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
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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.

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**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\text{cnnnt}, 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.

**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 the 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 DataPropagator Reference for information on valid SMF system record types.

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**  
**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**  
**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**  
**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**  
**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.

**Severity:** Information.

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

**Module:** EKYA000X

---

4  Messages and Codes
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)
• Return code (rc)
• Reason code (rsn)

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

EKYB010E  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:
YYY 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.

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. 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
CREATE TSM 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 CREATE TSM
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
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

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

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 (/EKYSFCF) 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: EKYB100X

NEWSTART FLAG HAS BEEN SET ON IN SCF 0302 RECORD FOR DATABASE db IN GROUP gpid

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

SELECT FLAG HAS BEEN SET OFF IN SCF 0305 RECORD FOR GROUP gpid 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

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

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.

Module: EKYB100X

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

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

**Module:** EKYB200X

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**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.

---

**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.

**Module:** EKYB250X, EKYB260X

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**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

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**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 exceptp

**Explanation:** An internal error, as described by exceptp, 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 THAT 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 EKYWTØ 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 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

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.
Module: EKYB200X

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 RETRIEVI NG 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.
Module: EKYB200X

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

Module: EKYB280X

Chapter 3. Selector messages 13
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 etmp

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

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

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**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

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**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.
• 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.

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

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**EKYZ311E** 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

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**EKYZ312E** 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

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**EKYZ313E** 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

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**EKYZ314E** 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

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**EKYZ315E** 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

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**EKYZ316E** 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

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**EKYZ317E** 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

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**EKYZ318E** 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
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

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.

Module: EKYB320X

EKYB327E INTERNAL DPROP ERROR DECOMPRESSING IMS LOG RECORD

Explanation: IMS DPROP uses the MVS compression service CSRCESRV to expand the compressed IMS log data. The CSRCESRV is either:
- Not available
- Not at the correct level

Severity: Error.

System action: Processing terminates.

Programmer response: Check that the MVS compression service CSRCESRV 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

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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: EKYB300X

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 DPROP 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 DPROP 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 DPROP 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:

- Correct the problem and resubmit the job.
- Assign a new start time to the database involved that matches a database quiesce time.
- 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.

**Module:** EKYB380X

---

**EKYB349W** THE START TIME **stmp** FOR DATABASE ddbname IN GROUP **grpid** IS GREATER THAT OR EQUAL TO THE STOP TIME **grptsmp** 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 **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

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**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. 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: EKYB315X

---

**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: EKYB315X

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**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: EKYB315X

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**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

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**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 //EKYCDCIN DD statement reflects the sample JCL shipped with DPROP.
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: YYDDDHHMMSSTH
Severity: Information.
System action: Processing continues.
Programmer response: None.
Module: EKYB500X

---

**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.
Module: EKYB600X

**EKYB602I**  Control_statement

Explanation: The SCF Administration control statement as specified in the EKYSIDS data set.
Programmer response: Refer to the IMS DataPropagator Reference for further information on SCF Administration control statements.
Module: EKYB600X
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: GroupIdentifier

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: EKYB610X, EKYB620X

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

---

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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: EKYB635X

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EKY633I  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: EKY620X

---

EKY637I  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: EKY620X

---

EKY638W  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: EKY620X, EKY654X

---

EKY639W  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: EKY620X

---

EKY640W  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:** Report this problem to IBM Software Support.

**Module:** EKYB600X, EKYB620X, EKYB650X

**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.

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 specified SCF.

**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 selector control file //scf_dd_name.

**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 Selectors 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: EKYB655X

**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: EKYB661X

**EKYB666W** THERE ARE NO SEGMENTS 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 DPROP 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 DPROP 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 DPROP

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

**Severity:** Error.

**System action:** The SCF Apply utility terminates processing.

**Programmer response:** Check the DBD, and specify an organization supported by IMS DPROP. Refer to the appropriate Administrators Guide for your propagation mode for a list of the IMS database organizations supported by IMS DPROP. 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 DPROP 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

EKYB703I  END OF //EKYGRPD INPUT RECORDS.

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

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

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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: EKYB700X, EKYB710X, EKYB720X, EKYB730X

---

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, EKYB720X, EKYB730X

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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, EKYB710X, EKYB720X, EKYB730X

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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, EKYB730X

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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 DPROP internal error. An unrecognized 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**

**EKYB801E** 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 yyjjjjhhmmst

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
The selector provides the following return and reason codes.

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<th>Selector messages return and reason codes</th>
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<td>Module: EKYB800X</td>
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<tr>
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<tr>
<td>System action: Program terminates with return code 12.</td>
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<td>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.</td>
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<td>Module: EKYB800X</td>
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<td>EKYB803E UNABLE TO OPEN DATASET FOR DDNAME=ddname,RC=rc</td>
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<td>Explanation: The program was unable to open the identified data set. The OPEN macro return code is displayed in the message.</td>
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<td>Programmer response: Before resubmitting the job, check whether:</td>
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<tr>
<td>• The data set exists.</td>
<td></td>
</tr>
<tr>
<td>• The data set is a valid input data set.</td>
<td></td>
</tr>
<tr>
<td>Module: EKYB800X</td>
<td></td>
</tr>
<tr>
<td>EKYB804E ERROR WRITING TO DATA SET DDNAME=ddname,RC=rc</td>
<td>Module: EKYB800X</td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Severity: Error.</td>
<td></td>
</tr>
<tr>
<td>System action: Program terminates with return code 12.</td>
<td></td>
</tr>
<tr>
<td>Programmer response: Before resubmitting the job, check that the data set specified is a valid output data set.</td>
<td></td>
</tr>
<tr>
<td>Module: EKYB800X</td>
<td></td>
</tr>
<tr>
<td>EKYB805E ERROR OCCURRED READING DBRC SYSPRINT. REFER TO //EKYWTO FOR DETAILS OF THE ACTUAL ERROR</td>
<td>Module: EKYB800X</td>
</tr>
<tr>
<td>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, &quot;DD SYSOUT=*&quot; may be specified.</td>
<td></td>
</tr>
<tr>
<td>Severity: Error.</td>
<td></td>
</tr>
<tr>
<td>System action: Program terminates with return code 12.</td>
<td></td>
</tr>
<tr>
<td>Programmer response: Correct the SYSPRINT DD statement, and rerun the job.</td>
<td></td>
</tr>
<tr>
<td>Module: EKYB800X</td>
<td></td>
</tr>
<tr>
<td>EKYB806E EKYB800X INVOKING DBRC UTILITY DSPURX00</td>
<td>Module: EKYB800X</td>
</tr>
<tr>
<td>Explanation: The DSPURX00 has been called.</td>
<td></td>
</tr>
<tr>
<td>Severity: Information.</td>
<td></td>
</tr>
<tr>
<td>System action: None.</td>
<td></td>
</tr>
<tr>
<td>Programmer response: None.</td>
<td></td>
</tr>
<tr>
<td>Module: EKYB800X</td>
<td></td>
</tr>
<tr>
<td>EKYB807I PRILOG REGISTRATION COMPLETED SUCCESSFULLY</td>
<td>Module: EKYB800X</td>
</tr>
<tr>
<td>Explanation: Registration has completed successfully.</td>
<td></td>
</tr>
<tr>
<td>Severity: Information.</td>
<td></td>
</tr>
<tr>
<td>System action: None.</td>
<td></td>
</tr>
<tr>
<td>Programmer response: None.</td>
<td></td>
</tr>
<tr>
<td>Module: EKYB800X</td>
<td></td>
</tr>
<tr>
<td>EKYB808I PRILOG REGISTRATION COMPLETED UNSUCCESSFULLY</td>
<td>Module: EKYB800X</td>
</tr>
<tr>
<td>Explanation: Registration has failed.</td>
<td></td>
</tr>
<tr>
<td>Severity: Information.</td>
<td></td>
</tr>
<tr>
<td>System action: Program terminates.</td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Module: EKYB800X</td>
<td></td>
</tr>
</tbody>
</table>
**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. 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:** 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:** 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  INITIALIZE 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 ddbname 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:  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.
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 DataPropagator 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.

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

Module: EKYC010X

**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: 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.
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.

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: Specify a CHECK input statement that excludes the listed PRID from processing, or resubmit the job without the DIRECT keyword.

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 CCUFLD 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.

Module: EKYC040X
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** 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: You can 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/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: You can 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 CONFICTING

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: Correct the error, 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 PRIDs 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: Remove one of the DB2 table names from the CHECK input command, and 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: EKYC030X
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 name/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 DPROP 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  DPROP 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 DPROP 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 DPROP 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 DPROP 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
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

---

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

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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 LSYSPRT, correct the error, and resubmit the job.

Module: EKYC060X

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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

---

PSB generation has suppressed eventual PROC=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 PROC=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 PROC=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

---

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 LSYSPRT, 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 //CCUDOUT 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 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

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

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**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

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**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

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**EKYC200I** DB2 READ PHASE STARTED

**Explanation:** The DB2 read phase of the hashing technique is started.

**Severity:** Information.

**System action:** Processing continues.

**Module:** EKYC200X

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**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

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**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

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**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 //CCUMSMT DATA SET

Explanation: The CCU created n mismatch indication records and wrote them to the data set allocated through ddname //CCUMSMT.

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 / after n errors warning messages have been issued, rup reported n errors hup reported n errors

Explanation: The read 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

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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

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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

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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

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EKYC400I  HASH SUM COMPARE PHASE STARTED

Explanation:  The hash sum compare phase started.

Severity:  Information.

System action:  Processing continues.

Module:  EKYC400X

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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

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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.
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 COMPARISON 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 ddbname //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 DPROP 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 COMPARISON 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 COMPARISON 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** //CCUMSMTC DD STATEMENT MISSING

Explanation: The program was unable to open the //CCUMSMTC data set to store data mismatch indication records. The DD statement is missing or the ddname is misspelled in an existing DD statement.

Module: EKYC500X
Severity: Error.

System action: Processing terminates with return code 8.

Programmer response: Provide a DD statement with ddname //CCUMSMTTC, and resubmit the job.

Module: EKYC500X

EKYC513E  I/O ERROR ON //CCUMSMTTC DATA SET

Explanation: The program was unable to write data mismatch indication records to the //CCUMSMTTC 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 because 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.

Module: EKYC500X
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 //CCUSORTI data sets. Each record has a corresponding "paired" record. Paired records are not written to the //CCUMSMT 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: EKYC600X

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 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

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**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

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**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

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**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 dname 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 dname, correct the error and resubmit the job. The data set is empty if the preceding compare phase did not detect any data inconsistencies.

**Module:** EKYC600X

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**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 dname 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 dname //CCUMSMTC is defined. Check for any other messages issued by IMS DPROP I/O services. Correct the error, and resubmit the job.

**Module:** EKYC610X

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**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 dname //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

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**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 DataPropagator 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  //CCUMSMTTC 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 //CCUMSMTTC 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

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**EKYC639** 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 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:** EKYC630X

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**EKYC640** 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

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**EKYC641** RECORD WITH SEQUENCE NUMBER number RETRIEVED FROM THE //CCUMSMTC DATA SET IS LOWER THAN THE CURRENT POSITION IN THE //CCUDBOUT DATA SET

**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

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**EKYC642** 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

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**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

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**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

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**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

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**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

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**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

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**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

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82 Messages and Codes
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

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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

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EKYC813E  //CCUCDS CONTROL DATA SET IS NOT COMPATIBLE WITH PROGRAM name1  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

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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

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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

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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 DPROP 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 DPROP 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 DPROP DIRECTORY AND NO USE= OR QUALIFIER= KEYWORD WAS SPECIFIED

Explanation: The program received no DB2 application table qualifier from the IMS DPROP 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.

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

Module: EKYC820X
Module: EKYC825X

**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.

**Module:** EKYC820X

**Programmer response:** Refer to the IMS DataPropagator Reference for details about interpreting CCU reports.

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**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

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**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.

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**Module:** EKYC825X

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**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

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**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

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**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 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: 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: 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. 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

**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 //CCUI data set, and resubmit the job beginning with the initialization phase.

Module: EKYC840X

EKYC844E  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

EKYC845E  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

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**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

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**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

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**EKYC851E**

**INVALID FUNCTION CODE value PASSED TO EKYC850X**

**Explanation:** This is an IMS DPROP internal error.

**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.

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

EKYC862E 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
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 //CCUMSMT content 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

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

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

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

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

UNEXPECTED DL/I STATUS CODE code RECEIVED AFTER A dllfunc 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 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

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: EKYC905X

EKYC875E 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: EKYC875X

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: EKYC876X

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 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`, 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: 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 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

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**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

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**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

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**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

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**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

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**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=extractid**

**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=extractid**

**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:** Call IBM Software Support for assistance.

**Module:** EKYD000X

**EKYD002E  THE CPPL ADDRESS IS MISSING FOR EXTRACT ID=extractid**

**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

**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.

Module: EKYD100X

**EKYD101E** INVALID DBS PARAMETER; DBS=dbs

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.

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**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

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**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, specify a valid segment name and resubmit the ER.

Module: EKYD100X

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**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

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**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

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**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

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**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 SEG 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 and analyze the DataRefresher MCCA on the //EKYTRACE data set (DSECT=EKYDCMXC).
- Call IBM Software Support for assistance.

**Module:** EKYD100X

---

**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: EKYZD130X

**EKYZD132E** 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: EKYZD130X

**EKYZD133E** 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, either specify MAXNBR=1 on the SEGMENT statement or remove the selected fields of this segment. Resubmit the ER.

Module: EKYZD130X

**EKYZD134E** 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: EKYZD130X

**EKYZD135E** 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: EKYZD130X

**EKYZD136E** 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

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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=mcase, 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 extract. 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. DPROP 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

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**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. DPROP cannot allow the data extraction.

**Severity:** Error.

**System action:** Processing of the program terminates with return code 8. DPROP returns to the DataRefresher DEM, which terminates the data extraction and stops its processing.

**System programmer response:** Change the database status on RECON to read-only, and resubmit the DataRefresher DEM job.

**Module:** EKYD200X

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**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. DPROP cannot allow the data extraction.

**Severity:** Error.

**System action:** Processing of the program terminates with return code 8. DPROP 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. DPROP allows the data extraction.

**Severity:** Information.

**System action:** Processing terminates normally with return code 0. DPROP 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 tried unsuccessfully to call the IMS DBRC utility to determine the status of the database to extract. DPROP did not find an expected keyword in the DBRC report. DPROP cannot continue.

**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:** 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 DPROP 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 DPROP, 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

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<tr>
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<td>EKYEXPR1</td>
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<td>The RUP abends.</td>
<td>Adapt DBDGEN specifications so that DL/I Capture provides the fully concatenated key.</td>
<td>EKYEXPR1</td>
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<td>The segment SEG2 was not provided by DL/I Capture (or by the user program that calls the RUP to perform asynchronous data propagation).</td>
<td>Return code=20 (internal error).</td>
<td>The RUP abends.</td>
<td>Adapt DBDGEN specifications so that DL/I Capture provides the SEG2 data.</td>
<td>EKYEXPR1</td>
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<td>PATH DATA NOT PROVIDED BY DL/I CAPTURE DBDNAME=dbdname SEGNAME=segname FUNC=func</td>
<td>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).</td>
<td>Return code=20 (internal error).</td>
<td>The RUP abends.</td>
<td>Adapt DBDGEN specifications so that DL/I Capture provides the path data for SEG2.</td>
<td>EKYEXPR1</td>
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<td>EKYEXP5E</td>
<td>UNEXPECTED CALL FUNCTION IN DL/I XPCB DBDNAME=dbdname SEGNAME=segname FUNC=func</td>
<td>The XPCB interface control block defined by IMS/ESA contains an invalid call function.</td>
<td>Return code=20 (internal error).</td>
<td>The RUP abends.</td>
<td></td>
<td>EKYEXPR1</td>
<td></td>
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</tbody>
</table>
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 CREATREC.

Module: EKYF000X

EKYF002E  RECEIVER NAME receiver_name AND GROUP group_id IN RCT DID NOT MATCH THOSE ENTERED ON INPUT STATEMENTS

Explanation: The definitions in the RECNAMES 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: Check the definitions for RECNAMES and GROUPID columns 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 CREATREC definitions from the Receiver control table and resubmit the Receiver.

Module: EKYF000X

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: EKYF000X

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 Header record and in the PRDS Register table to the PRDS Register table during registration. Register the PRDS in the PRDS Register table again before resubmitting the Receiver.

Module: EKYF000X

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 registered in the PRDS Register table. Register the PRDS in the PRDS Register table again before resubmitting the Receiver.

Module: EKYF000X
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 DSNAMES 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 DSNAMES 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 continues.

**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: EKYF400X

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 an 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, CSRCESRV 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:  None.

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

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 DataPropagator 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:

- 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 DYNALLOC 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 DYNALLOC 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.

Severity: Error.

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.

Module: EKYF300X

EKYF040E  UNABLE TO MAKE CAF CONNECTION TO 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 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=tstamp id to the PRDS control statement.
- Change STOP=TSM to STOP=END or STOP=tstamp 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 DSN 
  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.

Module:  EKYF000X

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

EKYF056E  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
<table>
<thead>
<tr>
<th>EKYG001E</th>
<th>EKYGJCL MUST BE DEFINED AS FIRST MACRO IN THE INPUT SOURCE, MACRO DEFINITION IGNORED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Severity:</strong></td>
<td>Error</td>
</tr>
<tr>
<td><strong>System programmer response:</strong></td>
<td>Place the EKYGJCL macro at the beginning of the input source.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>EKYGJCL</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EKYG002E</th>
<th>MANDATORY KEYWORD 'JCL=' IS MISSING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Severity:</strong></td>
<td>Error</td>
</tr>
<tr>
<td><strong>System programmer response:</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>EKYGJCL</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EKYG003E</th>
<th>JCL= VALUE HAS WRONG LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The value following the JCL= keyword cannot be processed as valid JCL.</td>
</tr>
<tr>
<td><strong>Severity:</strong></td>
<td>Error</td>
</tr>
<tr>
<td><strong>System programmer response:</strong></td>
<td>Refer to JCL documentation for information on the length of statements and JCL keyword and value formats.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>EKYGJCL</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EKYG004E</th>
<th>ONLY 1 EKYGSYS MACRO DEFINITION ALLOWED, MACRO DEFINITION IGNORED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>If this is not the first EKYGSYS macro, it is ignored. Only one is allowed.</td>
</tr>
<tr>
<td><strong>Severity:</strong></td>
<td>Error</td>
</tr>
<tr>
<td><strong>System programmer response:</strong></td>
<td>Delete the macro after the first.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>EKYGYSYS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EKYG005E</th>
<th>EKYGJCL MACRO NOT PREVIOUSLY DEFINED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>You must define the EKYGJCL macro as the first macro in the input job stream. Refer to Installation for more details.</td>
</tr>
<tr>
<td><strong>Severity:</strong></td>
<td>Error</td>
</tr>
<tr>
<td><strong>System programmer response:</strong></td>
<td>Define the EKYGJCL macro before defining any other DPROP macro.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>EKYGYSYS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EKYG006E</th>
<th>SVCNO= KEYWORD IS MISSING OR VALUE NOT DEFINED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The SVC= keyword is required on the EKYGYSYS macro.</td>
</tr>
<tr>
<td><strong>Severity:</strong></td>
<td>Error</td>
</tr>
<tr>
<td><strong>System programmer response:</strong></td>
<td>Add the keyword and a valid value.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>EKYGYSYS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EKYG007E</th>
<th>SVCNO= HAS INVALID NUMBER SPECIFIED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The SVCNO= value must be within a specific range. Refer to Installation for more details.</td>
</tr>
<tr>
<td><strong>Severity:</strong></td>
<td>Error</td>
</tr>
<tr>
<td><strong>System programmer response:</strong></td>
<td>Replace the value with one within the proper range.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>EKYGYSYS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EKYG008E</th>
<th>SQLDLM= HAS INVALID VALUE SPECIFIED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The SQL string delimiter (SQLDLM=) must contain one of two possible values.</td>
</tr>
<tr>
<td><strong>Severity:</strong></td>
<td>Error</td>
</tr>
<tr>
<td><strong>System programmer response:</strong></td>
<td>Place a valid string delimiter after the SQLDLM= keyword.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>EKYGYSYS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EKYG009E</th>
<th>SQLDLM= KEYWORD IS MISSING OR VALUE NOT DEFINED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A defined value should be placed after the SQLDLM= keyword.</td>
</tr>
<tr>
<td><strong>Severity:</strong></td>
<td>Error</td>
</tr>
<tr>
<td><strong>System programmer response:</strong></td>
<td>Check Installation for valid values.</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>EKYGYSYS</td>
</tr>
</tbody>
</table>
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.


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  VLCLASS= KEYWORD IS MISSING OR VALUE NOT DEFINED
Explanation: The VLCLASS= keyword is mandatory and must be included in the EKYGDPR macro.
Severity: Error.
System programmer response: Provide the VLCLASS= keyword and a valid value.
Module: EKYGDPR

EKYG039E  VLCLASS= VALUE HAS INVALID LENGTH
Explanation: The VLCLASS= 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=snname 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 DPROPGEN.
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 INVOLED 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

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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

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.
Module:  EKYH010X
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

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**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

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**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:** 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:** EKYH010X

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**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.

**Problem determination:** Call the IBM Software Support for assistance.

**System programmer response:** Call the IBM Software Support for assistance.

**Module:** EKYH020X

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**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.

**Problem determination:** Refer to the DB2 Administration Guide and the DB2 Messages and Codes.
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

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**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 DL/I 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

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**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 “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

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**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:** 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

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**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 unavailable resources. 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 currently executing 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 currently executing 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
Module: EKYH050X

EKYH100E A DB2 PRIMARY KEY COLUMN CHANGED ITS VALUE
TABLEQUAL=qualifier
TABLENAME=tablename PR=prid
COLUMN=column DBD=dbdname
SEGMENT=segment 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 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

EKYH102E 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 TABLEEQUAL=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

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**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

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**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

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**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 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 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

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**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

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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

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EKYH110I MESSAGE FROM FIELD LEVEL USER EXIT=exitname message text TABLEQUAL=qualifier TABLENAME=tablename 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

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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

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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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>DPROP called CEEPIPI with an invalid function code.</td>
</tr>
<tr>
<td>8</td>
<td>The LE/370 environment was already active</td>
</tr>
<tr>
<td>16</td>
<td>DPROP called CEEPIPI with an invalid token</td>
</tr>
</tbody>
</table>

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

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
**EKYH120I**  
**MESSAGE FROM SEGMENT LEVEL USER EXIT=exitname message text DATABASE=dbname 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

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**EKYH121E**  
**LE/370 CEEPPI CALL-SUB RETURNED WITH ERRORS WHEN INVOKING USER EXIT=exitname RC=returncode SRC=return code SRSN=reason code SFB=feedback code**

**Explanation:** The CEEPPI 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 CEEPPI 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.

**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.

**Module:** EKYH120X

---

**EKYH122E**  
**LE/370 CEEPPI START_SEQ RETURNED WITH RC=returncode**

**Explanation:** Module EKYH120X issued a CEEPPI START_SEQ call to signal the start of a series of subroutine calls. The CEEPPI call failed with the identified return code.

The return code values have the following meaning:
- 4: DPROP called CEEPPI with an invalid function code
- 8: The LE/370 environment was already active
- 16: DPROP called CEEPPI 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:** 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.

**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 CEEPPI CALL-SUB function in the IBM SAA AD/Cycle Language Environment/370 Programming Guide.

**System programmer response:** Ensure that the Chapter 9. Hierarchical Update Program (HUP) messages
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

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**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

---

**EKYH126E** INVALID FIELD FORMAT FOR LENGTH OR OCCURRENCE 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

**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

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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

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

Explanation: The error is caused by the LE/370 CEEPIPI module returning an error 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

---

**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
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

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.

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

LE/370 CEEPIPI CALL-SUB RETURNED WITH ERRORS WHEN INVOKING USER EXIT=exitname RC=returncode SRC=returncode SRSN=reasoncode SFB=feedbackcode

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

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

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**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

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**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

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

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

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

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:** EKHY100X

---

**EKHY154E** 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:** EKHY100X

---

**EKHY155E** 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:** EKHY100X

---

**EKHY156E** DLI DATABASE CALL FAILED DURING DB2 TO IMS PROPAGATION

**TABLEQUAL=**qualifier

**TABLENAME=**tablename **PR=**prid

**PROPAGATING TO DBD=**dbname

**SEGMENT=**segment

**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:** EKHY100X

---

**EKHY157E** TABLE RESTRICTED BY WHERE CLAUSE WHICH INHIBITS THE UPDATE

**TABLEQUAL=**qualifier

**TABLENAME=**tablename **PR=**prid

**PROPAGATING TO DBD=**dbname

**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 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

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**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 EKYH983I. These messages can help you to understand the problem encountered by the exit routine.

**Module:** EKYH120X

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**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.

**Module:** EKYH120X

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**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

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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.

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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 DLI 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 DLI 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.

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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.

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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

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**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

**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 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 TABLENAME 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 TABLENAME=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 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 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

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**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

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**EKYH408E** 
**SEGMENT IS NOT PROPAGATED BY THE SPECIFIED TABLE**

**TABLEQUAL=qualifier**

**TABLENAME=tablename**

**PR=prid**

**DBD=dbdname**

**SEGMENT=segment**

**FIELD=field**

**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
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, the optional Segment exit routine that processes the

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

**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:** EKYH400X

**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

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**EKYH426EFAILURE 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

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**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](#).

**Module:** EKYH430X

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**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

**Module:** EKYH430X
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.

**System programmer response:** For information on Segment exit routines, see the appropriate Administrators Guide for your propagation mode and

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**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 "other" 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

**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

**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

**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

**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

**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

**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

**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

**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

**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

**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

**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.
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 TABLENAMES=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 TABLENAMES=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 TABLENAMES=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 DPHRCB DIRECTORY TABLENAME=tablename

**Explanation:** The HUP could not read the HUP PRCB from the DPHRCB 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 TABLENAMES=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 COLUMN=column

**Explanation:** The length/scale of a column in the HUP PRCB does not match the length/width 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

---

**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' IS 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
Chapter 10. MQC service messages

EKYI000E  IMS BATCH ONLY SUPPORTED WITH RRS=Y ON DLIBATCH OR DBBBATCH PROCEDURE

Explanation: The DPROP EKYMQCAP exit was invoked by IMS in an IMS batch environment. Because, DPROP 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 DPROP 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  DPROP 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 DPROP PTD control block during later calls of EKYMQCAP (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 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 DPROP 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: EKYI001X

EKYI010E  INITIALIZATION FAILURE

Explanation: During initialization of the DPROP 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 DPROP in the IMS log or on the //EKYTRACE data set. If DPROP 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 DPROP in the IMS log or on the //EKYTRACE data set. If DPROP 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
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 DPROP in the IMS log or on the //EKYTRACE data set. If DPROP 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 DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI010X

EKYI017W EVENT MARKER CANNOT BE WRITTEN-DPROP SYSTEM IS STOPPED

Explanation: Either the Capture System utility (CUT) or an application program requested a write of an event marker. However, the DPROP 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 DPROP 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 DPROP detected that the length fields are inconsistent. This is an internal DPROP 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 DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI010X

EKYI021E INTERNAL ERROR: UNEXPECTED MQMS6ET FLAG

Explanation: After having built a compacted segment image, during verification DPROP detected that the MQMS6ET flag is incorrectly set. This is an internal DPROP 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 DPROP in the IMS log or on the //EKYTRACE data set. If DPROP 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 DPROP detected that the length of the changed data is incorrect. This is an internal DPROP 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 DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI020X

---

EKYI023E  INTERNAL ERROR: CHANGED DATA IS INCORRECT

Explanation: After having build a compacted segment image, during verification DPROP detected that the data of the changed data is incorrect. This is an internal DPROP 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 DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

Module: EKYI020X

---

EKYI024E  DPROP COULD NOT SEND AN MQSERIES MESSAGE

Explanation: DPROP 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: DPROP 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 DPROP ERROR: ERRORS IN ADDRESS COMPUTATION

Explanation: During the processing or reprocessing of the EKYTRANS file, DPROP detected that an address computation is invalid. This is an internal DPROP 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: 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: EKYI032X

---

EKYI040E  INVALID STATUS IN STATUS FILE RECORD

Explanation: EKYMQCAP found an invalid status in 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 that the data set allocated to //EKYMQST is a DPROP 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

<table>
<thead>
<tr>
<th>EKYI041E</th>
<th>ERROR WHILE ACCESSING THE STATUS FILE RECORD</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>EKYI042E</th>
<th>ERRORS WHILE ACCESSING THE //EKYTRANS DEFINITIONS</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>EKYI050I</th>
<th>'PROP OFF' IN EFFECT -- PROPAGATION IS SUPPRESSED</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGM=PGM, DBD=DBD, SEG=SEG, PRSTREAM=PRSTR</td>
<td></td>
</tr>
</tbody>
</table>

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 | 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 any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. Save the dump.

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 any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. 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.
<table>
<thead>
<tr>
<th>Module: EKYI061X</th>
</tr>
</thead>
</table>

**EKY062E** 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.

<table>
<thead>
<tr>
<th>Module: EKYI061X</th>
</tr>
</thead>
</table>

**EKY063E** 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 |

**EKY064E** 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 |

**EKY065I** 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=YES parameter in the IMS batch JCL procedure. If you don't, the DL/I ROLB call may fail.

| Module: EKYI066X |

**EKY066I** 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 |

**EKY067I** 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 |

**EKY091E** 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 appliname 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 DBBBATCH 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 DBBBATCH 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 DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

**Module:** EKYI310X

---

**EKYI315E  INTERNAL DPROP LOGIC ERROR**

**Explanation:** An internal DPROP 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 DPROP in the IMS log or on the //EKYTRACE data set. If DPROP 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 DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

**Module:** EKYI310X

---

**EKYI317E  APPLY PROGRAM, APPLY, ACKNOWLEDGES THE STOP COMMAND**

**Explanation:** The operator has issued a STOP command for the apply program.

**Severity:** Information.
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-DROP MESSAGE-TYPE IN MQSERIES MESSAGE

Explanation: The Apply Program received a message from MQSeries which has an invalid IMS DROP 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: 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 DROP 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 DROP 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 DROP 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 DROP 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

---
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 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 DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

**Module:** EKYI320X

---

**EKYI335E**  APPLY PROGRAM ENCOUNTURED 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 ENCOUNTURED 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 DPROP error. The IMS DPROP module EKYI330X was called with an invalid call function.

**Severity:** Error.

**System action:** DPROP 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 jobname 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 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

---

**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 control statement and resubmit the jobstep.

**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:** DPROP 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:** DPROP 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:** DPROP 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:** DPROP 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:** DPROP 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:** DPROP 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:** DPROP 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:** DPROP 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, PTDRETRSC=RSN
Explanation: The EKYMQAPP error handler was called with an invalid code in field PTDRETRSC.
Severity: Error.
System action: DPROP abends.
System programmer response: Call IBM Software Support for assistance.
Problem determination: 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: EKYI362X

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: EKYI363X

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.
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,  
DB2SSNM=FUNCTION=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: 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

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 RRSAF function identified in the message. The RRSAF 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 further identify the error.

**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.

**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...
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=dbh, 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=dbh, 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=dbh, 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

EKYI432I DPROP MQAPPLY <APPLNAME> 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 <APPLNAME> 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 <APPLNAME> 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: DPROP abends.

System programmer response: Check for other messages further explaining the error. Save any trace records created by IMS DPROP, and save the dump.
Call IBM Software Support for assistance.

Module: EKYI440X

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<td>Explanation: The Apply program encountered an error while trying to fetch a DB2 cursor on the DPROP directory.</td>
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<td>Severity: Error.</td>
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<td>System action: DPROP abends.</td>
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</tr>
<tr>
<td>System programmer response: Check for other messages further explaining the error. Save any trace records created by IMS DPROP, and save the dump. Call IBM Software Support for assistance.</td>
<td></td>
</tr>
<tr>
<td>Module: EKYI440X</td>
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<tr>
<td>Severity: Error.</td>
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<tr>
<td>System action: DPROP abends.</td>
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</tr>
<tr>
<td>System programmer response: Check for other messages further explaining the error. Save any trace records created by IMS DPROP, and save the dump. Call IBM Software Support for assistance.</td>
<td></td>
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<tr>
<td>Module: EKYI440X</td>
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<td>Severity: Error.</td>
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<tr>
<td>System action: DPROP abends.</td>
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<tr>
<td>System programmer response: Check for other messages further explaining the error. Save any trace records created by IMS DPROP, and save the dump. Call IBM Software Support for assistance.</td>
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<td>Module: EKYI450X</td>
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</tr>
<tr>
<td>Severity: Error.</td>
<td></td>
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<tr>
<td>System action: Processing continues.</td>
<td></td>
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<tr>
<td>System programmer response: Check for other messages further explaining the error. Save any trace records created by IMS DPROP in the IMS log or on the /EKYTRACE data set. If DPROP abends, save the dump.</td>
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</tr>
<tr>
<td>Module: EKYI369X</td>
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<tbody>
<tr>
<td>Explanation: The internal DPROP module EKYI369X was called with an invalid call function.</td>
<td></td>
</tr>
<tr>
<td>Severity: Error.</td>
<td></td>
</tr>
<tr>
<td>System action: DPROP abends.</td>
<td></td>
</tr>
<tr>
<td>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. If DPROP abends, save the dump.</td>
<td></td>
</tr>
<tr>
<td>Module: EKYI369X</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EKYI471E</th>
<th>DLI ERROR ACCESSING THE EKYEVMDB WITH CMD=dlicmd</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explanation: The IMS Apply program encountered an error when trying to access the EKYEVMDB database.</td>
<td></td>
</tr>
<tr>
<td>Severity: Error.</td>
<td></td>
</tr>
<tr>
<td>System action: Processing continues.</td>
<td></td>
</tr>
<tr>
<td>System programmer response: Check for other messages further explaining the error. Save any trace records created by IMS DPROP in the IMS log or on the /EKYTRACE data set. If DPROP abends, save the dump.</td>
<td></td>
</tr>
<tr>
<td>Module: EKYI331X</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EKYI472E</th>
<th>INVALID CALL FUNCTION FOR EKYI331X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explanation: The internal DPROP module EKYI331X was called with an invalid call function.</td>
<td></td>
</tr>
<tr>
<td>Severity: Error.</td>
<td></td>
</tr>
<tr>
<td>System action: DPROP abends.</td>
<td></td>
</tr>
<tr>
<td>System programmer response: Save any trace records created by IMS DPROP in the IMS log or on the /EKYTRACE data set. Save the dump. Call IBM Software Support for assistance.</td>
<td></td>
</tr>
<tr>
<td>Module: EKYI331X</td>
<td></td>
</tr>
</tbody>
</table>
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

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

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

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

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

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, EKYI914X

---

**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 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.

User response: Correct the input and rerun the jobstep.

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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>IMS DPROP called CEEPIPI with an invalid function code</td>
</tr>
<tr>
<td>8</td>
<td>The LE/370 environment was already active</td>
</tr>
<tr>
<td>16</td>
<td>IMS DPROP called CEEPIPI with an invalid token</td>
</tr>
<tr>
<td>20</td>
<td>IMS DPROP called CEEPIPI with a token different than the token used in a START_SEQ call</td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>DPROP called CEEPIPI with an invalid function code</td>
</tr>
<tr>
<td>8</td>
<td>The LE/370 environment was already active</td>
</tr>
<tr>
<td>16</td>
<td>DPROP called CEEPIPI with an invalid token</td>
</tr>
</tbody>
</table>

**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 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

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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

EKYL13E   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 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 ddbname.
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 ddbname.
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 ddbname.
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.
<table>
<thead>
<tr>
<th>Module</th>
<th>Message</th>
<th>Explanation</th>
<th>Severity</th>
<th>System action</th>
<th>User response</th>
<th>Module</th>
</tr>
</thead>
<tbody>
<tr>
<td>EKYL120X</td>
<td><strong>EKYL152E DUPLICATE INPUT CONTROL STATEMENT</strong></td>
<td>The DLU detected that an input control statement was provided twice. Identical input control statements are not accepted.</td>
<td>Error</td>
<td>Processing terminates.</td>
<td>Remove the duplicate input control</td>
<td>EKYL125X</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>statement and resubmit the job.</td>
<td></td>
</tr>
<tr>
<td>EKYL120X</td>
<td><strong>EKYL153E MUTUALLY EXCLUSIVE CONTROL STATEMENT</strong></td>
<td>The input control statements contain mutually exclusive control statements. Multiple ASSIGN control statements with the same TABQUAL= keyword are not allowed.</td>
<td>Error</td>
<td>Processing terminates.</td>
<td>Correct the input control statement</td>
<td>EKYL125X</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
<td>in error and resubmit the job.</td>
<td></td>
</tr>
<tr>
<td>EKYL120X</td>
<td><strong>EKYL155E CONTROL STATEMENT OUT OF SEQUENCE</strong></td>
<td>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.</td>
<td>Error</td>
<td>Processing terminates.</td>
<td>Set the input control statements in</td>
<td>EKYL125X</td>
</tr>
<tr>
<td></td>
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<td></td>
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<td></td>
<td>the required order and resubmit the</td>
<td></td>
</tr>
<tr>
<td>EKYL125X</td>
<td><strong>EKYL156E 'CREATE' CONTROL STATEMENT IS MISSING</strong></td>
<td>The DLU requires at least the mandatory CREATE input control statement in DLUIN ddname. This input control statement was not provided.</td>
<td>Error</td>
<td>Processing terminates.</td>
<td>Provide a CREATE input control</td>
<td></td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>statement and resubmit the job.</td>
<td></td>
</tr>
<tr>
<td>EKYL125X</td>
<td><strong>EKYL145E END OF CHECKING PHASE FOR DATA SET ALLOCATED TO DDNAME ddn</strong></td>
<td>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.</td>
<td>Error</td>
<td>Processing terminates.</td>
<td>Correct the input control statements</td>
<td></td>
</tr>
<tr>
<td>EKYL120X</td>
<td><strong>EKYL146E ALL INPUT DATA IGNORED; JOB TERMINATED; ERRORS DETECTED DURING INITIALIZATION PHASE</strong></td>
<td>This trailer message ends the list of unusable control statements and the related error message. Message EKYL141E shows the name of the ddname.</td>
<td>Error</td>
<td>Processing terminates.</td>
<td>and resubmit the job.</td>
<td></td>
</tr>
<tr>
<td>EKYL120X</td>
<td><strong>EKYL150I START OF PROCESSING PHASE FOR DATA SET ALLOCATED TO DDNAME ddn</strong></td>
<td>This informational message reports that the DLU successfully read and checked all input control statements in ddname ddn and now begins to process them.</td>
<td>Information</td>
<td>Processing continues.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EKYL125X</td>
<td><strong>EKYL151I LIST OF INPUT CONTROL STATEMENTS SUPPLIED</strong></td>
<td>The DLU accepted all of the following input control statements that were supplied.</td>
<td>Information</td>
<td>Processing continues.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EKYL125X</td>
<td><strong>EKYL151II</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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:  EKYL125X

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: ddb
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: ddb
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: ddb
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 EXTRANEOUS; 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 (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: EKYL155X

---

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: EKYL155X

---

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: EKYL155X

---

EKYL171E  EXTRANEOUS 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  EXTRANEOUS 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

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

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
**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

---

**Explanation:** The DLU (step 1) attempted to write information into the control data set (DLUCDS) and found that the ddname \( \text{ddn} \) is missing.

**Severity:** Error.

**System action:** Processing terminates.

**User response:** Provide the require ddname and resubmit the job.

**Module:** EKYL180X

---

**Explanation:** The DLU attempts to load the module containing the DB2 subsystem default values, but the module could not be successfully loaded. \( \text{mdl} \) is the name of the module to be loaded. \( \text{returncode} \) 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

---

**Explanation:** The DLU attempts to load the DL/I Language Interface module but the module could not be successfully loaded. \( \text{mdl} \) is the name of the module to be loaded. \( \text{returncode} \) 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

---

**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:** Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

**Module:** EKYL210X

---

**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:** Provide an appropriate JOBLIB/STEPLIB for the library containing the module and resubmit the job.

**Module:** EKYL210X

---

**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:** Provide an appropriate
JOBLIB/STEPLIB for the library containing the module and resubmit the job.

**Module:** EKYL410X

---

**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

---

**EKY460E** **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

---

**EKY461E** **//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

---

**EKY462E** **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

---

**EKY463E** **//MERGEIN2 DD STATEMENT MISSING**

**Explanation:** The //MERGEIN2 DD statement is missing.

**Severity:** Error.

**System action:** Processing terminates with return code 16.

**Module:** EKYL465X

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**EKY464E** **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

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**EKY465E** **//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:** 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

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**EKY466E** **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

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**EKY467E** **INTERNAL ERROR: EKYL465X CALLED WITH INVALID READ CODE value, 'LC00DLI' AND/OR 'LC00TBL' 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 DPROP 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**

**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**

**EKYL479E** HUP DID NOT FIND A VALID PR FOR SEGMENT=segment, 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.
**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

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**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

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**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

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**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 JCL for the missing ddname 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 appropriate action required by the PCB status code described in IMS manuals 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 JCL for the missing ddname and resubmit the job.

Module: EKYL610X

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
ERROR INFORMATION CODE: id/c

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

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
ERROR INFORMATION CODE: id/c
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: id/ic

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

**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): hexadecimaldecimal
DDNAME: ddn ERROR REASON CODE: reasondecimal 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:  EKYL635X

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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: id/c

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.
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**System action:** Processing terminates.

**User response:** Correct the DD statement in error, 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` ERROR INFORMATION CODE: `ic`

**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` ERROR INFORMATION CODE: `ic`

**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:** EKYL650X

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**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: EKYL650X

EKYL657E NONZERO CODE RETURNED BY MACRO macro WHEN RETRIEVING JCL ALLOCATION RESOURCES RETURN CODE (R15): hexadecimal/decimal

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: EKYL650X

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

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
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

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**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

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**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

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**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

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**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: ic/ic

**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

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**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

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**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: ic/ic**

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: 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: ic/ic**

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

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**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

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**EKYL701E** 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:** Correct the DD statement in error, and resubmit the job.

**Module:** EKYL710X

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**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

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**EKYL703E** DDNAME *ddn* IS INVALID CORRECT SPELLING IS DLUIIN***xxx**, WHERE ***xxx*** MUST BE A 3-DIGIT VALUE => 001 AND <= 999

**Explanation:** The DLU detected that DLUIIN***xxx* DD statements were provided but did not follow the naming convention for ***xxx***.

**Severity:** Error.

**System action:** Processing terminates.

**User response:** Provide for each DLUIIN***xxx* 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

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**EKYL714E** DDNAME *ddn* IS DUPLICATE CORRECT SPELLING IS DLUIIN***xxx**, WHERE ***xxx*** MUST BE A UNIQUE 3-DIGIT VALUE => 001 AND <= 999

**Explanation:** The DLU detected that DLUIIN***xxx* DD statements were provided but ***xxx*** was not unique within all DLUIIN***xxx* DD statements.

**Severity:** Error.

**System action:** Processing terminates.

**User response:** Provide for each DLUIIN***xxx* 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 DLUNxxx 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

EKYL715E 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: id/ic

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

EKYL715E 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 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

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: id/ic

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
Chapter 11. DL/I Load Utilities (DLU) messages

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 formal checks on the records of a DLUIINxxx 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

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 DLUIINxxx data set, the DLU detected some unexpected data. The records for a specific segment must be provided only in one of the DLUIINxxx 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
**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 segment name does not contain the valid segment name 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

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**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

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**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

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**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
Chapter 11. DL/I Load Utilities (DLU) messages

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 shows the 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 SEGMENT CODE FOUND IN DBD: 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: Delete the extraneous PCB in your PSB, and resubmit the job.

Module: EKYL730X

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
Module: EKYL730X

**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 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

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Module: EKYL750X

**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
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 number. 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 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  an  HD  unload  file  created  by  DFSURGU0  or  by  any  other  compatible  vendor  product,  and  resubmit  the  job.

Module:  EKYL755X

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  the  KEY  part  as  described  in  the  IMS  DataPropagator  Reference,  and  resubmit  the  job.

Module:  EKYL720X,  ELYL750X

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

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**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: codel code SEGMENT CODE FOUND IN DBD: codel 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 is the segment name for which the occurrence count is incorrect. codel 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

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**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:** Following a GN operation, the DLU detected an unexpected status code in the PCB. stc is the unexpected status code. ddbd is the name of the DBD. rct shows the number of DL/I calls that have already been successfully issued.

**Module:** EKYL755X

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**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 count 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

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**EKYL761E** UNEXPECTED DL/I STATUS CODE RECEIVED AFTER 'GN' OPERATION STATUS CODE: stc DBD NAME: ddbd 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. ddbd 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

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**message 1:**

**GU4001**

**reason code:** EKYL760E

**description:** 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 that 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

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**message 2:**

**GU4001**

**reason code:** EKYL761E

**description:** INCONSISTENT SEGMENT LEVEL IN DL/I DATABASE DBD NAME: dbd

**number of successfully retrieved segments:** rct

**segment name:** segment

**Found key feedback area:** level

**Segment level found in DBD:** 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 unexpected segment name. **level** shows the segment level 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

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**message 3:**

**GU4001**

**reason code:** EKYL764E

**description:** UNEXPECTED KEY FEEDBACK LENGTH IN DL/I DATABASE DBD NAME: dbd

**Number of successfully retrieved segments:** rct

**Segment name:** segment

**Feedback area:** len

**Length found in key feedback area:** len

**Length found in DBD:** 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 unexpected segment name. **len** shows 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

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**message 4:**

**GU4001**

**reason code:** EKYL765E

**description:** UNEXPECTED SEGMENT LENGTH IN DL/I DATABASE DBD NAME: dbd

**Number of successfully retrieved segments:** rct

**Segment name:** segment

**minimum length:** len

**Length found in I/O area:** len

**Length found in DBD:** 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 unexpected segment name. **len** shows the 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

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**message 5:**

**GU4001**

**reason code:** EKYL766E

**description:** 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

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 DL/I 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 DL/I 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 MEMBER NAME:  mdl
RETURN CODE (R1):  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.  DCBOFLGS 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 return codes 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: EKYL805X

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: EKYL805X

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: EKYL805X

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: EKYL805X

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: EKYL805X

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: EKYL805X
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

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

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

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

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

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

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: EKYL8680X

EKYL873E //DLUDSCRM DD STATEMENT MISSING

Explanation: The //DLUDSCRM DD statement is missing.
Severity: Error.
System action: Processing terminates with return code 16.

Programmer response: Call IBM Software Support for assistance.

Module: EKYL8680X

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: EKYL8680X
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

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

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

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

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 PROV IDED 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
**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

---

**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

---

**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

---

**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

---

**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

---

**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

---

**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
**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

---

**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

---

**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.

**Severity:** Error.

**System action:** DLU processing terminates.

**User response:** Resubmit the job.

**Module:** EKYL965X

---

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

---

**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:** Resubmit the job.

**Module:** EKYL965X
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 (RO): 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
**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

**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

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**Severity:** Error.

**System action:** Processing terminates.

**User response:** See IBM Database2 Messages and Codes for the appropriate action.

**Module:** EKYL995X

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**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

---

**EKYL998E**

CAF CONNECTION FAILURE: OPEN
ERROR SEE NEXT MESSAGE
(EKYZ360E) FOR MORE DETAILED
INFORMATION (SOLCA CONTENTS)
CAF CALL PARAMETER 1, FUNCTION:
function 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:** DLU processing terminates.

**User response:** See DB2 Messages and Codes for the appropriate action.

**Module:** EKYL995X

---

**EKYL999E**

CAF CONNECTION FAILURE: OPEN
ERROR CALL CALL PARAMETER 1,
FUNCTION: function 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: 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: Warning.
System action: Processing continues if all the mandatory propagation parameters are present.
Programmer response: None.
Module: EKYM010X

EKYM005E LOAD FAILED FOR DB2 MODULE 'DSNHDECP'; ERROR CODE=errcde, 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.
**Explanation:** The default propagation parameters provided in the MVGPARM data set follow this message. They are written to the /MVGPPRINT 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 one exists.

**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 cause of 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 this PR 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 and 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 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.

Module: EKYM040X

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,
FIELD=field

**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:** EKYMO40X

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**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:** EKYMO40X

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**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:** For a description of data types, see the IMS DataPropagator Reference.

**Module:** EKYMO40X

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**EKYM047E** INVALID LENGTH FOR THE SPECIFIED DATATYPE IN PR=prid,
DBNAME=dbname, SEGMENT=segment, FIELD=field

**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.

**Module:** EKYMO40X

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**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

**EKYM040E**  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 MVG is called by the MVGU. Rerun the DXT UIM job or the MVGU job for this PR.

**Module:** EKYM040X

**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:** EKYM040X

**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:** EKYM040X

**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:** EKYM040X
**EKYM055E**  
**PROPAGATION USER EXIT (EXITNAME) SHOULD NOT BE SPECIFIED IN PR=prid; PRTYPE=prttype**

**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=prttype**

**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

**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.

**Module:** EKYM050X
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

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**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

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**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

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**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

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**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

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**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

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**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 field 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

**EKYM040E** 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: EKYM040X

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Module: EKYM100X

**EKYM100E** 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.

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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.

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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.

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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.

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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.

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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 DPROP 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 DPROP 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.
Module: EKYM120X

EKYM121E ERROR WHILE CLOSING THE CURSOR=cursoname
Explanation: While trying to close a DB2 cursor on a table of the DB2 catalog, 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: EKYM120X

EKYM122E ERROR WHILE CLOSING THE CURSOR=cursoname
Explanation: While trying to close a DB2 cursor on a table of the DB2 catalog, 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: 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 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: 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

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

Explanation: The identified table appears more than once in the IMS DPROP directory but this table appears at least once qualified and another time unqualified. 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

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 for this PR.

Module: EKYM120X

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: 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

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:

- 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.
- 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

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: 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.
- 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.
**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 on the SEG MVG input table, correct the error, and rerun 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

---

**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.

**Programmer response:** Provide //EKYIN and //EKYTRACE DD statements to activate the IMS DPROP trace, and specify DEBUG=8 to trace the program entries.

**Module:** EKYM130X

---

**Module:** EKYM130X
• 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, SEGMENT=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.

**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 for this PR.

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:** 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
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 DPROP does not recognize the data type of the identified column. Either this is an internal error, or the IMS DPROP 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

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 Chapter 12. Mapping Verification and Generation (MVG) messages 241
parent segments, specify the PATH keyword in the propagation parameter. Rerun the DXT UIM job or the MVGU job for this PR.

**Module:** EKYM160X

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<tr>
<td>EKYM161E</td>
<td>THE WHERE CLAUSE CONTAINS DATA FROM AN EXTENSION SEGMENT;</td>
<td>The where clause cannot contain data from an extension segment.</td>
<td>Error</td>
<td>Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVS stops processing this PR and begins processing a new PR if one exists.</td>
<td>Correct the PR definitions, and rerun the DXT UIM job or the MVGU job for this PR.</td>
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</table>
| EKYM162E   | CASCADE NODATA IS NOT ALLOWED FOR THE CURRENT SEGMENT;                                       | 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.                                                                                                                 | Error    | Validation continues. When validation is complete, the processing of this PR terminates with return code 8. The caller of MVS stops processing this PR and begins processing a new PR if one exists. | 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. |
| EKYM163E   | INVALID SITUATION ENCOUNTERED IN THE SEG CONTROL BLOCKS                                       | The segment described in the first internal SEG control block (EKYMCMSE) is not the root segment. This is an internal problem.                                                                               | Error    | Processing of the program terminates with return code 16. The caller of MVS terminates with the same return code. |                                                                                  |
| EKYM164E   | THE FULLY CONCATENATED KEY OF THE ENTITY SEGMENT IS NOT PROPAGATED ENTIRELY TO THE DB2 PRIMARY KEY; | 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.                                                            | Error    | Processing of the PR terminates with return code 8. The caller of MVS stops processing this PR and begins processing a new PR if one exists. |                                                                                  |
| EKYM165W   | THE ENTITY SEGMENT SHOULD HAVE A UNIQUE FULLY CONCATENATED KEY;                                | The identified segment does not have a unique fully concatenated key.                                                                                                                                       | Warning  | Processing continues.                                                                                                        |                                                                                  |
| EKYM166W   | THE FULLY CONCATENATED KEY OF THE ENTITY SEGMENT IS NOT UNIQUE; MAPPING SHOULD BE DONE BY AT LEAST ONE ADDITIONAL ID FIELD; | 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. | 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: Correct the situation, and 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

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 TW|RH, 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=dpname, TOKEN=dpto
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

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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 TW|RH 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.

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

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

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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

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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:** Check the PR definition, specify a physical DBD, and rerun the DXT UIM job or the MVGU job for this PR.

**Module:** EKYM200X

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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

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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

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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 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 PR definition, specify a correct DBD, and rerun the DXT UIM job or the MVGU job for this PR.

**Module:** EKYM200X

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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=dbname

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=dbname

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=dbname

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=dbname

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=dbname

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=dbname

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 EKYM110X) 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.
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

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 (ASYNC 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

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**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.

**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

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**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

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**EKYM227E** NONZERO RETURN CODE RECEIVED FROM 'EKYCIASFT 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

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**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=BUILD (this is the default), and rerun the DXT UIM job to create this PR.

**Module:** EKYM220X

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**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

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**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 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

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 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 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 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
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=dpname, 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=cursoname ACCESSING SYSBM.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=cursoname ACCESSING SYSBM.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=SYSBM.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

254  Messages and Codes
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=ptype, 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.

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=dbname, 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 DYNALLOC OPERATION WITH VERB-CODE=vc, RETURN-CODE=returncode, ERROR-CODE=errcode, INFO-CODE=reasoncode

Explanation: While performing a DYNALLOC 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

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**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

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**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

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**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

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**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

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**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

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**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.

Module:  EKYM300X

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

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=ctype, DXT COLTYPE=ctype

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: EKYM400X

Module: EKYM401X

EKYM408E  INVALID LENGTH FOUND ON COLTYPE FLOAT: PRID=prid SEG=segment, DB2 COLTYPE=ctype, DXT COLTYPE=ctype 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: EKYM400X

EKYM409E  INVALID SCALE FOUND: PRID=prid, SEG=segment, COLUMN NAME=column, DB2 COLTYPE=ctype, DXT COLTYPE=ctype

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: EKYM400X

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: EKYM400X

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: Provide a DD statement with ddname MVGUMOD 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: Check any messages previously issued by IMS DPROP I/O services, correct the error, and resubmit the job.

Module: EKYM401X

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: Check any messages previously issued by IMS DPROP I/O services, correct the error, and resubmit the job.

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: Check any messages previously issued by IMS DPROP I/O services, correct the error, and resubmit the job.

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: Correct the cause of the error, 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 that 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 and 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 //EKYN 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 //EKYN 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.

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 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 UIIM or the MVGU job for this PR.

**Module:** EKYM510X

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**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 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

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**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 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

---

**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 DPROP 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 DPROP communication area (DPRCA) created by the MVGU module EKYV200X has an invalid content. This is an internal IMS DPROP 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 DPROP 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 'EKYCIASP 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

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

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

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

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
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=cursoname 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=cursoname 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, 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

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, 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

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**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

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**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

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**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

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**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

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**EKYM700E** INVALID DPRCA CONTENT (INTERNAL ERROR)

**Explanation:** The content of the IMS DPROP communication area (DPRCA) created by the MVGU module EKYZ300X 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

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**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

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Chapter 12. Mapping Verification and Generation (MVG) messages

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 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

EKYM703E  NONZERO RETURN CODE RECEIVED FROM 'EKYCIAST 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:  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/deactivated with the SCU; the IMS DPROP 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 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

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 DPROP control block table (DPRCBT). While processing this delete, 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

EKYM707E  NONZERO RETURN CODE RECEIVED FROM THE SQL UPDATE MODULE GENERATOR; RETURN CODE=returncode

Explanation:  IMS DPROP 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

**EKYM710I** 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

**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 //MVGPRTN data set.

Severity: Warning.

System action: Processing continues.

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=cursoname 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=cursoname 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=dbdbname FROM THE SEG MAPPING TABLE

Explanation: While trying to fetch a row from the SEG mapping table for the identified DBD, 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

EKYM720E ERROR WHILE FETCHING A ROW FOR DBD=dbdbname, 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, 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

EKYM721E INCORRECT DPROP NAME/TOKEN FOUND ON THE MAPPING TABLES; NAME=dprname, TOKEN=dprto

Explanation: While accessing the IMS DPROP directory, IMS DPROP 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 DPROP 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

**EKYM725E**  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:** EKYM800X

**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=dbname

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

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**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

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**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

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**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

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**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

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**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

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**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

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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 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

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 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

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 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

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 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

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 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

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 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.
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:**  
Check the warning or error messages issued during this revalidation, and if necessary, correct your PR and perform a PR creation again.

**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

**EKYM835E**  
**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:**  
None.

**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
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**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

**EKYM931I PR=pr PROPAGATES TO A NON-CONDENSED CONSISTENT CHANGE DATA TABLE**

**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
**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=dbname, 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=dbname, 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=dbname, 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**: 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.

Module: EKYM180X

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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 TW/RH, 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 TW/RH. 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.
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.
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: EKYM180X
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.
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 WHILEParsing 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: rsnrsn ERROR INFORMATION CODE: ic/ic

**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): rc/rdc 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: sqrcode

Explanation: The SQL code sqrcode 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

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**EKYP117I**  PROCESSING COMPLETE FOR REGISTER OF: ins

**Explanation:** This message is displayed in conjunction with EKYP006I. They 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

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**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

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**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

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**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

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**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

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**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

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**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

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**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

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**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: Ignore this message if this is an expected result.
Module: EKYP200X

EKYP217W AN ERROR OCCURRED WHEN ATTEMPTING TO WRITE TO THE REGLIST PRINT FILE RETCODE: retcode

Severity: Warning.
System action: PRU processing continues.
Programmer response: Resubmit the PRU job.
Module: EKYP200X

EKYP218W NO RECEIVER EXISTS IN THE RCT TABLE dprrct THAT CAN PROCESS THE PRDS: GROUP ID: grpid SEQUENCE NO: seqno DSN: dsn

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

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.
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

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

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

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

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: 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.
EKYP317W  NO DATA SETS RETURNED THAT SATISFY THE OLDERTHAN= 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 OLDERTHAN= 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 PARSENG 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, EKYQ400X, EKYQ500X

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 DPROP 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 DPROP 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 DPROP 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 about how to define Receivers and assign PRs to Receivers.
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

Module: 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

Module: 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

Module: 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

Module: 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

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**EKYQ016E** INTERNAL ERROR PROCESSING THE PR PROPAGATION REQUIREMENTS LIST EXCEPTION RAISED:

**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

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**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

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**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

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**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

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**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

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**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

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**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

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**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).

EKYR011E  PRCB IS MARKED AS INVALID

DBD=dbdbname 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=dbdbname 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=dbdbname SEG=segment PR=prid PRSET=prset

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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

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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 unavailable resources. 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

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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/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 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

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Module: EKYR010X

**EKYR017E PATH DATA FOR DLET NOT PROVIDED BY RUP CALLER; DBD=dbname 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

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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

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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: Determine 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

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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

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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

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**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

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**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
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

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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

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**EKYR061E**  
**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 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

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**EKYR062E**  
**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.

**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
Module: EKYR020X, EKYR030X, EKYR040X and EKYR060X

**EKYR064E** LENGTH OF A VARIABLE LENGTH GRAPHIC FIELD IS NOT EVEN

**DBD**=dbname **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**=dbname **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**=dbname **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**=dbname **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

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**EKYR068E** INVALID VALUE IN THE RFLDEFTC 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 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:** EKYR020X, EKYR030X, EKYR040X and EKYR060X

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**EKYR069E** INVALID VALUE IN THE RFLCONVC 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 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:** EKYR020X, EKYR030X, EKYR040X and EKYR060X

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**EKYR070E** NONNUMERIC VALUE IN A FIELD DEFINED AS NUMERIC

**DBD=dbdname 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

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**EKYR071E** VALUE OF FIELD DOES NOT FIT INTO BINARY TARGET

**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
**EKYR072E** VALUE OF FIELD DOES NOT FIT INTO SMALLINT COLUMN  
**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

**EKYR075E** VALUE OF FIELD DOES NOT FIT INTO TARGET NUMERIC COLUMN  
**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

**EKYR076E** UNEXPECTED ERROR: COLUMN CANNOT HAVE A ZONED FORMAT  
**DBD=dbname**  
**SEG=segment**  
**FIELD=field**  
**COL=column**  
**PR=prid**  
**PSB=psbname**  

**Explanation:** A field is too long to fit into the target 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.  

**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

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Chapter 15. Relational Update Program (RUP) messages
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

EKYR020X  VALUE OF LENGTH FIELD IS NEGATIVE
DBD=dbname
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 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

EKYR078E  INVALID DATE
DBD=dbname
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 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 TIME
DBD=dbname
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

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**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

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**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

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**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

**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.

**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

**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 EKYPUP00 BY ANOTHER DPROP COMPONENT

**Explanation:** This is probably an internal DPROP error. The DPROP module EKYPUP00 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.

**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

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Chapter 15. Relational Update Program (RUP) messages 307
**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:** EKYR020X

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**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:

1. **ID-FIELD**  
The field is an ID field of a TYPE=E PR

2. **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

3. **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.

4. **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 DPRCBB TABLE DBD=dbdname SEG=segment

Explanation: The RUP was not able to read the PRCB from the DPRCBB 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: Make sure that the PR IDs are not the same as the names of other load modules.

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: 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.

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.

Programmer response: Make sure that the PR IDs are not the same as the names of other load modules.

Module: EKYR100X
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

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**Module: EKYR100X**

**EKYR107E** UNEXPECTED PR ID IN SAVEID OF SQL UPDATE MODULE DBD=dbname 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: Check previous error messages describing why the SQL update module could not be loaded.

Module: EKYR100X

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**Module: EKYR100X**

**EKYR108E** PR IS MARKED AS INVALID IN THE PRCB CONTROL BLOCK DBD=dbname 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

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**Module: EKYR100X**

**EKYR109E** ERRORS WHILE LOADING A SEGMENT USER EXIT DBD=dbname 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

**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/HUP 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

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**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

**Explanation:** This is probably an internal DPROP error. The RUP detected that the DPROP DSECTMWC

**Module:** EKYR100X

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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: EKYR300X

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.
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 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

**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 TRB[Y]E 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

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**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.

---

**EKYR420X**  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

---

**EKYR450I**  'PROP OFF' IS IN EFFECT -- PROPAGATION IS SUPPRESSED

**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' IS IN EFFECT -- PROPAGATION IS SUPPRESSED

**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

**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:** EKYR450X

---

**EKYR453I**  'PROP SUSP' IS IN EFFECT -- PROPAGATION OF SOME DATA SUPPRESSED

**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: EKRY450X

EKYR454E UNEXPECTED ERROR: INVALID CALL FUNCTION

Explanation: The internal DPROP module EKRY450X 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: EKRY450X

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 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: EKRY500X

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: EKRY380X

EKYR970I INFORMATION MESSAGE FROM USER

EXIT=exitn txt=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:** 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:** 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:** 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:** EKYR970X

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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/UIIM 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/UIIM 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.

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
//EKYTRACE data set. If DPROP abends, save the dump.

**Module:**  EKYR970X

**EKYR980I**  INFORMATION MESSAGE FROM USER

**EXIT= exit 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 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 EKYEXS0E 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 EKYEXS1E 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 EKYEXS2E 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 EKYEXS3E 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 EKYEXS4E 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 EKYEXS5E 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.
**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.

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**EKYR981E EKYEXS6E 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.

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**EKYR981E EKYEXS7E 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.

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**EKYR981E EKYEXS8E 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.

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**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=dbname 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=dbname 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=dbname 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 CANNOT SUPPRESS PROPAGATION DBD=dbname SEG=segment FLD=field COL=column 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 change the content or offset of fields mapped to a column of the primary DB2 key.

Module: EKYR980X
**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 DPROP in the IMS log or on the //EKYTRACE data set. If DPROP abends, save the dump.

**Module:** EKYR970X

**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 shown 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:** EKYR970X, EKYR980X, and EKYR990X

**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 shown 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

**Severity:** Error.

**System action:** The error is handled according to the RUP/HUP logic for programming errors. For more information, 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

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**Module:** EKYR980X

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**Module:** EKYR990X
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

**EKYSA01E**  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 CREATERECE control statement.

*Severity:* Error.

*System action:* SCU processing terminates.

*Programmer response:* Correct the input control statement and resubmit the job.

*Module:* EKYS113X

**EKYSA02E**  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

**EKYSA03E**  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

**EKYSA04E**  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

**EKYSA05E**  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

**EKYSA06E**  ERROR IN CREATERECE 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

**EKYSA07E**  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: Correct the input control statement and resubmit the job.
Module: EKYS114X

EKYSB03E 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

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

EKYSB04E 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 rename

Explanation: Because the PR prid is not assigned to the Receiver specified in the ASSIGNPRI 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 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: Error.

System action: SCU processing terminates.

Programmer response: None.

Module: EKYS115X

EKYSC08E  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

EKYSC09E  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

EKYSC10E  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.

Module:  EKYS116X

Correct the cause of the error before resubmitting the job.

Module:  EKYS116X

EKYSD03E  RECEIVER  recname IS EXECUTING. PR ASSIGNMENTS CANNOT BE DELETED

Explanation:  The Receiver  recname 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  recname

Explanation:  An assignment could not be found for the PR  prid and Receiver and  recname.

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: EKYS112X

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: EKYS111X

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

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

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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: lide

Explanation: An IMS DPROP program error occurred at location lide in module module.

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

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

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): rc

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

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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

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Module: EKYS012X

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 statement and resubmit the job.

Module: EKYS012X

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Module: EKYS012X

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: EKYS012X

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Module: EKYS012X

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

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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 DSNAME 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

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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

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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): rsrc DDNAME: ddn ERROR REASON CODE: 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): rsrc DDNAME: ddn DSNAME: dsn DISP: MOD ERROR REASON CODE: 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 ddbname IS MISSING

Explanation: The DD statement that defines the SCU DB2 plan and the DB2 system is missing. Either:

- An IMS DPROP Synchronous is required and no DD statement with the name ddbname is supplied.
- A DD statement has been supplied for the Status File while running IMS DPROP in Asynchronous mode.

The SCU assumes that a Synchronous IMS DPROP system is required when a DD statement for the IMS DPROP Status File exists.

Module: EKYS012X

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: EKYS012X

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: EKYS012X

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: EKYS013X

**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.

User response:  Provide the appropriate input control statements and resubmit the job.

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:  EKYS015X

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

User response:  Correct the DPROP= value and resubmit the job.

Module:  EKYS016X
the IMS DPROP status file. The DSNAME= keyword is specified in the JCL during DPROPGEN.

Severity: Error.

System action: SCU processing terminates.

User response: Take one of these actions:
- Change the DSNAME 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

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 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 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

**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

**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.

**Severity**: Error.

**System action**: SCU processing terminates.

**User response**: Correct the input control statement and resubmit the job.

**Module**: EKYS020X

**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

**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.

**System action**: SCU processing terminates.

**User response**: Correct the input control statements in error and resubmit the job.

**Module**: EKYS021X

**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

**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

**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

**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:** Delete the unwanted rows and resubmit the job.

**Module:** EKYS022X

**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

**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 of the program is terminated.

**User response:** Delete the unwanted rows and resubmit the job.

**Module:** EKYS022X

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

**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

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
System action: SCU processing terminates.

User response: Messages issued by CIA services precede this one. Refer to these messages for appropriate action.

Module: EKYS022X

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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

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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

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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.

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

---

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):**
`rc` 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):**
`rc` 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.

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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 +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): rc/rc 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 \textit{nbr} DEADLOCKS REACHED

**Explanation:** The SCU tried reprocessing its current unit of work until it reached the maximum number of deadlocks (\textit{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 \textit{nbr} UNMATCHED DPROP RESOURCES REACHED

**Explanation:** The SCU tried reprocessing its current unit of work until it reached the maximum number (\textit{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:** Information.

**System action:** Processing continues.

**Module:** EKYS033X

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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.

**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

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EKYS341E  NONZERO COMPLETION CODE RETURNED BY MACRO macro RETURN CODE (R15): rc/rc 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

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EKYS342E  LIMIT OF \textit{nbr} DEADLOCKS REACHED

**Explanation:** The SCU tried reprocessing its current unit of work until it reached the maximum number of deadlocks (\textit{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 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 DBD(S): The SCU detected that an entry in a RECON data set for which a resource should be updated was already updated either by another SCU executing at the same time or by an authorized DBRC user.

Severity: Information.

System action: Processing continues.

Module: EKYS034X

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EKYS345E NONZERO CODE RETURNED BY MACRO macro RETURN CODE (R15):

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

---

EKYS346E LIMIT OF nbr DEADLOCKS REACHED

Explanation: The SCU tried reprocessing its current unit of work until it reached the maximum number 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: 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: 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

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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 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 ddn and resubmit the job.
Module: EKYS037X

EKYS373E NONZERO CODE RETURNED BY MACRO macro RETURN CODE (R15): rdc 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): rdc 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.
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: Information.
System action: Processing continues.
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 DBRC 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 DB2 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 by another SCU executing at the same time or by an authorized DB2 user.
Severity: Error.
System action: SCU processing terminates.
User response: Supply a DD control statement with ddname ddn and resubmit the job.
Module: EKYS038X

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User response: Delete this input control statement and resubmit the job.

Module: EKYS038X

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**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 ddn and resubmit the job.

**Module:** EKYS038X

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**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

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**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

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**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.

**Severity:** Error.

**System action:** SCU processing terminates.

**User response:** Resubmit the job.

**Module:** EKYS040X
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 DBRC 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 either by another SCU executing at the same time or by an authorized DB2 user.

**Severity**: Information.

**System action**: Processing continues.

**Module**: EKYS040X

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**EKYS411E**  NONZERO CODE RETURNED BY MACRO macro RETURN CODE (R15): rc/ Macron 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

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**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 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:** EKYS041X

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**EKYS421E** NONZERO CODE RETURNED BY MACRO macro RETURN CODE (R15):

**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:** EKYS042X

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**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 DPROP 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 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:** EKYS042X

---

**EKYS424I** 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 P Richs:** 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:** EKYS042X

  

  EKYS431E  NONZERO CODE RETURNED BY MACRO  macro RETURN CODE (R15):
  
  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.

  **Severity:** Information.
  **System action:** Processing continues.
  **Module:** EKYS043X
EKYS441E  NONZERO CODE RETURNED BY
MACRO macro RETURN CODE (R15):
rc/ rc 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

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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

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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

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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

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EKYS451E  NONZERO CODE RETURNED BY
MACRO macro RETURN CODE (R15):
rc/ rc 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: Information.
System action: Processing continues.
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 +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 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 DBD(S): The SCU detected that an entry in a RECON data set 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.
- 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: Error.
System action: SCU processing terminates.
User response: Supply the missing DD statement and resubmit the job.
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): 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: Supply the missing DD statement and resubmit the job.
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: Messages issued by CIA services precede this one. Refer to these messages for the appropriate action.
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: EKYS045X

**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 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 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

---

**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

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**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

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**Explanation:** While processing the DISPLAY statement, the SCU was unable to access the IMS DPROP directory.

**Severity:** Information.

**System action:** Processing continues.

**Module:** EKYS046X

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**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

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**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

EKYS053E 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

EKYS054E 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 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

EKYS055E 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

EKYS056E 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

EKYS057I 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:  EKYS050X

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**EKYS511I**  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:  Information.

System action:  Processing continues.

Module:  EKYS050X

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**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

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**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

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**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

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**EKYS533I**  RESOURCE MISMATCH; START DBNAME=dbname END DBNAME=dbname 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=dbd2db END DB2DB=dbd2db 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


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): rc 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: 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): rc 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: 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): rc

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
IFI CONNECTION FAILURE:
INSTRUMENTATION FACILITY ERROR
IFI CALL PARAMETER 1, FUNCTION:
  func RETURN CODE (R15): rc
  REASON CODE (R0): 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

IFI CONNECTION FAILURE:
INSTRUMENTATION FACILITY ERROR
IFI CALL PARAMETER 1, FUNCTION:
  func RETURN CODE (R15): rc
  REASON CODE (R0): 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

IFI CONNECTION FAILURE:
INSTRUMENTATION FACILITY ERROR
IFI CALL PARAMETER 1, FUNCTION:
  func RETURN CODE (R15): rc
  REASON CODE (R0): rsn
SEE NEXT MESSAGE(S) (EKYS597E)
FOR MORE DETAILED INFORMATION
IFI CALL PARAMETER 1: FUNCTION:
  func RETURN CODE (R15): rc
  REASON CODE (R0): 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

NONZERO SQL CODE RETURNED WHEN INSERTING A ROW FOR TABLE
  tablename 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

NONZERO SQL CODE RETURNED WHEN OPENING A CURSOR FOR
  TABLE tablename 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

NONZERO SQL CODE RETURNED WHEN FETCHING A ROW FOR TABLE
  tablename 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: 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):
rc/rc 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: EKYS079X

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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

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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

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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

EKYS802E  UNEXPECTED DPROP NAME/TOKEN
IN TABLE=tab READ :
DPNAME=dpname DPRTOKEN=dprto
EXPECTED : DPNAME=dpname 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 :
DPNAME=dpname DPRTOKEN=dprto
EXPECTED : DPNAME=dpname 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

EKYS801E  UNEXPECTED DPROP NAME/TOKEN
IN TABLE=tab READ :
DPNAME=dpname DPRTOKEN=dprto
EXPECTED : DPNAME=dpname 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
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

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

Explanation: The 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. Message EKYS822A follows this message.

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

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.

Module: EKYS082X

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 

Severity: Action

System action: Processing continues.

User response: See message EKYS822A for the appropriate action.

Module: EKYS082X

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. Message EKYS821A follows this message.

Severity: Action

System action: Processing continues.

User response: See message EKYS822A for the appropriate action.

Module: EKYS082X

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. Message EKYS821A follows this message.

Severity: Action

System action: Processing continues.

User response: See message EKYS822A for the appropriate action.

Module: EKYS082X
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

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**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

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**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=, SEG=, 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

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**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

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**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

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**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

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**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 by another SCU executing at the same time or by an authorized DB2 user.

**Severity**: Information.

**System action**: Processing continues.

**Module**: EKYS083X

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**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

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**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 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

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**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
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 4.
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: EKYS085X

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Module: EKYS086X

EKYS862I ACCESS STATISTICS (phase) FOR DPRMASTER TABLE: OPEN=nbr FETCH=nbr CLOSE=nbr SELECT=nbr UPDATE=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): r15

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): r15

Explanation: The SCU issued 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

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: lidc

**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: lidc

**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

**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
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: EKYS095X

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
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
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): rdc REASON CODE (R0): rsns

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): rdc REASON CODE (R0): rsns

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

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: Refer to the SQL code in DB2 Messages and Codes for the appropriate action.
Module: EKYS098X

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

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**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): 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: SCU processing terminates.

User response: See DB2 Messages and Codes for the appropriate action.

Module: EKYS099X

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**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): 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: 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:   None.


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

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**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

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**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

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**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 prior to TSMID control statement. A message is issued for each error detected.

**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 errors before resubmitting the job.

**Module:** EKYT211X

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**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

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**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

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**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

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**EKYT215I** DATABASE QUIESCE TIMESTAMP *tmst* DELETED FOR DATABASE *dbname*

**Explanation:** The quiesce timestamp *tmst* has been successfully deleted for the database *dbname*

**Severity:** Information.
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: EKYT215X

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: EKYT211X

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

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EKYT232E UNABLE TO ASSIGN DATABASE START TIMESTAMP TO DATABASE, dbname 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: 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 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

EKYT235E UNABLE TO ASSIGN DATABASE START TIMESTAMP tsmp TO DATABASE dbname TOTAL NUMBER OF ERRORS FOUND WAS nbr

Explanation: One or more errors have been detected during the processing of an ASSIGNTSM 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, EKYT242X

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 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: Use the messages issued to correct the source of any errors before resubmitting the job.

Module: EKYT240X, EKYT242X
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 tsmp

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 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: EKYT250X

**EKYT260W**  NO 0305 GROUP STOP RECORD FOUND FOR GROUP grp WITH A STOP TIMESTAMP EQUAL TO tsmp

Explanation: No deletion occurred since no 0305 Group Stop record was found in the SCF for the group grp with a timestamp of tsmp.

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.

Module: EKYT256X

**EKYT261E**  UNABLE TO DELETE GROUP STOP TIMESTAMP tsmp 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 tsmp 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 message 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 dbname
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=dbname 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: None.
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

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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

EKYV004E  ROLLBACK HAS BEEN PERFORMED AFTER A DEADLOCK IN THE INITIALIZATION PHASE

Explanation: A deadlock occurred in the initialization phase of the MVGU (EKYMVU00). 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 (EKYMVU00). 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 //MVGUI DD statement, specify at least one valid MVGU statement in the //MVGUI 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 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

---

EKYV037E  ERROR WHILE ISSUING A LOCK ON THE MVG INPUT TABLES

Explanation: While issuing a LOCK SHARE in the MVG input 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, reestablish a correct DB2 environment, and resubmit the job.

Module: EKYV030X

---

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 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

---

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: 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.

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 DPROP 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.

Module: EKYV030X
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: EKYV010X

---

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 (PROCSED 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
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 (PROCSED 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 //MVGPRT 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 //MVGPRT.

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 //MVGUI 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 //MVGUI 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 //MVGUI 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, EKYMVU00 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
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

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

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).

Module: EKYV110X

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

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
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: 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

**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

**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

**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 kind of segment you want to specify, correct the content of the format and rerun the job for this PR.

**Module:** EKYV110X
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 //MVGUI 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 qualified and another time unqualified. 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 //MVGUI 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.

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.

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:

Module: EKYV110X
• 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

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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

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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

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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

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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

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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

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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  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: Save the dump.

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 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: 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 DPROP software to store VLF objects in a VLF class reserved for IMS DPROP 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 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.

Problem determination: Save the dump.

Module: EKYXA00X

EKYXA03E  UNEXPECTED DPROP 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 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 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 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: EKYXA00X

EKYXA04E  UNEXPECTED VLF OBJECT SIZE FOR GMTS RECORD VLF OBJECT
            SIZE=vlfobjs 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 EKYXA00X read the GMTS record from VLF. During validation, EKYXA00X found that the VLF object had an unexpected length.

vlfobjs 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.

Problem determination: Save the dump.

Module: EKYXA00X
DPROP. If not, call IBM Software Support for assistance.

**Problem determination:** Save the dump.

**Module:** EKYXA00X

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**EKYXA21E  INVALID CALL FUNCTION FOR EKYXA20X**

**Explanation:** This is an internal IMS DPROP error. Module EKYXA20X was called by other IMS DPROP modules using an invalid call function.

**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

---

**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 //EKYGMTS**

**Explanation:** EKYXA20X could not open the //EKYGMTS 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=//EKYGMTS**

**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  DSNAME OF //EKYGMTS DOES NOT MATCH DPROPGEN SPECIFICATIONS SUPPLIED DPNAME=dprname EXPECTED DSNAME=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 //EKYGMTS DD statement did not match the data set name specified during DPROPGEN 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 DPROPGEN, 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 //EKYGMTS DD statement so that it specifies the data set name specified during DPROPGEN.
Problem determination:  Save the dump. Save the JCL listings.
Module:  EKYXA20X

**EKYXA27E  DPROP-SYSTEM NAME=dpn 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 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.

dpn 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:  EKYXA20X

**EKYXA28E  //EKYGMTS DD STATEMENT MISSING**

Explanation:  EKYXA20X 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 DPROP issues an abend.
User response:  Provide the required //EKYGMTS DD statement.
Problem determination:  Save the dump. Save the JCL listings.
Module:  EKYXA20X

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

**EKYXA29E  I-O ERROR ENCOUNTERED; REFER TO SYNAD ERROR MESSAGE**

Explanation:  EKYXA20X encountered an I/O error for the //EKYGMTS 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 DPROP issues an abend.

**EKYXA30E  ATTEMPT TO READ FROM EMPTY MEMBER=ptddprn IN DATASET= ddn**

Explanation:  EKYXA20X attempted to read a record from the //EKYGMTS data set, but the member specified by ptddprn was empty. An EODAD routine was entered.

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

**EKYXA31E  caller FUNCTION INVOKED THE called FUNCTION BUT THE GMTS MEMBER WAS NOT CREATED/UPDATED**

Explanation:  IMS DPROP cannot determine if the GMTS should be update or created. 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:  EKYXA20X

**EKYXA32W  CREATE FUNCTION INVOKED BUT MEMBER=ptddprn ALREADY 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=ptddpm DOES NOT EXIST; ATTEMPT TO CREATE MEMBER**

**Explanation:** EKYXA20X was invoked to update the GMTS record, but found the member as specified by `ptddpm` 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=dpname DPRTOKEN= dptoto EXPECTED: DPRNAME=dpname DPRTOKEN= dptoto**

**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 `dppto2` are the expected values for DPRNAME and DPRTOKEN. `dpr1` and `dppto1` 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.

**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=ptddpm 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=ptddpm 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 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

EKYXA46E  ATTEMPT TO READ FROM EMPTY MEMBER=ptddpm IN DATASET=ddn

Explanation: EKYXA40X attempted to read the GMTS record from the member, specified by ptddpm, but the member is empty. An EODAD routine is entered.

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

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 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

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 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

EKYXA49E  DSNAME OF //EKYGMTS DOES NOT MATCH DPROPGEN SPECIFICATIONS DPROP 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 DPROPGEN 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 DPROPGEN, 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 //EKYGMTS DD statement so that it specifies the data set name specified during DPROPGEN.

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 DPROP 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 //EKYGMTS 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 EKYGMTS 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 //EKYGMTS

Explanation:  The IMS DPROP dynamic allocation interface module EKYXA51X received a non-zero return code when attempting to allocate the GMTS DD name.

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

EKYXA54E  GMTS DSNAME ON //EKYGMTS DD DOES NOT MATCH DPROPGEN SPECIFICATIONS DPROP NAME GENED = dpname EXPECTED GMTS DSN = gmtsdn

Explanation:  The GMTS data set name specified on the //EKYGMTS DD statement did not match the one specified on the DPROPGEN for the IMS DPROP system used in the current job step.

dpname is the name of the IMS DPROP system used in the current job step. gmtsdn 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 DPROPGEN. 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:  Determine whether software other than IMS DPROP software erroneously

Module:  EKYXA51X

EKYXA55E  DYNAMIC ALLOCATION FAILED FOR DDNAME //EKYGMTS

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=objc

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. objc 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 DPROP. If not, call IBM Software Support for assistance.

**Problem determination:**  Save the dump.

**Module:**  EKYXA60X

---

**EKYXA62E**  UNEXPECTED DPRNAME/TOKEN IN GMTS RECORD READ:

- DPRNAME=dprname1
- DPRTOKEN=dptoken1

**Expected:**

- DPRNAME=dprname2
- DPRTOKEN=dptoken2

**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 dptoken2 are the expected DPRNAME and DPRTOKEN. dprname1 and dptoken1 are the actual DPRNAME and DPRTOKEN located in the GMTS record read 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 DPROP. If not, call IBM Software Support for assistance.

**Problem determination:**  Save the dump.

**Module:**  EKYXA60X

---

**EKYXA64E**  UNEXPECTED VLF OBJECT SIZE FOR GMTS RECORD VLF OBJECT

- SIZE=vlfobj
- EXPECTED SIZE= size

**Explanation:**  Module EKYXA60X read the GMTS record from VLF. During validation, EKYXA60X found that the VLF object had an unexpected length.

vlfobj and size are the actual size of the VLF object and the expected size.

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 DPROP. If not, call IBM Software Support for assistance.

**Problem determination:**  Save the dump.

**Module:**  EKYXA60X

---

**EKYXA65E**  INTERNAL ERROR: INVALID LENGTH IN SVRVTLSL

**Explanation:**  Module EKYXA60X was called by other IMS DPROP modules to read the GMTS record. During validation, EKYXA60X found that the SVRVTLSL field contained an invalid length. This is an internal IMS DPROP error.

**Severity:**  Error.

**System action:**  IMS DPROP issues an abend.

**System programmer response:**  Call IBM Software Support for assistance.

**Problem determination:**  Save the dump.

**Module:**  EKYXA60X

---

**EKYXA71E**  OPEN FAILED FOR GMTS DATA SET

**Explanation:**  EKYXA70X could not open the GMTS 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:**  EKYYA70X

---

**EKYYA99E**  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 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:**  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.

---

**EKYYB00E**  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:**  Determine whether the cause of the VLF-related problem and resolve the problem. If necessary, 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:**  EKYYB00X

---

**EKYYB01E**  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 EKYYB00X read the status file record from VLF. During validation, EKYYB00X 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:**  EKYYB00X

---

**EKYYB02E**  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 DPROP software to store VLF objects in a VLF class reserved for IMS DPROP can cause this error. Module EKYYB00X read the status file record from VLF. During validation, EKYYB00X 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:**  EKYYB00X

---

**EKYYB04E**  UNEXPECTED DPROP LEVEL IN VLF COPY OF STATUS FILE RECORD,  
LEVEL=DPRLV

**Explanation:**  Module EKYYB00X read the status file record from VLF. During validation, EKYYB400X 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 EKYYB400X. The software level of EKYYB400X is in the CSECT SAVEID of module EKYYB00X 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: EKYXB00X

**EKYXB00X**

**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 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 DPROP system.

**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:** EKYXB00X

**EKYXB00X**

**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 EKYXB00X read the status file record from VLF. During validation, EKYXB00X found that the record did not look like the status file record.

**Severity:** Error.

**System action:** IMS DPROP 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:** EKYXB00X

**EKYXB00X**

**Explanation:** Not using the CUT to create or update the IMS DPROP 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.

**Severity:** Error.

**System action:** IMS DPROP 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

**EKYXB10X**

**Explanation:** Not using the CUT to create or update the IMS DPROP 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.

**Severity:** Error.

**System action:** IMS DPROP 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

**EKYXB10X**

**Explanation:** Not using the CUT to create or update the IMS DPROP 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.

**Severity:** Error.

**System action:** IMS DPROP 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

**EKYXB00X**

**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 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 DPROP system.

**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:** EKYXB00X

**EKYXB10X**

**Explanation:** Not using the CUT to create or update the IMS DPROP 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.

**Severity:** Error.

**System action:** IMS DPROP 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

**EKYXB00X**

**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 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 DPROP system.

**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:** EKYXB00X

**EKYXB10X**

**Explanation:** Not using the CUT to create or update the IMS DPROP 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.

**Severity:** Error.

**System action:** IMS DPROP 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

**EKYXB00X**

**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 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 DPROP system.

**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:** EKYXB00X

**EKYXB10X**

**Explanation:** Not using the CUT to create or update the IMS DPROP 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.

**Severity:** Error.

**System action:** IMS DPROP 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

**EKYXB10X**

**Explanation:** Not using the CUT to create or update the IMS DPROP 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.

**Severity:** Error.

**System action:** IMS DPROP 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

**EKYXB10X**

**Explanation:** Not using the CUT to create or update the IMS DPROP 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.

**Severity:** Error.

**System action:** IMS DPROP 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
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 DPROP module that created the record.

drv is the software level of the IMS DPROP 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 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. Save the JCL listings.

Module: EKYXB10X

---

EKYXB15E  THE //EKYMQST 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 //EKYMQST DD statement was set to DUMMY.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Determine whether //EKYMQST was set to DUMMY or whether the status file was empty.

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 DPROP issues an abend.

System programmer response: Check the messages issued by MVS and/or DFP to determine the nature of the failure.

Module: EKYXB10X

---

EKYXB17E  RDJFCB FOR //EKYMQST FAILED

Explanation: An MVS RDJFCB macro issued by IMS DPROP module EKYXB10X failed. Refer to message EKYZ520E, which describes the reason for the failure.

Severity: Error.

System action: IMS DPROP issues an abend.

Problem determination: Save the dump. Save the JCL listings.

Module: EKYXB10X

---

EKYXB18E  //EKYMQST DD STATEMENT DOES NOT MATCH DPROPGEN SPECIFICATIONS, DPROP NAME=NAME, 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 DPROPGEN for the IMS DPROP system used in the current job step.

dr 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: 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=DPRTOKEN, EXPECTED:
  DPRNAME=DPRNAME,
  DPRTOKEN=DPRTOKEN

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 dperto2 are the expected values for DPRNAME and DPRTOKEN. dpr1 and dperto1 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 DSNAMESPACE 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.
System 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 //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 CUT utility.

Problem determination: Call IBM Software Support for assistance.

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  DPROP SYSTEM DPRNAME HAS NOT BEEN GENERATED AS AN MQ-CAUTION SYSTEM

Explanation: Not using the CUT to create or update the IMS DPROP Status File record can cause this error. Module EKYXB20X read the status file record. During validation, EKYXB20X found that this status file does was not generated as an DPROP 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 DPROP 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 DPROP software to store VLF objects in a VLF class reserved for IMS DPROP 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 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: EKYXB50X

--

EKYXB52E  UNEXPECTED DPRNAME/TOKEN IN VLF COPY OF STATUS FILE RECORD

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 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 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: EKYXB50X

--

EKYXB54E  UNEXPECTED DPROP LEVEL IN VLF COPY OF STATUS FILE RECORD

Explanation: Combining IMS DPROP modules of different software levels for the same IMS DPROP 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 DPROP software level of the IMS DPROP module that created the status file record.

dprlv is the IMS DPROP software level of the IMS DPROP 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 DPROP issues an abend.

System programmer response: If the installation does not erroneously combine use of modules of incompatible IMS DPROP software levels, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYXB50X

--

EKYXB55E  UNEXPECTED VLF OBJECT SIZE FOR STATUS FILE RECORD

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 EKYXB50X read the status file record from VLF. During validation, EKYXB50X found that the VLF object had an unexpected length.
The vlfobj and size are the actual size of the VLF object and the expected size.

**Severity:** Error.

**System action:** IMS DPROP issues an abend.

**System programmer response:** IMS DPROP issues an abend.

**Problem determination:** Save the dump.

**Module:** EKYXB50X

---

**EKYXB57E** INTERNAL ERROR: INVALID LENGTH IN SVRVTLSL

**Explanation:** This is an internal IMS DPROP error. Module EKYXB50X was called by other IMS DPROP modules to read the status file record. During validation, EKYXB50X found that the SVRVTLSL field contained an invalid length.

**Severity:** Error.

**System action:** IMS DPROP 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 DPROP software to store VLF objects in a VLF class reserved for IMS DPROP 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 DPROP system.

**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:** EKYXB50X

---

**EKYXC00E** ACCESS TO EKYMQST HAS NOT BEEN INITIALIZED

**Explanation:** This is an internal IMS DPROP error. An IMS DPROP module called the internal IMS DPROP CIA (control information access) component, to read the EKYMQST file, even though the CIA was not initialized.

**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:** EKYXC00X

---

**EKYXC01E** OBJECT RETRIEVED FROM VLF IS NOT THE /EKYTRANS OBJECT 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 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 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:** EKYXC00X

---

**EKYXC02E** UNEXPECTED DPRNAME/TOKEN IN VLF COPY OF /EKYTRANS OBJECT READ: DPRNAME=DPRNAME, DPRTOKEN=DPRTO

**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 EKYXC00X read the EKYTRANS object from VLF. During validation, EKYXC00X found unexpected values in the DPRNAME or DPRTOKEN fields located in the EKYTRANS object.

**Module:** EKYXC00X

---

**EKYXC03E** DPRNAME/TOKEN IN VLF COPY OF /EKYTRANS OBJECT READ: DPRNAME=DPRNAME, DPRTOKEN=DPRTO

**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 EKYXC00X read the EKYTRANS object from VLF. During validation, EKYXC00X found unexpected values in the DPRNAME or DPRTOKEN fields located in the EKYTRANS object.

**Module:** EKYXC00X

---
and DPRTOKEN located in the EKYTRANS object 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:** EKYXC00X

---

**Explanation:** Combining IMS DPROP modules of different software levels for the same IMS DPROP 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 DPROP software level of the IMS DPROP module that created EKYTRANS object.

**Severity:** Error.

**System action:** IMS DPROP issues an abend.

**System programmer response:** If the installation does not erroneously combine use of modules of incompatible IMS DPROP software levels, call IBM Software Support for assistance.

**Problem determination:** Save the dump.

**Module:** EKYXC00X

---

**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 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.

**Severity:** Error.

**System action:** IMS DPROP issues an abend.

**System programmer response:** If the installation does not erroneously combine use of modules of incompatible IMS DPROP software levels, call IBM Software Support for assistance.

**Problem determination:** Save the dump.

**Module:** EKYXC00X
**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:** EKYXC20X  

**EKYXC16E**  ERRORS WHILE READING //EKYTRANS INPUT RECORDS  

**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 DPROP 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 DPROP 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 DPROP 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 DPROP 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 DPROP 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 DPROP 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 DPROP as valid transmission control file statement. Because this should have been detected already by other modules, it is probably an internal IMS DPROP error.

**Severity:** Error.

**System action:** IMS DPROP 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 DPROP. Because this should have been detected already by other modules, it is probably an internal IMS DPROP error.

**Severity:** Error.

**System action:** IMS DPROP 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 DPROP error.
Severity: Error.
System action: IMS DPROP 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 DPROP 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 DPROP 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 DPROP 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 DPROP issues an abend.
Module: EKYXC20X

**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 DPROP 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 DPROP error. Module EKYXD10X was called by other IMS DPROP modules to store the EKYTRANS object into VLF. During validation, EKYXD10X found that the area provided by the calling IMS DPROP modules did not contain a valid 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

**EKYXD11E**  UNEXPECTED DPRNAME/TOKEN IN EKYTRANS OBJECT, IN OBJECT:

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 unexpected values in the DPRNAME or DPRTOKEN fields 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
**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=VLOBJE**

**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.

**System programmer response:** 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 DPROP 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 VLFW 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 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: EKYXD91X

EKYX100E INVALID CALL FUNCTION FOR EKYX100X.

Explanation: This is an internal IMS DPROP error. Module EKYX100X 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: 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 DPROP 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 DPROP status file.
• If the //EKYSTATF data set was empty, determine why it was empty. If appropriate, execute the Status Change utility specifying INIT DPROP 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 DPROP 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 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: 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 DPROP 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 DPROP system.

rec is the start of the status file record; this includes the field containing the STATUS.

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: EKYX100X
EKYX104E  ERROR WHILE ATTEMPTING TO READ THE STATUS FILE

Explanation: Module EKYX100X 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: EKYX100X

EKYX105E  DPROP NAME IN STATUS FILE RECORD NOT FOUND IN EKYG000X LOAD MODULE, DPROP NAME=dpr

Explanation: During validation of the status file record, module EKYX100X 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 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: EKYX100X

EKYX106E  DSNAME OF //EKYSTATF DOES NOT MATCH DPROPGEN SPECIFICATIONS

DSNAME=dsn

Explanation: During validation of the status file record, module EKYX100X 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 that:
- The correct status file is allocated using the //EKYSTATF DD statement.
- The DB2 plan provides access to the correct DPROPMASTER row.

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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 DPROPGEN to perform asynchronous 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

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 DPROPGEN 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 DPROP 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 DPROP 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 DPROP //EKYMQST File record can cause this error. During validation of the status file record, module EKYX100X found the content of the record was invalid. 

**Severity:** Error.

**System action:** IMS DPROP 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 DPROP //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 DPROP system.

**Severity:** Error.

**System action:** IMS DPROP 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 DPROP issues an abend.

**User response:** Refer to messages, such as EKYZ501E, written before this message for more information about the problem.

**Module:** EKYX100X

-----

**EKYX125E**  DPROP NAME IN //EKYMQST FILE RECORD NOT FOUND IN EKYG000X LOAD MODULE, DPROP NAME=DSNAME

**Explanation:** During validation of the status file record, module EKYX100X 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.

**Severity:** Error.

**System action:** IMS DPROP issues an abend.

**System programmer response:** Determine 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 DPROP system.
• Status file was created or updated exclusively using the Capture System utility.

**Problem determination:** Save the dump.

**Module:** EKYX100X

-----

**EKYX126E**  DSN NAME OR MEMBER-NAME OF //EKYMQST DOES NOT MATCH DPROPGEN SPECIFICATION, DPROP NAME=DSNAME

**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 DPROPGEN for the IMS DPROP system used for the current program.

**Severity:** Error.

**System action:** IMS DPROP issues an abend.

**System programmer response:** Determine whether the:  
• //EKYMQST 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 Capture System utility.

**Problem determination:** Save the dump.

**Module:** EKYX100X
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. dprrlv 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

---

**EKYX130E** INTERNAL ERROR: YCVT CONTROL BLOCK CANNOT BE FOUND ANY MORE

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

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
EKYX132E  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:  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:  EKYX130X

EKYX137E  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

EKYX138E  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

EKYX210E  DPROP NAME=dpr NOT FOUND IN EKYG000X LOAD MODULE

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

EKYX211E  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

EKYX212E  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
EKYX260E UNEXPECTED VLF-RELATED ERROR AFTER COFPURGE VLF CLASS=class, VLF RETURN CODE=rc, VLF REASON CODE=rsn

Explanation: Module EKYX260X 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: EKYX260X

EKYX287E INCOMPATIBLE DPROP LEVEL IN HUP PRCB TABLEQUAL=qualifier TABLENAME=tablename LEVEL=dlvl

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 HUP PRCB of the specified qualifier and table type into VLF. During validation, EKYX290X 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 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

EKYX286E 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 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 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: EKYX290X

EKYX288E 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 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 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: EKYX290X
EKYX289E  PRCB SIZE IN HUP PRCB NOT EQUAL TO SIZE OF VLF OBJECT
TABLEQUAL=qualifier
TABLENAME=tablename
HRHPRCSZ=prcbs SIZE OF VLF OBJECT=vfobjs

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

EKYX290E  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

EKYX290E  UNEXPECTED DPRNAME/TOKEN IN RUP PRCB IN PRCB : DPRNAME=dpr DPRTOKEN=dpto EXPECTED:

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 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

EKYX292E  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

EKYX292E  UNEXPECTED DBDNAME OR SEGMENT NAME IN RUP PRCB IN

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

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EKYX294E  RUP PRCB SIZE IN RRHPRCBS NOT EQUAL TO SIZE OF VLФ OBJECT
DBDNAME=dbd  SEGNAME=segment  
RRHPRCBS=prcbs  SIZE OF VLФ OBJECT=vlfobjs

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 VLФ. 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 VLФ 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

EKYX295E  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 VLФ. 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

EKYX296E  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 VLФ. 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

EKYX297E  OBJECT TO BE STORED INTO VLФ 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 VLФ. 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

EKYX298E  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 VLФ. 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:  Call IBM Software Support for assistance.

Module:  EKYX290X

EKYX299E  UNEXPECTED OBJECT TYPE TO BE STORED IN VLФ

Explanation:  This is an internal IMS DPROP error. Module EKYX290X was called by other IMS DPROP modules to store an object into VLФ. During validation, EKYX290X found that the calling IMS DPROP modules did not provider a known or valid VLФ 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
EKYX300E  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

EKYX301E  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

EKYX302E  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

EKYX305E  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

EKYX351E  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

EKYX352E  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

EKYX353E  UNEXPECTED DPRNAME/TOKEN IN VLF COPY OF VOLO OBJECT

NAME=objn  READ : DPRNAME=dpr1  DPRTOKEN=dpto1  EXPECTED : DPRNAME=dpr2  DPRTOKEN=dpto2

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 dpto1...
are the DPRNAME and DPRTOKEN located in the VOLO object. dpr2 and dprto2 are the expected DPRNAME and DPRTOKEN.

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

EKYX354E UNEXPECTED DPROP LEVEL IN VLF-COPY OF VOLO OBJECT 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 an unexpected value. This value was in the field of the VOLO object containing the IMS DPROP software level of the IMS DPROP module that created the VOLO object. This type of error can happen if the installation combines modules of different, incompatible IMS DPROP software levels for the same IMS DPROP 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 DPROP issues an abend.
System programmer response: If the installation did not erroneously use modules of incompatible IMS DPROP 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 DPROP modules to read an IMS DPROP 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 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

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 DPROP modules to read an IMS DPROP 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 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

EKYX357E INVALID NAME OF VOLO OBJECT

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 name of the VOLO object provided by the calling modules was invalid.

Severity: Error.
System action: IMS DPROP issues an abend.
System programmer response: Call IBM Software Support for assistance.

Problem determination: Call IBM Software Support for assistance.
Module: EKYX350X
EKYX362E  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

EKYX363E  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

EKYX364E  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

EKYX365E  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

EKYX400E  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

EKYX401E  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
EKYX402E  UNEXPECTED DPRNAME/TOKEN IN VLF COPY OF STATUS FILE RECORD
READ : DPRNAME=dpr1
DPRTOKEN=dpro1  EXPECTED :
DPRNAME=dpr2 DPRTOKEN=dpro2

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 unexpected values in the DPRNAME or DPRTOKEN fields in the status file record.

dpr2 and dpro2 are the expected DPRNAME and DPRTOKEN. dpr1 and dpro1 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: EKYX400X

EKYX404E  UNEXPECTED DPROP LEVEL IN VLF COPY OF STATUS FILE RECORD
LEVEL=dprlv

Explanation: Module EKYX400X read the status file record from VLF. During validation, EKYX400X 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 EKYX400X. The software level of EKYX400X is in the CSECT SAVEID of module EKYX400X in the dump.

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

EKYX405E  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 EKYX400X read the status file record from VLF. During validation, EKYX400X 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: EKYX400X

EKYX406E  UNEXPECTED VLF OBJECT SIZE FOR STATUS FILE RECORD VLF OBJECT SIZE=vlfobjs 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 EKYX400X read the status file record from VLF. During validation, EKYX400X found that the VLF object had an unexpected length.

vlfobjs 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: EKYX400X

EKYX411E  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 EKYX410X read the status file record. During validation, EKYX410X 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 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: EKYX410X

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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 DPROP 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 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: EKYX410X

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EKYX414E UNEXPECTED DPROP LEVEL IN //EKYSTATF RECORD LEVEL=dprlv

Explanation: Combining IMS DPROP modules of different software levels for the same IMS DPROP 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 DPROP module that created the record.

dprlv is the software level of the IMS DPROP 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 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: EKYX410X

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EKYX417E RDJFCB FOR //EKYSTATF FAILED

Explanation: An MVS RDJFCB macro issued by IMS DPROP module EKYX410X failed. Refer to message EKYZ520E, which describes the reason for the failure.

Severity: Error.
System action: IMS DPROP 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  DSNAME OF //EKYSTATF DOES NOT MATCH DPROPGEN SPECIFICATIONS
DPROP 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 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: Provide the required //EKYSTATF DD statement.

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 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: EKYX410X

EKYX420E  INVALID CALL FUNCTION FOR EKYX420X.

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: EKYX420X

EKYX421E  INVALID STATUS FILE RECORD START OF RECORD=rec

Explanation: This is an internal IMS DPROP error. Module EKYX420X was called by other IMS DPROP 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 DPROP 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 DPROP 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 did not contain the expected DPRNAME and/or DPRTOKEN.

dpr2 and dppto2 are the expected values for DPRNAME and DPRTOKEN. dpr1 and dppto1 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: Call IBM Software Support for assistance.

Module: EKYX420X
**EKYX423E** UNEXPECTED DPROP LEVEL IN STATUS FILE RECORD \( \text{LEVEL=dpri} \)

**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

**EKYX424E** 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, EKYX520E, are issued.

**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

**EKYX425E** DSNAME OF //EKYSTATF DOES NOT MATCH DPROPGEN SPECIFICATIONS \( \text{DPROP NAME=dpr \ text{EXPECTED DSN=dsn}} \)

**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.

\( \text{dpr} \) is the name of the IMS DPROP system used in the current job step. \( \text{dsn} \) 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.

**Problem determination:** Save the dump. Save the JCL listings.

**Module:** EKYX420X

**EKYX426E** DPROP NAME IN STATUS FILE RECORD NOT FOUND IN EKYG000X LOAD MODULE, DPROP NAME=\( \text{dpr} \)

**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.

\( \text{dpr} \) 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.

**Programmer response:** See the information provided by the other messages that describe the reason for the failure.

**Problem determination:** Save the dump.

**Module:** EKYX420X

**EKYX427E** ENTRY POINT TO READ DPRMASTER TABLE NOT FOUND IN EKYG000X LOAD MODULE, DPROP NAME=\( \text{dpr} \)

**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 \( \text{dpr} \). 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 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: EKYX420X

EKYX428E ENTRY POINT TO READ DPRCBT 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 DPRCBT rows 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 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: 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 DPROP 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 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: EKYX420X

EKYX431E INTERNAL ERROR: INVALID STATUS IN STATUS FILE RECORD START OF RECORD=rec

Explanation: This is an internal IMS DPROP error. Module EKYX420X was called by other IMS DPROP 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 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: EKYX420X

EKYX451E 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 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 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: EKYX420X

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 DPROP software to store VLF objects in a VLF class reserved for IMS DPROP 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 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: EKYX450X

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EKYX454E UNEXPECTED DPROP LEVEL IN VLF COPY OF STATUS FILE RECORD LEVEL=dprlv

Explanation: Combining IMS DPROP modules of different software levels for the same IMS DPROP 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 DPROP software level of the IMS DPROP module that created the status file record.

dprlv is the IMS DPROP software level of the IMS DPROP 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 DPROP issues an abend.

System programmer response: If the installation does not erroneously combine use of modules of incompatible IMS DPROP software levels, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX450X

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EKYX456E UNEXPECTED VLF OBJECT SIZE FOR STATUS FILE RECORD VLF OBJECT SIZE=vlobjects 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 EKYX450X read the status file record from VLF. During validation, EKYX450X found that the VLF object had an unexpected length.

vlobjects and size are the actual size of the VLF object and the expected size.

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: EKYX450X

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EKYX457E INTERNAL ERROR: INVALID LENGTH IN SVRVTLSL

Explanation: This is an internal IMS DPROP error. Module EKYX450X was called by other IMS DPROP modules to read the status file record. During validation, EKYX450X found that the SVRVTLSL field contained an invalid length.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX450X

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EKYX458E INVALID STATUS 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 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 DPROP system.

obj is the start 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: EKYX450X

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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: EKYX500X

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EKYX500E ACCESS TO IMS DPROP DIRECTORY HAS NOT BEEN INITIALIZED
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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 EKYX500X read the DPRMASTER row from VLF. During validation, EKYX500X 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: EKYX500X

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EKYX501E OBJECT RETRIEVED FROM VLF IS NOT THE DPRMASTER ROW START OF OBJECT=obj
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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 EKYX500X read the DPRMASTER row from VLF. During validation, EKYX500X 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: EKYX500X

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EKYX502E UNEXPECTED DPRNAME/TOKEN IN DPRMASTER ROW READ: DPRNAME=dpr1 DPRTOKEN=dporto1 EXPECTED: DPRNAME=dpr2 DPRTOKEN=dporto2
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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 EKYX500X read the unique row of the DPRMASTER table. During validation, EKYX500X found an unexpected value in the DPRNAME or DPRTOKEN columns.

dpr2 and dporto2 are the expected values of DPRNAME and DPRTOKEN. dpr1 and dporto1 are the actual values of DPRNAME and DPRTOKEN that were read.

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: EKYX500X

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EKYX503E UNEXPECTED DPRNAME/TOKEN IN VLF COPY OF DPRMASTER ROW READ: DPRNAME=dpr1 DPRTOKEN=dporto1 EXPECTED: DPRNAME=dpr2 DPRTOKEN=dporto2
________________________

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 EKYX500X read the DPRMASTER row from VLF. During validation, EKYX500X found unexpected values in the DPRNAME or DPRTOKEN fields in the DPRMASTER row.

dpr2 and dporto2 are the expected values of DPRNAME and DPRTOKEN. dpr1 and dporto1 are the actual values of DPRNAME and DPRTOKEN that were read.

Severity: Error.
**Module:** EKYX520X

**EKYX521E** INTERNAL ERROR: AREA OF CALLER IS NOT THE DPRMASTER ROW

**Explanation:** This is an internal IMS DPROP error. Module EKYX520X was called by other IMS DPROP 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 DPROP 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=dp1 | DPRTOKEN=dp1t1 |
| DPRNAME=dp2 | DPRTOKEN=dp2t2 |

**Explanation:** This is an internal IMS DPROP error. Module EKYX520X was called by other IMS DPROP 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.

**Severity:** Error.

**System action:** IMS DPROP 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 DPROP 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 DPROP function being performed.

**System programmer response:** Analyze the information provided in message EKYZ360E.

**Module:** EKYX520X

**EKYX540E** INTERNAL ERROR: ACCESS TO DPROP DIRECTORY NOT INITIALIZED

**Explanation:** This is an internal IMS DPROP error. An IMS DPROP module called the EKYX540X module 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:** Save the dump.

**Module:** EKYX520X

**EKYX542E** SQL ERROR DURING SQL UPDATE OF DPRMASTER TABLE

**Explanation:** The IMS DPROP 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 DPROP 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 DPROP 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 DPROP 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 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 will become active after the next IPL.

**Problem determination:** Save the dump.

**Module:** EKYX560X

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**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

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**EKYX563E** INTERNAL ERROR: INVALID ATTEMPT TO CREATE THE YCVT CONTROL BLOCK

**Explanation:** This is an internal IMS DPROP error. An IMS DPROP module tried 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 tried 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

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**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

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**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 DPROP 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 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: EKYX600X

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EKYX602E UNEXPECTED DPRNAME/TOKEN IN VLF COPY OF RUP PRCB DBD=ddb
SEG=segment 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 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 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: EKYX600X

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EKYX604E UNEXPECTED DPROP LEVEL IN VLF COPY OF A RUP PRCB DBD=ddb
SEG=segment LEVEL=dprlv

Explanation: Combining IMS DPROP modules of different software levels for the same IMS DPROP 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 DPROP software level of the module that created the PRCB.

dprlv is the IMS DPROP software level of the IMS DPROP 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 DPROP issues an abend.

System programmer response: If the installation did not erroneously combine use of IMS DPROP modules of incompatible IMS DPROP software levels, call IBM Software Support for assistance.

Problem determination: Save the dump.

Module: EKYX600X
and the object size of the PRCB.

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:  EKYX600X

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**EKYX607E**  INTERNAL ERROR: INVALID LENGTH IN PTDCIARL

Explanation:  This is an internal IMS DPROP error. When called to read a PRCB, module EKYX600X found an invalid value in the PTDCIARL field.

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

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**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 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 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 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:  EKYX600X

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**EKYX611E**  INCONSISTENT TIMESTAMPs IN DPRCBT ROWS DPRPROP NAME=dpr DBD=dbd SEG=segment

Explanation:  Using utilities other than the IMS DPROP utilities to update IMS DPROP 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 DPROP 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 DPROP 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 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 DPRCBT rows of the PRCB for the named DBD name and segment name.

Module:  EKYX600X

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**EKYX612E**  RUP PRCB SIZE IS NOT EQUAL TO THE SUM OF VARCB COLUMN LENGTHS DPRPROP NAME=dpr DBD=dbd SEG=segment

Explanation:  Using utilities other than the IMS DPROP utilities to update IMS DPROP 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 DPROP 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 DPROP 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 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 DPRCBT rows of the PRCB for the named DBD name and segment name.

Module: EKYX600X

EKYX613E INVALID VALUES IN 'TYPE' COLUMNS
DPROP NAME=dpr DBD=dbd
SEG=segment

Explanation: Using utilities other than the IMS DPROP utilities to update IMS DPROP 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 DPROP 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 DPROP 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 DPROP issues an abend.

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 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
DPROP NAME=dpr DBD=dbd SEG=segment

Explanation: Using utilities other than the IMS DPROP utilities to update IMS DPROP 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 DPROP 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 DPROP 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 DPROP issues an abend.

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 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
DPROP NAME=dpr DBD=dbd SEG=segment

Explanation: Using utilities other than the IMS DPROP utilities to update IMS DPROP 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 DPROP 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 DPROP 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 DPROP issues an abend.

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 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 DPROP directory table was unexpected. Not using the IMS DPROP utilities to update the DPROP 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 DPROP internal reason code.

**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 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 DPROP directory table was unexpected. Not using the IMS DPROP utilities to update the DPROP directory table can cause this error.

The message displays a column name and the name of an IMS DPROP 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 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

---

**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 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

---

**EKYX665E** DPRSEG ROW FOR THE ENTITY SEGMENT HAS NOT BEEN FOUND PR=prid

**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 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 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

---

**EKYX666E** RECURSIVE START-SEGMENT LOOP IN DPRSEG ROWS OF PR=prid

**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 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 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

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

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
**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

---

**System programmer response:** Call IBM Software Support for assistance.

**Problem determination:** Save the dump.

**Module:** 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:** 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

---

**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

---

**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

---

**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.

**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

---

**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.

**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
**EKYX705E**  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:** EKYX700X

---

**EKYX706E**  ERRORS ENCOUNTERED DURING  PRCB  PROCESSING FOR  dbd/segment

**Explanation:** Module EKYX700X 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:** EKYX700X

---

**EKYX707I**  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:** EKYX700X

---

**EKYX708I**  nnn RUP  PRCBS SUCCESSFULLY  PROCESSED

**Explanation:** The displayed number of PRCBs were processed successfully during the current invocation of module EKYX700X.

**Severity:** Information.

**System action:** Processing continues.

**Module:** EKYX700X

---

**EKYX709E**  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:** EKYX700X

---

**EKYX720E**  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:** EKYX720X

---

**EKYX721E**  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 DPROP function being performed.

**Programmer response:** Analyze the information provided in message EKYZ360E.

**Module:** EKYX720X

---

**Table:**

<table>
<thead>
<tr>
<th>EKYX722E</th>
<th>SQL ERROR ACCESSING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TABLE</strong>=tablename <strong>OPERATION</strong>=sqlop</td>
<td><strong>DBD</strong>=dbd <strong>SEG</strong>=segment</td>
</tr>
</tbody>
</table>

**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 DPROP function being performed.

**Programmer response:** Analyze the information provided in message EKYZ360E.

**Module:** EKYX720X

---

**Table:**

| EKYX726E | UNEXPECTED LENGTH OF VARCB COLUMN OF DPRCBT TABLE FOR **PRCB**=dbd/segment |

**Explanation:** Using utilities other than the IMS DPROP utilities to update IMS DPROP 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 DPROP 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 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:** Print the DPRCBT rows of the PRCB for the named DBD name and segment name.

**Module:** EKYX720X

---

**Table:**

| EKYX727E | UNEXPECTED VALUE IN TYPE COLUMN OF DPRCBT TABLE FOR **PRCB**=dbd/segment |

**Explanation:** Using utilities other than the IMS DPROP utilities to update IMS DPROP 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/segment** is the DBD name and segment name of the PRCB.

The content of the DPRCBT table can be rebuilt from other IMS DPROP 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 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:** Print the DPRCBT rows of the PRCB for the named DBD name and segment name.

**Module:** EKYX720X

---

**Table:**

| 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 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 EKYX720X read a row from the IMS DPROP 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 DPROP 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 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:**  EKYX720X

**EKYX740E**  SQL ERROR ACCESSING  
 **TABLE=tablename**  **OPERATION=sqlop**  
 **PR=prid**  

**Explanation:**  IMS DPROP found an SQL error while trying to access the table of the IMS DPROP 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 DPROP 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 DPROP utilities to update IMS DPROP directory tables can cause this error.

While accessing the DPRSEG table of the IMS DPROP 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 DPROP function being performed.

**Module:**  EKYX740X

**EKYX747E**  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 DPROP modules/DBRMs accessing one IMS DPROP directory and some IMS DPROP modules/DBRMs accessing another). Or, the IMS DPROP directory tables have been updated incorrectly (for example, using utilities other than IMS DPROP utilities or using the wrong DB2 plans).

Module EKYX740X read a row from the IMS DPROP 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 DPROP 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 DPROP 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 DPROP 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 DPROP 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 DPROP 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 DPROP 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 DPROP.

Severity: Error.
System action: This depends on the type of IMS DPROP 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 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 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 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: EKYX760X

---

EKYX761E PR WITHOUT ROWS IN DPRSEG TABLE, 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 EKYX760X 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: EKYX760X

---

EKYX762E INVALID VALUE IN COLUMN=column OF TABLE=tablename FOR PR=prid DBD=dbd SEG=segment

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 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 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 rows of the IMS DPROP 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 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 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 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 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 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 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 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 rows of the DPRFLD table involved in the error.

**Module:** EKYX760X

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**EKYX765E** UNEXPECTED SEGMENT LEVEL IN PARENT SEGMENT

**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 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 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 rows of the DPRSEG table involved in the error.

**Module:** EKYX760X

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**EKYX766E** INVALID VALUE IN COLUMN=col OF TABLE=tablename

**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 IMS DPROP 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 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: EKYX760X

EKYX767E DPRFLD ROW WITHOUT MATCHING DPRSEG ROW PR=prid DBD=dbd SEG=segment FIELD=field

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 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 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 rows of the DPRFLD table 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 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 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 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 rows of the IMS DPROP 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 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 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

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**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

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**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
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

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. Print also the DPRSEG row of the segment type that contains the field.

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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EKYX778E UNEXPECTED FIELD FORMAT OR COLUMN FORMAT IN DPRFLD TABLE
PR=prid DBD=dbdbname 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

EKYX779E UNEXPECTED FORMAT CONVERSION REQUIREMENT PR=prid DBD=dbdbname 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

EKYX780E RRHFRPR NOT POINTING TO A RPR FOR PRCB=dbdbname/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 incorrect 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

EKYX781E UNEXPECTED NUMBER OF DPRPR ROWS FOR PRCB=dbdbname/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 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. 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
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

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**EKYX789E  INVALID RRHFRPR FIELD IN DPRCB=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 was invalid. The information in the message helps identify the DPROP 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 DPROP table involved in the error.

**Module:**  EKYX780X

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**EKYX800E  INVALID CALL FUNCTION FOR EKYX800X**

**Explanation:**  This is an internal IMS DPROP error. Module EKYX800X 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:**  EKYX800X

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**EKYX801E  INVALID DISCARDP= SPECIFICATION ON 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:**  EKYX800X

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**EKYX802E  INVALID PR LIST PROVIDED TO EKYCIAPR MACRO**

**Explanation:**  The job step executed with an inconsistent DB2 plan, causing some DPROP modules/DBRMs to access one IMS DPROP directory and some to access another. Or, the IMS DPROP directory tables were updated incorrectly, using either utilities other than IMS DPROP utilities or the wrong DB2 plans. Module EKYX800X found an unexpected value in the DPROP or DPROP macro.

**drtab** and **prid** name the IMS DPROP 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 DPROP.

**Programmer response:**  Check whether the DB2 plan is consistent.

**Module:**  EKYX800X

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**EKYX803E  UNEXPECTED DPRNAME/TOKEN IN DPROP TABLE=drtab FOR HUP PRCB=prid READ : DPRNAME=dpr1 DPROP=dpr2 DPRTOKEN=dprto2 EXPECTED : DPRNAME=dpr2 DPRTOKEN=dprto2**

**Explanation:**  The job step executed with an inconsistent DB2 plan, causing some DPROP modules/DBRMs to access one IMS DPROP directory and some to access another. Or, the IMS DPROP directory tables were updated incorrectly, using either utilities other than IMS DPROP utilities or the wrong DB2 plans. Module EKYX800X read a row from the IMS DPROP directory table identified in the message. During validation, EKYX800X read an unexpected value in the DPRNAME or DPROP macro.

**drtab** and **prid** name the IMS DPROP 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 DPROP. **dpr1** and **dprto1** are the actual values of DPRNAME and DPROP 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:**  EKYX800X
**EKYX804E** SQL ERROR ACCESSING  
**TABLE=**dprtab **OPERATION=**sqlop **HUP** 
**PRCB=**prid  
**Explanation:** IMS DPROP found an SQL error while trying to access the IMS DPROP 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 DPROP function being performed.  
**Programmer response:** Analyze the information provided in message EKYZ360E.  
**Module:** EKYX800X

**EKYX805E** 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

**EKYX806E** 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

**EKYX807I** **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

**EKYX808I** **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

**EKYX809E** **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

**EKYX810E** SQL ERROR ACCESSING  
**TABLE=**dprtab **WITH OPERATION=**sqlop 
**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 *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 DPROP function being performed.

**Programmer response:** Analyze the information provided in message EKYZ360E.

**Module:** EKYX810X

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**EKYX811E** SQL ERROR ACCESSING
TABLE=dpqrtab WITH OPERATION=sqlop
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 dpqrtab. More detailed information about the SQL error is provided in message EKYZ360E.

**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:** EKYX810X

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**EKYX812E** SQL ERROR ACCESSING
TABLE=dpqrtab WITH OPERATION=sqlop
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 dpqrtab. More detailed information about the SQL error is provided in message EKYZ360E.

**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:** EKYX810X

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**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 DPROP utilities to update IMS DPROP 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.

**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:** Print the DPRHCBT rows of the HUP PRCB for the named table qualifier and table name.

**Module:** EKYX810X

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**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 DPROP utilities to update IMS DPROP 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.

**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:** EKYX810X

---

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 convenient from an operational point of view, you may want to do this as a last resort.

**Module:** EKYX810X

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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 convenient from an operational point of view, you may want to do this as a last resort.

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other IMS DPROP 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 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: 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 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 EKYX810X read a row from the IMS DPROP 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 DPROP 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 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: EKYX810X

---

**EKYX820E**  SQL ERROR ACCESSING TABLE=dprtab OPERATION=sqlop HUP PRCB=prid

Explanation: IMS DPROP found an SQL error while trying to access the IMS DPROP 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 DPROP 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 DPROP utilities to update IMS DPROP directory tables can cause this error.

While accessing the DPRSEG table of the IMS DPROP 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 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 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 DPROP modules/DBRMs to access one IMS DPROP directory and some to access another. Or the IMS DPROP

Module: EKYX810X
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 dptr2 are the expected values of DPRNAME and DPRTOKEN. dpr1 and dptr1 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

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EKYX830E INVALID VALUE DETECTED IN DPROP DIRECTORY WHILE PROCESSING PR=prid TABLE=dprrtab 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
EKYX833E 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

EKYX834E 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

EKYX835E PR=prid 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

EKYX836E 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

---

**EKX837E**

**PR=prid CONTAINS A FIELD WHICH IS NOT TOTALLY CONTAINED IN ITS SEGMENT TABLE=dptab 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. 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.

---

**EKX840E**

**HUB 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 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.

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**EKX842E**

**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 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.
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 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 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:** EKYX840X

---

**EKYX850E**  
**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 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 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 DPROP function being performed.

**System programmer response:** If the problem was not created by incorrect updates of the IMS DPROP software, call IBM Software Support for assistance.

**Problem determination:** Save the trace records created on the //EKYTRACE data set. Print the rows of the DPRPR table involved in the error.

**Module:** EKYX840X

---

**EKYX851E**  
**INVALID HUP PRCB IN VLF TABLEQUAL=qualifier TABLENAME=tablename**

**Explanation:** Software other than DPROP software was used to store VLF objects in a VLF class reserved for DPROP.

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 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:** 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 DPROP software was used to store VLF objects in a VLF class reserved for DPROP.

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 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:** EKYX850X

---

**EKYX854E** UNEXPECTED DPROP LEVEL IN VLF COPY OF HUP PRCB

**TABLEQUAL=** qualifier

**TABLENAME=** tablename

**LEVEL=** dprlvl

**Explanation:** Combining IMS DPROP modules of different software levels for the same IMS DPROP 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 DPROP software level of the module that created the HUP PRCB.

**dprlvl** is the IMS DPROP software level of the IMS DPROP 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 DPROP issues an abend.

**System programmer response:** If you did not erroneously combine IMS DPROP modules of incompatible IMS DPROP 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 DPROP software was used to store VLF objects in a VLF class reserved for IMS DPROP. 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.

**Severity:** Error.

**System action:** IMS DPROP issues an abend.

**System programmer response:** If you did not erroneously combine IMS DPROP modules of incompatible IMS DPROP software levels, call IBM Software Support for assistance.

**Problem determination:** Save the dump.

**Module:** EKYX850X

---

**EKYX857E** DPROP INTERNAL ERROR - INVALID LENGTH IN PTDCIARL

**Explanation:** This is an internal IMS DPROP error. When called to read a HUP PRCB, 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.

**Severity:** Error.

**System action:** IMS DPROP issues an abend.

**System programmer response:** Call IBM Software Support for assistance.

**Problem determination:** Save the dump.

**Module:** EKYX850X

---
**EKYX860E**  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. Print the DPRHCBT rows of the HUP PRCB for the named table qualifier and table name.

**Module:** EKYX860X

**EKYX862E**  HUB PRCB SIZE INDICATED IN HEADER DOES NOT MATCH SUM OF VARCB COLUMN LENGTH PROCESSING IN DPRPROP=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 HUB 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

**EKYX863E**  INVALID VALUE IN TYPE COLUMN OF DPRHCBT TABLE PROCESSING IN DPRPROP=dpr HUP PRCB WITH TABLEQUAL=qualifier AND TABLENAME=tablename

Explanation: Using utilities other than 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
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 HUB 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 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 HUB 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 HUB 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
**EKYX867E**  
*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.

---

**EKYX868E**  
*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.

---

**EKYX880E**  
*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

---

**EKYX900E**  
*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

---

**EKYX901E**  
*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

---

**EKYX902E**  
*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 DPROP failed. 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

EKYX904E SQL ERROR DURING ‘SQL ROLLBACK’ PROCESSING

Explanation: An SQL ROLLBACK issued by IMS DPROP failed. 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

EKYX905E INTERNAL ERROR: INVALID FUNCTION CODE

Explanation: This is an internal IMS DPROP error. Module EKYX900X 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: EKYX900X

EKYX990E module SHOULD READ DPRMASTER TABLE OF DPROP SYSTEM=dpr1. HOWEVER THE DPROP SYSTEM NAME IS =dpr2

Explanation: The identified module was generated during DPROPGEN 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 DPROP 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 DPROP system.

Module: Various IMS DPROP modules.
EKYX996E  module DETECTED AN SQL ERROR WHILE READING DPRCBT
  DBNAME=dbname  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.

EKYX997E  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.

EKYX998E  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.
Chapter 24. IMS DPROP services messages

EKYY000E //EKYRESLB CANNOT BE OPENED

Explanation: The IMS DPROP SVC could not open the APF-authorized load library containing the IMS DPROP 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 DPROP based on DPROPGEN specifications.

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: EKYSVC00.

EKYY001E EKYY011X-ANCHOR-POINT MODULE IS NOT IN PROTECTED STORAGE

Explanation: The load module EKYY011X is used by IMS DPROP 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 DPROP 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 DPROP 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 DPROP 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 DPROP SVC module EKYSVC00 was called to process an SVC request before initialization of the IMS DPROP SVC services. This is probably an IMS DPROP internal error.

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: EKYSVC00

EKYY004E INVALID CONTENT IN PROTECTED PTD

Explanation: The IMS DPROP SVC module EKYSVC00 found invalid data at the virtual storage location that should contain the PTD 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

EKYY005E SVC PARAMETER BLOCK NOT ACCESSIBLE

Explanation: The IMS DPROP SVC module EKYSVC00 checks at its entry whether register 1 points to an IMS DPROP 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 DPROP issues an abend.

System programmer response: Check whether the SVC call number reserved for IMS DPROP 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:** EKYY010X

---

**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

---

**EKYY010E** 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

---

**EKYY011E** 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

---

**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

---

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

---

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

---

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 DPROP 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 DPROP module EKYY011X was not link-edited with the RENT linkage editor attribute.

Severity: Error.

System action: IMS DPROP 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 DPROP module checks whether the IMS DPROP SVR control block provided by the SVC caller was created by an IMS DPROP module with the IMS DPROP version and release modification level that is compatible with EKYY002X. The check was negative.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Determine why the IMS DPROP 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 DPROP module that initializes the IMS DPROP SVC service functions found that the anchor point module EKYY011X is already initialized.

Severity: Warning

System action: IMS DPROP will attempt to continue.

System programmer response: Report the error message to the IBM Software Support.

Problem determination: If possible, activate the IMS DPROP 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 DPROP 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 DPROP 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 DPROP 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 DPROP issues an abend.

System programmer response: Save the dump, and call IBM Software Support for assistance.

Module: EKYY002X

---

EKYY306E UNEXPECTED DATA IN COMPOSITE DPROP MODULE

Explanation: The SVC-mode EKYY002X IMS DPROP module found invalid values in the CSECT SAVEID located at the entry point of the composite IMS DPROP modules.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Check whether the composite IMS DPROP 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)

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<td>Explanation: The internal DPROP module EKYZM92X received control for an MQSeries call that is either not supported or not supported for the present environment.</td>
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<td>System action: DPROP abends.</td>
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<td>System programmer response: Call IBM Software Support for assistance.</td>
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<td>Problem determination: Save any trace records created by DPROP in the IMS log or on the //EKYTRACE data set. Save the dump.</td>
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<td>EKYZM93E</td>
<td>INTERNAL ERROR - UNSUPPORTED MQSERIES CALL</td>
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<td>System action: DPROP abends.</td>
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</tbody>
</table>
EKYZ01E  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 DPROP Installation Guide.  Synchronize your IMS and DB2 systems again by performing a full extract from IMS and loading DB2.
Module:  Various IMS DPROP modules.

EKYZ02E  SELECTOR CONTROL FILE WITH KEY rekey 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 DPROP modules.

EKYZ03E  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 DPROP modules.

EKYZ04E  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 DPROP modules.

EKYZ05E  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

EKYZ06E  SELECTOR CONTROL FILE datasetname IS EMPTY
Explanation:  The SCF is empty when it is expected to contain at least the version control record defined during IMS DPROP 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 DPROP environment definition.  Refer to the IMS DPROP Installation Guide for further details.
Module:  Various IMS DPROP modules.

EKYZ07E  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 DPROP environment definition.  Refer to the IMS DPROP Installation Guide for further details.
Module:  Various IMS DPROP modules.
**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:** 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.

---

**EKYZ28E** 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.

---

**EKYZ41E** 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.

---

**EKYZ42E** 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: 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.

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.
EKYZ049E  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 DPROP found that the load module EKYZ010X did not have the REUS linkage editor attribute. Because EKYZ010X is used as an anchor point, IMS DPROP operation requires that EKYZ010X have the REUS linkage editor attribute.

Severity: Error.

System action: IMS DPROP 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.

Module: EKYZ000X

EKYZ003E  UNEXPECTED DATA IN COMPOSITE LOAD MODULE

Explanation: IMS DPROP initialization found invalid values in the CSECT SAVEID located at the entry point of the composite IMS DPROP modules.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Check whether the composite IMS DPROP modules EKYZ000X, EKYZ101X, EKYZ110X, EKYZ111X, EKYZ120X and EKYZ121X were link-edited with correct ENTRY statements. If they were not, link the modules with the 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 DPROP initialization found an invalid region type in the DL/I INQY area provided by the caller of EKYRUP00.

Severity: Error.

System action: IMS DPROP 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 DPROP 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: 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 DPROP issues an abend.

System programmer 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: EKYZ050X

EKYZ053E  INTERNAL ERROR: INVALID CONTROL STATEMENT

Explanation: An invalid control statement was located in the //EKYIN data set.

Severity: Error.

System action: IMS DPROP issues an abend.

System programmer response: Contact IBM
**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 DPROP 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 DPROP 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 DPROP issues an abend.
User response: Correct the PROP SUSP control statement in the //EKYIN data set.
Module: EKYZ060X

**EKYZ070E** 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 DPROP Reference.
Severity: Error.

System action: IMS DPROP issues an abend.
User response: Correct the //EKYIN control statement.
Module: EKYZ070X

**EKYZ075E** INTERNAL ERROR: INVALID STATUS IN ZMDSCMD

Explanation: This is an internal IMS DPROP error. Module EKYZ070X 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: EKYZ070X

**EKYZ077E** INTERNAL ERROR: INVALID KEYWORD

Explanation: This is an internal IMS DPROP error. Module EKYZ070X found an invalid keyword in a //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: EKYZ070X
<table>
<thead>
<tr>
<th>Message Code</th>
<th>Explanation</th>
<th>Severity</th>
<th>System action</th>
<th>User response</th>
<th>Module</th>
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</thead>
<tbody>
<tr>
<td>EKYZ078E</td>
<td>MISSING VALUE FOR SCLU=, RPRCB=, OR HPRCB=</td>
<td>Error</td>
<td>IMS DPROP issues an abend.</td>
<td>Correct the //EKYIN control statement.</td>
<td>EKYZ070X</td>
</tr>
<tr>
<td>EKYZ079E</td>
<td>INVALID LENGTH FOR VALUE OF SCLU=, RPRCB=, OR HPRCB=</td>
<td>Error</td>
<td>IMS DPROP issues an abend.</td>
<td>Correct the value of the keyword. For a description of the maximum length for the SCLU= value, see IMS DPROP Reference.</td>
<td>EKYZ070X</td>
</tr>
<tr>
<td>EKYZ080E</td>
<td>INTERNAL ERROR: INVALID STATUS IN ZMDSCMD</td>
<td>Error</td>
<td>IMS DPROP issues an abend.</td>
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<td>EKYZ080X</td>
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<tr>
<td>EKYZ081E</td>
<td>INTERNAL ERROR: INVALID KEYWORD</td>
<td>Error</td>
<td>IMS DPROP issues an abend.</td>
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<td>EKYZ080X</td>
</tr>
<tr>
<td>EKYZ082E</td>
<td>INVALID VALUE FOR DEBUG=</td>
<td>Error</td>
<td>IMS DPROP issues an abend.</td>
<td>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.</td>
<td>EKYZ080X</td>
</tr>
<tr>
<td>EKYZ083E</td>
<td>INVALID COMBINATION OF KEYWORDS</td>
<td>Error</td>
<td>IMS DPROP issues an abend.</td>
<td>Correct the //EKYIN control statement. For a description of valid combinations of keywords, see IMS DPROP Reference.</td>
<td>EKYZ080X</td>
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<td>EKYZ084E</td>
<td>INTERNAL ERROR: UNEXPECTED STATEMENT</td>
<td>Error</td>
<td>IMS DPROP issues an abend.</td>
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<td>EKYZ080X</td>
</tr>
<tr>
<td>EKYZ085E</td>
<td>MISSING KEYWORD VALUE</td>
<td>Error</td>
<td>IMS DPROP issues an abend.</td>
<td>Provide the required keyword value. For a description of mandatory keyword values, see IMS DPROP Reference.</td>
<td>EKYZ080X</td>
</tr>
</tbody>
</table>
**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 DPROP 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 DPROP error. The IMS DPROP module EKYZ150Z 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:** EKYZ150X

**EKYZ151E**  
**A BLDL MACRO FAILED, RC: returncode**

**Explanation:** An IMS DPROP 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 DPROP 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 DPROP 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 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 CEEPIPI INIT-SUB call. If LE/370 issued additional messages, they may help you understand the failure. Save the dump.

**Module:** EKYZ150X

**EKYZ087E**  
**INVALID VALUE FOR DEST=**

**Explanation:** The value of the DEST= keyword was invalid.

**Severity:** Error.

**System action:** IMS DPROP issues an abend.

**User response:** Correct the //EKYIN control statement. For a description of valid values for the DEST= keyword, see IMS DPROP 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 DPROP 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 DPROP issues an abend.

**User response:** Correct the value of the keyword. For a description the maximum length for the DEBUG= keyword value, see IMS DPROP 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 DPROP issues an abend.

**User response:** Remove the TRDEST control statements from the //EKYIN data set.

**Module:** EKYZ080X
Explanation: An IMS DPROP 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 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 CEEPIPI TERM call. If LE/370 issued additional messages, they may help you understand the failure. Save the dump.

Module: EKYZ150X

Explanation: IMS DPROP encountered a failure while attempting to read the user-provided LE/370 run time options.

Severity: Error.

System action: IMS DPROP issues an abend.

Problem determination: See previously issued error messages, which describe the error in more detail.

Module: EKYZ150X

Explanation: IMS DPROP has successfully completed the pre-initialization of the LE/370 environment used for IMS DPROP exit routines.

Severity: Information

System action: Processing continues.

Problem determination: Save the message.

Module: EKYZ150X

Explanation: IMS DPROP has not performed a pre-initialization of the LE/370 environment for IMS DPROP exit routines. Probable explanations are:
- LE/370 is not installed
- The LE/370 load modules are not accessible through the usual //STEPLIB, //JOBLIB, linklib, LPA concatenation

Severity: Information.

System action: Processing continues.

Problem determination: Save the message.

Module: EKYZ150X

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 DPROP is 3.

Severity: Error.

System action: IMS DPROP issues an abend.

User response: Do not provide more than 3 records in the //EKYLEOPT file.

Module: EKYZ150X

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 shown return code.

The return code values have the following meaning:
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: IMS DPROP issues an abend.

Problem determination: If LE/370 issued additional messages, they may help you understand the failure. Save the dump.

Module: EKYZ150X

Explanation: An IMS DPROP 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 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 CEEPIPI ADD-ENTRY call. If LE/370 issued additional messages, they may help you understand the failure. Save the dump.
Module: EKYZ160X

**EKYZ161E**  A CEEPIPI TERM CALL FAILED, RC: returncode

**Explanation:** An IMS DPROP module issued a CEEPIPI TERM call while attempting to create a new, larger LE/370 PIPI table. The CEEPIPI 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 CEEPIPI TERM call. If LE/370 issued additional messages, they may help you understand the failure. Save the dump.

Module: EKYZ160X

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**EKYZ162E**  A CEEPIPI INIT-SUB CALL FAILED, RC: returncode

**Explanation:** An IMS DPROP module issued a CEEPIPI INIT-SUB call while attempting to create a new, larger LE/370 PIPI table. The CEEPIPI 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 CEEPIPI INIT-SUB call. If LE/370 issued additional messages, they may help you understand the failure. Save the dump.

Module: EKYZ160X

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**EKYZ163E**  A CEEPIPI END_SEQ CALL FAILED, RC: returncode

**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 shown return code.

The return code values have the following meaning:

- **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:** IMS DPROP issues an abend.

Module: EKYZ160X

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**Problem determination:** If LE/370 issued additional messages, they may help you understand the failure. Save the dump.

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**EKYZ200E**  INTERNAL DPROP EKYGEMT/ 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

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**EKYZ200E**  INTERNAL DPROP EKYGEMT 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

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**EKYZ200E**  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

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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

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: rdc
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 DPROP 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 DPROP error. IMS DPROP module EKYZ240X 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: EKYZ240X

**EKYZ241E  UNEXPECTED POOL-ID FOR CPOOL SERVICES**

Explanation: This is an internal IMS DPROP error. IMS DPROP module EKYZ240X was called with an invalid pool identification.

Severity: Error.

System action: IMS DPROP 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 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: EKYZ240X

**EKYZ301E  STATEMENT statement INVALID**

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

**EKYZ302E  KEYWORD keyword INVALID**

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

**EKYZ303E  VALUES ON KEYWORD keyword TOO LONG**

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

**EKYZ304E  LEFT PARENTHESES 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

**EKYZ305E  INVALID STATEMENT CONTINUATION STARTING WITH value**

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
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

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.
messages for more information.
Module: EKYZ300X

EKYZ314E MISPLACED COMMAS ON KEYWORD

Explaination: 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

Explaination: 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

Explaination: 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

Explaination: 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

Explaination: 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

Explaination: 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

Explaination: 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

Explaination: 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 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: EKY300X

EKYZ323E  keyword1 IS VALID ONLY IF keyword2 IS CORRECTLY SPECIFIED
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: EKY300X

EKYZ324E  TOO MANY VALUES ON DEPENDENT 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: EKY300X

EKYZ325E  CALLING GROUPNAME group / HEXADECIMAL=value NOT FOUND IN STATEMENT TABLE MODULE 'EKYZ020X'
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: EKY300X

EKYZ326E  STATEMENT STARTING WITH statement MUST BEGIN ON A NEW LINE, 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: EKY300X

EKYZ327E  NO VALUES ALLOWED 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: EKY300X

EKYZ328W  SEMICOLON AFTER STATEMENT statement MISSING
Explanation: The IMS DPROP parser detected incorrect syntax.
Severity: Warning
System action: This depends on the IMS DPROP function being performed.
System programmer response: Check the additional messages for more information.
Module: EKY300X

EKYZ329E  END OF COMMENT "*/" MISSING, START OF COMMENT BEGINNING WITH comment IS INVALID
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: EKY300X
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: EKYZ330X

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 EKYMMSGF 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:  EKYZ380X

EKYZ380E  AIBSFUNC=subfunction AIBRSNMI=resource name AIBRETNR=returncode AIBREASN=reason code DBPCBDDBD=dbd name DBPCBSFSD=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 AIBRSNMI=resource name AIBRETNR=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 DL/I status codes.

Module: EKYZ380X

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EKYZ380X

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

EKYZ450X

Invalid function code for EKY450X

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

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

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**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.

**System programmer response:** Call IBM Software Support for assistance.

**Problem determination:** Save the dump.

**Module:** EKYZ470X

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**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

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**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

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**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

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**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 action:** IMS DPROP issues an abend.

**System programmer response:** Contact IBM Software Support for assistance

**Problem determination:** Save the dump.

**Module:** EKYZ500X

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**EKYZ501E text**

**Explanation:** Module EKYZ500X encountered an I/O error while writing to or reading from a sequential data set. text 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

---

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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 DPROP 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 DPROP error. Module EKYZ500X was called by another IMS DPROP module to perform I/O operations. The name of the model DCB provided by the calling IMS DPROP module was invalid.
Severity: Error.
System action: IMS DPROP 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 DPROP error. Module EKYZ500X was called by another IMS DPROP module to perform I/O operations. The calling IMS DPROP 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 DPROP 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 DPROP error. Module EKYZ500X was called by another IMS DPROP 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 DPROP 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 DPROP error. Module EKYZ500X was called by another IMS DPROP 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 DPROP 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 DPROP error. Module EKYZ500X was called by another IMS DPROP 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 DPROP 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 DPROP error. Module EKYZ500X was called by another IMS DPROP module to process an EKYGET macro. The calling IMS DPROP module tried to read a record after reaching the end of file.
Severity: Error.
System action: IMS DPROP issues an abend.
Programmer response: Contact IBM Software Support for assistance
Problem determination: Save the dump.
Module: EKYZ500X

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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

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

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

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

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

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

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

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 //EKYSNAP FAILED

**Explanation:** The module EKYZ670X was called by other IMS DPROP modules to write a snap of the whole MVS/ESA task to the //EKYSNAP DD statement. The MVS/ESA OPEN macro issued by EKYZ670X failed.

**Severity:** Error.

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**System action:** IMS DPROP ignores the open failure and will not write a snap.

**User response:** Check if a //EKYSNAP DD statement was provided.

**Problem determination:** Determine why the //EKYSNAP data set could not be opened. Other messages issued by MVS/ESA may help you understand this failure.

**Module:** EKYZ670X

**EKYZ671E** SNAP ON //EKYSNAP 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 //EKYSNAP 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 SMFEWTM macro. For information on the SMFEWTM 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.

**Module:** EKYZ800X

**EKYZ801E** INVALID CALL PARAMETER LIST FOR EKYZ800X

**Explanation:** The IMS DPROP module EKYZ801E 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>
<thead>
<tr>
<th>Abend Code</th>
<th>Component ID</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>1100</td>
<td>C</td>
<td>Consistency Check utility</td>
</tr>
<tr>
<td>1101</td>
<td>D</td>
<td>Map Capture Exit</td>
</tr>
<tr>
<td>1103</td>
<td>R</td>
<td>Relational Update Program</td>
</tr>
<tr>
<td>1105</td>
<td>V</td>
<td>Mapping Verification and Generation</td>
</tr>
<tr>
<td>1106 1107</td>
<td>Z Y</td>
<td>Service Functions</td>
</tr>
<tr>
<td>1108</td>
<td>X</td>
<td>CIA (Control Information Access)</td>
</tr>
<tr>
<td>1109</td>
<td>U</td>
<td>SQL Update Modules</td>
</tr>
<tr>
<td>1110</td>
<td>H</td>
<td>Hierarchical Update Program</td>
</tr>
<tr>
<td>1113</td>
<td>I</td>
<td>MQ Asynchronous</td>
</tr>
</tbody>
</table>

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 code X'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.
- The low-order 2 bytes of the reason code (X'0003') identify a specific error within module EKYR270X.

Abend code 1100

| Reason Code: | 09050001 |
| Explanation: | Refer to message EKYC905E. |

Abend code 1101

| Reason Code: | 00000001 |
| Explanation: | A rollback issued after an unexpected SQL code could not be performed successfully. |

Abend code 1103
<table>
<thead>
<tr>
<th>Reason Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>00000000</td>
<td>Refer to message EKYR000E.</td>
</tr>
<tr>
<td>00100010</td>
<td>Refer to message EKYR010E.</td>
</tr>
<tr>
<td>00100011</td>
<td>Refer to message EKYR011E.</td>
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<tr>
<td>00100012</td>
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<td>Refer to message EKYR013E.</td>
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<td>Refer to message EKYR014E.</td>
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<tr>
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<td>Refer to message EKYR015E.</td>
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<td>Refer to message EKYR016E.</td>
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<td>Reason Code: 00200060</td>
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<tr>
<td>Reason Code: 00200061</td>
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<td>Explanation: Refer to message EKYR062E.</td>
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<tr>
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Refer to message EKYR069E.

Refer to message EKYR070E.

Refer to message EKYR071E.

Refer to message EKYR072E.
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Reason Code: 00400083
Explanation: Refer to message EKYR083E.

1103
Reason Code: 00400084
Explanation: Refer to message EKYR084E.

1103
Reason Code: 00400085
Explanation: Refer to message EKYR085E.

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Reason Code: 00400086
Explanation: Refer to message EKYR086E.

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Reason Code: 00400087
Explanation: Refer to message EKYR087E.

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Reason Code: 00400088
Explanation: Refer to message EKYR088E.

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Reason Code: 00400089
Explanation: Refer to message EKYR089E.

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Reason Code: 00400090
Explanation: Refer to message EKYR090E.

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Reason Code: 00400091
Explanation: Refer to message EKYR091E.

1103
Reason Code: 00400092
Explanation: Refer to message EKYR092E.

1103
Reason Code: 00600055
Explanation: Refer to message EKYR055E.

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Reason Code: 00600056
Explanation: Refer to message EKYR056E.

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Reason Code: 00600057
Explanation: Refer to message EKYR057E.

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Reason Code: 00600058
Explanation: Refer to message EKYR058E.

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Reason Code: 00600059
Explanation: Refer to message EKYR059E.

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Reason Code: 00600060
Explanation: Refer to message EKYR060E.

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Reason Code: 00600061
Explanation: Refer to message EKYR061E.

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Reason Code: 00600062
Explanation: Refer to message EKYR062E.

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Explanation: Refer to message EKYR063E.

1103
Reason Code: 00600064
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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 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 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 DPROP incore trace entry.

1103
Reason Code: 09700002
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 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 DPROP incore trace entry.

1103
Reason Code: 09700003
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 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 DPROP incore trace entry.

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: 09800001
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 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 DPROP incore trace entry.

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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 the abend), 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 the abend), or
• In the most recent DPROP incore trace entry.

1103
Reason Code: 09800092
Explanation: Refer to message EKYR982E.

1103
Reason Code: 09800093
Explanation: Refer to message EKYR983E.

1103
Reason Code: 09800094
Explanation: Refer to message EKYR984E.

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Reason Code: 09800095
Explanation: Refer to message EKYR985E.

1103
Reason Code: 09800096
Explanation: Refer to message EKYR986E.

1103
Reason Code: 09800097
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: 0981 nn
Explanation: A Segment exit routine returned to DPROP with an error indication. The nn 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 the abend), or
• In the most recent DPROP incore trace entry.

1103
Reason Code: 09900002
Explanation: Refer to message EKYR982E.
1103
Reason Code: 09900997
Explanation: Refer to message EKRY997E.

1103
Reason Code: 09900998
Explanation: Refer to message EKRY998E.

1103
Reason Code: 09900999
Explanation: Refer to message EKRY999E.

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 EKRY991E 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: 00000005
Explanation: Refer to message EKYZ005E.

1106
Reason Code: 00000006
Explanation: Refer to message EKYZ006E.

1106
Reason Code: 00000007
Explanation: Refer to message EKYZ007E.

1106
Reason Code: 00000008
Explanation: Refer to message EKYZ008E.

1106
Reason Code: 00000009
Explanation: Refer to message EKYZ009E.

1106
Reason Code: 0000000A
Explanation: Refer to message EKYZ00AE.

1106
Reason Code: 0000000B
Explanation: Refer to message EKYZ00BE.

1106
Reason Code: 0000000C
Explanation: Refer to message EKYZ00CE.

1106
Reason Code: 0000000D
Explanation: Refer to message EKYZ00DE.

1106
Reason Code: 0000000E
Explanation: Refer to message EKYZ00EE.

1106
Reason Code: 0000000F
Explanation: Refer to message EKYZ00FE.

1106
Reason Code: 00000010
Explanation: Refer to message EKYZ0010E.

1106
Reason Code: 00000011
Explanation: Refer to message EKYZ0011E.

1106
Reason Code: 00000012
Explanation: Refer to message EKYZ0012E.

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Reason Code: 00000013
Explanation: Refer to message EKYZ0013E.

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Explanation: Refer to message EKYZ0017E.

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Reason Code: 00000018
Explanation: Refer to message EKYZ0018E.

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Reason Code: 00000019
Explanation: Refer to message EKYZ0019E.

1106
Reason Code: 0000001A
Explanation: Refer to message EKYZ001AE.

1106
Reason Code: 0000001B
Explanation: Refer to message EKYZ001BE.

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Reason Code: 0000001C
Explanation: Refer to message EKYZ001CE.

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Reason Code: 0000001D
Explanation: Refer to message EKYZ001DE.

1106
Reason Code: 0000001E
Explanation: Refer to message EKYZ001EE.

1106
Reason Code: 0000001F
Explanation: Refer to message EKYZ001FE.

1106
Reason Code: 00000020
Explanation: Refer to message EKYZ0020E.

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Reason Code: 00000021
Explanation: Refer to message EKYZ0021E.

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Reason Code: 00000022
Explanation: Refer to message EKYZ0022E.

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Reason Code: 00000023
Explanation: Refer to message EKYZ0023E.

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Reason Code: 00000024
Explanation: Refer to message EKYZ0024E.

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Explanation: Refer to message EKYZ0026E.

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Explanation: Refer to message EKYZ0027E.

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Reason Code: 00000028
Explanation: Refer to message EKYZ0028E.

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Reason Code: 00000029
Explanation: Refer to message EKYZ0029E.

1106
Reason Code: 0000002A
Explanation: Refer to message EKYZ002AE.

1106
Reason Code: 0000002B
Explanation: Refer to message EKYZ002BE.

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Reason Code: 0000002C
Explanation: Refer to message EKYZ002CE.

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Reason Code: 0000002D
Explanation: Refer to message EKYZ002DE.

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Reason Code: 0000002E
Explanation: Refer to message EKYZ002EE.

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Reason Code: 0000002F
Explanation: Refer to message EKYZ002FE.

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Reason Code: 00000030
Explanation: Refer to message EKYZ0030E.

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Reason Code: 00000031
Explanation: Refer to message EKYZ0031E.

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Reason Code: 00000032
Explanation: Refer to message EKYZ0032E.

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Explanation: Refer to message EKYZ0033E.

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Reason Code: 00000034
Explanation: Refer to message EKYZ0034E.
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Chapter 26. DPROP abend codes and reason codes

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: 03500000
Explanation: Refer to message EKYZ350E.

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: 04500003
Explanation: Refer to message EKYZ453E.

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: 05000001
Explanation: Refer to message EKYZ501E.

1106
Reason Code: 05000003
Explanation: Refer to message EKYZ503E.
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.
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<td>Refer to message EKYY007E.</td>
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<td>Refer to message EKYY008E.</td>
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<td>Refer to message EKYY009E.</td>
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<td>00020001</td>
<td>Refer to message EKYY301E.</td>
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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.

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Reason Code: 01000003
Explanation: Refer to message EKYX103E.

1108
Reason Code: 01000004
Explanation: Refer to message EKYX104E.

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Reason Code: 01000005
Explanation: Refer to message EKYX105E.

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Reason Code: 01000006
Explanation: Refer to message EKYX106E.

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Reason Code: 01000007
Explanation: Refer to message EKYX107E.

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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.
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<tr>
<th>Reason Code</th>
<th>Explanation</th>
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<td>Refer to message EKYX363E.</td>
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Explanation: Refer to message EKYX412E.

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Reason Code: 04100004
Explanation: Refer to message EKYX414E.

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Reason Code: 04100005
Explanation: Refer to message EKYX415E.

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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.

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Reason Code: 04500001
Explanation: Refer to message EKYX451E.
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<td>Refer to message EKYX457E.</td>
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<td>Refer to message EKYX458E.</td>
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<td>Refer to message EKYX500E.</td>
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1108
Reason Code: 06000002
Explanation: Refer to message EKYX602E.

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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.

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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: 07000003
Explanation: Refer to message EKYX703E.

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.
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<td>Refer to message EKYX809E.</td>
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<td>08300001</td>
<td>Control Block Version of RUP and HUP do not match. There is probably a storage overlay problem. Call the IBM Software Support for assistance.</td>
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<td>08500000</td>
<td>Refer to message EKYX850E.</td>
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<td>08500001</td>
<td>Refer to message EKYX851E.</td>
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<td>Refer to message EKYX853E.</td>
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<td>Refer to message EKYX854E.</td>
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<td>Refer to message EKYX856E.</td>
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<td>Refer to message EKYX857E.</td>
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<td>Refer to message EKYX863E.</td>
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<td>Refer to message EKYX864E.</td>
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<td>Refer to message EKYX865E.</td>
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<td>Refer to message EKYX866E.</td>
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<td>08600007</td>
<td>Refer to message EKYX867E.</td>
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<td>08800000</td>
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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 DSNAME on the DD statement does not match the one specified on the DPROPGEN parms. The user should correct the DSNAME. 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.

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Reason Code: 00000004
Explanation: Refer to message EKYH004E.

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Reason Code: 00000005
Explanation: Refer to message EKYH005E.

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Reason Code: 00000006
Explanation: Refer to message EKYH006E.
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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.

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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 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: 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.
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.

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: 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 the abend), 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 the abend), 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 EKYH2nnnE 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 the abend), 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 the abend), 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 the abend), or
• In the most recent DPROP incore trace entry.

1110
Reason Code: 04200421
Explanation: Refer to message EKYH421E.

1110
Reason Code: 04200422
Explanation: Refer to message EKYH422E.

1110
Reason Code: 04200423
Explanation: Refer to message EKYH423E.

1110
Reason Code: 04200424
Explanation: Refer to message EKYH424E.

1110
Reason Code: 04200425
Explanation: Refer to message EKYH425E.

1110
Reason Code: 04200426
Explanation: Refer to message EKYH426E.

1110
Reason Code: 04300001
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: 04300002
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: 04300003
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: 04300004
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.

1110
Reason Code: 04300005
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: 04400002
Explanation: A DPROP module detected a storage overlay. The overlaid 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: 04400003
Explanation: A DPROP module detected a storage overlay. The overlaid 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: 04400445
Explanation: Refer to message EKYH445E.

1110
Reason Code: 04400446
Explanation: Refer to message EKYH446E.

1110
Reason Code: 09000900
Explanation: Refer to message EKYH900E.

1110
Reason Code: 09000901
Explanation: Refer to message EKYH901E.

1110
Reason Code: 09000902
Explanation: Refer to message EKYH902E.

1110
Reason Code: 09000903
Explanation: Refer to message EKYH903E.

1110
Reason Code: 09000904
Explanation: Refer to message EKYH904E.

1110
Reason Code: 09000905
Explanation: Refer to message EKYH905E.

1110
Reason Code: 09000906
Explanation: Refer to message EKYH906E.

1110
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 EKHY954E.

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: 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 EKYO10E.

1113
Reason Code: 00100011
Explanation: Refer to message EKYO11E.

1113
Reason Code: 00100015
Explanation: Refer to message EKYO15E.

1113
Reason Code: 00100016
Explanation: Refer to message EKYO16E.

1113
Reason Code: 00200020
Explanation: Refer to message EKYO20E.

1113
Reason Code: 00200021
Explanation: Refer to message EKYO21E.

1113
Reason Code: 00200022
Explanation: Refer to message EKYO22E.

1113
Reason Code: 00200023
Explanation: Refer to message EKYO23E.

1113
Reason Code: 00200024
Explanation: Refer to message EKYO24E.
1113
| Reason Code: 00300000 |
| Explanation: Refer to message EKYI030E. |

1113
| Reason Code: 00320000 |
| Explanation: Refer to message EKYI032E. |

1113
| Reason Code: 00400040 |
| Explanation: Refer to message EKYI040E. |

1113
| Reason Code: 00400041 |
| Explanation: Refer to message EKYI041E. |

1113
| Reason Code: 00400042 |
| Explanation: Refer to message EKYI042E. |

1113
| Reason Code: 00550002 |
| Explanation: Refer to message EKYI052E. |

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. |

1113
| Reason Code: 00660003 |
| Explanation: Refer to message EKYI063E. |

1113
| Reason Code: 00660004 |
| Explanation: Refer to message EKYI064E. |

1113
| Reason Code: 00900990 |
| Explanation: Refer to message EKYI990E. |

1113
| Reason Code: 00900998 |
| Explanation: Refer to message EKYI998E. |

1113
| Reason Code: 00900999 |
| Explanation: Refer to message EKYI999E. |

1113
| Reason Code: 03020300 |
| Explanation: Refer to message EKYI300E. |

1113
| Reason Code: 03020301 |
| Explanation: Refer to message EKYI301E. |

1113
| Reason Code: 03020302 |
| Explanation: Refer to message EKYI302E. |

1113
| Reason Code: 03100311 |
| Explanation: Refer to message EKYI311E. |

1113
| Reason Code: 03100312 |
| Explanation: Refer to message EKYI312E. |

1113
| Reason Code: 03100313 |
| Explanation: Refer to message EKYI313E |
| 1113 | Reason Code: 03100315 |
|      | Explanation: Refer to message EKYI315E |
| 1113 | Reason Code: 03100316 |
|      | Explanation: Refer to message EKYI316E |
| 1113 | Reason Code: 03100318 |
|      | Explanation: Refer to message EKYI318E |
| 1113 | Reason Code: 03200320 |
|      | Explanation: Refer to message EKYI320E. |
| 1113 | Reason Code: 03200321 |
|      | Explanation: Refer to message EKYI321E. |
| 1113 | Reason Code: 03200322 |
|      | Explanation: Refer to message EKYI322E. |
| 1113 | Reason Code: 03200323 |
|      | Explanation: Refer to message EKYI323E. |
| 1113 | Reason Code: 03200324 |
|      | Explanation: Refer to message EKYI324E. |
| 1113 | Reason Code: 03200325 |
|      | Explanation: Refer to message EKYI325E. |
| 1113 | Reason Code: 03200326 |
|      | Explanation: Refer to message EKYI326E. |
| 1113 | Reason Code: 03200327 |
|      | Explanation: Refer to message EKYI327E |
| 1113 | Reason Code: 03200328 |
|      | Explanation: Refer to message EKYI328E. |
| 1113 | Reason Code: 03200329 |
|      | Explanation: Refer to message EKYI329E. |
| 1113 | Reason Code: 03200330 |
|      | Explanation: Refer to message EKYI330E. |
| 1113 | Reason Code: 03210402 |
|      | Explanation: Refer to message EKYI402E. |
| 1113 | Reason Code: 03210403 |
|      | Explanation: Refer to message EKYI403E. |
| 1113 | Reason Code: 03210407 |
|      | Explanation: Refer to message EKYI407E. |
| 1113 | Reason Code: 03210408 |
|      | Explanation: Refer to message EKYI408E. |
| 1113 | Reason Code: 03300008 |
|      | Explanation: Refer to message EKYI337E. |
1113  
**Reason Code:** 03310008  
**Explanation:** Refer to message EKYI472E.

1113  
**Reason Code:** 03400000  
**Explanation:** Refer to message EKYI340E.

1113  
**Reason Code:** 03400001  
**Explanation:** Refer to message EKYI341E.

1113  
**Reason Code:** 03550008  
**Explanation:** Refer to message EKYI359E.

1113  
**Reason Code:** 03610000  
**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.

1113  
**Reason Code:** 03620000  
**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.

1113  
**Reason Code:** 03660003  
**Explanation:** Refer to message EKYI363E.

1113  
**Reason Code:** 03680008  
**Explanation:** Refer to message EKYI366E.

1113  
**Reason Code:** 03690008  
**Explanation:** Refer to message EKYI470E.

1113  
**Reason Code:** 03700000  
**Explanation:** Refer to message EKYI370E.

1113  
**Reason Code:** 03700001  
**Explanation:** Refer to message EKYI371E.

1113  
**Reason Code:** 03800000  
**Explanation:** Refer to message EKYI380E.

1113  
**Reason Code:** 03800001  
**Explanation:** Refer to message EKYI381E.

1113  
**Reason Code:** 03800002  
**Explanation:** Refer to message EKYI382E.

1113  
**Reason Code:** 03800003  
**Explanation:** Refer to message EKYI383E.

1113  
**Reason Code:** 03800004  
**Explanation:** Refer to message EKYI384E.

1113  
**Reason Code:** 03920003  
**Explanation:** Refer to message EKYI393E.

1113  
**Reason Code:** 04400008  
**Explanation:** Refer to message EKYI440E.

1113  
**Reason Code:** 04400441  
**Explanation:** Refer to message EKYI441E.
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<tr>
<th>Reason Code</th>
<th>Explanation</th>
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<td>Refer to message EKYI442E.</td>
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<td>Refer to message EKYI952E.</td>
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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 HUP abend. 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 pseudo abend 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 PROPOTH 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 PROPOTH 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*. 

544 Messages and Codes
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.

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.

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.

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. EKYMAPP error handling

The DPROP MQ-ASYNC Propagation APPLY program (EKYMAPP) 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)

**EKYMAPP Error Handling for MQ-ASYNC Propagation**

This section describes how EKYMAPP 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, EKYMAPP 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 EKYMAPP 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**

EKYMAPP 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 DPROP MQ-ASYNC 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-ASYNC 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 DPROP 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 DPROP 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.

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**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 DPROPNR 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 DPROPNR 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
- 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 DPROPNR exit routine which can be used to allocate dynamically the DPROPNR 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. DPROPNR 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 DPROPNR propagation requests once they are validated by the DPROPNR MCE.

F

Field exit routine. A DPROPNR exit routine you can write to complement the logic of DPROPNR’s generalized mapping cases. Field exit routines are typically used to convert an individual IMS data field between a customer format DPROPNR 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 DPROPNR. 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 DPROPNR directory tables. See also, SCF Compare job and SCF Apply job.

Group Unload utility (GUU). The DPROPNR asynchronous propagation utility that extracts details of all IMS sources for the specified propagation group from the DPROPNR 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.
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.

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 DPROPNR asynchronous propagation Selector that contains details of the associated PRDS.

propagation.  See data propagation.

propagation log records.  IMS log records that the DPROPNR 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 DPROPNR asynchronous propagation Selector writes all propagation log records for a propagation group.

PRDS register table.  A DPROPNR directory table that is created at the Receiver site when DPROPNR is installed. The table is initially empty and you must populate it using the PRU REGISTER control statements.

PRDS Registration utility (PRU).  A DPROPNR asynchronous propagation utility that registers PRDSs in the PRDS register table.

Propagation exit routine.  A DPROPNR 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 DPROPNR directory propagation request table (DPROPNR 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 DPROPNR directory table that is created at the Receiver site when DPROPNR is installed. It contains details of all propagation requests defined to DPROPNR 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 DPROPNR 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 DPROPNR 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 CREATERTC 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

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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
- 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
- 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).
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