X

EKYZ803E ENVIRONMENT DESCRIBED BY CALLER OF EKYZ800X IS NOT SUPPORTED

Explanation: The IMS DPROP module EKYZ800E was called by a program used to perform asynchronous data propagation. The environment described in the second call parameter was not IMS, TSO, or CAF.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Check why the program calling EKYZ800X is providing an invalid environment description in the second call parameter.

Problem determination: Save the dump.

Module: EKYZ800X

Chapter 26. DPROP abend codes and reason codes

This chapter contains user abend codes and reason codes issued by DPROP. DPROP generates an abend code and a reason code which identify an error, and the module that detected the error and issued the abend. All DPROP modules begin with the prefix EKY.

User abend codes

To avoid confusion, DPROP uses different abend codes from those used by IBM products running in the same address space. DPROP issues user abends, not system abends.

Each DPROP component issues a different abend code, as shown in Table 1.

Table 1. Fm Variable:Table Sheet DPROP Abend Codes

Abend Code	Component ID	Component
1100	C	Consistency Check utility
1101	D	Map Capture Exit
1103	R	Relational Update Program
1105	V	Mapping Verification and Generation
1106 1107	Z Y	Service Functions
1108	X	CIA (Control Information Access)
1109	U	SQL Update Modules
1110	H	Hierarchical Update Program
1113	I	MQ Asynchronous

Abend reason codes

Abend reason codes consist of 4 bytes, 8 hexadecimal digits. The 2 high-order bytes correspond to the numeric portion of the module name; the 2 low-order bytes are unique numbers within that module.

Determining the DPROP module name

You can determine the name of the DPROP module issuing an Abend based on the abend code and abend reason code. For example, assume that you receive abend code 1103 and reason codeX'02700003'.

- Table 1 shows that the Relational Update Program (RUP) component issued abend 1103. The component ID for the RUP is R. Because all DPROP modules begin with the prefix EKY, the issuing module for this particular error begins with the letters EKYR.
- The high-order 2 bytes of the reason code is X'0270', so the numeric part of the module name is 270, expanding the module name to EKYR270.
- Even though you can't determine the eighth character of the module name by using the reason code, the first seven characters are enough to identify the module. (The last character is a character that IBM uses internally.) You can assume, therefore, that the module issuing the abend is EKYR270X. With few exceptions, however, the eighth character of the DPROP modules is X.
- The low-order 2 bytes of the reason code (X'0003') identify a specific error within module EKYR270X.

Abend code 1100

1100

Reason Code: 09050001

Explanation: Refer to message EKYC905E.

Abend code 1101

1101

Reason Code: 00000001

Explanation: A rollback issued after an unexpected SQL code could not be performed successfully.

Abend code 1103

1103**Reason Code:** 00000000**Explanation:** Refer to message EKYR000E.

1103**Reason Code:** 00100010**Explanation:** Refer to message EKYR010E.

1103**Reason Code:** 00100011**Explanation:** Refer to message EKYR011E.

1103**Reason Code:** 00100012**Explanation:** Refer to message EKYR012E.

1103**Reason Code:** 00100013**Explanation:** Refer to message EKYR013E.

1103**Reason Code:** 00100014**Explanation:** Refer to message EKYR014E.

1103**Reason Code:** 00100015**Explanation:** Refer to message EKYR015E.

1103**Reason Code:** 00100016**Explanation:** Refer to message EKYR016E

1103**Reason Code:** 00100017**Explanation:** Refer to message EKYR017E

1103**Reason Code:** 00100018**Explanation:** Refer to message EKYR018E

1103**Reason Code:** 00100050**Explanation:** Refer to message EKYR050E.

1103**Reason Code:** 00100051**Explanation:** Refer to message EKYR051E.

1103**Reason Code:** 00100052**Explanation:** Refer to message EKYR052E.

1103**Reason Code:** 00100053**Explanation:** Refer to message EKYR053E.

1103**Reason Code:** 00100054**Explanation:** Refer to message EKYR054E.

1103**Reason Code:** 00200055**Explanation:** Refer to message EKYR055E.

1103**Reason Code:** 00200056**Explanation:** Refer to message EKYR056E.

1103**Reason Code:** 00200057**Explanation:** Refer to message EKYR057E.

1103**Reason Code:** 00200058**Explanation:** Refer to message EKYR058E.

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1103**Reason Code:** 00200062**Explanation:** Refer to message EKYR062E.

1103**Reason Code:** 00200063**Explanation:** Refer to message EKYR063E.

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1103**Reason Code:** 00200070**Explanation:** Refer to message EKYR070E.

1103**Reason Code:** 00200071**Explanation:** Refer to message EKYR071E.

1103**Reason Code:** 00200072**Explanation:** Refer to message EKYR072E.

1103**Reason Code:** 00200073**Explanation:** Refer to message EKYR073E.

1103**Reason Code:** 00200074**Explanation:** Refer to message EKYR074E.

1103**Reason Code:** 00200075**Explanation:** Refer to message EKYR075E.

1103**Reason Code:** 00200076**Explanation:** Refer to message EKYR076E.

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1103**Reason Code:** 00200078**Explanation:** Refer to message EKYR078E.

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1103**Reason Code:** 00200091**Explanation:** Refer to message EKYR091E.

1103**Reason Code:** 00200092**Explanation:** Refer to message EKYR092E.

1103**Reason Code:** 00200093**Explanation:** Refer to message EKYR093E.

1103**Reason Code:** 00300055**Explanation:** Refer to message EKYR055E.

1103**Reason Code:** 00300056**Explanation:** Refer to message EKYR056E.

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1103**Reason Code:** 00600092**Explanation:** Refer to message EKYR092E.

1103**Reason Code:** 01000100**Explanation:** Refer to message EKYR100E.

1103**Reason Code:** 01000101**Explanation:** Refer to message EKYR101E.

1103**Reason Code:** 01000102**Explanation:** Refer to message EKYR102E.

1103**Reason Code:** 01000103**Explanation:** Refer to message EKYR103E.

1103**Reason Code:** 01000104**Explanation:** Refer to message EKYR104E.

1103**Reason Code:** 01000105**Explanation:** Refer to message EKYR105E.

1103**Reason Code:** 01000106**Explanation:** Refer to message EKYR106E.

1103**Reason Code:** 01000107**Explanation:** Refer to message EKYR107E.

1103**Reason Code:** 01000108**Explanation:** Refer to message EKYR108E.

1103**Reason Code:** 01000109**Explanation:** Refer to message EKYR109E.

1103**Reason Code:** 01000110**Explanation:** Refer to message EKYR110E.

1103**Reason Code:** 01500150**Explanation:** Refer to message EKYR150E.

1103**Reason Code:** 01500151**Explanation:** Refer to message EKYR151E.

1103**Reason Code:** 01500152**Explanation:** Refer to message EKYR152E.

1103**Reason Code:** 02000068**Explanation:** Refer to message EKYR068E.

1103**Reason Code:** 02000069**Explanation:** Refer to message EKYR069E.

1103**Reason Code:** 02000200**Explanation:** Refer to message EKYR200E.

1103**Reason Code:** 02000201**Explanation:** Refer to message EKYR201E.

1103**Reason Code:** 02000202**Explanation:** Refer to message EKYR202E.

1103**Reason Code:** 02000203**Explanation:** Refer to message EKYR203E.

1103**Reason Code:** 03000000**Explanation:** Refer to message EKYR300E.

1103**Reason Code:** 03600002**Explanation:** A DL/I ROLB call issued by the RUP failed. Typically, this happens in IMS batch regions if:

- The BKO= keyword of the IMS batch JCL has not been set to **Y**, or
- Your installation is not running with DASD IMS logging.

1103**Reason Code:** 03600003**Explanation:** Refer to message EKYR363E.

1103**Reason Code:** 03600004**Explanation:** Refer to message EKYR364E.

1103**Reason Code:** 04100000**Explanation:** Refer to message EKYR410E.

1103**Reason Code:** 04100001**Explanation:** Refer to message EKYR411E.

1103**Reason Code:** 04200000**Explanation:** Refer to message EKYR420E.

1103**Reason Code:** 04200001**Explanation:** Refer to message EKYR421E.

1103**Reason Code:** 04500004**Explanation:** Refer to message EKYR454E.

1103**Reason Code:** 05000501**Explanation:** Refer to message EKYR501E.

1103**Reason Code:** 05000502**Explanation:** Refer to message EKYR502E.

1103**Reason Code:** 09100000**Explanation:** Synchronous propagation was attempted without the synchronous feature being installed. Install the synchronous feature and reexecute the function.

1103

Reason Code: 09610000

Explanation: An SQL update module encountered a propagation failure. EKYUnnnn messages issued before this abend by the same job step describe the error.

1103

Reason Code: 09700001

Explanation: A DPROF module detected a storage overlay. The overlayed storage is located immediately beyond the interface control block of a Field exit routine. It is likely that this storage overlay has been created by the most recent invocation of a user Field exit routine.

The name of the most recently invoked Field exit routine can be found in either:

- The UDT interface control block (pointed to by Register 6 at the time of the abend), or
- The most recent DPROF incore trace entry.

1103

Reason Code: 09700002

Explanation: A DPROF module detected a storage overlay. The overlayed storage is located immediately beyond the output area of a Field exit routine. It is likely that this storage overlay has been created by the most recent invocation of a user Field exit routine.

The name of the most recently invoked Field exit routine can be found in either:

- The UDT interface control block (pointed to by Register 6 at the time of the abend), or
- The most recent DPROF incore trace entry.

1103

Reason Code: 09700003

Explanation: A DPROF module detected a storage overlay. The overlayed storage is located immediately beyond the 64-byte anchor area of a Field exit routine. It is likely that this storage overlay has been created by the most recent invocation of a user Field exit routine.

The name of the most recently invoked Field exit routine can be found in either:

- The UDT interface control block (pointed to by Register 6 at the time of the abend), or
- The most recent DPROF incore trace entry.

1103

Reason Code: 09700972

Explanation: Refer to message EKYR972E.

1103

Reason Code: 09700973

Explanation: Refer to message EKYR973E.

1103

Reason Code: 09700974

Explanation: Refer to message EKYR974E.

1103

Reason Code: 09700997

Explanation: Refer to message EKYR997E.

1103

Reason Code: 09700998

Explanation: Refer to message EKYR998E.

1103

Reason Code: 09700999

Explanation: Refer to message EKYR999E.

1103

Reason Code: 0971 *nnnn*

Explanation: A Field exit routine returned to DPROF with an error indication. The *nnnn* part of the reason code consists of the 2 low-order bytes of the return code (in hexadecimal) that the Field exit routine placed in the UDTXRETC field of the interface block UDT. Messages EKYR971E and EKYR993E provide additional information about the error.

1103

Reason Code: 09800001

Explanation: A DPROF module detected a storage overlay. The overlayed storage is located immediately beyond the interface control block of a Segment exit routine. It is likely that this storage overlay has been created by the most recent invocation of a user Segment exit routine.

The name of the most recently invoked Segment exit routine can be found either:

- In the DAX interface control block (pointed to by Register 6 at the time of the abend), or
- In the most recent DPROF incore trace entry.

1103**Reason Code:** 09800002

Explanation: A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the output area of a Segment exit routine. It is likely that this storage overlay has been created by the most recent invocation of a user Segment exit routine.

The name of the most recently invoked Segment exit routine can be found either:

- In the DAX interface control block (pointed to by Register 6 at the time of theabend), or
- In the most recent DPROP incore trace entry.

1103**Reason Code:** 09800003

Explanation: A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the 64-byte anchor area of a Segment exit routine. It is likely that this storage overlay has been created by the most recent invocation of a user Segment exit routine.

The name of the most recently invoked Segment exit routine can be found either:

- In the DAX interface control block (pointed to by Register 6 at the time of theabend), or
- In the most recent DPROP incore trace entry.

1103**Reason Code:** 09800982

Explanation: Refer to message EKYR982E.

1103**Reason Code:** 09800983

Explanation: Refer to message EKYR983E.

1103**Reason Code:** 09800984

Explanation: Refer to message EKYR984E.

1103**Reason Code:** 09800985

Explanation: Refer to message EKYR985E.

1103**Reason Code:** 09800986

Explanation: Refer to message EKYR986E.

1103**Reason Code:** 09800987

Explanation: Refer to message EKYR987E.

1103**Reason Code:** 09800997

Explanation: Refer to message EKYR997E.

1103**Reason Code:** 09800998

Explanation: Refer to message EKYR998E.

1103**Reason Code:** 09800999

Explanation: Refer to message EKYR999E.

1103**Reason Code:** 0981 *nnnn*

Explanation: A Segment exit routine returned to DPROP with an error indication. The *nnnn* part of the reason code consists of the 2 low-order bytes of the return code (in hexadecimal) that the Field exit routine placed in the DAXRETC field of the interface block DAX. Messages EKYR981E and EKYR991E provide additional information.

1103**Reason Code:** 09900001

Explanation: A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the interface control block of a Propagation exit routine. It is likely that this storage overlay has been created by the most recent invocation of a user Propagation exit routine.

The name of the most recently invoked Propagation exit routine can be found either:

- In the PIC interface control block (pointed to by Register 6 at the time of theabend), or
- In the most recent DPROP incore trace entry.

1103**Reason Code:** 09900092

Explanation: Refer to message EKYR092E.

1103**Reason Code:** 09900997**Explanation:** Refer to message EKYR997E.

1103**Reason Code:** 09900998**Explanation:** Refer to message EKYR998E.

1103**Reason Code:** 09900999**Explanation:** Refer to message EKYR999E.

1103**Reason Code:** 0991 *nnnn***Explanation:** A Propagation exit routine returned to DPROP with an error indication. The *nnnn* part of the reason code consists of the 2 low order bytes (in hexadecimal) of the return code that the Propagation exit routine placed in the PICXRETC field of the interface block PIC. Message EKYR991E and messages created by the Propagation exit routine provide additional information.

Abend code 1105

1105**Reason Code:** 00000001**Explanation:** A rollback issued after an unexpected SQL code could not be performed successfully.

Abend code 1106

1106**Reason Code:** 00000001**Explanation:** Refer to message EKYZ001E.

1106**Reason Code:** 00000003**Explanation:** Refer to message EKYZ003E.

1106**Reason Code:** 00000004**Explanation:** Refer to message EKYZ004E.

1106**Reason Code:** 00000AA0**Explanation:** An internal DPROP error occurred. A DPROP module requested a module work area larger than the maximum size supported by DPROP.**System programmer response:** Report the problem to the IBM Software Support.**Problem determination:** Register 12 contains the entry point address of the CSECT that requested this work area. The entry point is followed by the CSECT SAVEID containing the CSECT name.

1106**Reason Code:** 00500001**Explanation:** Refer to message EKYZ051E.

1106**Reason Code:** 00500002**Explanation:** Refer to message EKYZ052E.

1106**Reason Code:** 00500003**Explanation:** Refer to message EKYZ053E.

1106**Reason Code:** 00600000**Explanation:** Refer to message EKYZ060E.

1106**Reason Code:** 00600001**Explanation:** Refer to message EKYZ061E.

1106**Reason Code:** 00600002**Explanation:** Refer to message EKYZ062E.

1106**Reason Code:** 00600003**Explanation:** Refer to message EKYZ063E.

1106**Reason Code:** 00600004**Explanation:** Refer to message EKYZ064E.

1106**Reason Code:** 00600006**Explanation:** Refer to message EKYZ066E.

1106**Reason Code:** 00600007**Explanation:** Refer to message EKYZ067E.

1106**Reason Code:** 00600008**Explanation:** Refer to message EKYZ068E.

1106**Reason Code:** 00600009**Explanation:** Refer to message EKYZ069E.

1106**Reason Code:** 00600010**Explanation:** Refer to message EKYZ070E.

1106**Reason Code:** 00600011**Explanation:** Refer to message EKYZ071E.

1106**Reason Code:** 00600012**Explanation:** Refer to message EKYZ072E.

1106**Reason Code:** 00700005**Explanation:** Refer to message EKYZ075E.

1106**Reason Code:** 00700006**Explanation:** Refer to message EKYZ076E.

1106**Reason Code:** 00700007**Explanation:** Refer to message EKYZ077E.

1106**Reason Code:** 00700008**Explanation:** Refer to message EKYZ078E.

1106**Reason Code:** 00700009**Explanation:** Refer to message EKYZ079E.

1106**Reason Code:** 00800000**Explanation:** Refer to message EKYZ080E.

1106**Reason Code:** 00800001**Explanation:** Refer to message EKYZ081E.

1106**Reason Code:** 00800003**Explanation:** Refer to message EKYZ083E.

1106**Reason Code:** 00800004**Explanation:** Refer to message EKYZ084E.

1106**Reason Code:** 00800005**Explanation:** Refer to message EKYZ085E.

1106**Reason Code:** 00800006**Explanation:** Refer to message EKYZ086E.

1106**Reason Code:** 00800007**Explanation:** Refer to message EKYZ087E.

1106**Reason Code:** 00800008**Explanation:** Refer to message EKYZ088E.

1106**Reason Code:** 00800009**Explanation:** Refer to message EKYZ089E.

1106**Reason Code:** 00800010**Explanation:** Refer to message EKYZ090E.

1106**Reason Code:** 01500000**Explanation:** Refer to message EKYZ150E.

1106**Reason Code:** 01500001**Explanation:** Refer to message EKYZ151E.

1106**Reason Code:** 01500002**Explanation:** Refer to message EKYZ152E.

1106**Reason Code:** 01500003**Explanation:** Refer to message EKYZ153E.

1106**Reason Code:** 01500004**Explanation:** Refer to message EKYZ154E.

1106**Reason Code:** 01500007**Explanation:** Refer to message EKYZ157E.

1106**Reason Code:** 01500008**Explanation:** Refer to message EKYZ158E.

1106**Reason Code:** 01600000**Explanation:** Refer to message EKYZ160E.

1106**Reason Code:** 01600001**Explanation:** Refer to message EKYZ161E.

1106**Reason Code:** 01600002**Explanation:** Refer to message EKYZ162E.

1106**Reason Code:** 01600003**Explanation:** Refer to message EKYZ163E.

1106**Reason Code:** 02000000**Explanation:** Refer to message EKYZ200E.

1106**Reason Code:** 02000001**Explanation:** Refer to message EKYZ201E.

1106**Reason Code:** 02000002**Explanation:** Refer to message EKYZ202E.

1106**Reason Code:** 02000003**Explanation:** Refer to message EKYZ203E.

1106**Reason Code:** 02000004**Explanation:** Refer to message EKYZ204E.

1106**Reason Code:** 02000005**Explanation:** Refer to message EKYZ205E.

1106**Reason Code:** 02000006**Explanation:** Refer to message EKYZ206E.

1106**Reason Code:** 02200000**Explanation:** Refer to message EKYZ220E.

1106**Reason Code:** 02200001**Explanation:** Refer to message EKYZ221E.

1106**Reason Code:** 02300001**Explanation:** Refer to message EKYZ230E.

1106**Reason Code:** 02400000**Explanation:** Refer to message EKYZ240E.

1106**Reason Code:** 02400001**Explanation:** Refer to message EKYZ241E.

1106**Reason Code:** 02400002**Explanation:** Refer to message EKYZ242E.

1106**Reason Code:** 03000001**Explanation:** Refer to message EKYZ325E.

1106**Reason Code:** 03000002**Explanation:** Refer to message EKYZ331E.

1106**Reason Code:** 03000003**Explanation:** Refer to message EKYZ332E.

1106**Reason Code:** 03500001**Explanation:** Refer to message EKYZ351E.

1106**Reason Code:** 03500002**Explanation:** Refer to message EKYZ352E.

1106**Reason Code:** 03500003**Explanation:** Refer to message EKYZ353E.

1106**Reason Code:** 03500004**Explanation:** Refer to message EKYZ354E.

1106**Reason Code:** 04500000**Explanation:** Refer to message EKYZ450E.

1106**Reason Code:** 04500001**Explanation:** Refer to message EKYZ451E.

1106**Reason Code:** 04500002**Explanation:** Refer to message EKYZ452E.

1106**Reason Code:** 04500004**Explanation:** Refer to message EKYZ454E.

1106**Reason Code:** 04500005**Explanation:** Refer to message EKYZ455E.

1106**Reason Code:** 05000000**Explanation:** Refer to message EKYZ500E.

1106**Reason Code:** 05000003**Explanation:** Refer to message EKYZ503E.

1106**Reason Code:** 05000004**Explanation:** Refer to message EKYZ504E.

1106**Reason Code:** 05000005**Explanation:** Refer to message EKYZ505E.

1106**Reason Code:** 05000006**Explanation:** Refer to message EKYZ506E.

1106**Reason Code:** 05000007**Explanation:** Refer to message EKYZ507E.

1106**Reason Code:** 05000008**Explanation:** Refer to message EKYZ508E.

1106**Reason Code:** 05200000**Explanation:** Refer to message EKYZ520E.

1106**Reason Code:** 05500000**Explanation:** Refer to message EKYZ550E.

1106**Reason Code:** 06200000**Explanation:** Refer to message EKYZ620E.

1106**Reason Code:** 08000000**Explanation:** Refer to message EKYZ800E.

1106**Reason Code:** 08000001**Explanation:** Refer to message EKYZ801E.

1106**Reason Code:** 08000002**Explanation:** Refer to message EKYZ802E.

1106**Reason Code:** 08000003**Explanation:** Refer to message EKYZ803E.

1106**Reason Code:** 10900000**Explanation:** Refer to message EKYZM90X.

1106**Reason Code:** 10910000**Explanation:** Refer to message EKYZM91X.

1106**Reason Code:** 10920000**Explanation:** Refer to message EKYZM92X.

1106**Reason Code:** 10930000**Explanation:** Refer to message EKYZM93X.

Abend code 1107

1107**Reason Code:** 00000000**Explanation:** Refer to message EKYY000E.

1107**Reason Code:** 00000001**Explanation:** Refer to message EKYY001E.

1107**Reason Code:** 00000002**Explanation:** Refer to message EKYY002E.

1107**Reason Code:** 00000003**Explanation:** Refer to message EKYY003E.

1107**Reason Code:** 00000004**Explanation:** Refer to message EKYY004E.

1107**Reason Code:** 00000005**Explanation:** Refer to message EKYY005E.

1107**Reason Code:** 00000006**Explanation:** Refer to message EKYY006E.

1107**Reason Code:** 00000007**Explanation:** Refer to message EKYY007E.

1107**Reason Code:** 00000008**Explanation:** Refer to message EKYY008E.

1107**Reason Code:** 00000009**Explanation:** Refer to message EKYY009E.

1107**Reason Code:** 00020000**Explanation:** Refer to message EKYY300E.

1107**Reason Code:** 00020001**Explanation:** Refer to message EKYY301E.

1107**Reason Code:** 00020002**Explanation:** Refer to message EKYY302E.

1107**Reason Code:** 00020004**Explanation:** Refer to message EKYY304E.

1107**Reason Code:** 00020005**Explanation:** Refer to message EKYY305E.

1107**Reason Code:** 00020006**Explanation:** Refer to message EKYY306E.

1107**Reason Code:** 00100001**Explanation:** Refer to message EKYY011E.

1107**Reason Code:** 00100002**Explanation:** Refer to message EKYY012E.

1107**Reason Code:** 00100003**Explanation:** Refer to message EKYY013E.

1107**Reason Code:** 00100004**Explanation:** Refer to message EKYY014E.

1107**Reason Code:** 00100005**Explanation:** Refer to message EKYY015E.

1107**Reason Code:** 00100006**Explanation:** Refer to message EKYY016E.

1107**Reason Code:** 00100007**Explanation:** Refer to message EKYY017E.

1107**Reason Code:** 00100008**Explanation:** Refer to message EKYY018E.

1107

Reason Code: 00100009

Explanation: Refer to message EKYY019E.

Abend code 1108

1108

Reason Code: 00000990

Explanation: Refer to message EKYX990E.

1108

Reason Code: 00000991

Explanation: Refer to message EKYX991E.

1108

Reason Code: 01000000

Explanation: Refer to message EKYX100E.

1108

Reason Code: 01000001

Explanation: Refer to message EKYX101E.

1108

Reason Code: 01000002

Explanation: Refer to message EKYX102E.

1108

Reason Code: 01000003

Explanation: Refer to message EKYX103E.

1108

Reason Code: 01000004

Explanation: Refer to message EKYX104E.

1108

Reason Code: 01000005

Explanation: Refer to message EKYX105E.

1108

Reason Code: 01000006

Explanation: Refer to message EKYX106E.

1108

Reason Code: 01000007

Explanation: Refer to message EKYX107E.

1108

Reason Code: 01000008

Explanation: Refer to message EKYX108E.

1108

Reason Code: 01000009

Explanation: Refer to message EKYX109E.

1108

Reason Code: 01000010

Explanation: Refer to message EKYX110E.

1108

Reason Code: 01000011

Explanation: Refer to message EKYX111E.

1108

Reason Code: 01000012

Explanation: Refer to message EKYX112E.

1108

Reason Code: 01000013

Explanation: Refer to message EKYX113E.

1108

Reason Code: 01000014

Explanation: Refer to message EKYX114E.

1108

Reason Code: 01000015

Explanation: Refer to message EKYX115E.

1108

Reason Code: 01300000

Explanation: Refer to message EKYX130E.

1108**Reason Code:** 01300001**Explanation:** Refer to message EKYX131E.

1108**Reason Code:** 01300002**Explanation:** Refer to message EKYX132E.

1108**Reason Code:** 01300007**Explanation:** Refer to message EKYX137E.

1108**Reason Code:** 01300008**Explanation:** Refer to message EKYX138E.

1108**Reason Code:** 02100000**Explanation:** Refer to message EKYX210E.

1108**Reason Code:** 02100001**Explanation:** Refer to message EKYX211E.

1108**Reason Code:** 02100002**Explanation:** Refer to message EKYX212E.

1108**Reason Code:** 02600000**Explanation:** Refer to message EKYX260E.

1108**Reason Code:** 02900000**Explanation:** Refer to message EKYX290E.

1108**Reason Code:** 02900001**Explanation:** Refer to message EKYX291E.

1108**Reason Code:** 02900002**Explanation:** Refer to message EKYX292E.

1108**Reason Code:** 02900003**Explanation:** Refer to message EKYX293E.

1108**Reason Code:** 02900004**Explanation:** Refer to message EKYX294E.

1108**Reason Code:** 02900005**Explanation:** Refer to message EKYX295E.

1108**Reason Code:** 02900006**Explanation:** Refer to message EKYX296E.

1108**Reason Code:** 02900007**Explanation:** Refer to message EKYX297E.

1108**Reason Code:** 02900008**Explanation:** Refer to message EKYX298E.

1108**Reason Code:** 02900009**Explanation:** Refer to message EKYX299E.

1108**Reason Code:** 03000000**Explanation:** Refer to message EKYX300E.

1108**Reason Code:** 03000001**Explanation:** Refer to message EKYX301E.

1108**Reason Code:** 03000002**Explanation:** Refer to message EKYX302E.

1108**Reason Code:** 03500000**Explanation:** Refer to message EKYX350E.

1108**Reason Code:** 03500001**Explanation:** Refer to message EKYX351E.

1108**Reason Code:** 03500002**Explanation:** Refer to message EKYX352E.

1108**Reason Code:** 03500003**Explanation:** Refer to message EKYX353E.

1108**Reason Code:** 03500004**Explanation:** Refer to message EKYX354E.

1108**Reason Code:** 03500005**Explanation:** Refer to message EKYX355E.

1108**Reason Code:** 03500006**Explanation:** Refer to message EKYX356E.

1108**Reason Code:** 03500007**Explanation:** Refer to message EKYX357E.

1108**Reason Code:** 03500012**Explanation:** Refer to message EKYX362E.

1108**Reason Code:** 03500013**Explanation:** Refer to message EKYX363E.

1108**Reason Code:** 03500014**Explanation:** Refer to message EKYX364E.

1108**Reason Code:** 03500015**Explanation:** Refer to message EKYX365E.

1108**Reason Code:** 04000000**Explanation:** Refer to message EKYX400E.

1108**Reason Code:** 04000001**Explanation:** Refer to message EKYX401E.

1108**Reason Code:** 04000002**Explanation:** Refer to message EKYX402E.

1108**Reason Code:** 04000004**Explanation:** Refer to message EKYX404E.

1108**Reason Code:** 04000005**Explanation:** Refer to message EKYX405E.

1108**Reason Code:** 04000006**Explanation:** Refer to message EKYX406E.

1108**Reason Code:** 04100001**Explanation:** Refer to message EKYX411E.

1108**Reason Code:** 04100002**Explanation:** Refer to message EKYX412E.

1108**Reason Code:** 04100004**Explanation:** Refer to message EKYX414E.

1108**Reason Code:** 04100005**Explanation:** Refer to message EKYX415E.

1108**Reason Code:** 04100006**Explanation:** Refer to message EKYX416E.

1108**Reason Code:** 04100007**Explanation:** Refer to message EKYX417E.

1108**Reason Code:** 04100008**Explanation:** Refer to message EKYX418E.

1108**Reason Code:** 04100009**Explanation:** Refer to message EKYX419E.

1108**Reason Code:** 04200000**Explanation:** Refer to message EKYX420E.

1108**Reason Code:** 04200001**Explanation:** Refer to message EKYX421E.

1108**Reason Code:** 04200002**Explanation:** Refer to message EKYX422E.

1108**Reason Code:** 04200003**Explanation:** Refer to message EKYX423E.

1108**Reason Code:** 04200004**Explanation:** Refer to message EKYX424E.

1108**Reason Code:** 04200005**Explanation:** Refer to message EKYX425E.

1108**Reason Code:** 04200006**Explanation:** Refer to message EKYX426E.

1108**Reason Code:** 04200007**Explanation:** Refer to message EKYX427E.

1108**Reason Code:** 04200008**Explanation:** Refer to message EKYX428E.

1108**Reason Code:** 04200009**Explanation:** Refer to message EKYX429E.

1108**Reason Code:** 04200010**Explanation:** Refer to message EKYX430E.

1108**Reason Code:** 04200011**Explanation:** Refer to message EKYX431E.

1108**Reason Code:** 04500001**Explanation:** Refer to message EKYX451E.

1108**Reason Code:** 04500002**Explanation:** Refer to message EKYX452E.

1108**Reason Code:** 04500004**Explanation:** Refer to message EKYX454E.

1108**Reason Code:** 04500006**Explanation:** Refer to message EKYX456E.

1108**Reason Code:** 04500007**Explanation:** Refer to message EKYX457E.

1108**Reason Code:** 04500008**Explanation:** Refer to message EKYX458E.

1108**Reason Code:** 05000000**Explanation:** Refer to message EKYX500E.

1108**Reason Code:** 05000001**Explanation:** Refer to message EKYX501E.

1108**Reason Code:** 05000002**Explanation:** Refer to message EKYX502E.

1108**Reason Code:** 05000003**Explanation:** Refer to message EKYX503E.

1108**Reason Code:** 05200000**Explanation:** Refer to message EKYX520E.

1108**Reason Code:** 05200001**Explanation:** Refer to message EKYX521E.

1108**Reason Code:** 05200002**Explanation:** Refer to message EKYX522E.

1108**Reason Code:** 05400000**Explanation:** Refer to message EKYX540E.

1108**Reason Code:** 05600001**Explanation:** Refer to message EKYX561E.

1108**Reason Code:** 05600002**Explanation:** Refer to message EKYX562E.

1108**Reason Code:** 05600003**Explanation:** Refer to message EKYX563E.

1108**Reason Code:** 05600004**Explanation:** Refer to message EKYX564E.

1108**Reason Code:** 05600007**Explanation:** Refer to message EKYX567E.

1108**Reason Code:** 05600008**Explanation:** Refer to message EKYX568E.

1108**Reason Code:** 06000000**Explanation:** Refer to message EKYX600E.

1108**Reason Code:** 06000001**Explanation:** Refer to message EKYX601E.

1108**Reason Code:** 06000002**Explanation:** Refer to message EKYX602E.

1108**Reason Code:** 06000004**Explanation:** Refer to message EKYX604E.

1108**Reason Code:** 06000005**Explanation:** Refer to message EKYX605E.

1108**Reason Code:** 06000006**Explanation:** Refer to message EKYX606E.

1108**Reason Code:** 06000007**Explanation:** Refer to message EKYX607E.

1108**Reason Code:** 06100000**Explanation:** Refer to message EKYX610E.

1108**Reason Code:** 06100001**Explanation:** Refer to message EKYX611E.

1108**Reason Code:** 06100002**Explanation:** Refer to message EKYX612E.

1108**Reason Code:** 06100003**Explanation:** Refer to message EKYX613E.

1108**Reason Code:** 06100004**Explanation:** Refer to message EKYX614E.

1108**Reason Code:** 06100005**Explanation:** Refer to message EKYX615E.

1108**Reason Code:** 07000000**Explanation:** Refer to message EKYX700E.

1108**Reason Code:** 07000001**Explanation:** Refer to message EKYX701E.

1108**Reason Code:** 07000002**Explanation:** Refer to message EKYX702E.

1108**Reason Code:** 07000005**Explanation:** Refer to message EKYX705E.

1108**Reason Code:** 07000009**Explanation:** Refer to message EKYX709E.

1108**Reason Code:** 08000000**Explanation:** Refer to message EKYX800E.

1108**Reason Code:** 08000001**Explanation:** Refer to message EKYX801E.

1108**Reason Code:** 08000002**Explanation:** Refer to message EKYX802E.

1108**Reason Code:** 08000005**Explanation:** Refer to message EKYX805E.

1108**Reason Code:** 08000009**Explanation:** Refer to message EKYX809E.

1108**Reason Code:** 08300001**Explanation:** Control Block Version of RUP and HUP do not match. There is probably a storage overlay problem.

Call the IBM Software Support for assistance.

1108**Reason Code:** 08500000**Explanation:** Refer to message EKYX850E.

1108**Reason Code:** 08500001**Explanation:** Refer to message EKYX851E.

1108**Reason Code:** 08500002**Explanation:** Refer to message EKYX852E.

1108**Reason Code:** 08500003**Explanation:** Refer to message EKYX853E.

1108**Reason Code:** 08500004**Explanation:** Refer to message EKYX854E.

1108**Reason Code:** 08500005**Explanation:** Refer to message EKYX855E.

1108**Reason Code:** 08500006**Explanation:** Refer to message EKYX856E.

1108**Reason Code:** 08500007**Explanation:** Refer to message EKYX857E.

1108**Reason Code:** 08600000**Explanation:** Refer to message EKYX860E.

1108**Reason Code:** 08600001**Explanation:** Refer to message EKYX861E.

1108**Reason Code:** 08600002**Explanation:** Refer to message EKYX862E.

1108**Reason Code:** 08600003**Explanation:** Refer to message EKYX863E.

1108**Reason Code:** 08600004**Explanation:** Refer to message EKYX864E.

1108**Reason Code:** 08600005**Explanation:** Refer to message EKYX865E.

1108**Reason Code:** 08600006**Explanation:** Refer to message EKYX866E.

1108**Reason Code:** 08600007**Explanation:** Refer to message EKYX867E.

1108**Reason Code:** 08800000**Explanation:** Refer to message EKYX880E.

1108**Reason Code:** 09000000**Explanation:** Refer to message EKYX900E.

1108**Reason Code:** 09000001**Explanation:** Refer to message EKYX901E.

1108**Reason Code:** 09000005**Explanation:** Refer to message EKYX905E.

1108**Reason Code:** 0A510000**Explanation:** The EKYGMTS allocation interface module EKYXA51X was called with an invalid function code in register 1. This is an internal DPROP error.

Refer to message EKYXA52E.

1108**Reason Code:** 0A510001**Explanation:** The EKYGMTS allocation interface module EKYXA51X received a non-zero return code from a RDJFCB macro call. TIOT table contains the EKYGMTS DDNAME, but the JFCB cannot be read. This is an internal system error.

Refer to message EKYXA53E.

1108**Reason Code:** 0A510002**Explanation:** The EKYGMTS allocation interface module EKYXA51X detected that the EKYGMTS DSNAMES on the DD statement does not match the one specified on the DPROPGEN parms. The user should correct the DSNAMES.

Refer to message EKYXA54E.

1108**Reason Code:** 0A510003**Explanation:** The EKYGMTS allocation interface module EKYXA51X received a non-zero return code from the GMTS dynamic allocation module. This is an internal system error. In the PTD register area (PTDREGAB): register 15 contains the ECB return code and register 1 contains the address of the ECB.

Refer to message EKYXA55E.

1108**Reason Code:** 0F200000**Explanation:** Refer to message EKYZM20E.

Abend code 1109

1109**Reason Code:** 1**Explanation:** Refer to message EKYU001E.

Abend code 1110

1110**Reason Code:** 00000000**Explanation:** Refer to message EKYH000E.

1110**Reason Code:** 00000001**Explanation:** Refer to message EKYH001E.

1110**Reason Code:** 00000002**Explanation:** Refer to message EKYH002E.

1110**Reason Code:** 00000003**Explanation:** Refer to message EKYH003E.

1110**Reason Code:** 00000004**Explanation:** Refer to message EKYH004E.

1110**Reason Code:** 00000005**Explanation:** Refer to message EKYH005E.

1110**Reason Code:** 00000006**Explanation:** Refer to message EKYH006E.

1110
Reason Code: 00100010
Explanation: Refer to message EKYH010E.

1110
Reason Code: 00100011
Explanation: Refer to message EKYH011E.

1110
Reason Code: 00100012
Explanation: Refer to message EKYH012E.

1110
Reason Code: 00100013
Explanation: Refer to message EKYH013E.

1110
Reason Code: 00100014
Explanation: Refer to message EKYH014E.

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Reason Code: 00100015
Explanation: Refer to message EKYH015E.

1110
Reason Code: 00100016
Explanation: Refer to message EKYH016E.

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Reason Code: 00100017
Explanation: Refer to message EKYH017E.

1110
Reason Code: 00100018
Explanation: Refer to message EKYH018E.

1110
Reason Code: 00200020
Explanation: Refer to message EKYH020E.

1110
Reason Code: 00200021
Explanation: Refer to message EKYH021E.

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Reason Code: 00200022
Explanation: Refer to message EKYH022E.

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Reason Code: 00200023
Explanation: Refer to message EKYH023E.

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Reason Code: 00200024
Explanation: Refer to message EKYH024E.

1110
Reason Code: 00200025
Explanation: Refer to message EKYH025E.

1110
Reason Code: 00200026
Explanation: Refer to message EKYH026E.

1110
Reason Code: 00200027
Explanation: Refer to message EKYH027E.

1110
Reason Code: 00200028
Explanation: Refer to message EKYH028E.

1110
Reason Code: 00500050
Explanation: Refer to message EKYH050E.

1110
Reason Code: 00500051
Explanation: Refer to message EKYH051E.

1110**Reason Code:** 01000100**Explanation:** Refer to message EKYH100E.

1110**Reason Code:** 01000101**Explanation:** Refer to message EKYH101E.

1110**Reason Code:** 01000102**Explanation:** Refer to message EKYH102E.

1110**Reason Code:** 01000103**Explanation:** Refer to message EKYH103E.

1110**Reason Code:** 01000104**Explanation:** Refer to message EKYH104E.

1110**Reason Code:** 01000105**Explanation:** Refer to message EKYH105E.

1110**Reason Code:** 01000106**Explanation:** Refer to message EKYH106E.

1110**Reason Code:** 01000107**Explanation:** Refer to message EKYH107E.

1110**Reason Code:** 01000108**Explanation:** Refer to message EKYH108E.

1110**Reason Code:** 01000109**Explanation:** Refer to message EKYH109E.

1110**Reason Code:** 01000150**Explanation:** Refer to message EKYH150E.

1110**Reason Code:** 01000151**Explanation:** Refer to message EKYH151E.

1110**Reason Code:** 01000152**Explanation:** Refer to message EKYH152E.

1110**Reason Code:** 01000153**Explanation:** Refer to message EKYH153E.

1110**Reason Code:** 01000154**Explanation:** Refer to message EKYH154E.

1110**Reason Code:** 01000155**Explanation:** Refer to message EKYH155E.

1110**Reason Code:** 01000156**Explanation:** Refer to message EKYH156E.

1110**Reason Code:** 01000157**Explanation:** Refer to message EKYH157E.

1110**Reason Code:** 01100001**Explanation:** A DPROF module detected a storage overlay. The overlayed storage is located immediately beyond the interface control block of a Field exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Field exit routine.

The name of the most recently invoked Field exit routine can be found either:

- In the UDT interface control block (pointed to by Register 4 at the time of the abend), or
- In the most recent DPROF incore trace entry.

1110**Reason Code:** 01100002

Explanation: A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the 64-byte anchor area of a Field exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Field exit Routine.

The name of the most recently invoked Field exit routine can be found either:

- In the UDT interface control block (pointed to by Register 4 at the time of the abend), or
- In the most recent DPROP incore trace entry.

1110**Reason Code:** 01100003

Explanation: A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the output area of a Field exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Field exit Routine.

The name of the most recently invoked Field exit routine can be found either:

- In the UDT interface control block (pointed to by Register 4 at the time of the abend), or
- In the most recent DPROP incore trace entry.

1110**Reason Code:** 01100111

Explanation: Refer to message EKYH111E.

1110**Reason Code:** 01100112

Explanation: Refer to message EKYH112E.

1110**Reason Code:** 01100113

Explanation: Refer to message EKYH113E.

1110**Reason Code:** 01100114

Explanation: Refer to message EKYH114E.

1110**Reason Code:** 01100115

Explanation: Refer to message EKYH115E.

1110**Reason Code:** 01200001

Explanation: A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the interface control block of a Segment exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Segment exit routine.

The name of the most recently invoked Segment exit routine can be found either:

- In the DAX interface control block (pointed to by Register 4 at the time of the abend), or
- In the most recent DPROP incore trace entry.

1110**Reason Code:** 01200002

Explanation: A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the 64-byte anchor area of a Segment exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Segment exit Routine.

The name of the most recently invoked Segment exit routine can be found either:

- In the DAX interface control block (pointed to by Register 4 at the time of the abend), or
- In the most recent DPROP incore trace entry.

1110**Reason Code:** 01200003

Explanation: A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the output area of a Segment exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Segment exit Routine.

The name of the most recently invoked Segment exit routine can be found either:

- In the DAX interface control block (pointed to by Register 4 at the time of the abend), or
- In the most recent DPROP incore trace entry.

1110**Reason Code:** 01200121

Explanation: Refer to message EKYH121E.

1110**Reason Code:** 01200122

Explanation: Refer to message EKYH122E.

1110**Reason Code:** 01200123**Explanation:** Refer to message EKYH123E.

1110**Reason Code:** 01200124**Explanation:** Refer to message EKYH124E.

1110**Reason Code:** 01200125**Explanation:** Refer to message EKYH125E.

1110**Reason Code:** 01200126**Explanation:** Refer to message EKYH126E.

1110**Reason Code:** 01200127**Explanation:** Refer to message EKYH127E.

1110**Reason Code:** 01200128**Explanation:** Refer to message EKYH128E.

1110**Reason Code:** 01200129**Explanation:** Refer to message EKYH129E.

1110**Reason Code:** 01200190**Explanation:** Refer to message EKYH190E.

1110**Reason Code:** 01200191**Explanation:** Refer to message EKYH191E.

1110**Reason Code:** 01200192**Explanation:** Refer to message EKYH192E.

1110**Reason Code:** 01200193**Explanation:** Refer to message EKYH193E.

1110**Reason Code:** 01200194**Explanation:** Refer to message EKYH194E.

1110**Reason Code:** 01200195**Explanation:** Refer to message EKYH195E.

1110**Reason Code:** 01300001**Explanation:** A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the interface control block of a Field exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Field exit routine.

The name of the most recently invoked Field exit routine can be found either:

- In the UDT interface control block (pointed to by Register 4 at the time of the abend), or
- In the most recent DPROP incore trace entry.

1110**Reason Code:** 01300002**Explanation:** A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the 64-byte anchor area of a Field exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Field exit Routine.

The name of the most recently invoked Field exit routine can be found either:

- In the UDT interface control block (pointed to by Register 4 at the time of the abend), or
- In the most recent DPROP incore trace entry.

1110**Reason Code:** 01300003**Explanation:** A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the output area of a Field exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Field exit routine.

The name of the most recently invoked Field exit routine can be found either:

- In the UDT interface control block (pointed to by Register 4 at the time of the abend), or
- In the most recent DPROP incore trace entry.

1110**Reason Code:** 01300131**Explanation:** Refer to message EKYH131E.

1110**Reason Code:** 01300132**Explanation:** Refer to message EKYH132E.

1110**Reason Code:** 01300133**Explanation:** Refer to message EKYH133E.

1110**Reason Code:** 01300134**Explanation:** Refer to message EKYH134E.

1110**Reason Code:** 01300135**Explanation:** Refer to message EKYH135E.

1110**Reason Code:** 01300136**Explanation:** Refer to message EKYH136E.

1110**Reason Code:** 01400001

Explanation: A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the interface control block of a Segment exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Segment exit routine.

The name of the most recently invoked Segment exit routine can be found either:

- In the DAX interface control block (pointed to by Register 4 at the time of theabend), or
- In the most recent DPROP incore trace entry.

1110**Reason Code:** 01400002

Explanation: A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the 64-byte anchor area of a Segment exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Segment exit Routine.

The name of the most recently invoked Segment exit routine can be found either:

- In the DAX interface control block (pointed to by Register 4 at the time of theabend), or
- In the most recent DPROP incore trace entry.

1110**Reason Code:** 01400003

Explanation: A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the output area of a Segment exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Segment exit Routine.

The name of the most recently invoked Segment exit routine can be found either:

- In the DAX interface control block (pointed to by Register 4 at the time of theabend), or
- In the most recent DPROP incore trace entry.

1110**Reason Code:** 01400141**Explanation:** Refer to message EKYH141E.

1110**Reason Code:** 01400142**Explanation:** Refer to message EKYH142E.

1110**Reason Code:** 01400143**Explanation:** Refer to message EKYH143E.

1110**Reason Code:** 01400144**Explanation:** Refer to message EKYH144E.

1110**Reason Code:** 01400145**Explanation:** Refer to message EKYH145E.

1110**Reason Code:** 01400146**Explanation:** Refer to message EKYH146E.

1110**Reason Code:** 01400147**Explanation:** Refer to message EKYH147E.

1110**Reason Code:** 02000001

Explanation: A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the interface control block of a Propagation exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Propagation exit routine.

The name of the most recently invoked Propagation exit routine can be found either:

- In the PIC interface control block (pointed to by Register 4 at the time of theabend), or
- In the most recent DPROP incore trace entry.

1110**Reason Code:** 02000002

Explanation: A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the HUP External Interface Control Block of a Propagation exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Propagation exit routine.

The name of the most recently invoked Propagation exit routine can be found either:

- In the PIC interface control block (pointed to by Register 4 at the time of theabend), or
- In the most recent DPROP incore trace entry.

1110**Reason Code:** 02000201

Explanation: Refer to message EKYH201E.

1110**Reason Code:** 02000202

Explanation: Refer to message EKYH202E.

1110**Reason Code:** 0201 *nnnn*

Explanation: A Propagation exit routine returned to DPROP with an error indication. The *nnnn* part of the reason code consists of the 2 low order bytes (in hexadecimal) of the return code that the Propagation exit routine placed in the PICXRETC field of the interface block PIC. Message EKYH2*nn*E and messages created by the Propagation exit routine provide additional information.

1110**Reason Code:** 03000001

Explanation: A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the 64-byte anchor area of a DB2 Subexit routine. It is likely that this storage overlay was created by the most recent invocation of a user DB2 Subexit Routine.

1110**Reason Code:** 03000002

Explanation: A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the HUP External Interface Control Block of a DB2 Subexit routine. It is likely that this storage overlay was created by the most recent invocation of a user DB2 Subexit routine.

1110**Reason Code:** 03000301

Explanation: Refer to message EKYH301E.

1110**Reason Code:** 03000302

Explanation: Refer to message EKYH302E.

1110**Reason Code:** 04000400

Explanation: Refer to message EKYH400E.

1110**Reason Code:** 04000401

Explanation: Refer to message EKYH401E.

1110**Reason Code:** 04000402

Explanation: Refer to message EKYH402E.

1110**Reason Code:** 04000403

Explanation: Refer to message EKYH403E.

1110**Reason Code:** 04000404

Explanation: Refer to message EKYH404E.

1110**Reason Code:** 04000405**Explanation:** Refer to message EKYH405E.

1110**Reason Code:** 04000406**Explanation:** Refer to message EKYH406E.

1110**Reason Code:** 04000407**Explanation:** Refer to message EKYH407E.

1110**Reason Code:** 04000408**Explanation:** Refer to message EKYH408E.

1110**Reason Code:** 04000409**Explanation:** Refer to message EKYH409E.

1110**Reason Code:** 04000410**Explanation:** Refer to message EKYH410E.

1110**Reason Code:** 04000411**Explanation:** Refer to message EKYH411E.

1110**Reason Code:** 04000412**Explanation:** Refer to message EKYH412E.

1110**Reason Code:** 04000413**Explanation:** Refer to message EKYH413E.

1110**Reason Code:** 04000414**Explanation:** Refer to message EKYH414E.

1110**Reason Code:** 04000415**Explanation:** Refer to message EKYH415E.

1110**Reason Code:** 04000416**Explanation:** Refer to message EKYH416E.

1110**Reason Code:** 04000417**Explanation:** Refer to message EKYH417E.

1110**Reason Code:** 04200001**Explanation:** A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the interface control block of a Segment exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Segment exit routine.

The name of the most recently invoked Segment exit routine can be found either:

- In the DAX interface control block (pointed to by Register 4 at the time of theabend), or
- In the most recent DPROP incore trace entry.

1110**Reason Code:** 04200002**Explanation:** A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the 64-byte anchor area of a Segment exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Segment exit Routine.

The name of the most recently invoked Segment exit routine can be found either:

- In the DAX interface control block (pointed to by Register 4 at the time of theabend), or
- In the most recent DPROP incore trace entry.

1110**Reason Code:** 04200003**Explanation:** A DPROP module detected a storage overlay. The overlayed storage is located immediately beyond the output area of a Segment exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Segment exit Routine.

The name of the most recently invoked Segment exit routine can be found either:

- In the DAX interface control block (pointed to by Register 4 at the time of theabend), or
- In the most recent DPROPincore trace entry.

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Reason Code: 04200421

Explanation: Refer to message EKYH421E.

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Reason Code: 04200422

Explanation: Refer to message EKYH422E.

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Reason Code: 04200423

Explanation: Refer to message EKYH423E.

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Reason Code: 04200424

Explanation: Refer to message EKYH424E.

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Reason Code: 04200425

Explanation: Refer to message EKYH425E.

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Reason Code: 04200426

Explanation: Refer to message EKYH426E.

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Reason Code: 04300001

Explanation: A DPROPincore module detected a storage overlay. The overlayed storage is located immediately beyond the interface control block of a Field exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Field exit routine.

The name of the most recently invoked Field exit routine can be found either:

- In the UDT interface control block (pointed to by Register 4 at the time of theabend), or
 - In the most recent DPROPincore trace entry.
-

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Reason Code: 04300002

Explanation: A DPROPincore module detected a storage overlay. The overlayed storage is located immediately beyond the 64-byte anchor area of a Field exit routine. It is likely that this storage overlay was created by the

most recent invocation of a user Field exit Routine.

The name of the most recently invoked Field exit routine can be found either:

- In the UDT interface control block (pointed to by Register 4 at the time of theabend), or
 - In the most recent DPROPincore trace entry.
-

1110

Reason Code: 04300003

Explanation: A DPROPincore module detected a storage overlay. The overlayed storage is located immediately beyond the output area of a Field exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Field exit Routine.

The name of the most recently invoked Field exit routine can be found either:

- In the UDT interface control block (pointed to by Register 4 at the time of theabend), or
 - In the most recent DPROPincore trace entry.
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Reason Code: 04300431

Explanation: Refer to message EKYH431E.

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Reason Code: 04300432

Explanation: Refer to message EKYH432E.

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Reason Code: 04300433

Explanation: Refer to message EKYH433E.

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Reason Code: 04300434

Explanation: Refer to message EKYH434E.

1110

Reason Code: 04300435

Explanation: Refer to message EKYH435E.

1110

Reason Code: 04400001

Explanation: A DPROPincore module detected a storage overlay. The overlayed storage is located immediately beyond the interface control block of a Segment exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Segment exit routine.

The name of the most recently invoked Segment exit routine can be found either:

- In the DAX interface control block (pointed to by Register 4 at the time of theabend), or
- In the most recent DPROPincore trace entry.

1110

Reason Code: 04400002

Explanation: A DPROPincore module detected a storage overlay. The overlayed storage is located immediately beyond the 64-byte anchor area of a Segment exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Segment exit Routine.

The name of the most recently invoked Segment exit routine can be found either:

- In the DAX interface control block (pointed to by Register 4 at the time of theabend), or
- In the most recent DPROPincore trace entry.

1110

Reason Code: 04400003

Explanation: A DPROPincore module detected a storage overlay. The overlayed storage is located immediately beyond the output area of a Segment exit routine. It is likely that this storage overlay was created by the most recent invocation of a user Segment exit Routine.

The name of the most recently invoked Segment exit routine can be found either:

- In the DAX interface control block (pointed to by Register 4 at the time of theabend), or
- In the most recent DPROPincore trace entry.

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Reason Code: 04400441

Explanation: Refer to message EKYH441E.

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Reason Code: 04400442

Explanation: Refer to message EKYH442E.

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Reason Code: 04400443

Explanation: Refer to message EKYH443E.

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Reason Code: 04400444

Explanation: Refer to message EKYH444E.

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Reason Code: 04400445

Explanation: Refer to message EKYH445E.

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Reason Code: 04400446

Explanation: Refer to message EKYH446E.

1110

Reason Code: 09000900

Explanation: Refer to message EKYH900E.

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Reason Code: 09000901

Explanation: Refer to message EKYH901E.

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Reason Code: 09000902

Explanation: Refer to message EKYH902E.

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Reason Code: 09000903

Explanation: Refer to message EKYH903E.

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Reason Code: 09000904

Explanation: Refer to message EKYH904E.

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Reason Code: 09000905

Explanation: Refer to message EKYH905E.

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Reason Code: 09000906

Explanation: Refer to message EKYH906E.

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Reason Code: 09000907

Explanation: Refer to message EKYH907E.

1110**Reason Code:** 09400001**Explanation:** The HUP Tracer™ was invoked with an undefined trace position. There is probably a storage overlay problem.

Call the IBM Software Support for assistance.

1110**Reason Code:** 09400002**Explanation:** The HUP Tracer was invoked with trace position which is out of range. There is probably a storage overlay problem.

Call the IBM Software Support for assistance.

1110**Reason Code:** 09500004**Explanation:** Refer to message EKYH954E.

1110**Reason Code:** 09800001**Explanation:** The HUP Error Handler driver was invoked with an invalid message ID. There is probably a storage overlay problem.

Call the IBM Software Support for assistance.

1110**Reason Code:** 09800002**Explanation:** The HUP Error Handler driver encountered an invalid message format in the message table. There is probably a storage overlay problem.

Call IBM Software Support for assistance.

Abend code 1113

1113**Reason Code:** 00000000**Explanation:** Refer to message EKYI000E.

1113**Reason Code:** 00000001**Explanation:** Refer to message EKYI001E.

1113**Reason Code:** 00100000**Explanation:** The MQ Capture Error Handler Driver encountered an error. This may be the result of a storage overlay problem. Contact IBM Software Support for assistance.

1113**Reason Code:** 00100010**Explanation:** Refer to message EKYI010E.

1113**Reason Code:** 00100011**Explanation:** Refer to message EKYI011E.

1113**Reason Code:** 00100015**Explanation:** Refer to message EKYI015E.

1113**Reason Code:** 00100016**Explanation:** Refer to message EKYI016E.

1113**Reason Code:** 00200020**Explanation:** Refer to message EKYI020E.

1113**Reason Code:** 00200021**Explanation:** Refer to message EKYI021E.

1113**Reason Code:** 00200022**Explanation:** Refer to message EKYI022E.

1113**Reason Code:** 00200023**Explanation:** Refer to message EKYI023E.

1113**Reason Code:** 00200024**Explanation:** Refer to message EKYI024E.

<hr/> 1113 Reason Code: 00300000 Explanation: Refer to message EKYI030E.	<hr/> 1113 Reason Code: 00900998 Explanation: Refer to message EKYI998E.
<hr/> 1113 Reason Code: 00320000 Explanation: Refer to message EKYI032E.	<hr/> 1113 Reason Code: 00900999 Explanation: Refer to message EKYI999E.
<hr/> 1113 Reason Code: 00400040 Explanation: Refer to message EKYI040E.	<hr/> 1113 Reason Code: 03020300 Explanation: Refer to message EKYI300E.
<hr/> 1113 Reason Code: 00400041 Explanation: Refer to message EKYI041E.	<hr/> 1113 Reason Code: 03020301 Explanation: Refer to message EKYI301E.
<hr/> 1113 Reason Code: 00400042 Explanation: Refer to message EKYI042E.	<hr/> 1113 Reason Code: 03020302 Explanation: Refer to message EKYI302E.
<hr/> 1113 Reason Code: 00550002 Explanation: Refer to message EKYI052E.	<hr/> 1113 Reason Code: 03020303 Explanation: Refer to message EKYI303E.
<hr/> 1113 Reason Code: 00610000 Explanation: The MQ Capture Error Handler driver has encountered an internal error. Refer to associated messages EKYI061E or EKYI062E. There may be a storage overlay problem. Call IBM Software Support for assistance.	<hr/> 1113 Reason Code: 03020304 Explanation: Refer to message EKYI304E.
<hr/> 1113 Reason Code: 00660003 Explanation: Refer to message EKYI063E.	<hr/> 1113 Reason Code: 03100311 Explanation: Refer to message EKYI311E.
<hr/> 1113 Reason Code: 00660004 Explanation: Refer to message EKYI064E.	<hr/> 1113 Reason Code: 03100312 Explanation: Refer to message EKYI312E.
<hr/> 1113 Reason Code: 00900990 Explanation: Refer to message EKYI990E.	<hr/> 1113 Reason Code: 03100313 Explanation: Refer to message EKYI313E.
<hr/>	<hr/>

1113	1113
Reason Code: 03100315	Reason Code: 03200326
Explanation: Refer to message EKYI315E	Explanation: Refer to message EKYI326E.
1113	1113
Reason Code: 03100316	Reason Code: 03200327
Explanation: Refer to message EKYI316E	Explanation: Refer to message EKYI327E
1113	1113
Reason Code: 03100318	Reason Code: 03200328
Explanation: Refer to message EKYI318E	Explanation: Refer to message EKYI328E.
1113	1113
Reason Code: 03100319	Reason Code: 03200329
Explanation: Refer to message EKYI319E	Explanation: Refer to message EKYI329E.
1113	1113
Reason Code: 03200320	Reason Code: 03200330
Explanation: Refer to message EKYI320E.	Explanation: Refer to message EKYI330E.
1113	1113
Reason Code: 03200321	Reason Code: 03210402
Explanation: Refer to message EKYI321E.	Explanation: Refer to message EKYI402E.
1113	1113
Reason Code: 03200322	Reason Code: 03210403
Explanation: Refer to message EKYI322E.	Explanation: Refer to message EKYI403E.
1113	1113
Reason Code: 03200323	Reason Code: 03210407
Explanation: Refer to message EKYI323E.	Explanation: Refer to message EKYI407E.
1113	1113
Reason Code: 03200324	Reason Code: 03210408
Explanation: Refer to message EKYI324E.	Explanation: Refer to message EKYI408E.
1113	1113
Reason Code: 03200325	Reason Code: 03300008
Explanation: Refer to message EKYI325E.	Explanation: Refer to message EKYI337E.

1113	1113
Reason Code: 03310008	Reason Code: 03700000
Explanation: Refer to message EKYI472E.	Explanation: Refer to message EKYI370E.
1113	1113
Reason Code: 03400000	Reason Code: 03700001
Explanation: Refer to message EKYI340E.	Explanation: Refer to message EKYI371E.
1113	1113
Reason Code: 03400001	Reason Code: 03800000
Explanation: Refer to message EKYI341E.	Explanation: Refer to message EKYI380E.
1113	1113
Reason Code: 03550008	Reason Code: 03800001
Explanation: Refer to message EKYI359E.	Explanation: Refer to message EKYI381E.
1113	1113
Reason Code: 03610000	Reason Code: 03800002
Explanation: The MQ Apply Error Handler driver has encountered an internal error. Refer to associated messages EKYI361E or EKYI362E. There may be a storage overlay problem. Call IBM Software Support for assistance.	Explanation: Refer to message EKYI382E.
1113	1113
Reason Code: 03620000	Reason Code: 03800003
Explanation: The MQ Apply Error Handler driver has encountered an internal error. Refer to associated messages EKYI361E or EKYI362E. There may be a storage overlay problem. Call IBM Software Support for assistance.	Explanation: Refer to message EKYI383E.
1113	1113
Reason Code: 03660003	Reason Code: 03800004
Explanation: Refer to message EKYI363E.	Explanation: Refer to message EKYI384E.
1113	1113
Reason Code: 03680008	Reason Code: 03920003
Explanation: Refer to message EKYI366E.	Explanation: Refer to message EKYI393E.
1113	1113
Reason Code: 03690008	Reason Code: 04400008
Explanation: Refer to message EKYI470E.	Explanation: Refer to message EKYI440E.
	1113
	Reason Code: 04400441
	Explanation: Refer to message EKYI441E.

1113 Reason Code: 04400442 Explanation: Refer to message EKYI442E.
1113 Reason Code: 04400443 Explanation: Refer to message EKYI443E.
1113 Reason Code: 04500008 Explanation: Refer to message EKYI451E.
1113 Reason Code: 04500451 Explanation: Refer to message EKYI451E.
1113 Reason Code: 09000009 Explanation: Refer to message EKYI902E.

1113 Reason Code: 09400000 Explanation: Refer to message EKYI940E.
1113 Reason Code: 09510000 Explanation: Refer to message EKYI950E.
1113 Reason Code: 09510001 Explanation: Refer to message EKYI951E.
1113 Reason Code: 09510002 Explanation: Refer to message EKYI952E.

Appendix A. RUP and HUP error handling

The Relational Update program (RUP) can be called by the following methods:

- By the IMS Data Capture function to perform synchronous data propagation
- By a user program to perform asynchronous data propagation
- By the Consistency Check utility (CCU) to check data consistency
- By the DL/I Load utilities (DLU) to load an IMS database.

The Hierarchical Update program (HUP) can be called by the following methods:

- By the DB2 Data Capture function to perform synchronous data propagation
- By the Consistency Check utility (CCU) to check data consistency
- By the DL/I Load utilities (DLU) to load an IMS database

When an error occurs, the system action taken by the RUP and the HUP depends on the type of processing environment (as described above) and by the type of error. The RUP and HUP distinguish between the following error types:

- Severe errors (such as DPROP internal errors and programming errors in a user exit routine)
- Deadlock
- Unavailable resources
- Other errors (such as invalid data, mapping errors, duplicate DB2 rows)

“RUP and HUP error handling for synchronous propagation ” describe RUP and HUP error handling for:

- Synchronous data propagation failures
- Asynchronous propagation failures
- For failures that occur when the RUP and the HUP are called by DPROP utilities

RUP and HUP error handling for synchronous propagation

This section describes how the RUP and the HUP handle synchronous propagation errors for PRs that belong to a generalized mapping case or a user mapping case for both error options BACKOUT and IGNORE.

In general, if ERROPT=IGNORE, the RUP and the HUP ignore propagation failures, except failures caused by unavailable resources and deadlocks.

If ERROPT=BACKOUT, then the RUP and the HUP back out changes made since the last commit point. The RUP and the HUP implement backouts differently for different types of failures as follows:

Severe errors

The RUP and the HUPabend. Severe errors include those caused by DPROP internal errors.

Deadlocks

Because SQL and DL/I calls issued by the RUP and the HUP result in locking activities by one or both DB2 and IMS, a deadlock can occasionally occur.

If the application program is message-driven, DB2 or IMS issues a pseudoabend and requests requeueing of the input message.

If the application program is *not* message-driven, IMS triggers a backout of the failing unit of work and returns to the RUP or to the HUP. The actions of the RUP and the HUP depend on whether the program previously issued a DL/I INIT STATUS GROUPA or GROUPB call.

- If the program issued a DL/I INIT STATUS GROUPA or GROUPB call:
 - The RUP returns to the application with a BB status code and places PROPDLOK in the segment name field of the database PCB.
 - The HUP issues a DL/I ROLB call, returns a -929 SQLCODE, sets the SQLSTATE to 58002, and places PROPDLOK in the SQLERRMC field of the SQLCA.
- If the program did *not* issue a DL/I INIT STATUS GROUPA or GROUPB call, the RUP and the HUP each issue an abend.

Unavailable resources

The action that the RUP and the HUP take depends on whether the application program issued a DL/I INIT STATUS GROUPA or GROUPB call.

- If the program issued a DL/I INIT STATUS GROUPA or GROUPB call:
 - The RUP issues a DL/I ROLB call, returns a BB status code to the program, and places PROPUNAV in the segment name field of the database PCB.
 - The HUP issues a DL/I ROLB call, returns a -929 SQLCODE, sets the SQLSTATE to 58002, and places PROPUNAV in the SQLERRMC field of the SQLCA
- If the program in a *batch* region did *not* issue a DL/I INIT STATUS GROUPA or GROUPB call, the RUP and the HUP both issue DL/I ROLB calls followed by abends.
- If the program in an *online* region did *not* issue a DL/I INIT STATUS GROUPA or GROUPB call, the RUP and the HUP both issue a DL/I ROLS call, which causes IMS to put the input message back on the suspend queue and issue a pseudoabend.

Other errors

The actions of the RUP and HUP depend on whether the error option is IGNORE or BACKOUT. (Other errors might include problems such as mapping errors and duplicate rows.)

- For ERROPT=BACKOUT
 - If the program issued a DL/I INIT STATUS GROUPA or GROUPB call:
 - the RUP issues a DL/I ROLB call, returns a BB status code to the program, and places PROPOTHR in the segment name field of the database PCB
 - the HUP issues a DL/I ROLB call, returns a -929 SQLCODE, sets the SQLSTATE to 58002, and places PROPOTHR in the SQLERRMC field of the SQLCA
 - If the program in a *batch* region did *not* issue a DL/I INIT STATUS GROUPA or GROUPB call, the RUP and the HUP issue a DL/I ROLB call followed by an abend.
 - If the program in an *online* region did *not* issue a DL/I INIT STATUS GROUPA or GROUPB call, the RUP and the HUP issue an abend.
- For ERROPT=IGNORE, the RUP and the HUP ignore the propagation failure and return no error indications to the application program. However, the RUP and the HUP write diagnostic information.

For information about the DL/I INIT call and status codes, see *IMS/ESA Application Programming: DL/I Calls*.

RUP Error handling for asynchronous propagation

This section describes how the RUP handles asynchronous propagation errors for:

- Severe errors
- Deadlocks
- Unavailable resources
- Other problems

Severe errors

The RUP abends. Severe errors include DPROP internal errors.

Deadlocks

The RUP returns to its caller with: return code 8, and reason code 4 or 8 in the extended PCB (XPCB) without trying to process other PRs propagating the same IMS segment type.

- Reason code 4 is issued when DB2 performs a rollback of the unit of work. For example, DB2 issues SQL return code -911. The RUP's caller should try to reprocess the failing unit of work.
- Reason code 8 is issued when DB2 did *not* perform a rollback. For example, DB2 issued SQL return code -913. The RUP's caller should either issue a SQL ROLLBACK call and try to reprocess the failing unit of work, or abend.

SQL return code -913 and reason code 8 are never returned in an IMS region.

Before returning to its caller, the RUP writes error messages to the //EKYPRINT data set, the DPROP audit trail, and to the optional //EKYTRACE data set.

Unavailable resources

The RUP returns to its caller with return code 8 and reason code 12 in the XPCB without trying to process other PRs propagating the same IMS segment type.

The RUP's caller should either issue a ROLLBACK call and terminate, or abend.¹

Before returning to its caller, the RUP writes error messages to:

- The //EKYPRINT data set
- The DPROP audit trail
- The optional //EKYTRACE data set

Other errors

The RUP distinguishes between PRs with ERROPT=IGNORE and ERROPT=BACKOUT.

- For a PR with ERROPT=BACKOUT, the RUP returns to its caller with return code 8 and reason code 16 in the XPCB without trying to process other PRs propagating the same IMS segment type.

The RUP's caller should either issue a ROLLBACK call and terminate, or abend.²

Before returning to its caller, the RUP writes error messages to:

- the //EKYPRINT data set

1. The IMS data and the DB2 data will usually be inconsistent if the RUP's caller does not request a ROLLBACK or an abend, because some data will not be propagated. Solve the availability problem, and restart all processing that was attempted during the failing unit of work. While other solutions are possible, be aware that continuing to apply updates to following units of work can cause more inconsistencies and propagation failures.

2. The IMS data and the DB2 data will usually be inconsistent if the RUP's caller does not request a ROLLBACK or an abend, because some data will not be propagated. Solve the availability problem, and restart all processing that was attempted during the failing unit of work. While other solutions are possible, be aware that continuing to apply updates to following units of work can cause more inconsistencies and propagation failures.

- the DPROP audit trail
- the optional //EKYTRACE data set

In addition, the RUP writes SNAPS to the //EKYTRACE data set.

- For a PR with ERROPT=IGNORE, the RUP does not provide any error indications to its caller. However, the RUP does write error messages to:
 - the //EKYPRINT data set
 - the optional //EKYTRACE data set

The RUP may also write error messages to the audit trail and SNAP to the //EKYTRACE data set. The number of messages written to the audit trail and the number of SNAPS written to the //EKYTRACE data set are controlled in the same way as for synchronous propagation. See “RUP and HUP error handling for synchronous propagation ” on page 543 for information. For information about how to control the number of error messages written, refer to IMS DPROP Reference.

After writing messages and SNAPS, the RUP takes one of the following actions:

- If there are more PRs propagating the same IMS segment type, the RUP processes the next PR.
- If there are no more PRs propagating the same IMS segment type, the RUP returns to its caller with return code and reason code of zero and no error feedback.

RUP and HUP error handling when called by the CCU and DLU

This section describes how the RUP and the HUP handle errors when called by the CCU or DLU.

Severe errors

The RUP and HUP abend. Severe errors include DPROP internal errors.

Mapping errors

The RUP and HUP report the error to the user in an error message. The CCU or DLU continues its processing.

Other errors

The RUP and HUP report the error to you in an error message. The CCU or DLU terminates its processing.

Appendix B. EKYMQCAP error handling

The DPROP MQ-ASYNC Capture (EKYMQCAP) is called by the IMS Data Capture function to perform MQ-ASYNC data propagation. EKYMQCAP distinguishes between the following error types:

- Severe errors (such as DPROP internal errors)
- Unavailable resources

EKYMQCAP error handling for MQ-ASYNC propagation

This section describes how EKYMQCAP handles propagation errors.

Severe errors

EKYMQCAP abends. Severe errors include those caused by a DPROP internal error.

Unavailable resources

The action of EKYMQCAP depends on whether the application program issued a DL/I INIT STATUS GROUPA or GROUPB call.

- If the program issued a DL/I INIT STATUS GROUPA or GROUPB call:
 - EKYMQCAP issues a DL/I ROLB call, returns a BB status code to the program, and places PROPUNAV in the segment name field of the database PCB.
- If the program in a *batch* region did *not* issue a DL/I INIT STATUS GROUPA or GROUPB call, EKYMQCAP issues a DL/I ROLB call followed by an abend.
- If the program in an *online* region did *not* issue a DL/I INIT STATUS GROUPA or GROUPB call, EKYMQCAP issues a DL/I ROLS call, which causes IMS to put the input message back on the suspend queue and issue a pseudoabend.

For information about the DL/I INIT call and status codes, see IMS/ESA Application Programming: DL/I Calls.

Appendix C. EKYMQAPP error handling

The DPROP MQ-ASYNCR Propagation APPLY program (EKYMQAPP) distinguishes between the following error types:

- Severe errors (such as DPROP internal errors and programming errors in a user exit routine)
- Deadlocks and Timeouts
- Unavailable resources
- Mapping errors (such as invalid data and duplicate DB2 rows)
- Miscellaneous errors (such as invalid MQSeries messages)

EKYMQAPP Error Handling for MQ-ASYNCR Propagation

This section describes how EKYMQAPP handles propagation errors for PRs that belong to a generalized mapping case or to a user mapping case for both error options: BACKOUT and IGNORE.

In general, if ERROPT=IGNORE, EKYMQAPP ignores propagation failures, except failures caused by unavailable resources and deadlocks. The Apply program writes error messages and traces and then inserts the DB change into an ERROR table. If ERROPT=BACKOUT, then EKYMQAPP backs out changes made since the last commit point and issues an abend, except for errors caused by deadlocks and timeouts. The behavior of PRs specifying ERROPT=BACKOUT can be changed by using the optional FAILURES control statement (except for severe errors). This allows you to accept a certain number of errors of a specific category.

The APPLY program implements backouts differently for different types of failures as follows:

Severe errors

EKYMQAPP abends. Severe errors include those caused by DPROP internal errors.

The behavior of the Apply program for severe errors cannot be influenced by the ERROPT option, nor by the FAILURE control statement.

Deadlocks and timeouts

Because SQL calls issued by the RUP result in locking activities by DB2, a deadlock can occasionally occur.

The Apply program issues a rollback to do the following things since last commit, and then retries its processing:

- Requeues all MQSeries messages
- Undoes all DB2 changes

The behavior of the Apply program for deadlocks and timeouts cannot be influenced by the ERROPT option, nor by the FAILURE control statement.

Unavailable resources

Including the unavailability of a DB2 table or DB2 tablespace, by default, the Apply program writes error messages and traces, and then abends.

This behavior can be changed by using the `FAILURES CATEGORY=UNAVAILABLE` control statement for the Apply program. In these cases, if it is issued within the specified limits, the Apply program:

- writes its usual error messages and traces
- writes the change that could not be propagated the ERROR table
- continue its process with the next DB change or next PR

Mapping errors

This includes invalid field contents, such as non-numerical values where numerical is expected, and duplicate or missing DB2 rows. For these types of errors, by default, the Apply program writes error messages and traces and then abends.

This behavior can be changed by using one of these:

- `ERROR=IGNORE` option for a PR
- `FAILURES CATEGORY=MAPPING` control statement for the Apply program

In these cases, if ignore has been specified or if the error is within the limits of the `FAILURES` control statements, the Apply program:

- Writes its usual error messages and traces
- Writes the change that could not be propagated the ERROR table
- Continues its process with the next DB change or next PR

Miscellaneous errors

This includes reading an MQSeries message that does not have the expected IMS DPROP message format. For these type of errors, by default, the Apply program writes error messages and traces and then abends.

This behavior can be changed by specifying the `FAILURES CATEGORY=MISC` control statement for the Apply program. In these cases, if it is specified within the limits of the `FAILURES` statement, the Apply program:

- Writes its usual error messages and traces
- Writes the change that could not be propagated the ERROR table
- Continues its process with the next DB change or next PR

Appendix D. IMS Apply program error handling

The IMS DPROF MQ-ASYN IMS Apply program distinguishes between the following error types:

- Severe errors (such as internal errors)
- Unavailable resources
- Data errors (such as attempting to replace a segment that does not exist)
- Miscellaneous errors (such as invalid MQSeries messages)

Apply program error handling for MQ-ASYN propagation

The IMS Apply program implements back outs differently for different types of failures. This section describes how the IMS Apply program responds when each type of failure occurs.

Severe errors

For severe errors, the IMS Apply program abends. Severe errors include those that are caused by DPROF internal errors.

The behavior of the Apply program for severe errors cannot be influenced by the FAILURE control statement.

Unavailable resources

For unavailable resources, by default, the IMS Apply program writes error messages and traces, then abends.

The behavior of the Apply program for severe errors can be influenced by the FAILURES CATEGORY=UNAVAILABLE control statement. In these cases, if it is issued within the specified limits, the IMS Apply program:

- Writes the usual error messages and traces
- Writes the change that could not be propagated to the ERROR database
- Continues its process with the next database change

Data errors

For data errors, including duplicate or missing target database segment occurrences, by default, the IMS Apply program writes error messages and traces, then abends.

This behavior can be changed by specifying the FAILURES CATEGORY=DATA control statement for the IMS Apply program. In these cases, if it is specified within the limits of the FAILURES control statement, the IMS Apply program:

- Writes its usual error messages and traces
- Writes the change that could not be propagated, to the error database
- Continues its processing with the next database change

Miscellaneous errors

For miscellaneous errors, including reading an MQSeries message that does not have the expected IMS DPROF message format, by default, the IMS Apply program writes error messages and traces, then abends.

This behavior can be changed by specifying the FAILURES CATEGORY=MISC control statement for the IMS Apply program. In these cases, if it is specified within the limits of the FAILURES control statement, the IMS Apply program:

- Writes its usual error messages and traces
- Writes the change that could not be propagated to the error database
- Continues its processing with the next DB change

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Glossary

A

abort record. A DataPropagator NonRelational propagation log record (38nn or 5938), indicating that the associated unit of work will not be committed by IMS and should not be propagated to DB2. *Compare with commit record.*

ACB. Application control block. Located in IMS.

Archive utility. A utility that filters out propagation log records from the records written to the IMS logs and writes them to Changed Data Capture data sets (CDCDSs).

Audit Extract utility. A DPROPNR utility that inserts the DPROPNR audit records written to SMF into the DPROPNR audit table.

ACDC. Asynchronous changed data capture.

asynchronous changed data capture. An IMS function that captures the changes needed for DPROPNR asynchronous propagation and saves them on the IMS logs. The function is mandatory for DPROPNR asynchronous propagation and is either implemented by an SPE (IMS 3.1) or built into the program (subsequent releases of IMS).

asynchronous propagation. The propagation of data at a later time, not within the same unit of work as the update call.

AUDU. Audit Extract utility.

B

base site. refers to a single installation of the following DPROP components:

- DPROP ISPF panel applications (installation and verification, migration and fallback)
- Mapping, Verification, and Generation (MVG) application
- Relational Update program (RUP)
- Status Change utility (SCU)
- Consistency Check Utility (CCU)
- Audit utility (AUDU)

Batch Log data set. A data set that an IMS batch job uses to store propagation log records needed for DPROPNR asynchronous propagation.

C

CAF. Call attach facility.

CCU. Consistency Check utility.

CDCDS. Changed Data Capture data sets.

CDCDS Registration utility. A DPROPNR asynchronous propagation utility that registers new CDCDS to DBRC.

CDCDS Unregistration utility. A DPROPNR asynchronous propagation utility that deletes CDCDS entries from DBRC.

CDU. CDCDS Unregistration utility.

Changed Data Capture data set (CDCDS). The data sets that the archive utility uses to store the DPROPNR asynchronous propagation log records filtered during the archive process. CDCDSs contain only the propagation log records. These log records are used by the Selector in place of the corresponding SLDSs, which contain all IMS changes.

CEC. central electronics complex.

Changed Data Capture exit routine. See DB2 Changed Data Capture exit routine

Changed Data Capture function. See DB2 Changed Data Capture function.

commit record. A DPROPNR asynchronous propagation log record (9928, 37nn, 41nn, or 5937) indicating that the associated unit of work has been committed by IMS and should be propagated to DB2. *Compare with abort record.*

concatenated key. See “IMS concatenated key” and “conceptual concatenated key”.

conceptual concatenated key. The conceptual concatenated key of a segment consists of the concatenated keys of the segment’s immediate physical parent and physical ancestors. Unlike the conceptual *fully* concatenated key, the conceptual concatenated key does not include the concatenated key of the segment itself.

conceptual fully concatenated key. A DPROPNR concept useful for the propagation of entity segments that do not have a unique IMS fully concatenated key; but which are nevertheless uniquely identifiable.

The conceptual fully concatenated key of a segment consists of:

- The concatenated key of the segment
- The concatenated keys of the segment’s physical parent and physical ancestors

The conceptual fully concatenated key is therefore the combination of:

- The IMS fully concatenated key
- The ID fields (if any) of the segment that contribute to the concatenated key of the segment
- The ID fields (if any) of the physical parent/ancestors that contribute to the concatenated keys of the physical parent/ancestor

The conceptual fully concatenated key is equal to that hypothetical IMS fully concatenated key, which you would see if including at each hierarchical level the ID fields into the IMS key-field.

The concept of conceptual fully concatenated key allows the support of segments with a unique conceptual fully concatenated key, much in the same way as segments with a unique IMS fully concatenated key.

concatenated key. The concatenated key is a DPROPNR concept useful for the propagation of entity segments which are neither unique under their parent nor have a unique IMS key, but which are nevertheless uniquely identifiable through ID fields.

The concatenated key is a combination of:

- the non-unique IMS key field (if any)
- ID fields

which identify the segment uniquely under its parent.

For segments having a unique IMS key field, the conceptual key and the IMS key field are identical.

Consistency Check utility (CCU). A DPROPNR utility that checks whether the data that has been propagated between IMS and DB2 databases is consistent. If not, it reports the inconsistencies and generates statements the DBA can use to fix the inconsistencies. The CCU is applicable when generalized mapping cases are being used.

containing IMS segment. An IMS segment which contains internal segments (embedded structures) propagated by mapping case 3 Propagation Requests. It is referred to interchangeably as a “containing IMS segment” or “containing segment.”

containing segment. See containing IMS segment

CRU. CDCDS Registration utility.

D

DBRM. Database Request Module.

Data Capture exit routine. See IMS data capture exit routine.

data capture function. An IMS function that captures the changes needed for data propagation.

DataRefresher. An IBM licensed program that lets you extract selected operational data on a periodic or one-time basis.

DataRefresher DEM. See Data Extract Manager.

DataRefresher Map Capture exit routine (MCE). See Map Capture exit routine.

DataRefresher UIM. See User Input Manager.

Data Extract Manager (DEM). A DataRefresher component that extracts the IMS data to which changes will subsequently be propagated. DEM also creates control statements for the DB2 Load utility to load the extracted IMS data into DB2 tables.

data propagation. The application of changes to one set of data to the copy of that data in another database system. See also synchronous propagation and DPROP asynchronous propagation.

DB2 commit count. The number of IMS commit records that the DPROP NR asynchronous propagation receiver is to apply to DB2 before it issues a DB2 commit.

DB2 Changed Data Capture exit routine. The routine to which the DB2 Changed Data Capture function passes the DB2 changes it has captured for propagation. This routine can be the DPROP HUP routine, which propagates data, or your own exit routine.

DB2 Changed Data Capture function. A DB2 function that captures the DB2 changes needed for data propagation.

DB2 Changed Data Capture subexit routine. An optional DPROP exit routine invoked whenever the HUP is called by DB2 changed data capture. The DB2 Changed Data Capture subexit routine can typically be used to perform generalized functions such as auditing all of the captured DB2 changes.

DB2-to-IMS propagation. Propagation of changed DB2 tables to IMS segments. It can be either:

- One-way DB2-to-IMS propagation
- DB2-to-IMS propagation, as part of two-way propagation

DBD. Database definition. The collection of macroparameter statements that describes an IMS database. These statements describe the hierarchical structure, IMS organization, device type, segment length, sequence fields, and alternate search fields. The statements are assembled to produce database description blocks.

DBDLIB. Database definition library.

DBPCB. Database program communication block.

DEDB. Data entry database.

DEM. Data Extract Manager.

directory. See DPROP directory.

DLU. DL/1 Load utilities. These are DPROP NR utilities that are used to re-create (or create) the IMS databases from the content of the propagated DB2 tables. You can use DLU if you have implemented DB2 to IMS or two-way propagation.

DPROP. The abbreviation for IBM DataPropagator NonRelational MVS/ESA.

DPROP directory. A set of DB2 tables containing the mapping and control information necessary to perform propagation.

DPROP environment. Refers to an MVS address space that contains a set of DPROP control libraries that are unique to that environment and one or more of the following:

- DPROP asynchronous systems and their components
- DPROP Selectors and their components
- DPROP synchronous systems and their components

DPROP system. A set of DPROP components that support either synchronous or asynchronous propagation. Each DPROP system has its own set of:

- Directory tables
- Propagation status file **synchronous**
- VLF objects and class
- Propagation requests
- SQL update modules
- DB2 plans that provide access to both the directory tables and the propagated tables

E

EKYRESLB Dynamic Allocation exit routine. A DPROP exit routine which can be used to allocate dynamically the DPROP load module library to the EKYRESLB DD-name.

entity segment. The data being mapped from IMS to DB2 comes from one single hierarchic path down to a particular segment. This segment is called the entity segment. See also mapping case 1.

ER. Extract request.

exit routines. DPROP contains seven exit routines. See the individual glossary entries for:

- DB2 Changed Data Capture exit routine
- DB2 Changed Data Capture subexit routine
- IMS Data Capture exit routine
- Field exit routine
- Map Capture exit routine
- Propagation exit routine
- Segment exit routine
- User exit routine

extension segment. The data being mapped from IMS to DB2 comes from a single hierarchic path down to an entity segment and from any segments immediately subordinate to the entity segment. The segments subordinate to the entity segment can have zero or one occurrence beneath a single occurrence of the entity segment. This type of subordinate segment is called an extension segment (as it extends the data in the entity segment). See also mapping case 2.

extract request (ER). A DataRefresher request to extract IMS data. Extract requests become DPROP propagation requests once they are validated by the DPROP MCE.

F

Field exit routine. A DPROP exit routine you can write to complement the logic of DPROP's generalized mapping cases. Field exit routines are typically used to convert an individual IMS data field between a customer format DPROP does not support and a format you have defined in your propagation request.

fully concatenated key. See IMS fully concatenated key and conceptual fully concatenated key.

G

generalized mapping cases. The mapping cases provided by DPROP. See mapping case 1, mapping case 2 and mapping case 3.

group definition file. The file that the Group Unload utility (GUU) uses to store the IMS sources that it extracts from the DPROP directory tables. *See also, SCF Compare job and SCF Apply job.*

Group Unload utility (GUU). The DPROP asynchronous propagation utility that extracts details of all IMS sources for the specified propagation group from the DPROP directory tables at the receiver site and writes them to the Group Definitions File. *See also, SCF Compare job and SCF Apply job.*

GUU. Group Unload utility.

H

hierarchical update program (HUP). The DPROPNR component that does the actual DB2-to-IMS propagation. HUP is the DPROPNR-provided DB2 Changed Data Capture exit routine. The DB2 Changed Data Capture function calls HUP and provides to HUP the changed IMS rows.

Hierarchical to Relational propagation. This is one-way hierarchical to relational propagation: the one-way propagation of changed IMS segments to DB2 tables. The terms *hierarchical to relational propagation* and *one-way IMS-to-DB2 propagation* are interchangeable.

HUP. Hierarchical Update program.

HSSR. High-speed sequential retrieval.

I

ID fields. *Identification (ID) fields* are non-key fields which

- uniquely identify a segment under its parent
- do not change their value.

Typical examples of IMS segments with ID fields, are segments where the data base administrator has not defined the ID fields as part of the IMS Key field. For example because the IMS applications need to retrieve the segment in another sequence than the ascending sequence of the ID fields.

identification fields. See ID fields.

IMS concatenated key. For an IMS segment, the concatenated key consists of:

- The key of the segment's immediate parent, and
- The keys of the segment's ancestors

Unlike the IMS **fully** concatenated key of the segment, the concatenated key does not include the key of the segment itself.

A logical child segment has two concatenated keys: a physical concatenated key and a logical concatenated key. The physical concatenated key consists of the key of the segment's physical parent and the keys of the physical ancestors of the physical parent. The logical concatenated key consists of the key of the segment's logical parent and the keys of the physical ancestors of the logical parent.

IMS Data Capture exit routine. The routine to which the IMS Data Capture function passes the IMS changes it has captured for propagation. For synchronous propagation, this routine can be the DPROPNR RUP routine, which propagates data, or your own exit routine. For DPROPNR asynchronous propagation, the data capture exit routine is a program you write that gets the changed data from IMS. Other programs that you write will later invoke DPROPNR with the changed IMS data.

IMS data capture function. An IMS function that captures the changes needed for data propagation.

IMS fully concatenated key. For an IMS segment, the fully concatenated key consists of:

- The key of the segment,
- The key of the segment's immediate parent, and
- The keys of the segment's ancestors.

Unlike the IMS concatenated key of the segment, the fully concatenated key includes the key of the segment itself.

IMS INQY data. The first 9904 (update) record in each IMS unit of work (UOW) contains IMS INQY data (transaction name, PSB name, and user ID). This information is written to the PRDS for the propagation group as the first record of the UOW.

IMS log files. The files that IMS uses to store details of all changes to IMS data. See also, batch log data sets, online data sets (OLDSS), system log data sets (SLDSs), and Changed Data Capture data sets (CDCDSs).

IMS logical concatenated key. One of the two IMS concatenated keys of a logical child segment (the other is an IMS physical concatenated key). The logical concatenated key consists of:

- The key of the segment's logical parent

- The keys of the physical ancestors of the logical parent

IMS physical concatenated key. One of the two IMS concatenated keys of a logical child segment (the other is an IMS logical concatenated key). The physical concatenated key consists of:

- The key of the segment's physical parent
- The keys of the physical ancestors of the physical parent

IMS-to-DB2 propagation. This is the propagation of changed IMS segments to DB2 tables. Distinguish between:

- One-way IMS-to-DB2 propagation
- IMS-to-DB2 propagation, as part of two-way propagation

ISC. Inter-system communications.

IXF. Integrated exchange format.

ISPF. Interactive system production facility or Interactive structured programming facility.

internal segments. Internal Segments is the DPROPNR and DataRefresher term for structures embedded in IMS Segments, which are propagated through mapping case-3 propagation requests. Each embedded structure (i.e. each internal segment), is propagated to a different table; each occurrence of the embedded structure to one row of the table.

invalid unit of work. An IMS UOW that is missing a first record (containing the INQY data). If the DPROPNR asynchronous propagation Selector detects an invalid unit, it responds according to what you specified on the INVUOW keyword of the SELECT control statements. If you specified:

IGNORE

The Selector continues processing

STOP The Selector issues an error message and terminates

IVP. Installation verification program. The IVP is installed using the ISPF application panels, which in turn, generates JCL jobs. The verification jobs create a sample IMS database, sample DB2 tables, and DXT libraries. By installing and running the IVP, you ensure that your DPROP product installation is functional.

L

logical concatenated key. See IMS logical concatenated key.

M

MSDB. Main storage database.

Map Capture exit (MCE) routine. The Map Capture exit routine provided by DPROP. MCE is used when you provide mapping information through DataRefresher. MCE is called by DataRefresher during mapping and data extract to perform various validation and checking operations. The DPROPNR MCE should be distinguished from the DataRefresher Map Capture exit, the DataRefresher routine that calls MCE.

mapping case. A definition of how IMS segments are to be mapped to DB2 tables. DPROPNR distinguishes between mapping case 1, mapping case 2, and user mapping cases.

mapping case 1. One of the generalized mapping cases provided by DPROPNR. Mapping case 1 maps one single segment type, with the keys of all parents up to the root, to a row in a single DB2 table.

mapping case 2. One of the generalized mapping cases provided by DPROPNR. Mapping case 2 maps one single segment type, with the keys of all parents up to the root, plus data from one or more immediately subordinate segment types (with a maximum of one occurrence of each segment type per parent), to a row in a single DB2 table.

mapping case 3. One of the generalized mapping cases provided by DPROPNR. Mapping case 3 supports the propagation of segments containing embedded structures. A typical example of an embedded structure is a repeating group of fields.

- each embedded structure can be propagated to/from a different table. Mapping case 3 propagates each occurrence of an embedded structure, with the key of the IMS segment, and the keys of the physical parent and ancestor, to/from a row of one DB2 table.
- the remaining data of the IMS segment (that is the fields which are not located in a embedded structure) can be propagated to/from another table.

Mapping Verification and Generation (MVG). A DPROPNR component that validates the mapping information for each propagation request and stores it in the DPROPNR directory. For a propagation request belonging to a generalized mapping case, MVG generates an SQL update module. MVG is invoked internally by MCE and MVGU.

Mapping Verification and Generation utility (MVGU). A DPROPNR utility invoked by the database administrator. MVGU creates propagation requests when DataRefresher is not used to provide mapping information (i.e., when you put the mapping information directly into the MVG input tables). MVGU also deletes or rebuilds propagation requests in the DPROPNR directory.

MIT. Master Index table.

master table. The DPROPNR directory master table, which is created when DPROPNR is initialized. It consists of one row, containing system and error information.

MCE. Map Capture exit routine.

MSC. Multisystem communication.

multithreading of asynchronous propagation. Multithreading of asynchronous propagation is the capability to propagate *concurrently* multiple IMS updates within the same Receiver jobstep. Each concurrent propagation activity is associated with one thread. The DPROPNR support for multithreading is based on MVS multitasking.

Multithreading can reduce the elapsed time required to perform asynchronous propagation.

MVG. Mapping Verification and Generation.

MVG input tables. A group of DB2 tables into which the DBA stores propagation request definitions when DataRefresher is not used to provide mapping information. Once the propagation requests are stored, the DBA invokes MVGU. MVGU invokes MVG, which validates the propagation request and copies the mapping definitions from the MVG input tables to the DPROPNR directory.

MVGU. Mapping Verification and Generation utility.

O

OLDS. Online data set.

One-way DB2-to-IMS propagation. This is the propagation of changed DB2 tables to IMS segments. Distinguish between:

- One-way DB2-to-IMS propagation
- DB2-to-IMS propagation, as part of two-way propagation

One-way IMS-to-DB2 propagation. This is the propagation of changed IMS segments to DB2 tables. Distinguish between:

- One-way IMS-to-DB2 propagation
- IMS-to-DB2 propagation, as part of two-way propagation

P

physical concatenated key. See IMS physical concatenated key.

PCB. Program communication block.

PSB. Program specification block.

PR. Propagation request.

PR ID. Propagation request identifier.

PRCT. Propagation Request Control Table.

PRDS. Propagation Request Data Set.

PRDS register file. A data set created by the DPROP NR asynchronous propagation Selector that contains details of the associated PRDS.

propagation. See data propagation.

propagation log records. IMS log records that the DPROP NR asynchronous propagation Selector writes to PRDSs:

- 9904 (update) records
- Commit or abort records
- SETS/ROLS records

Propagation Request data set (PRDS). A sequential file into which the DPROP NR asynchronous propagation Selector writes all propagation log records for a propagation group.

PRDS register table. A DPROP NR directory table that is created at the Receiver site when DPROP NR is installed. The table is initially empty and you must populate it using the PRU REGISTER control statements.

PRDS Registration utility (PRU). A DPROP NR asynchronous propagation utility that registers PRDSs in the PRDS register table.

Propagation exit routine. A DPROP NR exit routine you can write to propagate data when the generalized mapping cases don't meet your needs. A Propagation exit routine must provide all the logic for data mapping, field conversion, and propagation.

propagation group. A subset of the propagation requests in the DPROP NR directory propagation request table (DPROP NR asynchronous only).

You can define as many propagation groups as you like, but any propagation request can be associated with one and only one propagation group.

propagation request (PR). A request to propagate data between IMS and DB2. You define propagation requests for each segment type that is to be propagated.

PR set. A group of logically related propagation requests, identified by having the same PRSET ID. PR sets are typically used when you propagate the same IMS data to multiple sets of DB2 tables.

propagation request control table (PRCT). A DPROP NR directory table that is created at the Receiver site when DPROP NR is installed. It contains details of all propagation requests defined to DPROP NR and, in combination with the RCT, enables the Receiver to ascertain:

- Which propagation requests are assigned to which Receivers
- The activity status of all defined Receivers
- The activity status of all propagation requests that are assigned to defined Receivers

PRU. PRDS Registration utility.

R

RCT. Receiver control table.

Receiver. An DPROP NR asynchronous propagation component that retrieves the propagation log records from a PRDS and passes them to the RUP, which uses them to update the DB2 target tables.

RECEIVER control statement. A control statement that is input directly into the DPROP NR asynchronous propagation Receiver JCL to specify:

- The name of the Receiver that is to process a PRDS
- The names of the DB2 subsystem to be accessed and the DB2 plan
- The number of committed UOWs to process before a DB2 commit is issued

Receiver control table (RCT). A DPROPNR directory table, which is created at the Receiver site when DPROPNR is installed. The table is initially empty and you must populate it, using the SCU CREATEREC control statement. It contains details of all Receivers and, in combination with the PRCT, enables the Receiver to ascertain:

- Which propagation requests are assigned to which Receivers
- The activity status of all defined Receivers
- The activity status of all propagation requests that are assigned to defined Receivers

relational update program (RUP). The DPROPNR component that does the actual IMS to DB2 propagation. RUP is the DPROPNR-provided IMS Data Capture exit routine. For synchronous propagation, the IMS Data Capture function calls RUP with the changed IMS segments. For user asynchronous propagation, your routine gets the changes from IMS and later calls RUP. For DPROPNR asynchronous propagation, the Receiver gets the changes from the Selector-Receiver Interface and later calls RUP. In either case, RUP propagates the changes to DB2.

Relational to Hierarchical propagation. This is one-way relational to hierarchical propagation: the one-way propagation of changed DB2 tables to IMS segments. The terms *relational to hierarchical propagation* and *one-way DB2-to-IMS propagation* are interchangeable

RH propagation. One-way, relational-to-hierarchical propagation.

RIR. RIR is a DPROPNR abbreviation for DB2 Referential Integrity Relationship. Database administrators can define RIRs between tables in order to request that DB2 catches and prevents update anomalies in the relational databases.

Implementation of RIRs between propagated tables is:

- Optional for one-way IMS to DB2 propagation
- Strongly recommended for DB2 to IMS and two-way propagation

RTT. Resource translation table.

RUP. Relational Update program.

RUP control block table. A single DPROPNR directory table that contains one RUP propagation control block (PRCB) for each propagated segment type. Each RUP PRCB contains details of the relevant database and segment.

S

SCF. Selector Control file.

SCF Apply job. Uses the SCF control statements to create new propagation groups and to list and modify existing propagation groups in the SCF.

SCF Compare job. Used to compare the contents of the Group Definitions File with the propagation groups in the SCF and to generate SCF control statements to bring the SCF into line with the Group Definitions File.

SCF control statements. Can be generated automatically by the DPROPNR asynchronous propagation GUU or input directly into the DPROPNR asynchronous propagation SCF Apply utility JCL. The control statements modify the contents of the SCF records.

SCU. Status Change utility.

segment exit routine. A DPROPNR exit routine you can write to complement the logic of the generalized mapping cases. Segment exit routines are typically used to convert a changed data segment from the form it has in your IMS database to a form you have defined in your propagation request.

SELECT control statements. Control statements that are input directly into the DPROPNR asynchronous propagation Selector JCL to define the execution options for the Selector.

Selector. An DPROPNR asynchronous propagation component that collects propagation log records from the IMS log files and writes them to PRDSs for later processing by the DPROPNR asynchronous propagation Receiver component.

Selector control file. Created at Selector installation/generation time and contains the following control information that is essential to the operation of the Selector:

- Database records and propagation group records
- DBRC information
- Timestamp information

SLDS. System Log Data Set.

SNAP. System network analysis program.

SQL update module. A module generated by MVG for each propagation request belonging to a generalized mapping case. An SQL update module contains all the SQL statements required to propagate to DB2 the changed IMS data for that propagation request.

Status Change utility (SCU). A DPROPNR utility that performs the following functions:

1. Changes the status of propagation requests in the synchronous environment. Propagation requests can be active, inactive, or suspended. The SCU also performs a variety of other service functions.
2. Maintains the Timestamp Marker Facility and populates the RCT and the PRCT in DPROPNR asynchronous propagation.

synchronous propagation. The propagation of data within the same unit-of-work as the update call.

Sysplex. refers to a collection of MVS/ESA systems that can share data and DASD.

SLDS. System log data set.

SSM. Subsystem member. An IMS JCL parameter that identifies the PDS member that describes connection between IMS and the DB2 subsystems.

T

Timestamp Marker Facility. Supports the statements that create, assign, and delete timestamp markers in the SCF. It is run as part of the SCU.

timestamps. Delimit the time period during which updates are selected from the IMS logs.

TSMF. Timestamp Marker Facility.

TSMF Callable Interface. A facility that allows a user application to create a stop timestamp for one or more propagation groups.

TW propagation. See two-way propagation.

Two-way propagation. The combination of IMS-to-DB2 propagation and DB2-to-IMS propagation for the same data.

U

UIM. User Input Manager.

ULR. Uncommitted log record.

uncommitted log record (ULR). When the DPROPNR asynchronous propagation Selector terminates, it writes all uncommitted log records (propagation log records that have not yet been either committed or aborted by IMS) to the uncommitted log record data set. On a subsequent Selector execution, these records will be either written to the appropriate PRDS (if they have been committed by IMS) or deleted from the uncommitted log record data set (if they have been aborted by IMS).

UOW. IMS unit of work.

user exit. See exit routines.

User Input Manager (UIM). A DataRefresher component to which you describe your IMS databases and the mapping between IMS databases and DB2 tables. The mapping is defined by submitting extract requests. You can

specify on an extract requests that the UIM is to invoke the DataRefresher Map Capture exit routine provided by DPROPNR and pass it the DataRefresher mapping definitions of the extract request.

user mapping case. A mapping case you can develop if the generalized mapping cases don't meet your needs.

V

Virtual Lookaside Facility (VLF). An MVS/ESA component that is a specific implementation of data spaces. To limit the performance impact when mapping and applying changed IMS data to DB2 tables, DPROPNR uses VLF for the retrieval of mapping information.

VLF. Virtual Lookaside Facility.

Bibliography

The IMS DataPropagator for z/OS Version 3 Release 1 Library

Order Number	Book Title
SC18-7048	Administrators Guide for Log Asynchronous Propagation
SC18-7056	Administrators Guide for MQSeries Asynchronous Propagation
SC18-7055	Administrators Guide for Synchronous Propagation
SC18-7047	Concepts
SC18-7054	Customization Guide
GC18-7053	Diagnosis
GC18-7049	An Introduction
GC28-7051	Installation Guide
G18-7050	Messages and Codes
SC18-7052	Reference
GC27-1628	Licensed Program Specification

- OS/390 MVS System Management Facilities, GC28-1628-03
- OS/390 MVS Application Development Guide, GC28-1257-00
- OS/390 MVS Application Development Macro Reference, GC28-1857-02
- *DFSMS/MVS Macro Instructions for Data Sets*, (SC26-4913).
- *MVS/DFP Macro Instructions for Data Sets*, (SC26-4913).

Other Books Referenced in This Information

Other manuals that are referred to in this information or might be helpful in understanding messages and codes issued by related products are:

- IMS/ESA Application Programming: DL/I Calls, SC26-3062-00
- IMS/ESA Messages and Codes, SC26-3071-00
- IMS/ESA Operations Guide, SC26-3072-00
- IMS/ESA Utilities Reference: Database Manager, SC26-4627-00
- IMS/ESA Utilities Reference: System, SC26-4629-00
- DB2 SQL Reference, SC26-4890
- DB2 Messages and Codes, SC26-4892
- MVS/DFP Version 3.3: System Programming Reference, SC26-4567
- MVS/DFP Version 3.3: Macro Instructions for Data Sets, SC26-4747
- DXT Messages and Codes, SC26-4251
- OS/390 MVS Application Development Macro Reference, GC28-1857-02
- OS/390 MVS Programming: Assembler Services Guide, GC28-1642
- *MVS/ESA Data Administration: Macro Instruction Reference*, SC26-4506
- OS/390 MVS System Messages, Volume 1, GC28-1656-04
- OS/390 MVS System Codes, GC28-1644-04

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