

CICS Transaction Server for z/OS  
Version 5 Release 3



# CICSplex SM Resource Tables Reference

## Vol 2



CICS Transaction Server for z/OS  
Version 5 Release 3



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## Vol 2

**Note**

Before using this information and the product it supports, read the information in “Notices” on page 425.

This edition applies to the IBM CICS Transaction Server for z/OS Version 5 Release 3 (product number 5655-Y04) and to all subsequent releases and modifications until otherwise indicated in new editions.

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## Preface

This manual describes the format and content of CICSplex<sup>®</sup> SM resource tables that begin with a letter in the range M to Z. contains the alphabetic list of resource tables from M to Z. To look up a resource table that begins with a letter in the range A to L, see CICSplex SM resource tables overview in Reference.

The resource tables can be accessed by the application programming interface (API) or the batched repository-update facility, or can be used in realtime analysis.

A set of machine-readable copybooks is provided for each CICSplex SM resource table. The set consists of one copybook for each language supported by the API. For a description of the resource table copybooks and how to access them see the *CICSplex System Manager Application Programming Guide*.

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## Who this book is for

This book is for application and systems programmers using the CICSplex System Manager application programming interface, the batched repository-update facility or real-time analysis EVALDEFs.

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## What you need to know

This is a reference book that is used in conjunction with other books.

The *CICSplex System Manager Application Programming Guide* and the *CICSplex System Manager Application Programming Reference* describe the CICSplex SM API.

*CICSplex System Manager Administration* contains information about the use of the batched repository-update facility.

*CICSplex System Manager Managing Resource Usage* contains information about real-time analysis EVALDEFs.

---

## Terminology

In this manual, the term **CICSplex SM** means the CICSplex SM element of CICS<sup>®</sup> TS for z/OS<sup>®</sup>. The term *CICSplex* means the largest set of CICS systems to be managed by CICSplex SM as a single entity.

---

## Location of topics in the Knowledge Center

The topics in this publication can also be found in the CICS Transaction Server for z/OS Knowledge Center. The Knowledge Center uses content types to structure how the information is displayed.

The Knowledge Center content types are generally task-oriented, for example: upgrading, configuring, and installing. Other content types include reference, overview, and scenario or tutorial-based information. The following mapping shows the relationship between topics in this publication and the Knowledge Center content types, with links to the external Knowledge Center:

*Table 1. Mapping of PDF topics to Knowledge Center content types.* This table lists the relationship between topics in the PDF and topics in the content types in the Knowledge Center

Set of topics in this publication	Location in the Knowledge Center
All content	CICSplex SM resource tables and views reference in Reference

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## Changes in CICS Transaction Server for z/OS, Version 5 Release 3

For information about changes that have been made in this release, please refer to *What's New* in the Knowledge Center, or the following publications:

- *CICS Transaction Server for z/OS What's New*
- *CICS Transaction Server for z/OS Upgrading to CICS TS Version 5.3*

Any technical changes that are made to the text after release are indicated by a vertical bar (|) to the left of each new or changed line of information.



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## Developing system programs using CICSplex SM resource tables

CICSplex SM resource tables describe the information available for resource classes created or managed by CICSplex SM.

A resource class is a template that describes the attributes of the actual objects that exist in a CICSplex. For example, a local transaction installed in a CICS system has the attributes described by the LOCTRAN resource class. Likewise, the MONDEF resource class describes the attributes of each CICSplex SM monitor definition created by a user.

Each resource class in CICSplex SM has a unique name. The resource class name is used as the name of the resource table that describes its attributes. In many, but not all, cases the resource class name is the same as the Web User Interface (WUI) view that provides information about the resource class. The view names are relative distinguishing names that have a meaning only within the WUI. A resource class name is a unique distinguishing name in CICSplex SM. All requests for resource data from the API, batched repository-update facility, or RTA evaluation definitions must use the resource class name that is defined in the resource table.

The terms *resource table* and *resource class* are used to refer to the resource class. The terms *attribute* and *field* are both used to refer to a resource class attribute definition.

---

### CICS definition resource tables

The CICS definition resource tables describe resource definitions that CICSplex SM can assign to and possibly install in CICS systems.

*Table 2.*

#### Summary of resource tables

ATOMDEF	FEPRODEF	PROFDEF
BUNDDEF	FETRGDEF	PROGDEF
CONNDEF	FILEDEF	PRTNDEF
CSDGROUP	FSEGDEF	RQMDEF
CSDINGRP	IPCONDEF	SESSDEF
CSDINLST	JRNLDDEF	TCPDEF
CSDLIST	JRNMDEF	TDQDEF
DB2CDEF	JVMSVDEF	TERMDEF
DB2EDEF	LIBDEF	TRANDEF
DB2TDEF	LIBDSN	TRNCLDEF
DOCDEF	LSRDEF	TSMDEF
EJCODEF	MAPDEF	TYPTMDEF
EJDJDEF	MQCONDEF	URIMPDEF
ENQMDEF	PARTDEF	WEBSVDEF
FENODDEF	PIPEDEF	
FEPOODEF	PROCDEF	

---

## CICS operations resource tables

The CICS operations resource tables describe resources that exist in active CICS systems that are being managed by CICSplex SM.

*Table 3.*

### Summary of resource tables

AIMODEL	EXTRATDQ	RECOVERY
ATOMSERV	FEPICONN	REMFIL
BRFACIL	FEPINODE	REMTDQ
BUNDLE	FETIPPOOL	REMTAN
BUNDPART	FETIPPROP	REQID
CFDTPPOOL	FETITRGT	RPLLIST
CICSDSA	HOST	RQMODEL
CICSPAGP	HTASK	SMFJRN
CICSRGN	INDTDQ	STREAMNM
CICSSTOR	INTRATDQ	SYSDUMP
CLCACHE	IPCONN	SYSPARM
CMDT	IPFACIL	TAPEJRN
CONNECT	JRNLMODL	TASK
DBCTLSS	JRNLNAM	TASKESTG
DB2CONN	JVM	TASKFILE
DB2ENTRY	JVMPPOOL	TASKRMI
DB2PKGST	JVMPROF	TASKTSQ
DB2SS	JVMSERV	TASKASSC
DB2THRD	LIBRARY	TCPIPGBL
DB2TRAN	LOADACT	TCPIPS
DB2TRN	LOADER	TDQGBL
DOCTEMP	LOCFILE	TERMN
DOMSPOOL	LOCTRAN	TRANCLAS
DSKJRN	LSRPBUF	TRANDUMP
DSNAME	LSRPOOL	TSKSPOLS
DSPGBL	MASHIST	TSKSPPOOL
DSPMODE	MASSTAT	TSMODEL
DSPPOOL	MODENAME	TSPOOL
EJCOBEAN	MONITOR	TSQGBL
EJCOSE	MQCON	TSQNAME
EJDJAR	MQCONN	TSQSHR
EJDJBAN	MQINI	TSQUEUE
ENQMODEL	MVSESTG	UOW
ENQUEUE	MVSTCB	UOWDSNF
EPADAPT	MVSTCBGL	UOWENQ
EPADSET	MVSWLM	UOWLK
EPAINSET	OSGIBUND	URIINGRP
EVCSDATA	OSGISERV	URIMPGBL
EVCSINFO	PARTNER	URIMAP
EVCSOPT	PIPELINE	VOLUME
EVCSPEC	PIPINGRP	WEBSERV
EVNTBIND	PROCTYP	WORKREQ
EVNTGBL	PROFILE	XMLTRANS
EXCI	PROGRAM	
EXITGLUE		
EXITTRUE		
EXTGLORD		

---

## CICS monitored resource tables

The following table lists resources that exist in active CICSplex SMs and which are being monitored by CICSplex SM.

*Table 4.*

### Summary of resource tables

MCICSDSA	MJRNLNAM	MREMAFILE
MCICSRGN	MLOCFILE	MREMTDQ
MCMDT	MLOCTAN	MREMTAN
MCONNECT	MLSRPBUF	MTDQGBL
MDB2THRD	MLSRPOOL	MTERMNL
MFEPICON	MMODNAME	MTRANCLS
MINDTDQ	MNTRATDQ	MTSQGBL
MJOURNAL	MPROGRAM	MXTRATDQ

---

## CICSplex SM definition resource tables

The CICSplex SM definition resource tables are used by CICSplex SM management applications, such as Workload Manager and Business Application Services.

*Table 5.*

### Summary of resource tables

ACTION	JRMINGRP	RESINDSC
APPLDEF	JRNINGRP	RESINGRP
APSPEC	LIBDEF	RQMINGRP
ATMINGRP	LIBINGRP	RTADEF
BUNINGRP	LNKSMSCG	RTAGROUP
CMDMPAPS	LNKSMSCS	RTAINAPS
CMDMSAPS	LNKSRSCG	RTAINGRP
CONINGRP	LNKSRSCS	RTAINSPC
CSGLCGCG	LNKSWSCG	RTASPEC
CSGLCGCS	LNKSWSCS	SESINGRP
CSYSDEF	LSRINGRP	STAINGRP
CSYSGRP	MAPINGRP	STATDEF
DOCDEF	MONDEF	SYSLINK
DOCINGRP	MONGROUP	TCLINGRP
DTRINGRP	MONINGRP	TCPINGRP
D2CINGRP	MONINSPC	TDQINGRP
D2EINGRP	MONSPEC	TERMDEF
D2TINGRP	MQCINGRP	TRANGRP
EJCINGRP	PARINGRP	TRMINGRP
EJCODEF	PERIODEF	TRNINGRP
EJDINGRP	PGMINGRP	TSMINGRP
ENQINGRP	PIPEDEF	TYPINGRP
EVALDEF	PLATDEF	URIMPDEF
FILINGRP	PRCINGRP	WEBINGRP
FNOINGRP	PRNINGRP	WEBSVDEF
FPOINGRP	PROGDEF	WLMDEF
FPRINGRP	PROINGRP	WLMGROUP
FSGINGRP	RASGNDEF	WLMINGRP
FTRINGRP	RASINDSC	WLMINSPC
IPCINGRP	RESDISC	WLMSPEC
JMSINGRP	RESGROUP	

---

## CICSplex SM configuration definition resource tables

The following table lists definitions that are used by CICSplex SM for configuration purposes .

*Table 6.*

### Summary of resource tables

CMTCMDEF	CPLXCMAS
CMTPMDEF	CPLXDEF

---

## CICSplex SM management resource tables

A list of runtime resources that are either built from CICSplex SM definitions or created by CICSplex SM management applications during processing.

*Table 7.*

### Summary of resource tables

APACTV	CRESFEND	CRESURIM
APPLCTN	CRESFEPO	CRESWEBS
BATCHREP	CRESFETR	CRESXMLT
CICSplex	CRESFILE	EVENT
CMAS	CRESGLUE	EVENTDTL
CMASLIST	CRESIPCN	MAS
CMASPLEX	CRESJRNL	MGMTPART
CMTMMLNK	CRESJRNLM	PLATFORM
CMTPMLNK	CRESJVM	POLMON
CRESAIMD	CRESLIBR	RASPROC
CRESATOM	CRESMODE	RDSCPROC
CRESBUND	CRESPART	RTAACTV
CRESCONN	CRESPIPE	SYSRES
CRESDB2C	CRESPRGM	WLMATAFF
CRESDB2E	CRESPROF	WLMATARG
CRESDB2P	CRESPTY	WLMATGRP
CRESDB2T	CRESRQMD	WLMATRAN
CRESDOCT	CRESSDMP	WLMAWAOR
CRESDSNM	CRESTCPS	WLMAWDEF
CRESENQM	CRESTDMP	WLMAWORK
CRESEPAD	CRESTDQ	WLMAWTOR
CRESEPAS	CRESTERM	
CRESEVBD	CRESTRAN	
CRESEVCS	CRESTRUE	
CRESFECO	CRESTSMD	



---

## CICSplex SM notification resource tables

The CICSplex SM notification resource tables list messages that are generated asynchronously by CICSplex SM managed objects to report an interesting event.

*Table 8.*

### Summary of resource tables

EACTNTFN	ERMCCONN	ERMCOGS
ECSYSCHG	ERMCDDB2C	ERMCPART
EDEFCHG	ERMCDDB2E	ERMCPPIPE
ELIGNAL	ERMCDDB2P	ERMCPRGM
EMASJOIN	ERMCDDB2T	ERMCPROF
EMASSICK	ERMCDDOCT	ERMCPRTY
EMASSTOP	ERMCDSDNM	ERMCRQMD
EMASSTRT	ERMCDENQM	ERMCDSDMP
EMASWELL	ERMCEPAD	ERMCTCPS
EMCICS	ERMCEPAS	ERMCTDMP
EMCONN	ERMCEVBD	ERMCTDQ
EMDBX	ERMCEVCS	ERMCTERM
EMFILE	ERMCEVSD	ERMCTRAN
EMGLBL	ERMCEVSI	ERMCTRUE
EMJRNL	ERMCEVSO	ERMCTSMD
EMPROG	ERMCFECO	ERMCCRIM
EMSTATUS	ERMCFEND	ERMCRWEBS
EMTDQS	ERMCFEPO	ERMCMXLT
EMTERM	ERMCFETR	ERMCMCONN
EMTRAN	ERMCFEFILE	ERMCMFILE
EPLEXCHG	ERMCGLUE	ERMCMJRNL
ERESSTAT	ERMCI PCN	ERMCMPRGM
ERMCAIMD	ERMCMJRNL	ERMCMTDQ
ERMCA TOM	ERMCMJRN M	ERMCMTERM
ERMCBUND	ERMCMJVM S	ERMCMTRAN
	ERMCLIBR	ESGRPCHG
	ERMCMODE	
	ERMCMOSGB	

---

## CICSplex SM metadata resource tables

The following table list objects that describe the structure of other CICSplex SM managed objects, including general characteristics, valid actions, and object attributes.

*Table 9.*

### Summary of resource tables

ASYNCREQ	METADESC
ATTR	METANAME
ATTRAVA	METAPARM
BINCONRS	OBJECT
BINCONSC	OBJECT
BINSTERR	OBJSTAT
FEEDBACK	PARMAVA



---

## Resource class key attributes

Each resource class can have many object instances in a CICSplex. Each object instance is a named entity and one or more attributes provide the instance key.

For example, the attribute TRANID in the LOCTRAN resource class identifies the attribute that is the name or key field. Resource class key fields are highlighted in the resource table descriptions. Some resource classes have multiple key fields.

For resource classes that describe CICSplex SM definitions, the key attributes are used to construct the physical keys used in the EYUDREP VSAM KSDS file. For these resource classes, one or two key fields are defined. One key field is identified as the **Primary** key. The other field, if used, is identified as the **Secondary** key. A suffix of *-n*, where *n* is the key level number, is added to the name in the table.

Key fields are used to:

- Uniquely identify resources for the CREATE, UPDATE, and REMOVE statements in the API and batched repository-update facility.

When you create, update, or remove a CICSplex SM definition, you must supply all the key values. Furthermore, the values for the key fields must be specific; generic values are not allowed.

- Identify the selection criteria for the LIST or DUMP statements in the batched repository-update facility.

When you list or dump CICSplex SM definitions, only the **Primary** key field can be referenced. For these statements, both specific and generic values are allowed for key fields.

- Identify object instances in an evaluation definition.

The instance pattern field in the EVALDEF create panel identifies a specific or generic pattern for the key field of a resource table. The INSTANCE attribute of the EVALDEF resource table is the field in which this information is stored.

The CICSplex SM resource table descriptions in the following sections identify the **Primary** key field for each CICSplex definition resource class. The CICSplex SM notification resource class does not have key fields. The content of the notification identifies the objects associated with the notification.



---

## Special attribute and resource table considerations

Certain attributes in the CICSplex SM resource tables are for internal use only; you should not attempt to modify or manipulate them. Similarly, certain resource tables can be accessed only in certain ways.

---

### EYU\_ attributes

In CICS resource and CICS monitored tables, CICSplex SM uses the following attributes to uniquely identify which CICS system contains the resource:

- EYU\_CICSNAME
- EYU\_CICSREL

These attributes are included in every CICS resource and CICS monitored resource table record and can be used by the CICSplex SM API. However, you cannot refer to these attributes in any batched repository-update facility command.

---

### CHANGEAGENT, CHANGEAGREL, CHANGETIME, CHANGEUSRID, and CREATETIME attributes

The resource table descriptions identify the CHANGETIME attribute for CICSplex SM and CICS definitions. The CHANGETIME attribute always contains the date and time of the last modification to the definition. CICS definition resource tables also include the CREATETIME attribute, which is the date and time when the definition was created.

CICS TS 4.1 introduced new attribute fields CHANGEAGENT, CHANGEAGREL, and CHANGEUSRID to the resource table resource definition record. These new attributes, combined with the existing CHANGETIME and CREATETIME attributes, form the resource definition signature and are valid only for BAS resource definitions.

CHANGEAGENT displays how the resource was defined or last modified. CHANGEAGREL contains the level of CICS system that created or last modified the resource definition. CHANGEUSRID contains the user ID that created or last modified the resource definition.

The CHANGEAGENT, CHANGEAGREL, CHANGETIME, CHANGEUSRID and CREATETIME attributes are maintained internally by CICSplex SM. Do not attempt to change their values in any way.

---

### LNKSxSCG Records (LNKSMSCG, LNKSRSCG, LNKSWSCG)

When a CICSplex SM specification-to-CICS system group link record (LNKSxSCG) is created or removed, an additional operand, **keyword**, is required. This keyword indicates how the link being created or removed applies to the current members of the CICS system group. The keywords for the CREATE and REMOVE commands are as follows:

#### CREATE

Specify one of the following parameters:

**FORCE** All current members of the CICS system group should have

implicit links established to the named specification. When a link already exists, it is replaced with the newly CREATED link.

**NULL** Current members of the CICS system group should have implicit links established to the named specification only if no link already exists.

**NONE** No implicit links should be established.

#### **REMOVE**

Specify one of the following parameters:

**KEEP** All implicit links are to be converted to explicit links.

**NONE** No implicit links are to be converted to explicit links.

**Note:** You cannot update LNKSxSCG records using the API or batched repository-update facility; you must use either the CICS Explorer® or the Web User Interface.

---

## **LNKSxSCS Records (LNKSMSCS, LNKSRSCS, LNKSWSCS)**

When a CICSplex SM specification-to-CICS system link record (LNKSxSCS) is created or removed using the batched repository-update facility, two of the **keyword (value)** operand pairs cannot be used. The keyword(value) pairs that must be omitted from the CREATE and REMOVE commands are the LINK and GROUP pairs. For more information, see the description of the batched repository-update facility in the CICSplex System Manager Administration book.

---

## **CSYSDEF xxxACTION and xxxSEV attributes**

The CICSplex SM API allows the CSYSDEF xxxACTION and xxxSEV attributes to be used in more than one way.

The following values can be specified for the xxxACTION attributes:

1. The name of an action that is to be taken when this condition occurs.
2. An asterisk (\*). This allows the action to be inherited. The rules for specifying inheritance are given in the CSYSDEF Resource Table topic in CICSplex SM resource tables overview in Reference.
3. Leave the attribute blank. This causes a default value to be used. Default notification values are listed in the CICSplex System Manager Managing Resource Usage book..

The following values can be specified for the xxxSEV attributes:

1. The value that is to be used as the severity for this condition.
2. NO. This means that the condition is not to be monitored.
3. The EYUDA INHERIT value. This causes the value to be inherited.
4. The EYUDA N\_A value. This causes the default security level for this condition to be used.

---

## Parameters for managing CICSplex SM Definitions

You can use CICSplex SM to describe the set of CICS definitions to be installed in a CICS system.

---

### Creating CPSM definitions

When you create a CICS system definition using the batched repository-update facility or the API, you can identify an existing CICS system to be used as a model. The CREATE command for the SYSRES object accepts the following parameter:

**MODEL(csysdef)**

(Optional) Specify the name of an existing CICS system whose system links definitions are to be used as a model.





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## Parameters for managing CICS Definitions

You can use CICSplex SM to manage your CICS resource definitions as CICS Definition objects.

---

## Parameters for managing CICS definitions with BAS

You can use CICSplex SM to manage your CICS resource definitions as CICS definition objects with BAS.

### Creating Resource descriptions

A resource description represents the largest set of resources that can be managed as a unit by CICSplex SM. It might consist of all the resources in several resource groups or resource assignments (much like a CSD group list) or the set of resources that make up a given application on various CICS systems. When you create a resource description using the batched repository-update facility or API, you can identify an existing resource description to be used as a model. The **CREATE** command for the RESDESC object accepts the following parameter:

**MODEL(resdesc)**

(Optional) Specify the name of an existing resource description whose resource assignments are to be used by the new resource description.

### Creating Resource groups

One aspect of managing CICS Definitions is combining them into logical sets of resources in a resource group (RESGROUP). When you create a resource group using the batched repository-update facility or API you can identify an existing resource group to be used as a model. The **CREATE** command for the RESGROUP object accepts the following parameters:

**MODEL(resgroup)**

(Optional) Specify the name of an existing resource group whose resource definitions are to be used by the new group.

**MODE(option)**

(Required, if you specified a MODEL value) Indicate which definitions are to be copied from the model resource group to the new group:

**NO** Do not copy any definitions from the model group.

**ASSOCIATIONS**

Copy the associations between resource definitions and the model group (RESINGRP definitions) and create a new set of associations from the existing resources to the new group.

**MEMBERS**

Copy all the resource definitions in the model group and create a new set for use by the new group.

### Adding CICS Definitions to a Resource group

When you create CICS Definitions using the batched repository-update facility or API you can add them to an existing resource group by using the RESGROUP parameter. The **CREATE** command for each CICS Definition object (such as CONNDEF) supports the following parameter:

**RESGROUP(resgroup)**

(Optional) Specify the name of an existing resource group to which the CICS Definition should be added.

## Selecting CICS Definitions

When you use the GET API command to create a result set of CICS Definition records, you can limit your request to definitions in a given resource group, or CICS system. The GET command for each CICS Definition object (such as CONNDEF) supports the following parameters:

**RESGROUP(resgroup)**

(Optional) Specify the name of an existing resource group from which CICS Definition records should be selected.

**CICSSYS(value)**

(Required for SYSRES definition, optional for all others) Specify the name of an existing CICS system whose system links definitions are to be used as a model.

When the CICSSYS parameter is used, the result set will contain records that have been modified to show what the record would look like when installed in the system specified by CICSSYS(value).

---

## Managing CICS definitions in the CSD

You can use CICSplex SM to manage your CICS resource definitions in the CSD.

### Add a resource to a group

Add a CSD resource to a CSD group either with the **CREATE** command or with the **CSDCOPY** action.

The **CREATE** command creates a new resource definition in the CSD. When the resource definition is created, it must be assigned to a group. The **CREATE** command contains the following parameter:

**CSD** This parameter is optional.

Specifies whether the resource is a CSD resource. You must specify **PARM=CSD** if you are creating a CSD resource.

The **CSD** parameter is defined without a value. The CSD group into which the resource definition is defined is specified as an attribute of the resource definition: **CSDGROUP=groupname**

The **CSDCOPY** action copies an existing CICS resource definition, which is defined in the CSD, from one CSD group to another. The **CSDCOPY** action contains the following parameters:

**AS\_RESOURCE(value)**

Specifies the name that the copy of the resource will take.

The **AS\_RESOURCE** and **TO\_CSDRESOURCE** parameters are mutually exclusive. Specify only one of these parameters on a **CSDCOPY** action.

**DUPACTION {DUPERROR | DUPNOREPLACE | DUPREPLACE}**

This parameter is optional.

Specifies the action that CPSM takes if the **CSDCOPY** action would result in a duplicate definition in the target CSD group.

#### DUPERROR

If **DUPACTION=DUPERROR** is specified, an error is returned to the user if the **CSDCOPY** action would result in a duplicate resource in the target CSD group.

#### DUPREPLACE

If **DUPACTION=DUPREPLACE** is specified, duplicate resource definitions in the target CSD group are replaced by the resource definitions that are being copied into the CSD group.

#### DUPNOREPLACE

If **DUPACTION=DUPNOREPLACE** is specified, duplicate resource definitions in the target CSD group are not replaced.

#### TO\_CSDGROUP(*value*)

Specifies the destination CSD group into which a copy of the resource will be added.

The **AS\_RESOURCE** and **TO\_CSDRESOURCE** parameters are mutually exclusive. Specify only one of these parameters on a **CSDCOPY** action.

### Add a CSD group to a list

Add a CSD group to a CSD list with the **CSDADD** action.

The **CSDADD** action adds a group of CSD resources to a list of CSD groups. The **CSDADD** action contains the following parameters:

#### TO\_CSDLIST(*value*)

Specifies the CSD list to which to add the CSD group.

#### ADD\_CSDGROUP(*value*)

This parameter is optional.

Specifies which existing CSD group to position the supplied CSD group next to in the CSD list. The **ADD\_LOCATION** parameter defines whether the supplied CSD group is added before or after the existing CSD group.

#### ADD\_LOCATION {BEFORE|AFTER}

This parameter is optional. If this parameter is not specified, the supplied CSD group is appended to the end of the list.

Specifies whether to add the supplied CSD group BEFORE or AFTER the existing CSD group in the CSD list.

### Remove a resource from a group

Delete a CSD resource definition from a CSD group with the **REMOVE** command.

The **REMOVE** command, when issued against a CICS resource definition in a CSD group, deletes the resource from the group and CSD.

**CSD** This parameter is optional.

Specifies that the resource is to be removed from a group in the CSD.

### Remove a group from a list

Remove a CSD group from a CSD list with the **REMOVE** command.

The **REMOVE** command, when issued against the CSDINLST resource, removes a CSD group from a CSD list.

Issuing a **REMOVE** command against the CSDINLST resource is equivalent to issuing a CEDA REMOVE GROUP(*group\_name*) LIST(*list\_name*) command.

## Delete a group

Delete a CSD group from the CSD with the **REMOVE** command.

The **REMOVE** command, when issued against the CSDGROUP resource, deletes a CSD group, and all resource definitions in the group, from the CSD.

Issuing the **REMOVE** command against the CSDGROUP resource is equivalent to issuing a CEDA DELETE GROUP(*group\_name*) ALL(\*) command.

The **REMOVE** command contains the following parameter:

### LISTREMOVE

This parameter is optional.

Specifies that the CSD group is to be removed from all CSD lists.

---

## Parameters for installing CICS definitions using BAS

You can use CICSplex SM to install CICS definition objects in CICS systems that support the EXEC CICS CREATE command.

CICS resources that are represented by CICS definitions can be installed in the following ways:

- Individually, using the INSTALL action for a CICS Definition object (such as CONNDEF).
- As part of a resource group, using the INSTALL action for the RESGROUP object.
- As part of a resource description, using the INSTALL action for the RESDESC object.

The syntax of the INSTALL action, which is shown with each of the resource tables that support it, is essentially the same for each method of installation. Some or all of the following parameters can be used:

### ASSIGNMENT

(Optional) When installing a resource group, specify the name of a resource assignment (RASGNDEF) to be used for the installation.

### CRITERIA

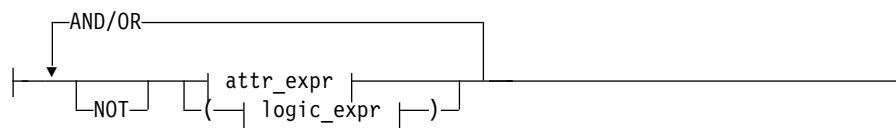
(Optional) When installing a resource group, identify attributes that are to be used in selecting the resources to be installed. CICSplex SM processes only those resources that meet the specified filter criteria.

A filter expression can be made up of one or more attribute expressions in the form:

#### Filter Expression

►► | logic\_expr | . ◀◀

#### logic\_expr:



#### attr\_expr:

| attr oper value |

where:

**attr** Is the name of an attribute in the resource table.

You can name the same attribute more than once in a filter expression.

**Note:** You cannot specify the EYU\_CICSNAME or EYU\_CICSREL attributes in a filter expression.

**oper** Is one of the following comparison operators:

- < Less than
- <= Less than or equal to
- = Equal to
- >= Greater than or equal to
- > Greater than
- ≠ Not equal to

**value** Is the value for which the attribute is being tested. The value must be a valid one for the resource table attribute.

If the attribute accepts character data, this value can be a generic. Generic values can contain:

- An asterisk (\*), to represent any number of characters, including zero. The asterisk must be the last or only character in the specified value. For example:

TRANID=PAY\*

- A plus sign (+), to represent a single character. A + can appear in one or more positions in the specified value. For example:

TRANID=PAY++96

If the value contains imbedded blanks or special characters (such as periods, commas, or equal signs), the entire value string must be enclosed in single quotes. For example:

TERMID='Z AB'

To include a single quote or apostrophe in a value, you must repeat the character, like this:

DESCRIPTION='October''s Payroll'

## **AND/OR**

Combines attribute expressions into compound logic expressions using the logical operators AND and OR, like this:

attr\_expr AND attr\_expr.

Filter expressions are evaluated from left to right. You can use parentheses to vary the meaning of a filter expression. For example, this expression:

attr\_expr AND (attr\_expr OR attr\_expr).

has a different meaning than this one:

(attr\_expr AND attr\_expr) OR attr\_expr.

**NOT** Negates one or more attribute expressions.

You can negate a single attribute expression, like this:

NOT attr\_expr

You can also negate multiple attribute expressions or even a whole filter expression, like this:

NOT (attr\_expr OR attr\_expr).

Note that you must place parentheses around the attribute expressions (or the filter expression) to be negated.

## **FORCEINS**

(Optional) Specify YES or NO to indicate whether you want to install the resource even if it already exists. YES is the default.

If you specify NO, the definition will be installed anywhere it does not currently exist. CICSplex SM checks to see if the resource is currently installed in the CICS system. If so, CICSplex SM does not install the new resource, to avoid inadvertently changing attributes of an active resource.

If you specify YES, CICSplex SM bypasses this duplicate resource checking and installs the new resource unconditionally.

## **MODE**

(Optional. When installing a RESGROUP with the assignment parameter see "Installing a RESGROUP when ASSIGNMENT is specified" on page 22.) For some resource types, CICSplex SM requires additional information to determine which subset of resource attributes to use in completing the installation. The MODE value you should specify depends on the resource type being installed:

### **Program definitions (PROGDEF)**

If REMOTE is specified in the Usage field, you can identify how the program is to be routed:

#### **DYNAM**

Programs are processed by the dynamic routing program (DTR).

**STAT** Programs are sent to the remote CICS system identified in the Related Scope

### **Transaction definitions (TRANDEF)**

If you specified a USAGE of REMOTE, you must identify the type of remote reference:

#### **DYNAM**

Transactions should be processed by the dynamic transaction routing (DTR) program.

**STAT** Each transaction should be sent to the remote CICS system identified in the transaction definition (TRANDEF).

The value you specify here overrides the Dynamic value in the TRANDEF.

### **Transient data queue definitions (TDQDEF)**

You can identify the type of transient data queue to be installed:

#### **INTRA**

Intrapartition TDQ.

#### **EXTRA**

Extrapartition TDQ.

**IND** Indirect TDQ.

If you do not specify the MODE parameter, CICSplex SM uses the Type value in the TDQDEF to install the transient data queue. If the Type value is REMOTE, CICSplex SM installs an indirect TDQ.

## **NOTIFY**

(Optional) Specify the type of checking that should be performed before attempting to install a resource:

**NO** No checking is performed.

**INACTIVE**

Check for CICS systems in the target scope that are not currently active.

**RELEASE**

Check for CICS systems in the target scope that do not support EXEC CICS CREATE commands.

**FULL** Perform both INACTIVE and RELEASE checking.

**OVERRIDE**

(Optional. When installing a RESGROUP with the assignment parameter see "Installing a RESGROUP when ASSIGNMENT is specified" on page 22.) Identify attributes of the specified resource whose values are to be modified when it is installed in one or more of the specified scopes. (The OVERTYPE value determines which scope the override values are applied to.)

An override expression can be made up of one or more attribute expressions in the form:

**Override Expression**



where:

**attr** Is the name of a modifiable attribute in the resource definition.

**value** Is the value to which you want the attribute set. The following restrictions apply:

- The value must be a valid one for the attribute.
- If the value contains imbedded blanks or special characters (such as periods, commas, or equal signs), the entire value string must be enclosed in single quotes, like this:

DESCRIPTION='Payroll.OCT'

- To include a single quote or apostrophe in a value, you must repeat the character, like this:

DESCRIPTION='October''s Payroll'

**OVERTYPE**

(Optional. ) If you plan to specify an OVERRIDE expression for the installation, indicate which scope the override values should be applied to:

**TARGET**

Apply the override values to the TARGET scope only.

**RELATED**

Apply the override values to the RELATED scope only.

**BOTH** Apply the override values to both the TARGET and RELATED scopes.

**NONE**

Do not apply any override values.

**REFASSIGN**

(Required when installing a CONNDEF) Identify the resource assignment



(RASGNDEF) that applies to the related sessions definitions (SESSDEF). For each connection definition, CICSplex SM requires one or more sessions definitions to properly construct the actual CICS connection.

#### RELATED

(Required, if USAGE is REMOTE. Optional when installing a RESGROUP with the assignment parameter. See “Installing a RESGROUP when ASSIGNMENT is specified” on page 22.) Specify the name of an existing CICS system or CICS system group into which a resource identified as REMOTE is to be installed as LOCAL.

#### RESTYPE

(Required when installing a RESGROUP) Specify the type of resource being installed, as one of the following CICS Definition objects:

- |            |            |            |
|------------|------------|------------|
| • ATOMDEF  | • FILEDEF  | • PROGDEF  |
| • BUNDDEF  | • FSEGDEF  | • PRTNDEF  |
| • CONNDEF  | • IPCONDEF | • RQMDEF   |
| • DB2CDEF  | • JRNLDEF  | • TCPDEF   |
| • DB2EDEF  | • JRNMDEF  | • TDQDEF   |
| • DB2TDEF  | • LIBDEF   | • TERMDEF  |
| • DOCDEF   | • LSRDEF   | • TRANDEF  |
| • ENQMDEF  | • MAPDEF   | • TRNCLDEF |
| • FENODDEF | • MQCONDEF | • TSMDEF   |
| • FEPOODEF | • PARTDEF  | • TSQDEF   |
| • FEPRODEF | • PROCDEF  | • TYPTMDEF |
| • FETRGDEF | • PROFDEF  |            |

Note that sessions definitions (SESSDEF) cannot be directly installed. They are installed along with their associated connection definitions (CONNDEF)

#### STATECHK

(Optional) Specify YES or NO to indicate whether the existence and operational state of the resource is checked before an EXEC CICS CREATE command is issued. If you specify YES and one or more resources are not in the required state, the **EXEC CICS CREATE COMMAND** is not issued for any of the selected resources. FORCEINS and STATECHK parameters must both be set to YES for the check to be carried out.

#### TARGET

(Required except when installing a RESGROUP with the assignment parameter. See “Installing a RESGROUP when ASSIGNMENT is specified” on page 22.) Specify the name of an existing CICS system or CICS system group into which the resource is to be installed.

#### USAGE

(Required except when installing a RESGROUP with the assignment parameter. See “Installing a RESGROUP when ASSIGNMENT is specified” on page 22.) Specify how the resource will be used:

##### LOCAL

The resource is contained within the target CICS system. LOCAL is valid for all supported resource types.

##### REMOTE

The resource definition refers to a resource installed in a different CICS system. If you specify REMOTE, you must also specify a

RELATED value to identify the CICS system that contains a local instance of the resource. REMOTE is valid only for the following resource types:

- FILEDEF
- PROGDEF
- TDQDEF
- TRANDEF

---

## Replacing a Resource description

You can use CICSplex SM to replace a resource description, using the REPLACE action for the RESDESC object. CICSplex SM attempts to replace all of the resources associated with an installed resource description with the resources associated with a new description. That is, CICSplex SM:

- Discards any resources that are associated with the old resource description, but not the new one.
- Reinstalls any resources that are associated with both the old resource description and the new one, regardless of whether the definitions have changed.
- Installs any additional resources that are associated with the new resource description.

For replacement to occur, the CICS systems named in the Target and Related scope fields of both resource descriptions must be active and must be running a release of CICS that supports the EXEC CICS CREATE command.

Some or all of the following parameters can be used:

### **CURRENT**

(Required) Specify the specific or generic name of a currently installed resource description that is to be replaced.

### **FORCEINS**

(Optional) See page FORCEINS for a description of the FORCEINS parameter.

### **NOTIFY**

(Optional) See page NOTIFY for a description of the NOTIFY parameter.

### **STATECHK**

(Optional) See page STATECHK for a description of the STATECHK parameter.

---

## Installing a RESGROUP when ASSIGNMENT is specified

When the ASSIGNMENT parameter is used on the INSTALL action for the RESGROUP, the following parameters can be used to override temporarily the values in the RASGNDEF specified by the ASSIGNMENT parameter:

- TARGET
- RELATED
- USAGE
- MODE
- OVERRIDE

In this case the above parameters are optional. In all other cases including the case where a RESGROUP is installed and the ASSIGNMENT parameter is NOT specified, refer to the descriptions listed above for the correct usage.



---

## How to read resource table descriptions

Each resource class is represented by a resource table that fully describes the attributes of that resource. The information for a resource table is presented in a set of tables that describe the resource as a whole and the individual attributes of the resource table.

---

### Resource table definition

The first table presented for each resource table defines the general characteristics of the resource table.

The characteristics of a resource table are:

**Characteristic**

**Meaning**

**Table** The name of the managed object that this resource table describes. This name is used to identify the object in all API commands and from the batched repository-update facility.

**Description**

A 1- to 30-character description of the resource table.

**External resource name**

An external name used for referencing the resource table.

**Length**

The external length of the resource table. This is a fullword value which indicates the length of the resource table records returned in response to an API FETCH command.

**Usage** Identifies the valid uses for the resource table, as one of the following:

**API** It can be referenced from the CICSplex SM API.

**Batch Utility**

It can be processed using the batched repository-update facility.

**CICS Management Client Interface**

It can be referenced from the CICS Management Client Interface.

**EVALDEF**

It can be named in a real-time analysis evaluation definition.

**API View**

A value of YES indicates the resource table can be referenced in an API SPECIFY VIEW command.

**Object Type**

The type of managed object, as one of the following:

- CICS Definition
- CICS Resource
- CICS Monitored
- CICSplex SM Definition
- CICSplex SM Configuration
- CICSplex SM Manager

- CICSplex SM MetaData
- CICSplex SM Notification

### Copybook identifier

A unique name for each copy book version of the resource table in each language. The copy book names take the form:

EYUtnnnn

where:

**t** Identifies which language the copy book supports, as one of the following:

**A** Assembler

**P** PL/I

**L** COBOL

**C** C

**nnnn** Is a 4-character numeric resource table identifier.

### Valid API Operations

Identifies which standard API operations (GET, SET, CREATE, UPDATE, and REMOVE) can be requested of the resource table.

### Valid CICS Management Client HTTP methods

Identifies which standard HTTP methods (DELETE, GET, POST, or PUT) can be requested of the resource table.

### Table Invalid CICSREL

For tables with an object type of CICS Definition or CICS Resource, the releases of CICS that do not support the managed object. The CICS release values are shown as follows:

**E620** CICS TS for z/OS Version 2 Release 2

**E630** CICS TS for z/OS Version 2 Release 3

**E640** CICS TS for z/OS Version 3 Release 1

**E650** CICS TS for z/OS Version 3 Release 2

**E660** CICS TS for z/OS Version 4 Release 1

**E670** CICS TS for z/OS Version 4 Release 2

**E680** CICS TS for z/OS Version 5 Release 1

### PARMS

For objects that require the PARM operand for standard API operations, the valid parameter values. The logical OR character (|) indicates values that are mutually exclusive.

### ACTION

The valid actions for the object. For tables with an object type of CICS Resource, CICS release restrictions, if any, are also shown.

### Active FEEDBACK Error Codes

The error codes and values that can appear in the FEEDBACK resource table when an error occurs for this object.

---

## Resource table attribute definitions

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

The attributes are presented in a tabular format that is consistent with the object type of the resource table. Different attribute characteristics may be shown based on the object type. The following list includes all the characteristic columns. The description of a characteristic indicates the object types to which the characteristic applies.

The characteristics of a resource table attribute are described below:

**Note:** If an attribute participates in the native key of the resource class, the attribute value is shown in reverse highlighting with a numeric value appended to the end for example, **Name-1**. When a resource class uses multiple attributes to identify its native key, the numeric value indicates which segment, in the range of 1 to 9, of the native key this attribute reflects.

**Name** A unique 1- to 12-character name, which is used to identify the attribute.

### Datatype

The data type of the values returned for this attribute. The data types identify the internal format of the data. When an attribute is accessed by the batched repository-update facility, the Web User Interface (WUI), or after conversion by a REXX **TPARSE** API command, the data is displayed in an appropriate formatted manner. When accessed by any other API command, the attribute value is presented in its unchanged internal form. The valid data type keywords are listed here.

When times are displayed as a formatted value, they can include fractions of a second. In the descriptions which follow, for times that include fractions of a second, *t* is tenths of seconds, *h* is hundredths of seconds, *m* is milliseconds, *i* is ten-thousandths of seconds, *j* is hundred-thousandths of seconds, and *u* is microseconds.

### Keyword

#### Description

#### ADDRESS

Storage Address. Displayed externally as a printable hexadecimal value.

#### AVERAGE

Average. Maintained internally as a binary value with a single implied decimal place. Displayed externally as a zoned decimal value of the form NNN.t.

#### AVERAGE3

Average. Maintained internally as a doubleword binary value with three implied decimal places. Displayed externally as a zoned decimal value of the form NNN.ttt.

#### BINARY

Binary value. Displayed externally as zoned decimal digits. The null value is binary zero.

#### BIT

Bit string. Maintained internally as a binary value. Displayed externally as a printable hexadecimal value.

**BITSTRIP**

Maintained internally as a binary value of a set of 32 flags.  
Displayed as single bit values or sequences of bits, separated by commas; for example 4-7, 9, 11-12, 15, 17, 19-20, 26-29.

**CHAR**

Character string. Maintained and displayed as the character data.  
The null value is blanks.

**CODEDBIN**

CICS coded Binary value. Displayed externally as zoned decimal digits, or a value of N/A if the value is -1.

**CVDAS**

CICS CVDA value. Maintained internally as an encoded binary integer. Displayed externally as a 16-character value.

**CVDAT**

CICS CVDA value Terminal Device Type. Maintained internally as an encoded binary integer. Displayed externally as a 16-character value.

**DATETIME**

Date Time Group. Maintained internally as a z Systems™ Store Clock value. Displayed externally as a 24-digit formatted value MT/DY/YYYY-HH:MM:SS.thmi. When specified in an RTA Evaluation definition (EVALDEF object), the fractions of a second (thmi) are not required. The other data must be entered exactly as specified with leading zeros, if necessary. For Assembler and COBOL resource tables, the CPSM translator generates a single doubleword (8 bytes) sized field definition. However, for PL/I and C resource tables a two-fullword array is generated for the DATETIME fields.

**DECDATE**

Date. Maintained internally as a 4-byte packed decimal field of the form 0CYYDDD+ where C is the century code, YY is the last two digits of the year, DD is the day number within the year, and + indicates a positive number. A century code of 0 indicates a year in the 20th century (19xx) and a century code of 1 indicates a year in the 21st century (20xx). Displayed as a character string of the form YYYY/DDD.

**DECIMAL**

Decimal value. Maintained internally in packed decimal form.  
Displayed externally as zoned decimal digits.

**DECTIME**

Time in units of tenths of a second. Maintained internally as a 4-byte packed decimal field of the form HHMMSSt+ where HH is the number of hours, MM is the number of minutes, SS is the number of seconds, t is the number of tenths of a second, and + indicates a positive number. Displayed as a character string of the form HH:MM:SS.

**DECTIMES**

Time in units of seconds. Maintained internally as a 4-byte packed decimal field of the form 0HHMMSS+ where HH is the number of hours, MM is the number of minutes, SS is the number of seconds, and + indicates a positive number. Displayed as a character string of the form HH:MM:SS.



**EYUDA**

CPSM value. Maintained internally as an encoded binary integer.  
Displayed externally as a 16-character value.

**HIDCHAR**

Hidden character string. Maintained as the character data.

**HEX**

Hexadecimal value. Maintained internally as a binary value.  
Displayed externally as a printable hexadecimal value. The null value is blanks.

**HHMM**

Hours and Minutes. Maintained internally as an encoded binary value. Displayed externally as 4 zoned decimal digits.

**INTSTCK**

Time Interval in System/390 form. Maintained internally as a binary value. Displayed externally as a 17-digit formatted value HHHH:MM:SS.thmiju (where t is tenths of seconds, h is hundredths of seconds, m is milliseconds, i is ten-thousandths of seconds, j is hundred-thousandths of seconds, and u is microseconds). The value is usually the result of an arithmetic operation (such as subtraction) being applied to System/390 Store Clock values. When specified in an RTA Evaluation definition (EVALDEF object), the fractions of a second (thmi) are not required. The other data must be entered exactly as specified with leading zeros, if necessary.

**INTUSEC**

Time Interval in microseconds. Maintained internally as a binary value. Displayed externally as a 17-digit formatted value HHHH:MM:SS.thmiju (where t is tenths of seconds, h is hundredths of seconds, m is milliseconds, i is ten-thousandths of seconds, j is hundred-thousandths of seconds, and u is microseconds). When specified in an RTA Evaluation definition (EVALDEF object), the fractions of a second (thmi) are not required. The other data must be entered exactly as specified with leading zeros, if necessary.

**INTMSEC**

Time Interval in milliseconds. Maintained internally as a binary value. Displayed externally as a 15-digit formatted value HHHH:MM:SS.thmi. When specified in an RTA Evaluation definition (EVALDEF object), the fractions of a second (thmi) are not required. The other data must be entered exactly as specified with leading zeros, if necessary.

**INTSEC**

Time Interval in seconds. Maintained internally as a binary value. Displayed externally as a 10-digit formatted value HHHH:MM:SS. When specified in an RTA Evaluation definition (EVALDEF object), the data must be entered exactly as specified with leading zeros, if necessary.

**INT16US**

Time Interval in 16 microseconds. Maintained internally as a binary value.

For attributes which have a length of 4 bytes, this is displayed externally as a 17-digit formatted value HH:MM:SS.thmiju (where t is tenths of seconds, h is hundredths of seconds, m is milliseconds, i is ten-thousandths of seconds, j is hundred-thousandths of

seconds, and u is microseconds). Note that the precision of the *HH* value is such that a wrap-around will occur in approximately 18 hours.

For attributes which have a length of 8 bytes, you can specify either *HH:MM:SS.thmiju*, or *HHHH:MM:SS.thmiju* in an RTA Evaluation definition (EVALDEF object).

When specified in an RTA Evaluation definition (EVALDEF object), the fractions of a second (*thmi*) are not required. The other data must be entered exactly as specified with leading zeros, if necessary.

#### PERCENT

Percentage. Maintained internally as a binary value with a single implied decimal place. Displayed externally as a zoned decimal value of the form *NNN.t*.

#### PERCENT3

Percentage. Maintained internally as a fullword binary value with three implied decimal places. Displayed externally as a zoned decimal value of the form *NNN.ttt*.

**RATE** Consumption rate. Maintained internally as a binary value with a single implied decimal place. Displayed externally as a zoned decimal value of the form *NNN.t*. The value presented describes the resource consumption over the sample period, which is expressed in seconds. For example, a rate of 1.5 is read as 1.5 consumption units per second.

#### RATE3

Consumption rate. Maintained internally as a doubleword binary value with three implied decimal places. Displayed externally as a zoned decimal value of the form *NNN.ttt*. The value presented describes the resource consumption over the sample period, which is expressed in seconds. For example, a rate of 1.575 is read as 1.575 consumption units per second.

#### RESTYPE

Resource type. Maintained internally as a binary value. Displayed externally as zoned decimal digits.

#### SCLOCK

CICS monitoring facility (CMF) 8 byte interval store clock. Maintained internally as a binary value.

The first 4 bytes contain the time accumulated by the clock, and they are displayed externally as a formatted value, with the default format *HH:MM:SS.thmi*. Note that for the standard SCLOCK, the capacity of the clock is such that a wrap-around will occur in approximately 19 hours.

The last 4 bytes contain a count of the measurement periods during which the time was accumulated. The count can also be displayed externally. In the **Monitor data for local or dynamic transactions** (MLOCTRAN) views, and the MLOCTRAN resource table, the count and time components are available as separate attributes. However, in other cases, the count is displayed externally by selecting the count formatting option for the attribute.

EXEC CPSM API programs have access to the entire internal SCLOCK data value, but REXX applications only have access to the first 4 bytes containing the time.

When specified in an RTA Evaluation definition (EVALDEF object), the last 4 bytes containing the count are not available. The other data must be entered in one of the following formats, with leading zeros, if necessary:

1. HH:MM:SS
2. HH:MM:SS.thmi
3. HHHH:MM:SS.thmi

For more information about clocks see the Clocks and time stamps in Reference -> Monitoring.

### SCLOCK12

CICS monitoring facility (CMF) 12 byte interval store clock. Maintained internally as a binary value.

The first 8 bytes contain the time accumulated by the clock, and they are displayed externally as a formatted value, with the default format HHHH:MM:SS.thmiju.

The last 4 bytes contain a count of the measurement periods during which the time was accumulated. The count can be displayed externally by selecting the count formatting option for the attribute.

EXEC CPSM API programs have access to the entire internal SCLOCK12 data value, but REXX applications only have access to the first 8 bytes containing the time.

When specified in an RTA Evaluation definition (EVALDEF object), the last 4 bytes containing the count are not available. The other data must be entered in one of the following formats, with leading zeros, if necessary:

1. HH:MM:SS
2. HH:MM:SS.thmi
3. HHHH:MM:SS.thmi
4. HHHH:MM:SS
5. HHHH:MM:SS.thmiju

Only the first **three** of these formats are compatible with earlier releases of CICSplex SM. If you need to use an Evaluation definition (EVALDEF object) involving SCLOCK12 data with an earlier release of CICSplex SM, do not use format 4 or 5. This applies to Evaluation definitions (EVALDEF object) installed directly on a back-level CICSplex SM system, and also to Evaluation definitions (EVALDEF object) installed as part of a batched repository update job (BATCHREP) or using the batch utility EYU9XDBT. For more information about clocks, see Clocks and time stamps in Reference -> Monitoring.

**SUM** Sum of values. Maintained internally as a binary value with a single implied decimal place. Displayed externally as a zoned decimal value of the form NNN.t.

### SUM3

Sum of values. Maintained internally as a doubleword binary value

with three implied decimal places. Displayed externally as a zoned decimal value of the form NNN.ttt.

#### **TIMESTP**

System/390 Timestamp. Maintained internally as a System/390 Store Clock value. Displayed externally as a 13-digit formatted value HH:MM:SS.thmi. When specified in an RTA Evaluation definition (EVALDEF object) the fractions of a second (thmi) are not required. The other data must be entered exactly as specified with leading zeros, if necessary.

#### **Source**

How the attribute value was acquired. The valid source keywords are:

##### **Keyword**

##### **Description**

##### **CPSM**

Using CICSplex SM services

**INQ** From CICS SPI Inquire

**STAT** From CICS SPI Statistics

**CMF** From CICS Monitor Performance class record

**Len** The internal length of the value for the attribute. All length values identify the number of bytes occupied by the attribute value, regardless of the datatype.

**Req** Whether the attribute is required when constructing an instance of a CPSM Definition. This column is only shown for the CPSM Definition object type.

A value of YES indicates that an attribute value must be provided when using the Batch Utility or the API **CREATE** or **UPDATE** commands to create object instances.

A value of n/a appears for the CREATETIME and CHANGETIME attributes only. This is because these attributes are required for the construction of a CPSM definition but are maintained internally by CICSplex SM. You should not attempt to change their value in any way.

**Sum** Identifies the default summary option that will be used if an API **GROUP** command is issued. The summary option may be changed by specifying a summary expression on the SUMOPT option of the GROUP command. The following summary options can be specified on the GROUP command:

##### **Keyword**

##### **Description**

**AVG** Average of values

**DIF** Different character pattern

**LIKE** Like values

**MIN** Minimum value

**MAX** Maximum value

**SUM** Sum of values

CICSplex SM notifications and the OBJSTAT resource table do not participate in summary operations. See Developing CICSplex SM applications in Developing system programs for more information about the OBJSTAT resource table.

**Set** Whether the attribute may be modified using the API **SET** command. A value of YES indicates modification is allowed. This column is only shown for CICS or Monitored CICS resources.

**Description**

1 to 30 characters of text that describes the attribute.

**Get/Set Invalid**

For CICS resource and CICS monitored objects, identifies releases of CICS that do not support either the attribute itself (if the heading is Get), or modification of the attribute (if the heading is Set). The CICS release values are shown as follows:

**E620** CICS TS for z/OS, Version 2.2

**E630** CICS TS for z/OS, Version 2.3

**E640** CICS TS for z/OS, Version 3.1

**E650** CICS TS for z/OS, Version 3.2

**E660** CICS TS for z/OS, Version 4.1

**E670** CICS TS for z/OS, Version 4.2

**E680** CICS TS for z/OS, Version 5.1

In addition, you might also see the release followed by PLUS; that is, E620PLUS, E630PLUS, E640PLUS, E650PLUS, E660PLUS, E670PLUS, or E680PLUS. This syntax means that the field is not valid for the specified release and all later releases.

**Default**

For CPSM Definition objects, the default value assumed for the attribute. If the attribute is required, an explicit value must be provided.

**Value Range**

For CPSM Definition objects, identifies the range of valid values that are accepted when an object of this type is created or updated.

**Attr ID**

The number of the attribute in the table. This is the "relative ID" used in processing ASYNCREQ and FEEDBACK data.

**Valid Values**

For attributes with a data type of EYUDA, CVDA, or CVDI, identifies the valid values for the attribute. Up to three different sets of values may be shown:

**Input Valid Values**

Values that can be specified in API actions or with the batched repository-update facility.

**Output Valid Values**

Values that can be tested in an Evaluation definition (EVALDEF object) or that may be visible when an instance of the object is fetched.

**Input<sup>△</sup>,Output Valid Values**

Values that are valid in both cases.

**Note:** For attributes with a datatype of CHAR, the value shown may be a valid value in a value range (as opposed to a character string).

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## CICSplex SM resource table descriptions - M to Z

The CICSplex SM resource table descriptions are listed in alphabetic order from M to Z. Each resource description includes the external resource name, the list of valid API operations, the valid CMCI HTTP methods, the error codes, and the resource attributes.

To look up resource tables from A to L, see CICSplex SM resource tables overview in Reference.

---

### MAPDEF Resource Table

A CICS Definition that describes a map set, which is a group of related screen layouts or maps.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

The following actions are supported:

#### INSTALL

Install a Map Set Definition.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

#### External resource name

CICSDefinitionMapSet

#### Length

168

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

#### API view

No

#### CMAS context

No

#### SCOPE applies

No

#### Only query CMASs in workload

No

#### Object type

CICS Definition

#### Copybook identifier

EYUt3805

Table 10. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No

Table 10. Valid CPSM operations (continued)

Operations	Actions	Parameters	Required
CREATE	INSTALL	CSDGROUP(value)	No
		RESGROUP(value)	No
		CSD	No
		RESGROUP(value)	No
UPDATE		CSD	No
REMOVE		CSD	No
PERFORM		FORCEINS(YES, NO)	No
SET		MODE(value)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No
		RELATED(value)	No
		STATECHK(YES, NO)	No
		TARGET(value)	Yes
		USAGE(LOCAL)	Yes
	ADDTGRP	RESGROUP(value)	Yes
	CSDINSTALL	None	N/A
	CSDCOPY	AS_RESOURCE(value)	No
		DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No

Table 11. MAPDEF FEEDBACK error codes

Value	Code	Description
1	MAPDEF_INV_DATA	Attribute data invalid
2	MAPDEF_REC_NOT_FOUND	Requested resource not found
4	MAPDEF_REC_EXISTS	Resource already exists
5	MAPDEF_REC_CHANGED	Resource definition already changed
6	MAPDEF_INV_RESTYPE	Invalid resource type
7	MAPDEF_INV_VER	Invalid resource version
11	MAPDEF_NON_MP	Maintenance point CMAS not available
12	MAPDEF_INV_CONTEXT	Context not found
13	MAPDEF_INCONSISTENT_SET	Inconsistent set condition
14	MAPDEF_INV_RESGROUP	Resource group not found
21	MAPDEF_INV_ACTION	Invalid action
22	MAPDEF_INV_RECADDR	Invalid record address
23	MAPDEF_INV_RECLEN	Invalid record length
24	MAPDEF_DIFF_VERSION	Different version
25	MAPDEF_EARLY_NAMELIST_END	Early name list end
26	MAPDEF_INV_NAMELIST	Invalid name list
27	MAPDEF_INV_NAME	Invalid name
28	MAPDEF_INV_MINNAME	Invalid minor name
29	MAPDEF_NOTIFY	Notify
30	MAPDEF_PARTIAL_INSTALL	Partial install
31	MAPDEF_NOTHING_INSTALLED	Nothing installed
32	MAPDEF_NO_TARGETS	No targets
33	MAPDEF_NO_RELATED	No related systems
34	MAPDEF_INV_TSCOPE	Invalid target scope
35	MAPDEF_INV_RSCOPE	Invalid related scope
36	MAPDEF_INV_USAGE	Invalid usage
37	MAPDEF_INV_MODE	Invalid mode



Table 11. MAPDEF FEEDBACK error codes (continued)

Value	Code	Description
38	MAPDEF_INV_STATECHK	Invalid state check
39	MAPDEF_INV_FORCEINS	Invalid force install
40	MAPDEF_INV_NOTIFY	Invalid notify
41	MAPDEF_INV_OVERTYPE	Invalid over type
42	MAPDEF_INV_OVRBLOCK	Invalid override block
43	MAPDEF_INV_ORSTRING	Invalid override string
44	MAPDEF_INV_STRNGTERM	Invalid string terminator
45	MAPDEF_INV_EMBEDTERM	Invalid embedded terminator
46	MAPDEF_INV_ATTRIBUTE	Invalid attribute
47	MAPDEF_INV_LITERAL	Invalid literal
48	MAPDEF_INV_ORSTGNA	Invalid override string
49	MAPDEF_SCOPE_REQUIRED	Scope required
50	MAPDEF_USAGE_CONFLICT	Usage conflict
51	MAPDEF_NODEFS_SELECTED	No definitions selected
52	MAPDEF_MORE_THAN_1_RELSYS	More than one related system
53	MAPDEF_MISSING_RELSYSID	Missing related system identifier
54	MAPDEF_SCOPE_CONFLICT	Scope conflict
55	MAPDEF_INV_CSDGROUP	Invalid CSD group
56	MAPDEF_REC_NOT_REMOVED	Record not removed
57	MAPDEF_INV_RESOURCE	Invalid resource
58	MAPDEF_INV_CICS_RESTYPE	Invalid CICS restype
59	MAPDEF_PARTIAL_ACTION	Partial action
60	MAPDEF_NOTHING_ACTIONED	Nothing actioned
61	MAPDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive
62	MAPDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
63	MAPDEF_CSD_ERROR	CSD access error

Table 12. MAPDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
CHANGEAGENT	CV DAS	CPSM	4	No	LIKE	Last modification agent			E640 E650	19
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	21
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification time				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	20
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				13
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	23
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		5
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		18
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				17
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name				7
RESIDENT	EYUDA	CPSM	4	Yes	LIKE	Residence status	NO			8
RESIDENT Input/output valid values	YES, NO									
RSL	CHAR	CPSM	8	No	DIFF	Resource security value	0	0-24	E330+	12

Table 12. MAPDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
RSL Input/output valid values	PUBLIC									
STATUS	CVDAS	CPSM	4	Yes	LIKE	Map set status	ENABLED			9
STATUS Input/output valid values	ENABLED, DISABLED									
USAGE	EYUDA	CPSM	4	Yes	LIKE	Map set storage release	NORMAL			10
USAGE Input/output valid values	NORMAL, TRANSIENT									
USELPACOPY	EYUDA	CPSM	4	Yes	LIKE	Use map set from link pack area (LPA) option	NO			11
USELPACOPY Input/output valid values	YES, NO									
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				14
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				15
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				16

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MAPINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a map set definition (MAPDEF) in a resource group (RESGROUP). A MAPDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is MAPGROUP.

The **Secondary** key field for this resource class is MAPNAME.

The **Tertiary** key field for this resource class is MAPVER.

There are no object specific actions for this resource class.

**External resource name**

**Length**

56

**Usage** API or Batch Utility or WUI

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**  
EYUt6150

*Table 13. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

*Table 14. MAPINGRP FEEDBACK error codes*

Value	Code	Description
1	MAPINGRP_INV_DATA	Attribute data invalid
2	MAPINGRP_REC_NOT_FOUND	Requested resource not found
4	MAPINGRP_REC_EXISTS	Resource already exists
6	MAPINGRP_INV_RESTYPE	Invalid resource type
7	MAPINGRP_INV_VER	Invalid resource version
11	MAPINGRP_NON_MP	Maintenance point CMAS not available
12	MAPINGRP_INV_CONTEXT	Context not found
21	MAPINGRP_INCONSISTENT_SET	Inconsistent set
22	MAPINGRP_DIFF_VERSION	Different version
23	MAPINGRP_INV_NAME	Invalid name
24	MAPINGRP_INV_MINNAME	Invalid minor name

*Table 15. MAPINGRP resource table attributes*

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>MAPGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name	5
<b>MAPNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	Map set definition name	6
<b>MAPVER-3</b>	BINARY	CPSM	1	Yes	AVG	Map set definition version	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## MAS Resource Table

A CPSM Topology Manager object that describes the attributes of a managed application system. A MAS is the run-time representation of a CICS system definition. MAS objects can be referenced even if the CICS system is not active.

The **Primary** key field for this resource class is CICSNAME.

The CICSNAME attribute key field is ignored when named in an EVALDEF. The object instances returned are a function of the current scope in effect when the request is made.

When the EVALDEF is used by MRM, the scope is that of the CICS system for which the RTADEF is being installed.

When the EVALDEF is used by APM, the scope is that established when the RTADEF was associated with the APSPEC.

The following action is supported:

**STOP**

Terminate the CICSplex SM MAS agent component.

The STOP action requires no unique parameter data.

**External resource name**

CICSManagedRegion

**Length**

472

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Manager

**Copybook identifier**

EYUt2443

Table 16. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM	STOP	None	N/A
SET			
	STOPUNCON	None	N/A
	FORCEDISCON	None	N/A
	CPSMDUMP	BAS	No
		CHE	No
		COM	No
		DAT	No
		KNL	No
		MAS	No
		MON	No
		MSG	No
		QUE	No
		RTA	No
		SIM	No
		SLM	No
		SRV	No

Table 16. Valid CPSM operations (continued)

Operations	Actions	Parameters	Required
		TOP	No
		TRC	No
		WLM	No

Table 17. MAS FEEDBACK error codes

Value	Code	Description
1	MAS_INV_DATA	Attribute data invalid
21	MAS_MONSPEC_MISSING	Monitor specification missing
22	MAS_RTASPEC_MISSING	RTA specification missing
23	MAS_WLMSPEC_MISSING	WLM specification missing
24	MAS_TOR_PARTICIPANT	TOR participant
25	STOPUNCON_REQUIRED	Issue StopUncon before ForceDiscon

Table 18. MAS resource table attributes

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
ACTVTIME	CHAR	CPSM	8	DIFF	Yes	Period definition name		51
AINSFALL	EYUDA	CPSM	4	LIKE	Yes	Autoinstall failure action		58
AINSFALL Input/output valid values	CONTINUE, PROMPT, SHUTDOWN, TERMINATE, N_A							
AUTOINST	EYUDA	CPSM	4	LIKE	Yes	Autoinstall request type		57
AUTOINST Input/output valid values	NEVER, ALWAYS, COLDONLY, WARMONLY, N_A							
BASTRACE	BITSTRIP	CPSM	4	AVG	Yes	Business Application Services (BAS) trace flags		34
BOTRSUPD	BINARY	CPSM	1	AVG	Yes	RS server bottom tier		66
CHETRACE	BITSTRIP	CPSM	4	AVG	Yes	Cache services trace flags		26
<b>CICSNAME-1</b>	CHAR	CPSM	8	DIFF	No	CICS system name		4
CICSSAMP	BINARY	CPSM	4	AVG	Yes	Sample interval for CICS region monitoring		12
CICSSTATE	EYUDA	CPSM	4	LIKE	No	MAS status		7
CICSSTATE Output valid values	ACTIVE, INACTIVE, LOSTCON, LOSTCMAS, LOSTMAS							
CMASNAME	CHAR	CPSM	8	DIFF	No	CMAS name		5
COMTRACE	BITSTRIP	CPSM	4	AVG	Yes	Communications trace flags		28
CONNSAMP	BINARY	CPSM	4	AVG	Yes	Sample interval for connection monitoring		15
CPSMVER	CHAR	CPSM	4	DIFF	No	CPSM version of MAS		72
DATTRACE	BITSTRIP	CPSM	4	AVG	Yes	Data repository services trace flags		33
DAYLGHTSV	EYUDA	CPSM	4	LIKE	Yes	Daylight saving time in effect		55
DAYLGHTSV Input/output valid values	YES, NO, N_A							
DBXSAMP	BINARY	CPSM	4	AVG	Yes	Sample interval for DB2/DBCTRL monitoring		14
DESC	CHAR	CPSM	58	DIFF	No	CICS system description		52
FILESAMP	BINARY	CPSM	4	AVG	Yes	Sample interval for file monitoring		16
GLBLSAMP	BINARY	CPSM	4	AVG	Yes	Sample interval for global region monitoring		13
HOST	CHAR	CPSM	116	DIFF	No	Host Name	E640 E650	60
JRNLSAMP	BINARY	CPSM	4	AVG	Yes	Sample interval for journal monitoring		17

Table 18. MAS resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
KNLTRACE	BITSTRIP	CPSM	4	AVG	Yes	Kernel linkage trace flags		22
MASTRACE	BITSTRIP	CPSM	4	AVG	Yes	MAS services trace flags		29
MASTYPE	EYUDA	CPSM	4	LIKE	No	MAS type		6
MASTYPE Output valid values	N_A, LOCAL, REMOTE							
MONSTATUS	EYUDA	CPSM	4	LIKE	Yes	Monitoring status		8
MONSTATUS Input/output valid values	YES, NO, FORCE, N_A							
MSGTRACE	BITSTRIP	CPSM	4	AVG	Yes	Message services trace flags		24
MXTACTION	CHAR	CPSM	8	DIFF	Yes	Action for CICS-at-maximum-tasks event		48
MXTSEV	EYUDA	CPSM	4	LIKE	Yes	Severity for CICS-at-maximum-tasks event		42
MXTSEV Input/output valid values	VLS, LS, LW, HW, HS, VHS, N_A							
NETWORKID	CHAR	CPSM	8	DIFF	No	Network ID	E640 E650	61
NRMACTION	CHAR	CPSM	8	DIFF	Yes	Action for Non-responsive-MAS event		71
NRMSEV	EYUDA	CPSM	4	LIKE	Yes	Severity for Non-responsive-MAS event		70
NRMSEV Input/output valid values	VLS, LS, LW, HW, HS, VHS, N_A							
PORT	CHAR	CPSM	8	DIFF	No	Port number	E640 E650	62
PRICMAS	CHAR	CPSM	8	DIFF	Yes	Primary CMAS name		50
PROGSAMP	BINARY	CPSM	4	AVG	Yes	Sample interval for program monitoring		18
QUETRACE	BITSTRIP	CPSM	4	AVG	Yes	Queue services trace flags		27
READRS	BINARY	CPSM	2	DIFF	Yes	RS server read interval		63
RETENTION	BINARY	CPSM	4	AVG	Yes	Monitoring data retention period		11
RTASTATUS	EYUDA	CPSM	4	LIKE	Yes	Real time analysis status		9
RTASTATUS Input/output valid values	YES, NO, SAM, MRM, N_A							
RTATRACE	BITSTRIP	CPSM	4	AVG	Yes	Real time analysis (RTA) trace flags		32
SAMACTION	CHAR	CPSM	8	DIFF	Yes	Action for system availability monitoring event		44
SAMSEV	EYUDA	CPSM	4	LIKE	Yes	Severity for system availability monitoring event		38
SAMSEV Input/output valid values	VLS, LS, LW, HW, HS, VHS, N_A							
SDMACTION	CHAR	CPSM	8	DIFF	Yes	Action for system dump event		46
SDMSEV	EYUDA	CPSM	4	LIKE	Yes	Severity for system dump event		40
SDMSEV Input/output valid values	VLS, LS, LW, HW, HS, VHS, N_A							
SECBYPASS	EYUDA	CPSM	4	LIKE	Yes	Simulated security exemption check		37
SECBYPASS Input/output valid values	YES, NO, N_A							
SECCMDCHK	EYUDA	CPSM	4	LIKE	Yes	Simulated security command check		35
SECCMDCHK Input/output valid values	YES, NO, N_A							

Table 18. MAS resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
SECRESCHK	EYUDA	CPSM	4	LIKE	Yes	Simulated security resource check		36
SECRESCHK Input/output valid values	YES, NO, N_A							
SOSACTION	CHAR	CPSM	8	DIFF	Yes	Action for short on storage (SOS) event		45
SOSSEV	EYUDA	CPSM	4	LIKE	Yes	Severity for short on storage (SOS) event		39
SOSSEV Input/output valid values	VLS, LS, LW, HW, HS, VHS, N_A							
SRVTRACE	BITSTRIP	CPSM	4	AVG	Yes	Common services trace flags		25
STLACTION	CHAR	CPSM	8	DIFF	Yes	Action for CICS-stalled event		49
STLSEV	EYUDA	CPSM	4	LIKE	Yes	Severity for CICS-stalled event		43
STLSEV Input/output valid values	VLS, LS, LW, HW, HS, VHS, N_A							
TDMACTION	CHAR	CPSM	8	DIFF	Yes	Action for transaction dump event		47
TDMSEV	EYUDA	CPSM	4	LIKE	Yes	Severity for transaction dump event		41
TDMSEV Input/output valid values	VLS, LS, LW, HW, HS, VHS, N_A							
TDQSAMP	BINARY	CPSM	4	AVG	Yes	Sample interval for TDQ monitoring		20
TERMSAMP	BINARY	CPSM	4	AVG	Yes	Sample interval for terminal monitoring		19
TMEZONE	CHAR	CPSM	1	DIFF	Yes	Time zone		54
TMEZONEO	BINARY	CPSM	1	AVG	Yes	Time zone offset		53
TOPRSUPD	BINARY	CPSM	1	AVG	Yes	RS server top tier		65
TOPTRACE	BITSTRIP	CPSM	4	AVG	Yes	Topology trace flags		31
TRANSAMP	BINARY	CPSM	4	AVG	Yes	Sample interval for transaction monitoring		21
TRATRACE	BITSTRIP	CPSM	4	AVG	Yes	Trace services trace flags		23
UPDATERS	BINARY	CPSM	1	AVG	Yes	RS server update frequency		64
WLMOPTEN	EYUDA	CPSM	4	LIKE	Yes	WLM optimization enablement		69
WLMOPTEN Input/output valid values	ENABLED, DISABLED, N_A							
WLMQMODE	EYUDA	CPSM	4	DIFF	Yes	Task load queue mode		68
WLMQMODE Input/output valid values	ALL, MAXTASK, N_A							
WLMSTATUS	EYUDA	CPSM	4	LIKE	Yes	Workload manager status		10
WLMSTATUS Input valid values	YES							
WLMSTATUS Output valid values	YES, NO, N_A							
WLMTHRSH	BINARY	CPSM	1	AVG	Yes	Task load health threshold		67
WLMTRACE	BITSTRIP	CPSM	4	AVG	Yes	Workload management trace flags		30

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MASHIST Resource Table

A CICSplex SM Operations Resource that describes the state of CICSplex SM history recording for a MAS.

The MASHIST resource does not provide an explicit key attribute. The set of object instances returned is a function of the scope in effect when the request is made.

**External resource name**

CICSTaskHistoryCollection

**Length**

64

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0153

Table 19. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	SUSPEND	None	N/A
SET	RESUME	None	N/A

Table 20. MASHIST FEEDBACK error codes

Value	Code	Description
1	INVALID_CPSM_RELEASE	Action not supported for CPSM release
2	MASHIST_STATUS_INACTV	Action not supported for an inactive history collector

Table 21. MASHIST resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
CDSSUF	CHAR	CPSM	1	DIFF	Current data set suffix	6
CRECCNT	BINARY	CPSM	8	MAX	Number of records on current data set	3
CWRAPCNT	BINARY	CPSM	4	MAX	Number of times current data set has wrapped	4
HDSCOUNT	BINARY	CPSM	2	MAX	Number of History data sets	5



Table 21. MASHIST resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
REASON	EYUDA	CPSM	4	LIKE	History reason code	2
REASON Output valid values	OK, NOTAVAILABLE, INVALIDFILE, IOERROR					
RESERVED1	CHAR	CPSM	1	LIKE	Reserved area for expansion	8
RESERVED2	BINARY	CPSM	4	LIKE	Reserved area for expansion	9
RESERVED3	BINARY	CPSM	4	LIKE	Reserved area for expansion	10
RESERVED4	BINARY	CPSM	4	LIKE	Reserved area for expansion	11
RESERVED5	BINARY	CPSM	4	LIKE	Reserved area for expansion	12
RESERVED6	BINARY	CPSM	4	LIKE	Reserved area for expansion	13
STATUS	EYUDA	CPSM	4	LIKE	History recorder status	1
STATUS Output valid values	ACTIVE, INACTIVE, SUSPEND, SUSPENDING, RESUMING					
TASKNO	DECIMAL	CPSM	4	MAX	Task ID of Current Recorder	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MASQRYER Resource Table

This CICS resource object provides information about CMASes and MASes which failed to respond to a GET, PERFORM OBJECT, PERFORM SET, REFRESH, or SET command targeting a CICS operate resource table.

The **Primary** key field for this resource class is CICSTYPE.

The **Secondary** key field for this resource class is CICSNAME.

This resource class has no object specific actions.

**External resource name**

**Length**

24

**Usage** API

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Metadata

**Copybook identifier**

EYUt2639

Table 22. Valid CPSM operations

Operations	Actions	Parameters	Required
Not applicable			

Table 23. MASQRYER resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
<b>CICSNAME-2</b>	CHAR	CPSM	8	LIKE	CICS system name	5
<b>CICSTYPE-1</b>	CHAR	CPSM	1	LIKE	CICS region type	7
CICSTYPE-1 Input/output valid values	C, M					
ERRORTYPE	EYUDA	CPSM	4	LIKE	Error type	6
ERRORTYPE Output valid values	MODBNOTACTIVE, PRIVATEMETHOD, METHODLOCKED, ENVIRONTIMEOUT, ENVIRONCANCEL, STARTFAILED, STACKTOOLARGE, OVERFLOWOSSBFAIL, BADMALTRANSFER, TRANSMITTIMEOUT, EXECUTETIMEOUT, TRANSMITFAILED, TARGETUNAVAIL, SECVIOLATION, MALRETURNFAILED, MAXHISTORYRECS, REQNOTPROCED, NOTAUTHORIZED, SECINTERFACEFAIL					
PLEXNAME	CHAR	CPSM	8	LIKE	CICSplex name	4

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MASSTAT Resource Table

A CICSplex SM Operations Resource that displays information about the join status of CICS systems in each CMAS in a CICSplex.

The **Primary** key field for this resource class is CICSNAME.

The **Secondary** key field for this resource class is RPTCMAS.

There are no object specific actions for this resource class.

**External resource name**

CICSManagedRegionStatus

**Length**

96

**Usage** API or WUI or CICS Management Client Interface

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Manager

**Copybook identifier**

EYUt2640

Table 24. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 25. MASSTAT resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
<b>CICSNAME-1</b>	CHAR	CPSM	8	DIFF	CICS system name	4
CICSSTATE	EYUDA	CPSM	4	LIKE	MAS status	7
CICSSTATE Output valid values	ACTIVE, INACTIVE, LOSTCON, LOSTCMAS, LOSTMAS					
CMASNAME	CHAR	CPSM	8	DIFF	CMAS name	5
DESC	CHAR	CPSM	58	DIFF	CICS system description	9
MASTYPE	EYUDA	CPSM	4	LIKE	MAS type	6
MASTYPE Output valid values	N_A, LOCAL, REMOTE					
<b>RPTCMAS-2</b>	CHAR	CPSM	8	DIFF	Reporting CMAS name	8

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MCICSDSA Resource Table

A CICS Monitored resource that describes a subset of the dynamic storage are attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is NAME.

The following actions are supported:

#### DISCARD

Remove the Monitored resource instance.

#### RESET

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

#### External resource name

#### Length

208

**Usage** API or WUI or EVALDEF

#### API view

Yes

#### CMAS context

No

#### SCOPE applies

Yes

#### Only query CMASs in workload

No

#### Object type

CICS Monitored

**Copybook identifier**  
EYUt1367

*Table 26. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

*Table 27. MCICSDSA FEEDBACK error codes*

Value	Code	Description
9	MCICSDSA_NO_MON_DATA	No data for monitored resource
10	MCICSDSA_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

*Table 28. MCICSDSA resource table attributes*

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
ACCESSTYPE	EYUDA	STAT	4	LIKE	Storage key	25
ACCESSTYPE Output valid values	CICS, USER, READONLY					
ASUBTOTL	CNUMERIC	STAT	4	AVG	Number of Add Subpool requests	8
CUMCMNSSUSRS	CNUMERIC	STAT	4	AVG	Cumulative number of common subspace users	39
CUMUNQSSUSRS	CNUMERIC	STAT	4	AVG	Cumulative number of unique subspace users	36
CURCMNSSUSRS	CNUMERIC	STAT	4	AVG	Current number of common subspace users	38
CURFRESTG	PERCENT	CPSM	4	AVG	Free storage for current sample (%)	20
CURRALLOC	CNUMERIC	STAT	4	AVG	Current DSA allocated above/below 16M line	41
CURUNQSSUSRS	CNUMERIC	STAT	4	AVG	Current tasks allocated a unique subspace	35
CUSHION	BINARY	STAT	4	MAX	Cushion size	4
DSUBTOTL	CNUMERIC	STAT	4	AVG	Number of Delete Subpool requests	9
FREMTOTL	BINARY	STAT	4	AVG	Number of FREEMAIN requests	7
GETMTOTL	BINARY	STAT	4	AVG	Number of GETMAIN requests	6
HWMALLOC	CNUMERIC	STAT	4	AVG	Peak DSA allocated above/below 16M line	42
HWMCMNSSUSRS	CNUMERIC	STAT	4	AVG	Peak number of common subspace users	40
HWMFREE	CNUMERIC	CPSM	4	AVG	Peak amount of free storage available	33
HWMUNQSSUSRS	CNUMERIC	STAT	4	AVG	Peak number of unique subspace users	37
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval ID	1
INTFRESTG	PERCENT	CPSM	4	AVG	Free storage for monitor interval (%)	21
LIMIT	CNUMERIC	STAT	4	AVG	Maximum size of DSA	27
LOCATION	EYUDA	STAT	4	LIKE	Dynamic storage area (DSA) location	24
LOCATION Output valid values	ABOVE, BELOW, NOTAPPLIC					

Table 28. MCICSDSA resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
LWMFREE	CNUMERIC	CPSM	4	AVG	Smallest amount of free storage available	34
<b>NAME-1</b>	CHAR	STAT	8	DIFF	Dynamic storage area (DSA)	2
NSTGTOTL	CNUMERIC	STAT	4	AVG	Number of times NOSTORAGE returned	10
NSTGTSUSP	BINARY	STAT	4	AVG	Number of current suspended storage requests	13
PCTFREE	PERCENT	CPSM	4	AVG	Percentage of available total storage	29
PGMONIU	CNUMERIC	STAT	4	AVG	Storage occupied by not-in-use programs	5
POOLPCTFREE	PERCENT	CPSM	4	AVG	Percentage of available pool storage	28
REQSWAITMVS	BINARY	STAT	4	AVG	Number of requests for MVS storage causing wait	43
RNTPGPROTECT	CVDAS	STAT	4	LIKE	Reentrant program protection status	31
RNTPGPROTECT Output valid values	REENTPROT, NOREENTPROT					
SIZE	BINARY	STAT	4	MAX	DSA Size	3
STGCRELC	BINARY	STAT	4	AVG	Number of times cushion released	15
STGFSIZE	BINARY	STAT	4	MAX	Free storage size	18
STGSHWM	BINARY	STAT	4	AVG	Peak size of DSA	26
STGLSIZE	CNUMERIC	STAT	4	AVG	Largest free area size	22
STGNSUBP	BINARY	STAT	4	AVG	Number of current subpools	17
STGPROTECT	CVDAS	STAT	4	LIKE	Storage protection active	30
STGPROTECT Output valid values	ACTIVE, INACTIVE					
STGPWCNT	CNUMERIC	STAT	4	AVG	Number of tasks purged while waiting	14
STGSHWM	BINARY	STAT	4	AVG	Peak number of suspended storage requests	12
STGSOSC	CNUMERIC	STAT	4	SUM	Short on storage count	16
STGSOST	INTTSTP	STAT	8	SUM	Total time CICS was short on storage	19
STGSTOTL	BINARY	STAT	4	AVG	Number of times requests were suspended	11
STGVTOTL	CNUMERIC	STAT	4	AVG	Number of storage violations	23
TIMWAITMVS	INTTSTP	STAT	8	AVG	Total time waiting for MVS storage	44
TRNISOLATION	CVDAS	STAT	4	LIKE	Transaction isolation status	32
TRNISOLATION Output valid values	ACTIVE, INACTIVE					

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MCICSRGN Resource Table

A CICS Monitored resource that describes a subset of the CICS region attributes sampled by the CICSplex SM MAS Monitor agents.

The MCICSRGN resource class does not provide an explicit key attribute. The set of object instances returned is a function of the current scope in effect when the request is made.

The following actions are supported:

**DISCARD**

Remove the Monitored resource instance.

**RESET**

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

**External resource name****Length**

440

**Usage** API or WUI or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Monitored

**Copybook identifier**

EYUt1366

Table 29. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 30. MCICSRGN FEEDBACK error codes

Value	Code	Description
9	MCICSRGN_NO_MON_DATA	No data for monitored resource
10	MCICSRGN_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 31. MCICSRGN resource table attributes

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name		
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release		
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved		
AINSCREQ	CNUMERIC	INQ	4	AVG	Number of current autoinstall requests		10
AINSMREQ	CNUMERIC	INQ	4	AVG	Maximum number of autoinstall requests		11
AINSTAT	CVDAS	INQ	4	LIKE	Autoinstall enabled status		12
AINSTAT Output valid values	ENABLED, DISABLED						

Table 31. MCICSRGN resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
AMAXTASKS	BINARY	INQ	4	SUM	Maximum number of active tasks	E410+	4
CICSSTATUS	CVDAS	INQ	4	LIKE	CICS status		6
CICSSTATUS Output valid values	STARTUP, ACTIVE, FIRSTQUIESCE, FINALQUIESCE						
CPUTIME	INTUSEC	CPSM	8	AVG	Total CPU time used		48
CTSLEVEL	CHAR	INQ	6	DIFF	CICS Transaction Server level		101
CURACTVUSRTR	CNUMERIC	STAT	4	AVG	Current number of active user transactions		76
CURAMAXRATE	RATE	CPSM	4	AVG	AMAX rate for current sample	E410+	22
CURCPUPER	PERCENT	CPSM	4	AVG	CPU usage during last sample period		49
CURPAMAXRATE	RATE	CPSM	4	AVG	Peak AMAX rate for current sample	E410+	24
CURPGIRATE	RATE	CPSM	4	AVG	Page-in rate for current sample		52
CURPGORATE	RATE	CPSM	4	AVG	Page-out rate for current sample		55
CURPTSKRATE	RATE	CPSM	4	AVG	Peak task rate for current sample		18
CURQUEDUSRTR	CNUMERIC	STAT	4	AVG	Current number of queued user transactions		77
CURQUETIME	INTTSTP	STAT	8	AVG	Time currently queued transactions waiting		83
CURRAMAX	CNUMERIC	STAT	2	AVG	Current number of user tasks eligible for dispatch	E410+	21
CURRTASKS	BINARY	INQ	4	SUM	Current number of tasks		74
CURSIORATE	RATE	CPSM	4	AVG	Start I/O rate for current sample		59
CURTASKRATE	RATE	CPSM	4	AVG	Task rate for current sample		16
CUTCBCNT	CNUMERIC	STAT	2	SUM	Number of MVS task control blocks (TCBs)		15
DSGTOTMT	INTTSTP	STAT	8	AVG	Total MVS storage wait time		103
DSGTOTMW	BINARY	STAT	4	AVG	Total number of MVS storage waiters		104
EXTSEC	CVDAS	INQ	4	LIKE	External security manager option		8
EXTSEC Output valid values	EXTSECURITY, NOSECURITY						
INTAMAXRATE	RATE	CPSM	4	AVG	AMAX rate for interval	E410+	23
INTCPUPER	PERCENT	CPSM	4	AVG	Average CPU usage over monitor interval		50
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval ID		1
INTPAMAXRATE	RATE	CPSM	4	AVG	Peak AMAX rate for interval	E410+	25
INTPGIRATE	RATE	CPSM	4	AVG	Page-in rate for monitor interval		53
INTPGORATE	RATE	CPSM	4	AVG	Page-out rate for monitor interval		56
INTPTSKRATE	RATE	CPSM	4	AVG	Peak task rate for interval		19
INTSIORATE	RATE	CPSM	4	AVG	Start I/O rate for monitor interval		60
INTTASKRATE	RATE	CPSM	4	AVG	Task rate for interval		17
INTVTRANS	CNUMERIC	STAT	4	AVG	Transactions run since last CPSM statistics reset		98
IRCSTAT	CVDAS	INQ	4	LIKE	Interregion communication (IRC) status		13
IRCSTAT Output valid values	OPEN, CLOSED, CLOSING, IMMCLOSING						
JOBNAME	CHAR	INQ	8	DIFF	Job name		2
LASTRESET	TIMESTP	STAT	8	MAX	Last statistics reset time		29
LOADHWMC	CNUMERIC	STAT	4	AVG	Number of times peak suspended tasks reached		35

Table 31. MCICSRGN resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
LOADHWMW	CNUMERIC	STAT	4	AVG	Peak number of tasks waiting for load requests		34
LOADPNIU	CNUMERIC	STAT	4	AVG	Number of programs on not-in-use queue		40
LOADREQS	CNUMERIC	STAT	4	AVG	Number of load requests		28
LOADRNIU	CNUMERIC	STAT	4	AVG	Number of reclaims from not-in-use queue		41
LOADTIME	INT16US	STAT	4	AVG	Total loading time		30
LOADTNIU	INT16US	STAT	8	AVG	Total time to remove not-in-use programs		39
LOADWAIT	INT16US	STAT	4	AVG	Total load waiting time		36
LOADWCNT	CNUMERIC	STAT	4	AVG	Number of tasks that have waited for load requests		33
LUCURR	CNUMERIC	STAT	4	AVG	Number of LUs currently logged on		67
LUHWM	CNUMERIC	STAT	4	AVG	Highest number of LUs logged on at any one time		68
MAXTASKS	BINARY	INQ	4	AVG	Maximum number of active and suspended tasks		5
MAXTRCNT	BINARY	STAT	4	AVG	Number of times MAXTASK limit reached		75
MROBATCH	BINARY	INQ	4	AVG	Number of MRO requests to be batched		9
MVSSYSID	CHAR	CPSM	4	DIFF	MVS system ID		3
OSLEVEL	CHAR	INQ	6	DIFF	z/OS level		102
PAGEIN	BINARY	CPSM	4	AVG	Number of page-in requests		51
PAGEOUT	BINARY	CPSM	4	AVG	Number of page-out requests		54
PEAKAMAX	CNUMERIC	STAT	2	AVG	Peak number of user tasks eligible for dispatch	E410+	26
PEAKTASKS	BINARY	STAT	2	AVG	Peak number of tasks in system		20
PEACTVUSRTR	CNUMERIC	STAT	4	AVG	Peak number of active user transaction		78
PEKQUEDUSRTR	CNUMERIC	STAT	4	AVG	Peak number of queued user transactions		79
PLASTRESET	DECTIME	STAT	4	AVG	Last reset time		100
PRGMRCMP	CNUMERIC	STAT	4	AVG	Number of programs removed by compression		38
PRGMUCNT	CNUMERIC	STAT	4	AVG	Number of uses of any program by the CICS system		31
PRGMWAIT	CNUMERIC	STAT	4	AVG	Current number of waiting loader requests		32
PROGAUTOATTM	CNUMERIC	STAT	4	AVG	Number of program autoinstall attempts		84
PROGAUTOFAIL	CNUMERIC	STAT	4	AVG	Number of failed program autoinstall attempts		86
PROGAUTOXREJ	CNUMERIC	STAT	4	AVG	Number of times autoinstall prog request rejected		85
PRSSERRORCNT	CNUMERIC	STAT	4	AVG	Persistent sessions error count		73
PRSSINQCNT	CNUMERIC	STAT	4	AVG	Number of CICS persistent-session inquiries		69
PRSSNIBCNT	CNUMERIC	STAT	4	AVG	Number of VTAM sessions that persisted		70
PRSSOPNCNT	CNUMERIC	STAT	4	AVG	Number of persistent sessions successfully restored		71
PRSSUNBNCNT	CNUMERIC	STAT	4	AVG	Number of persistent sessions that were terminated		72



Table 31. MCICSRGN resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
RDEBRBLD	CNUMERIC	STAT	4	AVG	Number of times DFHRPL reopened and load retried		37
REALSTG	CNUMERIC	CPSM	4	AVG	Real storage in use		57
RELEASE	CHAR	INQ	4	DIFF	CICS Release		97
SDMPSUPP	CNUMERIC	STAT	4	AVG	Number of system dumps suppressed		43
SDMPTOTL	CNUMERIC	STAT	4	AVG	Number of system dumps taken		42
SIORREQ	BINARY	CPSM	8	AVG	Number of I/O requests		58
STRTTIME	TIMESTP	CPSM	8	MAX	CICS start time		47
SYSDUMP	CVDAS	INQ	4	LIKE	System dump status		7
SYSDUMP Output valid values	SYSDUMP, NOSYSDUMP						
SYSID	CHAR	CPSM	4	DIFF	CICS system ID		46
TDMPSUPP	CNUMERIC	STAT	4	AVG	Number of transaction dumps suppressed		45
TDMPTOTL	BINARY	STAT	4	AVG	Number of transaction dumps taken		44
TOTACTVUSRTR	CNUMERIC	STAT	4	AVG	Total number of active user transactions		80
TOTDELYUSRTR	CNUMERIC	STAT	4	AVG	Total number of queued user transactions		81
TOTLTASKS	BINARY	STAT	8	AVG	Total number of tasks		99
TOTQUETIME	INTTSTP	STAT	8	AVG	Total time queued transactions waited		82
VTMACBDOPE	CNUMERIC	STAT	2	AVG	Number of times VTAM ACB dynamically opened		65
VTMRPLMAX	DECIMAL	STAT	4	AVG	Number of times RPL maximum value was reached		62
VTMRPLPOST	DECIMAL	STAT	2	AVG	Maximum number of VTAM RPLs posted		63
VTMSOSCNT	CNUMERIC	STAT	2	AVG	Number of times VTAM had short-on-storage status		64
VTMSTATUS	CVDAS	INQ	4	LIKE	CICS-VTAM connection status		61
VTMSTATUS Output valid values	OPEN, CLOSED, CLOSING, IMMCLOSING, FORCECLOSING, NOTAPPLIC						

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MCMDT Resource Table

A CICS Monitored resource that describes a subset of the data table attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is FILE.

The following actions are supported:

#### DISCARD

Remove the Monitored resource instance.

#### RESET

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

**External resource name**

**Length**

312

**Usage** API or WUI or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Monitored

**Copybook identifier**

EYUt1399

*Table 32. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

*Table 33. MCMDT FEEDBACK error codes*

Value	Code	Description
9	MCMDT_NO_MON_DATA	No data for monitored resource
10	MCMDT_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

*Table 34. MCMDT resource table attributes*

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
ADDCNT	BINARY	STAT	4	AVG	Number of add requests	16
ADDFRREAD	CNUMERIC	STAT	4	AVG	Add requests resulting from reads	34
ADDREJ	CNUMERIC	STAT	4	AVG	Add requests rejected by exit	36
ADDREQ	CNUMERIC	STAT	4	AVG	Total add requests	35
ADDTFULL	CNUMERIC	STAT	4	AVG	Total add requests when table full	37
BROWSECNT	BINARY	STAT	4	AVG	Number of browse requests	15
CONTENTION	CNUMERIC	STAT	4	AVG	CFDT contention count	62
CURCOUNT	CNUMERIC	STAT	4	AVG	Current record count	44
CURDEXCPRATE	RATE	CPSM	4	AVG	VSAM data EXCP rate current sample	24
CURIEXCPRATE	RATE	CPSM	4	AVG	VSAM index EXCP rate current sample	26

Table 34. MCMDT resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
CURMRQRATE	RATE	CPSM	4	AVG	MDT request rate for current sample	42
CURREADRATE	RATE	CPSM	4	AVG	Successful read rate current sample	31
CURREQRATE	RATE	CPSM	4	AVG	Request rate for current sample	20
DELETREQ	CNUMERIC	STAT	4	AVG	Total delete requests	39
DEXPCNT	BINARY	STAT	4	AVG	VSAM EXCP count data component	22
DSNAME	CHAR	INQ	44	DIFF	Data set name	4
ENABLESTATUS	CVDAS	INQ	4	LIKE	Enabled status	5
ENABLESTATUS Output valid values	ENABLED, DISABLED, UNENABLED, DISABLING, UNENABLING					
<b>FILE-1</b>	CHAR	INQ	8	DIFF	File identifier	2
GETCNT	BINARY	STAT	4	AVG	Number of get requests	13
GETUPDCNT	BINARY	STAT	4	AVG	Number of get update requests	14
IEXPCNT	BINARY	STAT	4	AVG	VSAM EXCP count INDX component	23
INTDEXCPRATE	RATE	CPSM	4	AVG	VSAM data EXCP rate for interval	25
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval identifier	1
INTIEXCPRATE	RATE	CPSM	4	AVG	VSAM index EXCP rate for interval	27
INTMRQRATE	RATE	CPSM	4	AVG	MDT request rate for interval	43
INTREADRATE	RATE	CPSM	4	AVG	Successful read rate for interval	32
INTREQRATE	RATE	CPSM	4	AVG	Request rate for interval	21
LOCDELCNT	BINARY	STAT	4	AVG	Number of local delete requests	18
LSRPOOLID	BINARY	INQ	2	MAX	LSR Pool number	54
MAXNUMRECS	BINARY	INQ	4	AVG	Maximum records table can hold	6
MAXTSIZE	CNUMERIC	STAT	4	AVG	Highest table size	40
NUMACTSTRING	CNUMERIC	STAT	2	AVG	Number of active strings	57
NUMDATBUFF	CNUMERIC	STAT	2	AVG	Number of data buffers	55
NUMINDEXBUFF	CNUMERIC	STAT	2	AVG	Number of index buffers	56
NUMSTRINGWT	CNUMERIC	STAT	2	AVG	Number of active string waits	58
OPENSTATUS	CVDAS	INQ	4	LIKE	Open status	7
OPENSTATUS Output valid values	OPEN, CLOSED, OPENING, CLOSING, CLOSEREQUEST					
POOLNAME	CHAR	INQ	8	DIFF	CFDT pool name	59
READRETRY	CNUMERIC	STAT	4	AVG	Read retries	45
READS	CNUMERIC	STAT	4	AVG	Successful reads	30
RECNOTFND	CNUMERIC	STAT	4	AVG	Total records not found in table	33
RECORDSIZE	BINARY	INQ	4	AVG	Record size	8
REWRITE	CNUMERIC	STAT	4	AVG	Total rewrite requests	38
STGALCINU	CNUMERIC	STAT	4	AVG	Total storage in use	47
STGALCTOT	CNUMERIC	STAT	4	AVG	Total storage allocated	46
STGDTAINU	CNUMERIC	STAT	4	AVG	Data storage in use	53
STGDTATOT	CNUMERIC	STAT	4	AVG	Data storage allocated	52
STGENTINU	CNUMERIC	STAT	4	AVG	Entries storage in use	49
STGENTTOT	CNUMERIC	STAT	4	AVG	Entries storage allocated	48
STGIDXINU	CNUMERIC	STAT	4	AVG	Index storage in use	51
STGIDXTOT	CNUMERIC	STAT	4	AVG	Index storage allocated	50
STRINGS	BINARY	INQ	4	AVG	Strings	9
TABLE	CVDAS	INQ	4	LIKE	Data table indicator	10
TABLE Output valid values	CICSTABLE, USERTABLE, CFTABLE, NOTTABLE					
TABlename	CHAR	INQ	8	DIFF	CFDT table name	60
TIMECLOSE	DECTSTP	STAT	4	MAX	Time closed	11
TIMEOPEN	DECTSTP	STAT	4	MAX	Time opened	12

Table 34. MCMDT resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
TOTLREQCNT	SUM	STAT	4	AVG	Sum of all requests	19
TOTMREQCNT	SUM	STAT	4	AVG	Sum of all MDT requests	41
UPDATECNT	BINARY	STAT	4	AVG	Number of update requests	17
VSAMTYPE	CVDAS	INQ	4	LIKE	VSAM file type	3
VSAMTYPE Output valid values	ESDS, KSDS, RRDS					
WSTRCCURCNT	BINARY	STAT	4	AVG	Wait on string maximum concurrent count	29
WSTRCNT	BINARY	STAT	4	AVG	Wait on string total count	28

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MCONNECT Resource Table

A CICS Monitored resource that describes a subset of the connection attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is NAME.

The following actions are supported:

**DISCARD**

Remove the Monitored resource instance.

**RESET**

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

**External resource name**

**Length**

216

**Usage** API or WUI or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Monitored

**Copybook identifier**

EYUt1370

Table 35. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 36. MCONNECT FEEDBACK error codes

Value	Code	Description
9	MCONNECT_NO_MON_DATA	No data for monitored resource
10	MCONNECT_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 37. MCONNECT resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
ACCESSMETHOD	CVDAS	INQ	4	LIKE	Access method	7
ACCESSMETHOD Output valid values	VTAM, IRC, INDIRECT, XM					
AIDS	BINARY	STAT	2	AVG	Number of automatic initiate descriptors (AIDs)	9
ALLOCATES	BINARY	STAT	4	AVG	Total number of allocate requests	16
ALLOCQLIMIT	CNUMERIC	STAT	2	AVG	Allocate queue limit (QUEUELIMIT)	36
ATISBPRI	BINARY	STAT	4	AVG	Number of ATIs satisfied by primary sessions	11
ATISBSEC	BINARY	STAT	4	AVG	Number of ATIs satisfied by secondary sessions	13
BIDSENT	BINARY	STAT	4	AVG	Total number of bids sent	15
CONCURBIDS	BINARY	STAT	2	AVG	Number of bids currently in progress	28
CONNCREATIME	TIMESTP	STAT	8	MAX	Local connection create time	45
CONNDELETIME	TIMESTP	STAT	8	MAX	Local connection delete time	47
CONNSTATUS	CVDAS	INQ	4	LIKE	Connection status	6
CONNSTATUS Output valid values	RELEASED, OBTAINING, ACQUIRED, FREEING, AVAILABLE					
CURFCFSRATE	RATE	CPSM	4	AVG	File Control ship rate for current sample	29
DLIFUNCSHIP	BINARY	STAT	4	AVG	Number of DL/I function ships	25
DPLFUNCSHIP	BINARY	STAT	4	AVG	Number of Distributed Program Link function ships	52
EXIT_REJALLC	CNUMERIC	STAT	4	AVG	Allocates rejected because QUEUELIMIT reached	31
FAILEDOOTHERS	BINARY	STAT	4	AVG	Number of allocate requests with other failure	20
FAILINKALLOC	BINARY	STAT	4	AVG	Number of allocate requests with link failure	19
FCFUNCSHIP	BINARY	STAT	4	AVG	Number of File Control function ships	21
GMTCREATIME	TIMESTP	STAT	8	MAX	GMT connection create time	44
GMTDELETIME	TIMESTP	STAT	8	MAX	GMT connection delete time	46
ICFUNCSHIP	BINARY	STAT	4	AVG	Number of Interval Control function ships	22
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval ID	1

Table 37. MCONNECT resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
INTFCFSRATE	RATE	CPSM	4	AVG	File Control ship rate for interval	30
MAXBIDS	BINARY	STAT	4	AVG	Maximum number of concurrent bids	14
MAXPRIMARIES	CNUMERIC	STAT	2	AVG	Peak number of primary sessions in use	27
MAXQTALLCPRG	CNUMERIC	STAT	2	AVG	Number of allocates purged when MAXQTIME exceeded	41
MAXQTIME	CNUMERIC	STAT	2	AVG	Maximum queue time	35
MAXQTPURGCNT	CNUMERIC	STAT	2	AVG	Number of allocate queue purges due to MAXQTIME value	34
MAXSECOND	BINARY	STAT	4	AVG	Peak number of secondaries in use at one time	12
NAME-1	CHAR	INQ	4	DIFF	Connection ID	2
NETNAME	CHAR	INQ	8	DIFF	Net name	3
NONSPECAID	BINARY	STAT	2	AVG	Number of AIDs waiting for a session	10
OUTSALLOC	BINARY	STAT	4	AVG	Peak number of outstanding allocate requests	17
PRICURRUSED	CNUMERIC	STAT	2	AVG	Number of primaries currently in use	50
PROTOCOL	CVDAS	INQ	4	LIKE	Connection protocol	4
PROTOCOL Output valid values	LU61, APPC, NOTAPPLIC					
QUEDALLOCATE	BINARY	STAT	4	AVG	Number of queued allocate requests	18
RECEIVECOUNT	CNUMERIC	INQ	4	AVG	Number of defined receive sessions	32
SECCURRUSED	CNUMERIC	STAT	2	AVG	Number of secondaries currently in use	51
SENDCOUNT	CNUMERIC	INQ	4	AVG	Number of defined send sessions	33
SERVSTATUS	CVDAS	INQ	4	LIKE	Service status	8
SERVSTATUS Output valid values	INSERVICE, OUTSERVICE, GOINGOUT					
TDFUNCSHIP	BINARY	STAT	4	AVG	Number of Transient Data function ships	23
TERMSHAREREQ	BINARY	STAT	4	AVG	Number of terminal sharing requests	26
TOTFUNCSHIP	SUM	STAT	4	AVG	Total number of function ships	43
TSFUNCSHIP	BINARY	STAT	4	AVG	Number of Temporary Storage function ships	24
TYPE	EYUDA	CPSM	4	LIKE	Connection type	5
TYPE Output valid values	LU61, LU62, INDIRECT, MRO					
XZIQALLCPRG	CNUMERIC	STAT	2	AVG	Number of allocates purged by XZIQUE exit	40
XZIQPRGCNT	CNUMERIC	STAT	2	AVG	Number of queue purges requested by XZIQUE exit	39
XZIQREJS	CNUMERIC	STAT	4	AVG	Number of allocates rejected by XZIQUE exit	38

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MDB2THRD Resource Table

A CICS Monitored resource that describes a subset of the DB2<sup>®</sup> thread attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is INITTRAN.

The following actions are supported:

### DISCARD

Remove the Monitored resource instance.

### RESET

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

### External resource name

#### Length

112

**Usage** API or WUI or EVALDEF

#### API view

Yes

#### CMAS context

No

#### SCOPE applies

Yes

#### Only query CMASs in workload

No

#### Object type

CICS Monitored

#### Copybook identifier

EYUt1389

Table 38. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 39. MDB2THRD FEEDBACK error codes

Value	Code	Description
9	MDB2THRD_NO_MON_DATA	No data for monitored resource
10	MDB2THRD_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 40. MDB2THRD resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	

Table 40. MDB2THRD resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
ABORTCNT	BINARY	CPSM	4	AVG	Number of aborts	17
AUTHCNT	BINARY	CPSM	4	SUM	Number of authorizations done	12
AUTHTYPE	EYUDA	CPSM	4	LIKE	Authorization type	3
AUTHTYPE Output valid values	USER, TERMID, TRANID, SIGNID, CHARSTR, USERID, RACFGID, NULL					
CURTHREADS	BINARY	CPSM	2	AVG	Current number of threads	7
CURUSERATE	RATE	CPSM	4	AVG	Usage rate for current sample	14
DPMODE	EYUDA	CPSM	4	LIKE	Dispatching mode	4
DPMODE Output valid values	HIGH, LOW, EQ					
<b>INITTRAN-1</b>	CHAR	CPSM	4	DIFF	Initial transaction	2
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval identifier	1
INTUSERATE	RATE	CPSM	4	AVG	Usage rate for interval	15
MAXTHREADS	BINARY	CPSM	2	AVG	Maximum number of threads	6
NAME	CHAR	CPSM	4	DIFF	DB2 subsystem	21
OTHERIDS	BINARY	CPSM	4	AVG	Number of transactions in group	19
PLANNAME	CHAR	CPSM	8	DIFF	Plan name if not dynamic allocation	11
PLANPRGM	CHAR	CPSM	8	DIFF	Dynamic plan allocation exit program	10
READCOMMIT	BINARY	CPSM	4	AVG	Number of read only commits	18
ROLLBACKOPT	EYUDA	CPSM	4	LIKE	Rollback option	5
ROLLBACKOPT Output valid values	YES, NO					
RSVTHREADS	BINARY	CPSM	4	AVG	Reserved threads	8
THREADHWM	BINARY	CPSM	2	MAX	Peak number of threads in use	20
THREADWAIT	BINARY	CPSM	4	SUM	Number of thread waits	16
THREADWOPT	EYUDA	CPSM	4	LIKE	Thread wait option	9
THREADWOPT Output valid values	TWAIT, NOTWAIT, POOL, YES, NO, NA					
USECOUNT	BINARY	CPSM	4	SUM	Number of times plan used	13

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## METADESC Resource Table

A CPSM MetaData resource that describes the basic structure and layout of an attribute in the resource table instance data structure.

The **Primary** key field for this resource class is NAME.

There are no object specific actions for this resource class.

#### External resource name

#### Length

24

#### Usage API

#### API view

No



**CMAS context**  
No

**SCOPE applies**  
No

**Only query CMASs in workload**  
No

**Object type**  
CICSplex SM Metadata

**Copybook identifier**  
EYUt2546

Table 41. Valid CPSM operations

Operations	Actions	Parameters	Required
Not applicable			

Table 42. METADESC resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
DATATYPE	BINARY	CPSM	1	AVG	Data type	7
DATATYPE Input/output valid values	0 (COMP) - Component Identifier, 4 (BIN) - Binary Numeric, 8 (RATE) - Binary Derived Rate, 12 (PER) - Binary Derived Percent, 16 (SUM) - Binary Derived Sum, 20 (RATO) - Binary Derived Ratio, 24 (AVG) - Binary Derived Average, 28 (TSTP) - System/370 Timestamp, 32 (BIT) - Bit, 36 (TEXT) - Text, 40 (CHAR) - Character, 44 (EYUD) - EYUDA, 48 (CVDS) - CVDA Standard, 52 (CVDT) - CVDA Terminal, 56 (REST) - Resource Type, 60 (PACK) - Packed Decimal, 64 (DATE) - Date, 68 (ILBL) - Internal Label Field, 72 (HHMM) - Binary HHMM, 76 (SCLK) - Interval Store Clock, 80 (IUSC) - Interval Microseconds, 84 (IMSC) - Interval Milliseconds, 88 (16US) - Interval 16 Microseconds, 92 (ISEC) - Interval Seconds, 96 (IUSS) - Interval Store Clock delta, 100 (DTGP) - Date Time Group, 104 (DECT) - Packed Decimal Timestamp, 108 (ADDR) - Address, 112 (CNUM) - Coded Numeric, 116 (HCHR) - Non Display Character, 120 (HEX) - Hexadecimal, 124 (TBLV) - Table version, 128 (RAT3) - Binary derived rate 3DP, 132 (PER3) - Binary derived percent 3DP, 136 (SUM3) - Binary derived sum 3DP, 140 (AVG3) - Binary derived average 3DP, 144 (DECS) - Packed Decimal Time - No Tenths, 152 (SC12) - Interval Store Clock Length 12, 156 (BITS) - String of bit flags					
INHERIT	CHAR	CPSM	1	DIFF	Inherit value	9
INHERIT Input/output valid values	N (NO) - Attribute not Inheritable, Y (YES) - Attribute is Inheritable					
LENGTH	BINARY	CPSM	2	AVG	Attribute length	5
<b>NAME-1</b>	CHAR	CPSM	12	DIFF	Attribute name	4
OFFSET	BINARY	CPSM	2	AVG	Attribute offset in table	6

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## METANAME Resource Table

A CPSM MetaData resource that provides information about CVDASs, CVDATs and EYUDAs.

The **Primary** key field for this resource class is NAMETYPE.

The **Secondary** key field for this resource class is VALUE.

There are no object specific actions for this resource class.

#### External resource name

#### Length

40

Usage API

API view  
No

CMAS context  
No

SCOPE applies  
No

Only query CMASs in workload  
No

Object type  
CICSplex SM Metadata

Copybook identifier  
EYUt2634

Table 43. Valid CPSM operations

Operations	Actions	Parameters	Required
Not applicable			

Table 44. METANAME resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
DESCRIPTION	CHAR	CPSM	16	DIFF	Short description	8
NAME	CHAR	CPSM	12	DIFF	Name of CVDA or EYUDA	7
NAMETYPE-1	BINARY	CPSM	1	DIFF	Type of data	4
NAMETYPE-1 Input/output valid values	1 (CVDAS) - Standard CVDA, 2 (CVDAT) - Terminal CVDA, 3 (EYUDA) - EYUDA					
VALUE-2	BINARY	CPSM	4	DIFF	Numeric value of CVDA or EYUDA	6

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## METAPARM Resource Table

A CPSM MetaData resource that provides information about a parameter for an action.

The **Primary** key field for this resource class is TABLE.

The **Secondary** key field for this resource class is ACTION.

The **Tertiary** key field for this resource class is NAME.

There are no object specific actions for this resource class.

#### External resource name

#### Length

104

Usage API

**API view**  
No

**CMAS context**  
No

**SCOPE applies**  
No

**Only query CMASs in workload**  
No

**Object type**  
CICSplex SM Metadata

**Copybook identifier**  
EYUt2633

Table 45. Valid CPSM operations

Operations	Actions	Parameters	Required
Not applicable			

Table 46. METAPARM resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
<b>ACTION-2</b>	CHAR	CPSM	12	DIFF	Action name	5
CICSVALAVAIL	CHAR	CPSM	1	DIFF	CICS validity data available	20
CICSVALAVAIL Input/output valid values	Y (YES) - CICS Validity active, N (NO) - No CICS Validity data					
DATE	CHAR	CPSM	1	DIFF	Parameter represents a date	29
DATE Input/output valid values	N (NO) - Parameter does not represent a date, Y (YES) - Parameter does represent a date					
DESCRIPTION	CHAR	CPSM	50	DIFF	Description	19
GROUP_ID	BINARY	CPSM	1	AVG	Parameter token	8
ID	BINARY	CPSM	4	AVG	Parameter number	7
MODE	BINARY	CPSM	1	DIFF	Mode of application of parameter	18
MODE Input/output valid values	1 (COPY) - Copy from base table, 2 (LIST) - Array of values, 3 (FLAG) - Bit setting, 4 (KEYWORD) - Keyword in API parm string, 5 (FILTER) - Filter string, 6 (INPUT) - API keyword with value, 7 (MODFLAG) - Base table field with existence bit, 8 (OVERRIDE) - Base table field with existence bit					
<b>NAME-3</b>	CHAR	CPSM	12	DIFF	Parameter literal in API parameter string	6
PICKLIST	CHAR	CPSM	1	DIFF	Picklist supported	31
PICKLIST Input/output valid values	N (NO) - Picklist not supported, Y (YES) - Picklist supported					
REQUIRED	CHAR	CPSM	1	DIFF	Parameter required	9
REQUIRED Input/output valid values	N (NO) - Parameter is mandatory, Y (YES) - Parameter is optional					
<b>TABLE-1</b>	CHAR	CPSM	8	DIFF	Base table name	4
TIME	CHAR	CPSM	1	DIFF	Parameter represents a time	30
TIME Input/output valid values	N (NO) - Parameter does not represent a time, Y (YES) - Parameter does represent a time					
VALCICSES2	BIT	CPSM	1	LIKE	Not valid in CICS/ESA byte 2	27
VALCICSES2 Input/output valid values	128 (E630) - CICS ESA 630, 64 (E640) - CICS ESA 640, 32 (E650) - CICS ESA 650, 16 (E660) - CICS ESA 660, 8 (E670) - CICS ESA 670, 4 (E680) - CICS ESA 680, 2 (E690) - CICS ESA 690, 1 (E700) - CICS ESA 700					
VALCICSESA	BIT	CPSM	1	LIKE	Not valid in CICS/ESA	21
VALCICSESA Input/output valid values	128 (M212) - CICS/MVS 212, 64 (E330) - CICS/ESA 330, 32 (E410) - CICS/ESA 410, 16 (E510) - CICS for MVS/ESA 510, 8 (E520) - CICS for MVS/ESA 520, 4 (E530) - CICS for MVS/ESA 530, 2 (E610) - CICS for MVS/ESA 610, 1 (E620) - CICS for MVS/ESA 620					
VALCICSOS2	BIT	CPSM	1	LIKE	Not valid in CICS/OS2	23
VALCICSOS2 Input/output valid values	128 (O201) - CICS OS/2 201, 64 (O300) - CICS OS/2 300, 32 (O311) - CICS OS/2 310					
VALCICSVSE	BIT	CPSM	1	LIKE	Not valid in CICS/VSE	22

Table 46. METAPARM resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
VALCICSVSE Input/output valid values	128 (V220) - CICS/VSE 220, 64 (V230) - CICS/VSE 230, 32 (V410) - CICS/VSE 410					
VALCICSWNT	BIT	CPSM	1	LIKE	Not valid in CICS for Windows	26
VALCICSWNT Input/output valid values	128 (N430) - CICS for Windows 430, 64 (N500) - CICS for Windows 500					
VALUE	BINARY	CPSM	4	AVG	Parameter value	12
WLMOWNER	CHAR	CPSM	1	DIFF	Workload owner parameter required	11
WLMOWNER Input/output valid values	N (NO) - Parameter is mandatory, Y (YES) - Parameter is optional					
WORKLOAD	CHAR	CPSM	1	DIFF	Workload parameter required	10
WORKLOAD Input/output valid values	N (NO) - Parameter is mandatory, Y (YES) - Parameter is optional					

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MFEPICON Resource Table

A CICS Monitored resource that describes a subset of the FEPI connection attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is TARGETNAME.

The **Secondary** key field for this resource class is NODENAME.

While the MFEPICON resource class identifies multiple key attributes, only the TARGETNAME attribute can be specified in an EVALDEF INSTANCE attribute.

The following actions are supported:

**DISCARD**

Remove the Monitored resource instance.

**RESET**

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

**External resource name**

**Length**

104

**Usage** API or WUI or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

Only query CMASs in workload  
No

Object type  
CICS Monitored

Copybook identifier  
EYUt1401

Table 47. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 48. MFEPICON FEEDBACK error codes

Value	Code	Description
9	MFEPICON_NO_MON_DATA	No data for monitored resource
10	MFEPICON_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 49. MFEPICON resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
ACQSTATUS	CV DAS	INQ	4	LIKE	Acquired status	14
ACQSTATUS Output valid values	ACQUIRED, ACQUIRING, RELEASED, RELEASING, INSTALLED, NOTINSTALLED					
ACQUIRES	BINARY	STAT	4	AVG	Number of acquires	5
CHARSRECVD	CNUMERIC	STAT	4	AVG	Number of characters received	11
CHARSSENT	CNUMERIC	STAT	4	AVG	Number of characters sent	10
CONVERSATNS	CNUMERIC	STAT	4	AVG	Number of conversations	8
CSACQRATE	RATE	CPSM	4	AVG	Acquire rate for current sample	6
ERRORS	CNUMERIC	STAT	4	AVG	Number of error conditions	13
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval ID	1
MIACQRATE	RATE	CPSM	4	AVG	Acquire rate for monitor interval	7
<b>NODENAME-2</b>	CHAR	INQ	8	DIFF	Node name	3
POOLNAME	CHAR	STAT	8	DIFF	Pool name	4
RECVTIMEOUT	CNUMERIC	STAT	4	AVG	Number of receive timeouts	12
SERVSTATUS	CV DAS	INQ	4	LIKE	Connection service state	15
SERVSTATUS Output valid values	INSERVICE, OUTSERVICE, GOINGOUT					
STATE	CV DAS	INQ	4	LIKE	Conversation status	16
STATE Output valid values	NOCONV, PENDSTSN, STSN, PENDING, BEGINSESSION, APPLICATION, PENDDDATA, PENDSTART, PENDFREE, FREE, PENDRELEASE, RELEASE, PENDUNSOL, UNSOLDDATA, PENDPASS					
<b>TARGETNAME-1</b>	CHAR	INQ	8	DIFF	Target name	2
UNSOLICINP	CNUMERIC	STAT	4	AVG	Number of unsolicited inputs	9
WAITCONVNUM	BINARY	INQ	4	AVG	Number of conversations waiting for connection	17

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific

characteristics of a resource class.

## MGMTPART Resource Table

A management part for an application or platform. The management part associates the application or platform with the CICS bundles that they are managing in the CICS regions.

The **Primary** key field for this resource class is ID.

The following actions are supported:

**GET** Retrieve information about a management part.

**External resource name**  
CICSManagementPart

**Length**  
360

**Usage** API or CICS Management Client Interface

**API view**  
No

**CMAS context**  
No

**SCOPE applies**  
No

**Only query CMASs in workload**  
No

**Object type**  
CICSplex SM Manager

**Copybook identifier**  
EYUt3528

Table 50. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 51. MGMTPART FEEDBACK error codes

Value	Code	Description
1	MGMTPART_REC_NOT_FOUND	Management part not found

Table 52. MGMTPART resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
APPLDEF	CHAR	CPSM	8	DIFF	Application definition	9
APPLICATION	CHAR	CPSM	64	DIFF	Application	8
APPLMAJORVER	BINARY	CPSM	4	MAX	Application major version number	10
APPLMICROVER	BINARY	CPSM	4	MAX	Application micro version number	12
APPLMINORVER	BINARY	CPSM	4	MAX	Application minor version number	11
AVAILSTATUS	EYUDA	CPSM	4	LIKE	Management part bundle availability status	22
AVAILSTATUS Output valid values		AVAILABLE, UNAVAILABLE, SOMEAVAIL, NONE				

Table 52. MGMTPART resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
BUNDLE	CHAR	CPSM	64	DIFF	Bundle ID	15
BUNDMAJORVER	BINARY	CPSM	4	MAX	Bundle major version number	16
BUNDMICROVER	BINARY	CPSM	4	MAX	Bundle micro version number	18
BUNDMINORVER	BINARY	CPSM	4	MAX	Bundle minor version number	17
CHANGEAGENT	CVDAS	CPSM	4	LIKE	Last modification agent	127
CHANGEAGENT Input/output valid values	DREPAPI					
CHANGEAGREL	CHAR	CPSM	4	DIFF	Last modification agent release	130
CHANGETIME	DATETIME	CPSM	8	MAX	Last modification	1
CHANGEUSRID	CHAR	CPSM	8	DIFF	Last modification user ID	129
CREATETIME	DATETIME	CPSM	8	MAX	Time created	128
ENABLESTATUS	EYUDA	CPSM	4	LIKE	Management part bundle enable status	19
ENABLESTATUS Output valid values	ENABLED, DISABLED, ENABLING, DISABLING, EMPTY, INVALIDSCOPE, SOMEDISABLED, IMPORTONLY, INCOMPLETE					
<b>ID-1</b>	HEX	CPSM	8	MIN	ID	5
INSTALLSCOPE	CHAR	CPSM	8	DIFF	Bundle install request scope	14
PLATDEF	CHAR	CPSM	8	DIFF	Platform definition	7
PLATFORM	CHAR	CPSM	64	DIFF	Platform	6
REGIONTYPE	CHAR	CPSM	64	DIFF	Region type	13

## MINDTDQ Resource Table

A CICS Monitored resource that describes a subset of the indirect transient data queue attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is TDQUEUE.

The following actions are supported:

### DISCARD

Remove the Monitored resource instance.

### RESET

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

### External resource name

#### Length

48

**Usage** API or WUI or EVALDEF

#### API view

Yes

#### CMAS context

No

#### SCOPE applies

Yes

#### Only query CMASs in workload

No

**Object type**  
CICS Monitored

**Copybook identifier**  
EYUt1386

Table 53. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 54. MINDTDQ FEEDBACK error codes

Value	Code	Description
9	MINDTDQ_NO_MON_DATA	No data for monitored resource
10	MINDTDQ_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 55. MINDTDQ resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
CURROUTQRATE	RATE	CPSM	4	AVG	Output rate for current sample	6
INDIRECTNAME	CHAR	INQ	4	DIFF	Indirect queue name	3
INDIRECTTYPE	CVDAS	INQ	4	LIKE	Indirect queue type	4
INDIRECTTYPE Output valid values	INTRA, EXTRA, INDIRECT, REMOTE					
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval identifier	1
INTOUTQRATE	RATE	CPSM	4	AVG	Output rate for interval	7
OUTCNT	BINARY	STAT	4	SUM	Number of I/O requests	5
<b>TDQUEUE-1</b>	CHAR	INQ	4	DIFF	Queue identifier	2

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MJOURNAL Resource Table

A CICS Monitored resource that describes a subset of the journal attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is JOURNALNUM.

The following actions are supported:

**DISCARD**

Remove the Monitored resource instance.

**RESET**

Reset all Monitoring instance attributes.



These actions require no unique parameter data.

**External resource name**

**Length**

88

**Usage** API or WUI or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Monitored

**Copybook identifier**

EYUt1375

Table 56. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 57. MJOURNAL FEEDBACK error codes

Value	Code	Description
9	MJOURNAL_NO_MON_DATA	No data for monitored resource
10	MJOURNAL_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 58. MJOURNAL resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
ARCHSUBCNT	CNUMERIC	STAT	4	AVG	Number of archives submitted (DISK2 journal only)	10
ARCHWCNT	CNUMERIC	STAT	4	AVG	Number of archive waits (DISK2 journal only)	11
AVGSIZE	BINARY	STAT	2	AVG	Average block size	15
BLKWRCNT	DECIMAL	STAT	4	SUM	Number of blocks written	9
BUFULLCNT	DECIMAL	STAT	3	SUM	Number of times buffer full	18
CURFULLPER	PERCENT	CPSM	4	AVG	Percentage of time buffer full - current sample	13
CURVOLUME	CHAR	INQ	6	DIFF	Current volume (tape journal only)	5
DSOPENCNT	CNUMERIC	STAT	4	AVG	Number of data sets opened (DISK2 journal only)	12
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval ID	1

Table 58. MJOURNAL resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
INTFULLPER	PERCENT	CPSM	4	AVG	Percentage of time buffer full - monitor interval	14
JOURNALNUM-1	BINARY	INQ	2	AVG	Journal number	16
JTYPE	CVDAS	INQ	4	LIKE	Journal type	3
JTYPE Output valid values	TAPE1, TAPE2, DISK1, DISK2, DISK2PAUSE, SMF					
LASTVOL	CHAR	STAT	6	DIFF	Last volume written (tape journal only)	6
OLDPART	CNUMERIC	INQ	4	AVG	Oldest part (tape journal only)	4
OPENSTATUS	CVDAS	INQ	4	LIKE	Open status	2
OPENSTATUS Output valid values	OPENOUTPUT, CLOSED					
RECWRcnt	DECIMAL	STAT	5	SUM	Number of records written	17
TAPESLFT	CNUMERIC	STAT	2	AVG	Number of tapes left	8
TAPESOPEN	CNUMERIC	STAT	2	AVG	Number of tapes opened	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MJRNLNAM Resource Table

A CICS Monitored resource that describes a subset of the journal name attributes sampled by the CICSplex SM MAS Monitor agents.

Instances of this resource are only presented when monitoring MJRNL class definitions are installed in systems running the CICS TS for z/OS.

The **Primary** key field for this resource class is JOURNALNAME.

The following actions are supported:

**DISCARD**

Remove the Monitored resource instance.

**RESET**

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

**External resource name**

**Length**

80

**Usage** API or WUI or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**  
CICS Monitored

**Copybook identifier**  
EYUt1402

Table 59. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 60. MJRNLNAM FEEDBACK error codes

Value	Code	Description
9	MJRNLNAM_NO_MON_DATA	No data for monitored resource
10	MJRNLNAM_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 61. MJRNLNAM resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval ID	1
JOURNALNAME-1	CHAR	INQ	8	DIFF	Journal name	2
NUMBUFLUSH	CNUMERIC	STAT	4	AVG	Number of buffer flush requests	6
NUMBYTES	BINARY	STAT	8	AVG	Total number of bytes written	5
NUMWRITES	CNUMERIC	STAT	4	AVG	Number of journal writes	4
STREAMNAME	CHAR	INQ	26	DIFF	MVS log stream	7
TYPE	CVDAS	INQ	4	LIKE	Log stream destination	3
TYPE Output valid values	MVS, SMF, DUMMY					

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MLOCFILE Resource Table

A CICS Monitored resource that describes a subset of the local file attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is FILE.

The following actions are supported:

#### DISCARD

Remove the Monitored resource instance.

#### RESET

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

**External resource name**

**Length**

208

**Usage** API or WUI or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Monitored

**Copybook identifier**

EYUt1372

Table 62. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 63. MLOCFILE FEEDBACK error codes

Value	Code	Description
9	MLOCFILE_NO_MON_DATA	No data for monitored resource
10	MLOCFILE_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 64. MLOCFILE resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
ACCESSMETHOD	CVDAS	INQ	4	LIKE	Access method	4
ACCESSMETHOD Output valid values	VSAM, BDAM					
ADDCNT	BINARY	STAT	4	AVG	Number of WRITE requests	17
BLOCKSIZE	CNUMERIC	INQ	4	AVG	Block size (BDAM only)	5
BROWSECNT	BINARY	STAT	4	AVG	The number of READNEXT and READPREV requests	16
BROWUPDCNT	CNUMERIC	STAT	4	AVG	Number of browse for update requests	38
CURDEXP RATE	RATE	CPSM	4	AVG	Rate of data I/O operations for current sample	25
CURIEXCP RATE	RATE	CPSM	4	AVG	Rate of index I/O operations for current sample	27
CURREQ RATE	RATE	CPSM	4	AVG	Request rate for current sample	21

Table 64. MLOCFILE resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
DEXPCNT	BINARY	STAT	4	AVG	Number of I/O operations for data records	23
DSNAME	CHAR	INQ	44	DIFF	Data set name	6
ENABLESTATUS	CVDAS	INQ	4	LIKE	Enabled status	7
ENABLESTATUS Output valid values	ENABLED, DISABLED, UNENABLED, DISABLING					
<b>FILE-1</b>	CHAR	INQ	8	DIFF	File ID	2
GETCNT	BINARY	STAT	4	AVG	Number of READ requests	14
GETUPDCNT	BINARY	STAT	4	AVG	Number of READ UPDATE requests	15
IEXPCNT	BINARY	STAT	4	AVG	Number of I/O operations against index component	24
INTDEXCPRATE	RATE	CPSM	4	AVG	Rate of data I/O operations for monitor interval	26
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval ID	1
INTIEXCPRATE	RATE	CPSM	4	AVG	Rate of index I/O operations for monitor interval	28
INTREQRATE	RATE	CPSM	4	AVG	Request rate for monitor interval	22
LOCDELCNT	BINARY	STAT	4	AVG	Number of DELETE requests	19
LSRPOOLID	BINARY	INQ	2	MAX	LSR Pool number	31
NUMACTSTRING	CNUMERIC	STAT	2	AVG	Number of active strings	34
NUMDATBUFF	CNUMERIC	STAT	2	AVG	Number of data buffers	32
NUMINDEXBUFF	CNUMERIC	STAT	2	AVG	Number of index buffers	33
NUMSTRINGWT	CNUMERIC	STAT	2	AVG	Current number of string waits	35
OBJECT	CVDAS	INQ	4	LIKE	Data set type (base or path)	8
OBJECT Output valid values	BASE, PATH					
OPENSTATUS	CVDAS	INQ	4	LIKE	Open status	9
OPENSTATUS Output valid values	OPEN, CLOSED, OPENING, CLOSING, CLOSEREQUEST					
RECORDSIZE	BINARY	INQ	4	AVG	Record size	10
RLSREQWTO	CNUMERIC	STAT	4	AVG	Record level sharing (RLS) request wait timeouts	39
STRINGS	BINARY	INQ	4	AVG	Number of strings	11
TIMECLOSE	DECTSTP	STAT	4	MAX	Local time file was closed	12
TIMEOPEN	DECTSTP	STAT	4	MAX	Local time file was opened	13
TOTLREQCNT	BINARY	STAT	4	AVG	Total number of all requests	20
UPDATECNT	BINARY	STAT	4	AVG	Number of REWRITE requests	18
VSAMTYPE	CVDAS	INQ	4	LIKE	VSAM file type	3
VSAMTYPE Output valid values	ESDS, KSDS, RRDS					
WSTRCCURCNT	BINARY	STAT	4	AVG	Peak number of tasks waiting for a string	30
WSTRCNT	BINARY	STAT	4	AVG	Total requests queued because all strings in use	29

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## MLOCTRAN Resource Table

A CICS Monitored resource that describes a subset of the local transaction attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is TRANID.

The following actions are supported:

### DISCARD

Remove the Monitored resource instance.

### RESET

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

### External resource name

### Length

1392

**Usage** API or WUI or EVALDEF

### API view

Yes

### CMAS context

No

### SCOPE applies

Yes

### Only query CMASs in workload

No

### Object type

CICS Monitored

### Copybook identifier

EYUt1380

Table 65. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 66. MLOCTRAN FEEDBACK error codes

Value	Code	Description
9	MLOCTRAN_NO_MON_DATA	No data for monitored resource
10	MLOCTRAN_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 67. MLOCTRAN resource table attributes

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name		

Table 67. MLOCTRAN resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release		
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved		
ACTMISMATS	CNUMERIC	STAT	4	AVG	Number of action mismatches		146
ALLOCATES	BINARY	CMF	4	AVG	Number of TCITE allocation requests		25
BAACDCCT	BINARY	CMF	4	AVG	BTS activity data container requests		193
BAACQPCT	BINARY	CMF	4	AVG	BTS acquire process requests		190
BADACTCT	BINARY	CMF	4	AVG	BTS define activity requests		185
BADCPACT	BINARY	CMF	4	AVG	BTS delete activity and cancel requests		189
BADFIECT	BINARY	CMF	4	AVG	BTS define input event requests		196
BADPROCT	BINARY	CMF	4	AVG	BTS define process requests		184
BALKPACT	BINARY	CMF	4	AVG	BTS link requests		183
BAPRDCCT	BINARY	CMF	4	AVG	BTS process data container requests		192
BARASYCT	BINARY	CMF	4	AVG	BTS run asynchronous requests		182
BARATECT	BINARY	CMF	4	AVG	BTS retrieve reattach event requests		195
BARMPACT	BINARY	CMF	4	AVG	BTS resume requests		188
BARSPACT	BINARY	CMF	4	AVG	BTS reset requests		186
BARSYNCT	BINARY	CMF	4	AVG	BTS run synchronous requests		181
BASUPACT	BINARY	CMF	4	AVG	BTS suspend requests		187
BATIAECT	BINARY	CMF	4	AVG	BTS timer associated event requests		197
BATOTCCT	BINARY	CMF	4	AVG	BTS total data container requests		194
BATOTECT	BINARY	CMF	4	AVG	BTS total event requests		198
BATOTPCT	BINARY	CMF	4	AVG	BTS total requests		191
BMSCOUNT	BINARY	CMF	4	AVG	Total BMS requests		64
BMSINCNT	BINARY	CMF	4	AVG	Number of BMS in requests		62
BMSMAPCNT	BINARY	CMF	4	AVG	Number of BMS map requests		61
BMSOUTCNT	BINARY	CMF	4	AVG	Number of BMS out requests		63
CDSAGETM	BINARY	CMF	4	AVG	CDSA getmains		29
CDSAPSHWM	BINARY	CMF	4	AVG	CDSA program storage HWM		45
CDSASHWM	BINARY	CMF	4	AVG	CDSA storage HWM		33
CDSASOCC	BINARY	CMF	8	AVG	CDSA occupancy		37
CFDTWC	CNUMERIC	CMF	4	AVG	CF data table wait count		178
CFDTWT	INT16US	CMF	8	AVG	CF data table wait time		177
CHARIN	BINARY	CMF	4	AVG	Primary terminal control characters in		18
CHARINSEC	BINARY	CMF	4	AVG	Secondary terminal control characters in		22
CHAROUT	BINARY	CMF	4	AVG	Primary terminal control characters out		20
CHAROUTSEC	BINARY	CMF	4	AVG	Secondary terminal control characters out		24
CHMODECT	BINARY	CMF	4	AVG	Dispatcher change modes	E640+	243
CICSWC	CNUMERIC	CMF	4	AVG	Wait-CICS count		167
CICSWT	INT16US	CMF	8	AVG	Wait-CICS time		166
CPUCNT	BINARY	CMF	4	AVG	User task CPU count		88
CPUTIME	INT16US	CMF	8	AVG	User task CPU time		73
CTLWC	CNUMERIC	CMF	4	AVG	Give up control wait count		171

Table 67. MLOCTRAN resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
CTLWT	INT16US	CMF	8	AVG	Give up control wait time		170
CURAVGCPUT	INT16US	CPSM	4	MAX	Average CPU time for current sample		71
CURAVGRES	INTMSEC	CPSM	4	MAX	Average response time for current sample		13
CURTRANRATE	RATE	CPSM	4	SUM	Transaction rate for current sample		8
DB2CONWC	BINARY	CMF	4	AVG	DB2 connection (TCB) count		220
DB2CONWT	INT16US	CMF	8	AVG	DB2 Connection wait time		219
DB2RDYQC	BINARY	CMF	4	AVG	DB2 ReadyQ wait count		218
DB2RDYQW	INT16US	CMF	8	AVG	DB2 ReadyQ wait time		217
DB2REQCT	BINARY	CMF	4	AVG	DB2 total number of requests		242
DB2WAIT	INT16US	CMF	8	AVG	DB2 request wait time	E680+	221
DB2WAITC	BINARY	CMF	4	AVG	DB2 request wait count	E680+	222
DHCRECT	BINARY	CMF	4	AVG	Document create requests		209
DHINSCT	BINARY	CMF	4	AVG	Document insert requests		210
DHRETCT	BINARY	CMF	4	AVG	Document retrieve requests		212
DHSETCT	BINARY	CMF	4	AVG	Document set requests		211
DHTOTCT	BINARY	CMF	4	AVG	Document total requests		213
DHTOTDCL	BINARY	CMF	4	AVG	Document total length created		214
DISPCNT	BINARY	CMF	4	AVG	Task dispatch count		87
DISPTIME	INT16US	CMF	8	AVG	Task dispatch time		72
DSPDELAY	INT16US	CMF	8	AVG	First dispatch delay		119
DSPDELAYCT	CNUMERIC	CMF	4	AVG	First dispatch delay count		128
ECDSAGETM	BINARY	CMF	4	AVG	ECDSA getmains		30
ECDSAPSHWM	BINARY	CMF	4	AVG	ECDSA program storage HWM		44
ECDSASHWM	BINARY	CMF	4	AVG	ECDSA storage HWM		34
ECDSASOCC	BINARY	CMF	8	AVG	ECDSA occupancy		38
ENQDELAY	INT16US	CMF	8	AVG	Task control enqueue delay time		122
ENQDELAYCT	CNUMERIC	CMF	4	AVG	KC enqueue delay count		131
EXTERNWC	CNUMERIC	CMF	4	AVG	External wait count		165
EXTERNWT	INT16US	CMF	8	AVG	External wait time		164
EXWAIT	INT16US	CMF	8	AVG	Exception wait time		76
EXWAITCNT	CNUMERIC	CMF	4	AVG	Exception wait count		91
FCADDCNT	BINARY	CMF	4	AVG	Number of file adds		49
FCAMCNT	BINARY	CMF	4	AVG	Number of access method requests		52
FCBRWCNT	BINARY	CMF	4	AVG	Number of file browses		48
FCCOUNT	BINARY	CMF	4	AVG	Total file control requests		51
FCDELCNT	BINARY	CMF	4	AVG	Number of file deletes		50
FCGETCNT	BINARY	CMF	4	AVG	Number of file gets		46
FCIOCNT	BINARY	CMF	4	AVG	File control I/O wait count		93
FCIOTIME	INT16US	CMF	8	AVG	File control I/O wait time		78
FCPUTCNT	BINARY	CMF	4	AVG	Number of file puts		47
FORACTINDTO	CNUMERIC	STAT	4	AVG	Force actions due to indoubt		142
FORACTNOWT	CNUMERIC	STAT	4	AVG	Force actions due to no wait		143
FORACTOPER	CNUMERIC	STAT	4	AVG	Force actions due to operator		144
FORACTOTHER	CNUMERIC	STAT	4	AVG	Force actions due to other		145
FORACTTRNDF	CNUMERIC	STAT	4	AVG	Force actions due to transaction definition		141
GNQDELAC	BINARY	CMF	4	AVG	Sysplex-wide enqueue delay count		249



Table 67. MLOCTRAN resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
GNQDELAY	INT16US	CMF	8	AVG	Sysplex-wide enqueue delay time		248
ICCOUNT	BINARY	CMF	4	AVG	Interval control requests		69
ICTOTCNT	BINARY	CMF	4	AVG	Total interval control requests		174
IMSREQCT	BINARY	CMF	4	AVG	IMS total number of requests		241
IMSWAIT	INT16US	CMF	8	AVG	IMS request wait time		215
IMSWAITC	BINARY	CMF	4	AVG	IMS request wait count		216
INTAVGCPUT	INT16US	CPSM	4	MAX	Average CPU time for interval		84
INTAVGRES	INTMSEC	CPSM	4	MAX	Average response time for interval		16
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval identifier		1
INTTRANRATE	RATE	CPSM	4	SUM	Transaction rate for interval		9
INTVLWC	CNUMERIC	CMF	4	AVG	Interval control wait count		169
INTVLWT	INT16US	CMF	8	AVG	Interval control wait time		168
IRIOCNT	BINARY	CMF	4	AVG	Interregion I/O count		96
IRIOTIME	INT16US	CMF	8	AVG	Interregion I/O wait		81
ISOLATEST	CVDAS	INQ	4	LIKE	Isolation status		98
ISOLATEST Output valid values	ISOLATE, NOISOLATE						
J8CPUC	BINARY	CMF	4	AVG	J8 TCB mode CPU count	E680+	238
J8CPUT	INT16US	CMF	8	AVG	J8 TCB mode CPU time	E680+	237
JCIOCNT	BINARY	CMF	4	AVG	Journal control I/O wait count		94
JCIOTIME	INT16US	CMF	8	AVG	Journal control I/O wait time		79
JCUSRWCNT	BINARY	CMF	4	AVG	Journal output requests		68
JNLWRTCT	CNUMERIC	CMF	4	AVG	Journal write requests		154
JVMSUSP	INT16US	CMF	8	AVG	Total JVM suspend time		256
JVMSUSPC	BINARY	CMF	4	AVG	Total JVM suspend time count		257
JVMTIME	INT16US	CMF	8	AVG	Total JVM elapsed time		254
JVMTIMEC	BINARY	CMF	4	AVG	Total JVM elapsed time count		255
L8CPUC	BINARY	CMF	4	AVG	L8 TCB mode CPU count		236
L8CPUT	INT16US	CMF	8	AVG	L8 TCB mode CPU time		235
LOCALCNT	CNUMERIC	STAT	4	AVG	Times local dynamic routing exit ran transaction		12
LOCKMWC	CNUMERIC	CMF	4	AVG	Lock manager wait count		161
LOCKMWT	INT16US	CMF	8	AVG	Lock manager wait time		160
LOGWRTCT	CNUMERIC	CMF	4	AVG	CICS logger write requests		155
LU61WTT	INT16US	CMF	8	AVG	LU6.1 I/O wait time		123
LU61WTTCT	CNUMERIC	CMF	4	AVG	LU6.1 I/O wait count		132
LU62WTT	INT16US	CMF	8	AVG	LU6.2 I/O wait time		124
LU62WTTCT	CNUMERIC	CMF	4	AVG	LU6.2 I/O wait count		133
MSCPUC	BINARY	CMF	4	AVG	Other TCB mode CPU count		234
MSCPUT	INT16US	CMF	8	AVG	Other TCB mode CPU time		233
MSDISPC	BINARY	CMF	4	AVG	Other TCB mode dispatch count		232
MSDISPT	INT16US	CMF	8	AVG	Other TCB mode dispatch time		231
MSGIN	BINARY	CMF	4	AVG	Primary terminal control messages in		17
MSGINSEC	BINARY	CMF	4	AVG	Secondary terminal control messages in		21
MSGOUT	BINARY	CMF	4	AVG	Primary terminal control messages out		19
MSGOUTSEC	BINARY	CMF	4	AVG	Secondary terminal control messages out		23
MXTDELAY	INT16US	CMF	8	AVG	First dispatch delay		121

Table 67. MLOCTRAN resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
MXTDELAYCT	CNUMERIC	CMF	4	AVG	First dispatch delay MXT count		130
MXTOTDLC	BINARY	CMF	4	AVG	Maximum open TCB delay count		224
MXTOTDLY	INT16US	CMF	8	AVG	Maximum open TCB delay time		223
NUMINDOUBWT	CNUMERIC	STAT	4	AVG	Number of indoubt waits		140
PC24RHWM	CNUMERIC	CMF	4	AVG	R/O program storage HWM below 16M		106
PC24SHWM	CNUMERIC	CMF	4	AVG	Shared program storage HWM below 16M		108
PC31SHWM	CNUMERIC	CMF	4	AVG	Shared program storage HWM above 16M		107
PCDPLCT	BINARY	CMF	4	AVG	Distributed program links		245
PCLINKCNT	BINARY	CMF	4	AVG	Number of program links		65
PCLOADCNT	BINARY	CMF	4	AVG	Number of program loads		67
PCLOADTM	INT16US	CMF	8	AVG	Program fetch wait time		83
PCLOADWCNT	CNUMERIC	CMF	4	AVG	Program fetch wait count		175
PCLURMCT	BINARY	CMF	4	AVG	Link URM count		176
PCXCTLCNT	BINARY	CMF	4	AVG	Number of program XCTLs		66
PERRECNT	CNUMERIC	CMF	4	AVG	Performance record count		147
PRIORITY	BINARY	CMF	4	AVG	Transaction priority		85
PROGRAM	CHAR	CMF	8	DIFF	First program		86
PSTG24HWM	BINARY	CMF	4	AVG	Program storage HWM below 16M		40
PSTG31HWM	BINARY	CMF	4	AVG	Program storage HWM above 16M		41
PSTGHWM	BINARY	CMF	4	AVG	Program storage HWM		39
QRCPUC	BINARY	CMF	4	AVG	QR TCB mode CPU count		230
QRCPUT	INT16US	CMF	8	AVG	QR TCB mode CPU time		229
QRDISPC	BINARY	CMF	4	AVG	QR TCB mode dispatch count		228
QRDISPT	INT16US	CMF	8	AVG	QR TCB mode dispatch time		227
QRMODDLC	BINARY	CMF	4	AVG	QR TCB mode delay count		226
QRMODDLY	INT16US	CMF	8	AVG	QR TCB mode delay time		225
REMOTECNT	CNUMERIC	STAT	4	AVG	Number of times run remotely by routing exit		99
REMSTARTCNT	CNUMERIC	STAT	4	AVG	Remote start count		100
RESPONSE	INTMSEC	CMF	8	AVG	Cumulative response time		15
RESTARTCNT	BINARY	STAT	4	AVG	Times restarted		6
RLSCPUCNT	CNUMERIC	CMF	4	AVG	RLS CPU time monitor count		163
RLSCPUT	INT16US	CMF	8	AVG	RLS SRB CPU time		162
RLSWAIT	INT16US	CMF	8	AVG	Total times waited for RLS I/O		158
RLSWAICNT	CNUMERIC	CMF	4	AVG	Task suspend count		159
RMISUSP	INT16US	CMF	8	AVG	Total RMI suspend time		126
RMISUSPCT	CNUMERIC	CMF	4	AVG	Total RMI suspend count		135
RMITIME	INT16US	CMF	8	AVG	Total RMI elapsed time		125
RMITIMECT	CNUMERIC	CMF	4	AVG	Total RMI elapsed count		134
RRMSWAIC	BINARY	CMF	4	AVG	RRMS/MVS syncpoint delay count		253
RRMSWAIT	INT16US	CMF	8	AVG	RRMS/MVS syncpoint delay time		252
RSYSID	CHAR	CMF	4	DIFF	Remote system identifier		101
RUNTRWTC	BINARY	CMF	4	AVG	Run synchronous transaction wait count		200
RUNTRWTT	INT16US	CMF	8	AVG	Run synchronous transaction wait time		199

Table 67. MLOCTRAN resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
S8CPUC	BINARY	CMF	4	AVG	S8 TCB mode CPU count		240
S8CPUT	INT16US	CMF	8	AVG	S8 TCB mode CPU time		239
SC24FSHR	CNUMERIC	CMF	4	AVG	Shared storage bytes freed below 16M		150
SC24GSHR	CNUMERIC	CMF	4	AVG	Shared storage bytes get below 16M		149
SC24SGCT	CNUMERIC	CMF	4	AVG	Shared storage requests below 16M		148
SC31FSHR	CNUMERIC	CMF	4	AVG	Shared storage bytes freed above 16M		153
SC31GSHR	CNUMERIC	CMF	4	AVG	Shared storage bytes get above 16M		152
SC31SGCT	CNUMERIC	CMF	4	AVG	Shared storage getmain above 16M		151
SHDTSWC	CNUMERIC	CMF	4	AVG	Shared temporary storage wait count		173
SHDTSWT	INT16US	CMF	8	AVG	Shared temporary storage wait time		172
SOBYDECT	BINARY	CMF	4	AVG	Socket bytes decrypted		247
SOBYENCT	BINARY	CMF	4	AVG	Socket bytes encrypted		246
SOIOWTC	BINARY	CMF	4	AVG	Sockets I/O wait count		251
SOIOWTT	INT16US	CMF	8	AVG	Sockets I/O wait time		250
SRVSPWC	CNUMERIC	CMF	4	AVG	CF data-table-server syncpoint wait count		180
SRVSPWT	INT16US	CMF	8	AVG	CF server syncpoint wait time		179
STATUS	CVDAS	INQ	4	LIKE	Enabled status		4
STATUS Output valid values	ENABLED, DISABLED						
STGVCNT	BINARY	STAT	4	AVG	Number of storage violations		10
SUSPCNT	BINARY	CMF	4	AVG	Task suspend count		89
SUSPTIME	INT16US	CMF	8	AVG	Task suspend time		74
SYNCCOUNT	BINARY	CMF	4	AVG	Syncpoint requests		70
SYNCDLY	INT16US	CMF	8	AVG	Waiting for parent syncpoint delay time		201
SYNCDLYC	BINARY	CMF	4	AVG	Waiting for parent syncpoint delay count		202
SYNCTMCNT	CNUMERIC	CMF	4	AVG	Total times processed syncpoint request		157
SYNCTIME	INT16US	CMF	8	AVG	Syncpoint wait time		156
SZALLCTO	CNUMERIC	CMF	4	AVG	FEPI allocate timeouts		115
SZALLOCT	CNUMERIC	CMF	4	AVG	FEPI allocates		109
SZCHRIN	CNUMERIC	CMF	4	AVG	FEPI characters received		114
SZCHROUT	CNUMERIC	CMF	4	AVG	FEPI characters sent		113
SZRCVCT	CNUMERIC	CMF	4	AVG	FEPI receives		110
SZRCVTO	CNUMERIC	CMF	4	AVG	FEPI receive timeouts		116
SZSENDCT	CNUMERIC	CMF	4	AVG	FEPI sends		111
SZSTRCT	CNUMERIC	CMF	4	AVG	FEPI starts		112
SZTOTCT	CNUMERIC	CMF	4	AVG	Total FEPI requests		117
SZWAIT	INT16US	CMF	8	AVG	FEPI suspend time		118
SZWAITCT	CNUMERIC	CMF	4	AVG	FEPI suspend time count		127
TCBATTCT	BINARY	CMF	4	AVG	Dispatcher TCB attaches		244
TCC62IN2	CNUMERIC	CMF	4	AVG	LU6.2 Secondary terminal control chars in		103
TCC62OU2	CNUMERIC	CMF	4	AVG	LU6.2 secondary terminal control chars out		105

Table 67. MLOCTRAN resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
TCIOCNT	BINARY	CMF	4	AVG	Terminal control I/O wait count		92
TCIOTIME	INT16US	CMF	8	AVG	Terminal control I/O wait time		77
TCLDELAY	INT16US	CMF	8	AVG	First dispatch delay - transaction class		120
TCLDELAYCT	CNUMERIC	CMF	4	AVG	First dispatch delay count		129
TCM62IN2	CNUMERIC	CMF	4	AVG	LU6.2 secondary terminal control messages in		102
TCM62OU2	CNUMERIC	CMF	4	AVG	LU6.2 secondary terminal control messages out		104
TDCOUNT	BINARY	CMF	4	AVG	Total transient data requests		56
TDGETCNT	BINARY	CMF	4	AVG	Number of transient data gets		53
TDIOCNT	BINARY	CMF	4	AVG	Transient data I/O count		97
TDIOTIME	INT16US	CMF	8	AVG	Transient data I/O wait time		82
TDPURCNT	BINARY	CMF	4	AVG	Number of transient data purges		55
TDPUTCNT	BINARY	CMF	4	AVG	Number of transient data puts		54
TERMID	CHAR	INQ	4	DIFF	Terminal identifier		3
TERMSTG	CNUMERIC	CMF	4	AVG	Terminal storage	E410+	26
TMRDSCWT	INT16US	CMF	8	AVG	MVS DS storage constraint wait time		258
TRANCLASS	CHAR	INQ	8	DIFF	Transaction class name		5
<b>TRANID-1</b>	CHAR	INQ	4	DIFF	Transaction		2
TSCOUNT	BINARY	CMF	4	AVG	Total temporary storage requests		60
TSGETCNT	BINARY	CMF	4	AVG	Number of temporary storage gets		57
TSIOCNT	BINARY	CMF	4	AVG	Temporary storage I/O wait count		95
TSIOTIME	INT16US	CMF	8	AVG	Temporary storage I/O wait time		80
TSPUTACNT	BINARY	CMF	4	AVG	Number of TS puts to auxiliary storage		58
TSPUTMCNT	BINARY	CMF	4	AVG	Number of TS puts to main storage		59
USECOUNT	BINARY	STAT	4	SUM	Times used		7
USRP24HWM	BINARY	CMF	4	AVG	Program storage HWM below 16M		43
USRP31HWM	BINARY	CMF	4	AVG	Program storage HWM above 16M		42
USTG24CNT	BINARY	CMF	4	AVG	Number of user getmains below 16M		27
USTG24HWM	BINARY	CMF	4	AVG	User task storage HWM below 16M		31
USTG24OCC	BINARY	CMF	8	AVG	User task storage occupancy below 16M		35
USTG31CNT	BINARY	CMF	4	AVG	Number of user getmains above 16M		28
USTG31HWM	BINARY	CMF	4	AVG	User task storage HWM above 16M		32
USTG31OCC	BINARY	CMF	8	AVG	User task storage occupancy above 16M		36
WAITCNT	CNUMERIC	CMF	4	AVG	Dispatch wait count		90
WAITTIME	INT16US	CMF	8	AVG	Dispatch wait time		75
WBCHRIN	BINARY	CMF	4	AVG	WEB characters received		204
WBCHROUT	BINARY	CMF	4	AVG	WEB characters sent		206
WBRCVCT	BINARY	CMF	4	AVG	WEB receive requests		203
WBREPWCT	BINARY	CMF	4	AVG	WEB repository writes		208

Table 67. MLOCTRAN resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
WBSENDCT	BINARY	CMF	4	AVG	WEB send requests		205
WBTOTCT	BINARY	CMF	4	AVG	WEB total requests		207

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MLSRPBUF Resource Table

A CICS Monitored resource that describes a subset of the LSR pool buffer attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is POOLSIZE TYPE. While the MLSRPBUF resource class identifies multiple key attributes, only the POOLSIZE TYPE attribute can be specified in an EVALDEF INSTANCE attribute.

The following actions are supported:

**DISCARD**

Remove the Monitored resource instance.

**RESET**

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

**External resource name**

**Length**

112

**Usage** API or WUI or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Monitored

**Copybook identifier**

EYUt1396

Table 68. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET			

Table 68. Valid CPSM operations (continued)

Operations	Actions	Parameters	Required
	RESET	None	N/A

Table 69. MLSRPBUF FEEDBACK error codes

Value	Code	Description
9	MLSRPBUF_NO_MON_DATA	No data for monitored resource
10	MLSRPBUF_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 70. MLSRPBUF resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
COUNT	BINARY	STAT	2	AVG	Number of buffers	20
CREADS	BINARY	STAT	4	AVG	Number of successful hiperspace CREADs	8
CURHREADRATE	RATE	CPSM	4	AVG	Hiperspace read rate for current sample	18
CURHWITRATE	RATE	CPSM	4	AVG	Hiperspace write rate for current sample	16
CURREADRATE	RATE	CPSM	4	AVG	Read rate for current sample	14
CURWITRATE	RATE	CPSM	4	AVG	Write rate for current sample	12
CWRITES	BINARY	STAT	4	AVG	Number of successful hiperspace CWRITES	9
FAILCREADS	BINARY	STAT	4	AVG	Number of failed hiperspace CREADs	10
FAILCWRITES	BINARY	STAT	4	AVG	Number of failed hiperspace CWRITES	11
HIPERBUFF	BINARY	STAT	4	AVG	Number of hiperspace buffers	3
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval identifier	1
INTHREADRATE	RATE	CPSM	4	AVG	Hiperspace read rate for interval	19
INTHWITRATE	RATE	CPSM	4	AVG	Hiperspace write rate for interval	17
INTREADRATE	RATE	CPSM	4	AVG	Read rate for interval	15
INTWITRATE	RATE	CPSM	4	AVG	Write rate for interval	13
LOOKASIDES	BINARY	STAT	4	AVG	Number of successful lookasides	4
NONUWRITE	BINARY	STAT	4	AVG	Number of non-user initiated writes	7
<b>POOLSIZE-1</b>	CHAR	STAT	9	DIFF	Pool identifier/buffer size/buffer type	2
READS	BINARY	STAT	4	AVG	Number of buffer reads	5
USERIWRITE	BINARY	STAT	4	AVG	Number of user initiated writes	6

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## MLSRPOOL Resource Table

A CICS Monitored resource that describes a subset of the LSR pool attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is LSRPOOLID.

The following actions are supported:

### DISCARD

Remove the Monitored resource instance.

### RESET

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

### External resource name

#### Length

208

**Usage** API or WUI or EVALDEF

#### API view

Yes

#### CMAS context

No

#### SCOPE applies

Yes

#### Only query CMASs in workload

No

#### Object type

CICS Monitored

#### Copybook identifier

EYUt1374

Table 71. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 72. MLSRPOOL FEEDBACK error codes

Value	Code	Description
9	MLSRPOOL_NO_MON_DATA	No data for monitored resource
10	MLSRPOOL_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 73. MLSRPOOL resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	

Table 73. MLSRPOOL resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
CREATETIME	DECTSTP	STAT	4	MAX	Local create time	2
CURDBHITRATE	RATE	CPSM	4	AVG	Data buffer lookaside rate for current sample	19
CURDHREARATE	RATE	CPSM	4	AVG	Data buffer CREAD rate for current sample	27
CURDHWIRATE	RATE	CPSM	4	AVG	Data buffer CWRITE rate for current sample	25
CURDREADRATE	RATE	CPSM	4	AVG	Data buffer read rate for current sample	23
CURDWRITRATE	RATE	CPSM	4	AVG	Data buffer write rate for current sample	21
CURIBHITRATE	RATE	CPSM	4	AVG	Index buffer lookaside rate for current sample	39
CURIHREARATE	RATE	CPSM	4	AVG	Index buffer CREAD rate for current sample	47
CURIHWIRATE	RATE	CPSM	4	AVG	Index buffer CWRITE rate for current sample	45
CURIREADRATE	RATE	CPSM	4	AVG	Index buffer read rate for current sample	43
CURIWRITRATE	RATE	CPSM	4	AVG	Index buffer write rate for current sample	41
DBLOOKASIDE	BINARY	STAT	4	AVG	Number of successful lookasides to data buffers	11
DBNUWRITE	BINARY	STAT	4	AVG	Number of non user-initiated data buffer writes	14
DBREAD	BINARY	STAT	4	AVG	Number of read I/Os to data buffers	12
DBUFFCNT	BINARY	STAT	4	AVG	Number of data buffers	9
DBUIWRITE	BINARY	STAT	4	AVG	Number of user-initiated data buffer writes	13
DCREAD	BINARY	STAT	4	AVG	Number of successful data buffer CREAD requests	15
DCWRITE	BINARY	STAT	4	AVG	Number of successful data buffer CWRITE requests	16
DELETETIME	DECTSTP	STAT	4	MAX	Local delete time	3
DFAILCREAD	BINARY	STAT	4	AVG	Number of failed data buffer CREAD requests	17
DFAILCWRITE	BINARY	STAT	4	AVG	Number of failed data buffer CWRITE requests	18
DHIPERBUF	BINARY	STAT	4	AVG	Number of Hiperspace data buffers	10
IBLOOKASIDE	BINARY	STAT	4	AVG	Number of lookaside index buffer reads	31
IBNUWRITE	BINARY	STAT	4	AVG	Number of non user-initiated index buffer writes	34
IBREADS	BINARY	STAT	4	AVG	Total number of index buffer reads	32
IBUFFCNT	BINARY	STAT	4	AVG	Number of index buffers	29
IBUIWRITE	BINARY	STAT	4	AVG	Number of user-initiated index buffer writes	33
ICREAD	BINARY	STAT	4	AVG	Number of successful index buffer CREAD requests	35
ICWRITE	BINARY	STAT	4	AVG	Number of successful index buffer CWRITE requests	36
IDHIPERBUF	BINARY	STAT	4	AVG	Number of Hiperspace index buffers	30
IDXDATFLG	BIT	STAT	1	LIKE	Separate data and index flag	50
IFAILCREAD	BINARY	STAT	4	AVG	Number of failed index buffer CREAD requests	37



Table 73. MLSRPOOL resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
IFAILCWRITE	BINARY	STAT	4	AVG	Number of failed index buffer CWRITE requests	38
INTDBHITRATE	RATE	CPSM	4	AVG	Data buffer lookaside rate for monitor interval	20
INTDHREARATE	RATE	CPSM	4	AVG	Data buffer CREAD rate for monitor interval	28
INTDHWIRATE	RATE	CPSM	4	AVG	Data buffer CWRITE rate for monitor interval	26
INTDREADRATE	RATE	CPSM	4	AVG	Data buffer read rate for monitor interval	24
INTDWITRATE	RATE	CPSM	4	AVG	Data buffer write rate for monitor interval	22
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval ID	1
INTIBHITRATE	RATE	CPSM	4	AVG	Index buffer lookaside rate for monitor interval	40
INTIHREARATE	RATE	CPSM	4	AVG	Index buffer CREAD rate for monitor interval	48
INTIHWIRATE	RATE	CPSM	4	AVG	Index buffer CWRITE rate for monitor interval	46
INTIREADRATE	RATE	CPSM	4	AVG	Index buffer read rate for monitor interval	44
INTIWITRATE	RATE	CPSM	4	AVG	Index buffer write rate for monitor interval	42
<b>LSRPOOLID-1</b>	BINARY	STAT	2	AVG	LSR pool number	7
MAXCCURSTR	BINARY	STAT	2	AVG	Peak number of concurrent active strings	49
MAXKEYLEN	BINARY	STAT	2	AVG	Maximum key length	4
PEAKWAITREQ	BINARY	STAT	2	AVG	Peak number of requests waiting	6
TOTSTRINGS	BINARY	STAT	2	AVG	Total number of strings	5
TOTWAITREQ	BINARY	STAT	4	AVG	Total number of string waits	8

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MMODNAME Resource Table

A CICS Monitored resource that describes a subset of the modename attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is CONNECTION.

The **Secondary** key field for this resource class is NAME.

While the MMODNAME resource class identifies multiple key attributes, only the CONNECTION attribute can be specified in an EVALDEF INSTANCE attribute.

The following actions are supported:

#### DISCARD

Remove the Monitored resource instance.

#### RESET

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

**External resource name**

**Length**

48

**Usage** API or WUI or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Monitored

**Copybook identifier**

EYUt1376

Table 74. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 75. MMODNAME FEEDBACK error codes

Value	Code	Description
9	MMODNAME_NO_MON_DATA	No data for monitored resource
10	MMODNAME_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 76. MMODNAME resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
<b>CONNECTION-1</b>	CHAR	INQ	4	DIFF	Connection name	3
CONNSTATUS	CVDAS	INQ	4	LIKE	Connection status	4
CONNSTATUS Output valid values		RELEASED, OBTAINING, ACQUIRED, FREEING, AVAILABLE				
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval ID	1
<b>NAME-2</b>	CHAR	INQ	8	DIFF	Mode name	2
SESSACTV	BINARY	INQ	2	SUM	Number of active sessions	5
SESSAVAIL	BINARY	INQ	2	SUM	Number of sessions available	6
SESSMAX	BINARY	INQ	2	MAX	Maximum number of sessions	7
SESSMAXWIN	CNUMERIC	INQ	2	MAX	Maximum number of contention winner sessions	8

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## MNTRATDQ Resource Table

A CICS Monitored resource that describes a subset of the intrapartition transient data queue attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is TDQUEUE.

The following actions are supported:

### DISCARD

Remove the Monitored resource instance.

### RESET

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

### External resource name

### Length

72

**Usage** API or WUI or EVALDEF

### API view

Yes

### CMAS context

No

### SCOPE applies

Yes

### Only query CMASs in workload

No

### Object type

CICS Monitored

### Copybook identifier

EYUt1385

Table 77. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 78. MNTRATDQ FEEDBACK error codes

Value	Code	Description
9	MNTRATDQ_NO_MON_DATA	No data for monitored resource
10	MNTRATDQ_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 79. MNTRATDQ resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
ATIFACILITY	CVDAS	INQ	4	LIKE	ATI facility	3
ATIFACILITY Output valid values	TERMINAL, NOTERMINAL					
ATITERMID	CHAR	INQ	4	DIFF	ATI terminal identifier	4
ATITRANID	CHAR	INQ	4	DIFF	ATI transaction identifier	5
ATIUSERID	CHAR	INQ	8	DIFF	ATI user identifier	12
CURROUTQRATE	RATE	CPSM	4	AVG	Output rate for current sample	10
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval identifier	1
INTOUTQRATE	RATE	CPSM	4	AVG	Output rate for interval	11
NUMITEMS	BINARY	INQ	4	SUM	Number of items	7
OUTCNT	BINARY	STAT	4	SUM	Number of I/O requests	9
STATUS	CVDAS	INQ	4	LIKE	Enable status	6
STATUS Output valid values	ENABLED, DISABLED					
<b>TDQUEUE-1</b>	CHAR	INQ	4	DIFF	Queue identifier	2
TRIGGERLEVEL	BINARY	INQ	4	MAX	Trigger level	8

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MODENAME Resource Table

A CICS Resource that describes an LU6.2 modename in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is CONNECTION.

The **Secondary** key field for this resource class is NAME.

While the MODENAME resource class identifies multiple key attributes, only the CONNECTION attribute can be specified in an EVALDEF INSTANCE attribute.

The following actions are supported:

**ACQUIRE**

Acquire a modename.

**CLOSE**

Close a modename.

These actions require no unique parameter data.

**External resource name**

CICSLU62ModeName

**Length**

48

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**  
Yes

**CMAS context**  
No

**SCOPE applies**  
Yes

**Only query CMASs in workload**  
No

**Object type**  
CICS Resource

**Copybook identifier**  
EYUt0007

Table 80. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM	ACQUIRE	None	N/A
SET	CLOSE	None	N/A

Table 81. MODENAME resource table attributes

Name	Datatype	Source	Len	Sum	Set	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved	
AUTOCONN	CVDAS	INQ	4	LIKE	No	Autoconnect status	3
AUTOCONN Output valid values	ALLCONN, AUTOCONN, NONAUTOCONN						
<b>CONNECTION-1</b>	CHAR	INQ	4	DIFF	No	Connection name	2
CONNSTATUS	CVDAS	INQ	4	LIKE	Yes	Connection status	4
CONNSTATUS Input/output valid values	ACQUIRED						
CONNSTATUS Input valid values	CLOSED						
CONNSTATUS Output valid values	RELEASED, OBTAINING, FREEING, AVAILABLE						
<b>NAME-2</b>	CHAR	INQ	8	DIFF	No	Mode name	1
SESSACTV	BINARY	INQ	2	AVG	No	Number of active sessions	5
SESSAVAIL	BINARY	INQ	2	AVG	Yes	Number of sessions available	6
SESSMAX	BINARY	INQ	2	AVG	No	Maximum number of sessions	7
SESSMAXWIN	BINARY	INQ	2	AVG	No	Maximum number of contention winner sessions	8

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## MONDEF Resource Table

A CPSM Monitor Definition that describes the monitoring requirements for a class of CICS resources. Monitoring requirements include both CICSplex SM resource and resource status facility status monitoring. The resource class and name selection criteria are identified by the attribute values.

The **Primary** key field for this resource class is NAME.

The following action is supported:

### INSTALL

Install the definition into each active CICS system that has monitoring active within the specified scope. If provided the PERIODEF is used to determine the valid operational time of the MONDEF.

The parameter data for the INSTALL action is:

PARM('[PERIOD(period)].')

where:

period = The name of a PERIODEF definition.

The MONDEF is installed in each active CICS system in the current scope that has Monitoring active. If provided, the PERIODEF definition is used to determine the valid operational time of the MONDEF.

### External resource name

CICSMonitorDefinition

### Length

128

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

### API view

No

### CMAS context

No

### SCOPE applies

No

### Only query CMASs in workload

No

### Object type

CICSplex SM Definition

### Copybook identifier

EYUt3510

Table 82. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
UPDATE		None	N/A
REMOVE		None	N/A
PERFORM	INSTALL	PERIOD(value)	No
SET			

Table 82. Valid CPSM operations (continued)

Operations	Actions	Parameters	Required
		SCOPE(value)	No
	ADDTOGRP	ACTIVETIME(value)	No
		RESGROUP(value)	Yes

Table 83. MONDEF FEEDBACK error codes

Value	Code	Description
1	MONDEF_INV_DATA	Attribute data invalid
2	MONDEF_REC_NOT_FOUND	Requested resource not found
3	MONDEF_INV_REFERENCE	Name not found
4	MONDEF_REC_EXISTS	Resource already exists
5	MONDEF_REC_CHANGED	Resource definition already changed
21	MONDEF_PARTIAL_INSTALL	Partial install
22	MONDEF_MON_OFF	Monitoring off
23	MONDEF_NOT_INSTALLED	Not installed
24	MONDEF_INV_PERIOD	Period invalid

Table 84. MONDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			17
CHANGEAGENT Input/output valid values	DREPAPI								
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			20
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification			1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			19
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created			18
DESC	CHAR	CPSM	58	No	DIFF	Description			9
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999	16
INCLUDE	EYUDA	CPSM	4	Yes	LIKE	Inclusion in CPSM monitoring option	YES		8
INCLUDE Input/output valid values	YES, NO								
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name			5
RESCLASS	EYUDA	CPSM	4	Yes	LIKE	Monitoring resource class			7
RESCLASS Input/output valid values	MCONN, MFILE, MJRNL, MPROG, MTERM, MTRAN, MTDQS								
RESNAME	CHAR	CPSM	8	Yes	DIFF	Name or generic name of resource being monitored			6
RODMPOP	EYUDA	CPSM	4	Yes	LIKE	Resource status facility population	NO		11
RODMPOP Input/output valid values	YES, NO								

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## MONGROUP Resource Table

A CPSM Monitor Definition that provides the association anchor for a set of MONDEF definitions. References to the MONGROUP are inferred to be references to the set of associated MONDEF instances.

The **Primary** key field for this resource class is NAME.

The following action is supported:

### INSTALL

Install the set of MONDEF definitions in the group into each active CICS system that has monitoring active within the specified scope.

The INSTALL action requires no unique parameter data.

The set of MONDEFs is installed in each active CICS system in the current scope that has Monitoring active.

### External resource name

CICSMonitorGroup

### Length

112

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

### API view

No

### CMAS context

No

### SCOPE applies

No

### Only query CMASs in workload

No

### Object type

CICSplex SM Definition

### Copybook identifier

EYUt3504

Table 85. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
UPDATE		None	N/A
REMOVE		None	N/A
PERFORM	INSTALL	SCOPE(value)	No
SET	ADDTOSPC	SPEC(value)	Yes

Table 86. MONGROUP FEEDBACK error codes

Value	Code	Description
1	MONGROUP_INV_DATA	Attribute data invalid
2	MONGROUP_REC_NOT_FOUND	Requested resource not found



Table 86. MONGROUP FEEDBACK error codes (continued)

Value	Code	Description
3	MONGROUP_INV_REF	Name not found
4	MONGROUP_REC_EXISTS	Resource already exists
5	MONGROUP_REC_CHANGED	Resource definition already changed
21	MONGROUP_PARTIAL_INSTALL	Partial install
22	MONGROUP_MON_OFF	Monitoring off
23	MONGROUP_NOT_INSTALLED	Not installed
24	MONGROUP_NOT_UNIQUE	Not unique

Table 87. MONGROUP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			8
CHANGEAGENT Input/output valid values	DREPAPI								
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification			1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created			9
DESC	CHAR	CPSM	58	No	DIFF	Description			6
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999	7
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name			5

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MONINGRP Resource Table

A CPSM Monitor Definition that describes the membership of a monitor definition (MONDEF) in a monitor group (MONGROUP). A MONDEF can be a member of multiple MONGROUPs.

The **Primary** key field for this resource class is GROUP.

The **Secondary** key field for this resource class is DEFNAME.

There are no object specific actions for this resource class.

#### External resource name

CICSMonitorResourceInGroup

#### Length

64

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

#### API view

No

#### CMAS context

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt5380

*Table 88. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
UPDATE		None	N/A
REMOVE		None	N/A

*Table 89. MONINGRP FEEDBACK error codes*

Value	Code	Description
1	MONINGRP_INV_DATA	Attribute data invalid
2	MONINGRP_REC_NOT_FOUND	Requested resource not found
3	MONINGRP_INV_REFERENCE	Attribute references an invalid resource
4	MONINGRP_REC_EXISTS	Resource already exists
5	MONINGRP_REC_CHANGED	Resource definition already changed

*Table 90. MONINGRP resource table attributes*

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
ACTIVETIME	CHAR	CPSM	8	No	DIFF	Period definition	7
CHANGEAGENT	CV DAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>DEFNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	Monitor definition	6
<b>GROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Monitor group	5

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## MONINSPC Resource Table

A CPSM Monitor Definition that describes the membership of a monitor group (MONGROUP) in a monitor specification (MONSPEC). A MONGROUP can be a member of multiple MONSPECS.

The **Primary** key field for this resource class is SPEC.

The **Secondary** key field for this resource class is GROUP.

There are no object specific actions for this resource class.

**External resource name**

CICSMonitorGroupInSpecification

**Length**

56

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt5121

*Table 91. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

*Table 92. MONINSPC FEEDBACK error codes*

Value	Code	Description
2	MONINSPC_REC_NOT_FOUND	Requested resource not found
3	MONINSPC_INV_REFERENCE	Attribute references an invalid resource
4	MONINSPC_REC_EXISTS	Resource already exists

*Table 93. MONINSPC resource table attributes*

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	7
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	10
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	9
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	8
<b>GROUP-2</b>	CHAR	CPSM	8	Yes	DIFF	Monitor group	6
<b>SPEC-1</b>	CHAR	CPSM	8	Yes	DIFF	Monitor specification	5

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MONITOR Resource Table

This CICS resource provides CICS monitoring and statistics information in an active system being managed by CICSplex SM.

The MONITOR resource class does not provide an explicit key attribute. The set of object instances returned is a function of the scope in effect when the request is made.

This resource class has no object specific actions.

**External resource name**

CICSMonitoringAndStatistics

**Length**

368

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0125

Table 94. Valid CPSM operations

Operations	Actions	Parameters	Required
GET	STATISTICS	None	N/A
SET		None	N/A
PERFORM		ALL	No
SET			
		ATOMSERVICE	No
		AUTOINSTALL	No
		BEAN	No
		BUNDLE	No
		CAPTURESPEC	No
		CONNECTION	No
		CORBASERVER	No
		DB2	No
		DISPATCHER	No
		DOCTEMP	No
		ENQUEUE	No
		EVENTBINDING	No
		EVENTPROCESS	No
		FEPI	No
		FILE	No
		IPCONN	No
		JOURNAL	No

Table 94. Valid CPSM operations (continued)

Operations	Actions	Parameters	Required
		JVMPOOL	No
		JVMPROFILE	No
		JVMPROGRAM	No
		JVMSERVER	No
		LIBRARY	No
		LSRPOOL	No
		MONITOR	No
		MQCONN	No
		PIPELINE	No
		PROGAUTOINS	No
		PROGRAM	No
		PROGRAMDEF	No
		RECOVERY	No
		REQUESTMODEL	No
		RESETNOW	No
		STATISTICS	No
		STORAGE	No
		STREAMNAME	No
		SYSDUMP	No
		TABLEMGR	No
		TCPIP	No
		TCPIPSERVICE	No
		TEMPSTOR	No
		TERMINAL	No
		TRANCLASS	No
		TRANDATA	No
		TRANDUMP	No
		TRANSACTION	No
		URIMAP	No
		VTAM	No
		WEBSERVICE	No
		XMLTRANSFORM	No

Table 95. MONITOR FEEDBACK error codes

Value	Code	Description
21	XMONITOR_RESOURCE_REQUIRED	Resource required

Table 96. MONITOR resource table attributes

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Set Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved			
APPLNAMEST	CVDAS	INQ	4	LIKE	No	Application naming option			59
APPLNAMEST Output valid values	NOAPPLNAME, APPLNAME								
COMPRESSST	CVDAS	INQ	4	LIKE	Yes	Compression status option			61
COMPRESSST Input/output valid values	COMPRESS, NOCOMPRESS								
CONVERSEST	CVDAS	INQ	4	LIKE	Yes	Performance record for conversational task option			1

Table 96. MONITOR resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Set Invalid	Attr ID
CONVERSEST Input/output valid values	CONVERSE, NOCONVERSE								
DPLLIMIT	BINARY	INQ	2	SUM	Yes	Distributed program link limit		E640 E650	62
ENDOFDAY	DECIMAL	INQ	4	MAX	Yes	Statistics end-of-day time			38
EXCEPTCLASS	CVDAS	INQ	4	LIKE	Yes	Exception class status			2
EXCEPTCLASS Input/output valid values	EXCEPT, NOEXCEPT								
FILELIMIT	BINARY	INQ	2	SUM	Yes	File resource limit		E640 E650	57
FREQUENCY	DECIMAL	INQ	4	MAX	Yes	Long-running task performance record frequency			3
IDNTYCLASS	CVDAS	INQ	4	LIKE	Yes	Identity class status		E640 E650	64
IDNTYCLASS Input/output valid values	IDNTY, NOIDNTY								
INTERVAL	DECIMAL	INQ	4	MAX	Yes	Statistics collection interval			37
MNGAUTRT	INTTSTP	STAT	8	LIKE	No	Average user transaction resp time	E640 E650 E660 E670 E680		75
MNGCAUTA	BINARY	STAT	4	LIKE	No	Current tasks at last attach	E640 E650 E660 E670 E680		74
MNGCPUT	INTTSTP	STAT	8	LIKE	No	Total transaction CPU time	E640 E650 E660 E670 E680 E690		78
MNGER	BINARY	STAT	4	AVG	No	Number of CMF exception records			14
MNGERS	BINARY	STAT	4	AVG	No	Number of CMF exception records suppressed by exit			15
MNGIR	BINARY	STAT	4	AVG	No	Number of CMF identity records	E640 E650		65
MNGIRS	BINARY	STAT	4	AVG	No	Number of CMF identity records suppressed by exit	E640 E650		66
MNGLUTAT	DATETIME	STAT	8	LIKE	No	Time last user transaction attached	E640 E650 E660 E670 E680		71
MNGLUTCL	DATETIME	STAT	8	LIKE	No	Time last user transaction ended	E640 E650 E660 E670 E680		72
MNGLUTRT	DATETIME	STAT	8	LIKE	No	Time the peak user transaction resp time was recorded	E640 E650 E660 E670 E680		77
MNGMXUTA	BINARY	STAT	4	LIKE	No	MXT at last user transaction attach	E640 E650 E660 E670 E680		73

Table 96. MONITOR resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Set Invalid	Attr ID
MNGOFLCP	INTTSTP	STAT	8	LIKE	No	Total transaction CPU time offload on CP	E640 E650 E660 E670 E680 E690		80
MNGPR	BINARY	STAT	4	AVG	No	Number of CMF performance records			16
MNGPRS	BINARY	STAT	4	AVG	No	Number of performance records suppressed by exit			17
MNGPUTRT	INTTSTP	STAT	8	LIKE	No	Peak user transaction resp time	E640 E650 E660 E670 E680		76
MNGRR	BINARY	STAT	4	AVG	No	Number of CMF resource records			20
MNGRRS	BINARY	STAT	4	AVG	No	Number of CMF resource records suppressed by exit			21
MNGSMFR	BINARY	STAT	4	AVG	No	Number of SMF records for CMF			18
MNGSMFRS	BINARY	STAT	4	AVG	No	Number of SMF errors for CMF			19
MNGSTNUM	BINARY	STAT	4	LIKE	No	System transactions ended	E640 E650 E660 E670 E680		69
MNGTONCP	INTTSTP	STAT	8	LIKE	No	Total transaction CPU time on CP	E640 E650 E660 E670 E680 E690		79
MNGUTNUM	BINARY	STAT	4	LIKE	No	User transactions ended	E640 E650 E660 E670 E680		68
NUMCMF2SMF	RATE3	CPSM	8	AVG	No	Rate of SMF writes for CMF			41
NUMSTAT2SMF	RATE3	CPSM	8	AVG	No	Rate of SMF writes for statistics			42
PERFCLASS	CVDAS	INQ	4	LIKE	Yes	Performance class status			4
PERFCLASS Input/output valid values	PERF, NOPERF								
PEXCSUPR	PERCENT3	CPSM	4	AVG	No	Percent exception records suppressed to SMF writes			47
PIDNSUPR	PERCENT3	CPSM	4	AVG	No	Percent identity records suppressed to writes	E640 E650		67
PPERSUPR	PERCENT3	CPSM	4	AVG	No	Percent performance records suppressed to writes			48
PRESSUPR	PERCENT3	CPSM	4	AVG	No	Percent resource records suppressed to SMF writes			49
PSMFWERRC	PERCENT3	CPSM	4	AVG	No	Percentage of SMF errors to writes for CMF			43
PSMFWERRS	PERCENT3	CPSM	4	AVG	No	Percent of SMF errors to writes for statistics			44
PSTASUPR	PERCENT3	CPSM	4	AVG	No	Percent of statistics records suppressed to writes			50
RECORDING	CVDAS	INQ	4	LIKE	Yes	STATRCD recording			39
RECORDING Input/output valid values	ON, OFF								

Table 96. MONITOR resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Set Invalid	Attr ID
RESRCECLASS	CVDAS	INQ	4	LIKE	Yes	Resource class status			5
RESRCECLASS Input/output valid values	NORESRCCE, RESRCE								
RMIST	CVDAS	INQ	4	LIKE	No	RMI option			60
RMIST Output valid values	NORMI, RMI								
RSMFWERRC	RATE3	CPSM	8	AVG	No	Rate of SMF write errors for CMF			45
RSMFWERRS	RATE3	CPSM	8	AVG	No	Rate of SMF write errors for statistics			46
RSMFWRITE	RATE3	CPSM	8	AVG	No	Rate of CMF and statistics records written to SMF			54
RSTAWRITE	RATE3	CPSM	8	AVG	No	Statistics write request rate before suppression			52
STATUS	CVDAS	INQ	4	LIKE	Yes	Monitoring status			6
STATUS Input/output valid values	ON, OFF								
STGCSTRT	TIMESTP	STAT	8	MAX	No	Statistics CICS start time			35
STGEODR	BINARY	STAT	4	AVG	No	Number of EOD statistics records			31
STGINTR	BINARY	STAT	4	AVG	No	Number of INT statistics records			30
STGLDW	BINARY	STAT	4	AVG	No	Length of statistics data written			27
STGLRT	TIMESTP	STAT	8	MAX	No	Statistics last reset time			36
STGNC	BINARY	STAT	4	AVG	No	Number of interval collections			25
STGREQR	BINARY	STAT	4	AVG	No	Number of REQ statistics records			33
STGRRTR	BINARY	STAT	4	AVG	No	Number of RRT statistics records			34
STGSMFE	BINARY	STAT	4	AVG	No	Number of SMF errors for statistics			29
STGSMFS	BINARY	STAT	4	AVG	No	Number of SMF writes suppressed for statistics			28
STGSMFW	BINARY	STAT	4	AVG	No	Number of SMF writes for statistics			26
STGUSSR	BINARY	STAT	4	AVG	No	Number of USS statistics records			32
SUBSYSTEMID	CHAR	INQ	4	DIFF	No	SYSEVENT class subsystem ID	E650+		7
SYNCPOINTST	CVDAS	INQ	4	LIKE	Yes	Performance record at syncpoint option			8
SYNCPOINTST Input/output valid values	SYNCPOINT, NOSYNCPOINT								
TIME	CVDAS	INQ	4	LIKE	No	Monitor reports clock value			9
TIME Output valid values	GMT, LOCAL								
TOTCICSSTAT	BINARY	CPSM	8	AVG	No	Total statistics records write attempts to SMF			51
TSMFWrites	BINARY	CPSM	8	AVG	No	Total number of SMF write requests			53
TSQUEUELIMIT	BINARY	INQ	2	SUM	Yes	Temporary storage queue limit		E640 E650	58

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific



characteristics of a resource class.

## MONSPEC Resource Table

A CPSM Monitor Definition that describes the control directives for monitoring a set of CICS systems. Using group associators, a MONSPEC object can determine which MONDEF instances are to be installed in each CICS system. Using scope link associators (LNKSMSCS), a MONSPEC object can determine which CICS systems fall under its processing scope. A CICS System can have a scope link associator to only one MONSPEC.

The **Primary** key field for this resource class is NAME.

**External resource name**

CICSMonitorSpecification

**Length**

168

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt3511

Table 97. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
UPDATE		None	N/A
REMOVE		None	N/A
PERFORM	ADDSYSGRP	FORCE	Yes
SET		GROUP(value)	Yes
		NONE	Yes
		NULL	Yes
	ADDSYSDEF	SYSTEM(value)	Yes

Table 98. MONSPEC FEEDBACK error codes

Value	Code	Description
1	MONSPEC_INV_DATA	Attribute data invalid
2	MONSPEC_REC_NOT_FOUND	Requested resource not found
4	MONSPEC_REC_EXISTS	Resource already exists
5	MONSPEC_REC_CHANGED	Resource definition already changed
6	MONSPEC_RODMCMAS_NOT_FOUND	RODM CMAS Not Found

Table 98. MONSPEC FEEDBACK error codes (continued)

Value	Code	Description
7	MONSPEC_INV_REFERENCE	Does not exist
8	MONSPEC_LNKASSOC_EXISTS	Association already exists

Table 99. MONSPEC resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
ACTSTATUS	EYUDA	CPSM	4	Yes	LIKE	Monitor activation status	INACTIVE		27
ACTSTATUS Input/output valid values	ACTIVE, INACTIVE								
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			31
CHANGEAGENT Input/output valid values	DREPAPI								
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			34
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification			1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			33
CICSSAMP	BINARY	CPSM	4	Yes	AVG	Sample interval for CICS region monitoring	0	0-86400	8
CONNSAMP	BINARY	CPSM	4	Yes	AVG	Sample interval for connection monitoring	0	0-86400	14
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created			32
DBXSAMP	BINARY	CPSM	4	Yes	AVG	Sample interval for DB2 and DBCTRL monitoring	0	0-86400	12
DESC	CHAR	CPSM	58	No	DIFF	Description			28
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999	30
FILESAMP	BINARY	CPSM	4	Yes	AVG	Sample interval for file monitoring	0	0-86400	16
GLBLSAMP	BINARY	CPSM	4	Yes	AVG	Sample interval for global region monitoring	0	0-86400	10
JRNLSAMP	BINARY	CPSM	4	Yes	AVG	Sample interval for journal monitoring	0	0-86400	18
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Specification			5
PROGSAMP	BINARY	CPSM	4	Yes	AVG	Sample interval for program monitoring	0	0-86400	20
RETENTION	BINARY	CPSM	4	Yes	AVG	Data retention period	0	0-1440	6
RODMCMAS	CHAR	CPSM	8	No	DIFF	Resource status facility CMAS name			29
TDQSAMP	BINARY	CPSM	4	Yes	AVG	Sample interval for TDQ monitoring	0	0-86400	24
TERMSAMP	BINARY	CPSM	4	Yes	AVG	Sample interval for terminal monitoring	0	0-86400	22
TRANSAMP	BINARY	CPSM	4	Yes	AVG	Sample interval for transaction monitoring	0	0-86400	26

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## MPROGRAM Resource Table

A CICS Monitored resource that describes a subset of the program attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is PROGRAM.

The following actions are supported:

### DISCARD

Remove the Monitored resource instance.

### RESET

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

### External resource name

#### Length

120

**Usage** API or WUI or EVALDEF

#### API view

Yes

#### CMAS context

No

#### SCOPE applies

Yes

#### Only query CMASs in workload

No

#### Object type

CICS Monitored

#### Copybook identifier

EYUt1377

Table 100. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 101. MPROGRAM FEEDBACK error codes

Value	Code	Description
9	MPROGRAM_NO_MON_DATA	No data for monitored resource
10	MPROGRAM_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 102. MPROGRAM resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	

Table 102. MPROGRAM resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
CURAVGFETCH	INT16US	INQ	4	MAX	Average fetch time for current sample	22
CURRUSEPCT	PERCENT	CPSM	4	AVG	% of times program reused - current sample	10
CURUSERATE	RATE	CPSM	4	AVG	Program access rate for current sample	6
EXECKEY	CVDAS	INQ	4	LIKE	Program execution key	13
EXECKEY Output valid values	CICSEXECKEY, USEREXECKEY, NOTAPPLIC					
FETCHCNT	BINARY	STAT	4	AVG	Number of times program loaded into storage	9
FETCHTIME	INT16US	STAT	4	AVG	Total time for all program fetches	20
HOLDSTATUS	CVDAS	INQ	4	LIKE	Hold status	15
HOLDSTATUS Output valid values	HOLD, NOHOLD, NOTAPPLIC					
INTAVGFETCH	INT16US	INQ	4	MAX	Average fetch time for monitor interval	23
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval ID	1
INTRUSEPCT	PERCENT	CPSM	4	AVG	% of times program reused - monitor interval	11
INTUSERATE	RATE	CPSM	4	AVG	Program access rate for monitor interval	7
LENGTH	BINARY	INQ	4	AVG	Program length	17
LPASTAT	CVDAS	INQ	4	LIKE	Link pack area (LPA) status	18
LPASTAT Output valid values	LPA, NOTLPA, NOTAPPLIC					
NEWCOPYCNT	CNUMERIC	STAT	4	AVG	Number of NEWCOPY requests issued	3
<b>PROGRAM-1</b>	CHAR	INQ	8	DIFF	Program name	2
PROGTYPE	CVDAS	INQ	4	LIKE	Program type	19
PROGTYPE Output valid values	PROGRAM, MAP, PARTITIONSET					
REMOVECNT	CNUMERIC	STAT	4	AVG	Number of times removed by program compression	21
RESCOUNT	BINARY	INQ	4	AVG	Number of times program currently accessed	8
RPLID	CNUMERIC	STAT	4	AVG	DFHRPL data set number	16
SHARESTATUS	CVDAS	INQ	4	LIKE	Share status	14
SHARESTATUS Output valid values	PRIVATE, SHARED, NOTAPPLIC					
STATUS	CVDAS	INQ	4	LIKE	Enabled status	12
STATUS Output valid values	ENABLED, DISABLED					
USEAGELSTAT	CNUMERIC	STAT	4	AVG	Number of times program accessed since last reset	5
USECOUNT	BINARY	INQ	4	SUM	Total number of times program executed	4

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## MQCINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a WebSphere® MQ connection definition (MQCONDEF) in a resource group (RESGROUP). An MQCONDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is MQCGROUP.

The **Secondary** key field for this resource class is MQCNAME.

The **Tertiary** key field for this resource class is MQCVER.

There are no object specific actions for this resource class.

**External resource name**

**Length**

56

**Usage** API or Batch Utility or WUI

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt6185

Table 103. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

Table 104. MQCINGRP FEEDBACK error codes

Value	Code	Description
1	MQCINGRP_INV_DATA	Attribute data invalid
2	MQCINGRP_REC_NOT_FOUND	Requested resource not found
4	MQCINGRP_REC_EXISTS	Resource already exists
6	MQCINGRP_INV_RESTYPE	Invalid resource type
7	MQCINGRP_INV_VER	Invalid resource version
11	MQCINGRP_NON_MP	Maintenance point CMAS not available
12	MQCINGRP_INV_CONTEXT	Context not found
21	MQCINGRP_INCONSISTENT_SET	Inconsistent set
22	MQCINGRP_DIFF_VERSION	Different version
23	MQCINGRP_INV_NAME	Invalid name
24	MQCINGRP_INV_MINNAME	Invalid minor name

Table 105. MQCINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>MQCGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name	5
<b>MQCNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	MQ Connection definition name	6
<b>MQCVER-3</b>	BINARY	CPSM	1	Yes	AVG	MQ Connection definition version	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MQCON Resource Table

A CICS Resource that provides information about the WebSphere MQ connection definition (MQCONN resource definition) for the CICS system.

The **Primary** key field for this resource class is NAME.

The following actions are supported:

**CONNECT**

Connect to WebSphere MQ.

**DISCONNECT**

Disconnect from WebSphere MQ.

The parameter data for the DISCONNECT action is:

PARM('BUSY(*cvda*).')

where *cvda* is required and is one of the following valid CVDA values for the WebSphere MQ connection busy condition:

WAIT  
NOWAIT  
FORCE

**DISCARD**

Discard the WebSphere MQ connection definition.

**External resource name**

CICSMQConnection

**Length**

352

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0184

*Table 106. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM	CONNECT	None	N/A
SET			
	DISCONNECT	BUSY(WAIT, NOWAIT, FORCE)	Yes
	DISCARD	None	N/A

*Table 107. MQCON resource table attributes*

Name	Datatype	Source	Len	Sum	Set	Description	Default	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name		
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release		
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved		
BASDEFINEVER	BINARY	CPSM	1	AVG	No	BAS resource definition version	0	53
CHANGEAGENT	CVDAS	INQ	4	LIKE	No	Last modification agent		45
CHANGEAGENT Input/output valid values	CSDAPI, CSDBATC, DREPAPI, DREPBATCH, CREATESPI, NOTAPPLIC							
CHANGEAGREL	CHAR	INQ	4	DIFF	No	Last modification agent release		46
CHANGETIME	DATETIME	INQ	8	MAX	No	Last modification time		47
CHANGEUSRID	CHAR	INQ	8	DIFF	No	Last modification user ID		44
CONNECTST	CVDAS	INQ	4	LIKE	Yes	Connection status		10
CONNECTST Input/output valid values	CONNECTED, NOTCONNECTED							
CONNECTST Output valid values	CONNECTING, DISCONNING							
DEFINESOURCE	CHAR	INQ	8	DIFF	No	Source of the resource definition		48
DEFINETIME	DATETIME	INQ	8	MAX	No	Creation time		49
INSTALLAGENT	CVDAS	INQ	4	LIKE	No	Installation agent		52
INSTALLAGENT Input/output valid values	CSDAPI, CREATESPI, GRPLIST							
INSTALLTIME	DATETIME	INQ	8	MAX	No	Installation time		51
INSTALLUSRID	CHAR	INQ	8	DIFF	No	Installation user ID		50
MQGGMTCONN	DATETIME	INQ	8	MAX	No	GMT connection time		39
MQGGMTDISC	DATETIME	INQ	8	MAX	No	GMT disconnect time		41
MQGINDBTUOW	BINARY	STAT	4	AVG	No	Number of indoubt units of work		30
MQGINITQ	CHAR	STAT	48	DIFF	No	Initiation queue name		13
MQGLOCONN	DATETIME	INQ	8	MAX	No	Local connection time		40

Table 107. MQCON resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Default	Attr ID
MQGLOCDISC	DATETIME	INQ	8	MAX	No	Local disconnect time		42
MQGRESBACUW	BINARY	STAT	4	AVG	No	Number of resolved backout units of work		33
MQGRESCOMUW	BINARY	STAT	4	AVG	No	Number of resolved committed units of work		32
MQGT2PCOMM	BINARY	STAT	4	AVG	No	Number of two phase commit operations		38
MQGTAPI	BINARY	STAT	4	AVG	No	Number of WebSphere MQ API calls since WebSphere MQ connected		15
MQGTAPIOK	BINARY	STAT	4	AVG	No	Number of WebSphere MQ API calls completed successfully		16
MQGTBACKUOW	BINARY	STAT	4	AVG	No	Number of backout units of work		34
MQGTBUFMH	BINARY	STAT	4	AVG	No	Number of MQBUFMH requests		67
MQGTCALL	BINARY	STAT	4	AVG	No	Number of internal WebSphere MQ calls		17
MQGTCALLIO	BINARY	STAT	4	AVG	No	Number of WebSphere MQ calls that needed I/O		19
MQGTCALLSYNC	BINARY	STAT	4	AVG	No	Number of WebSphere MQ calls that completed synchronously		18
MQGTCB	BINARY	STAT	4	AVG	No	Number of MQCB requests		55
MQGTCLOSE	BINARY	STAT	4	AVG	No	Number of MQCLOSE requests		23
MQGTCOMMUOW	BINARY	STAT	4	AVG	No	Number of committed units of work		35
MQGTCONSUME	BINARY	STAT	4	AVG	No	Number of messages consumed		56
MQGTCRTMH	BINARY	STAT	4	AVG	No	Number of MQCRTMH requests		61
MQGTCTL	BINARY	STAT	4	AVG	No	Number of MQCTL requests		57
MQGTDLTMH	BINARY	STAT	4	AVG	No	Number of MQDLTMH requests		62
MQGDTLTMP	BINARY	STAT	4	AVG	No	Number of MQDLTMP requests		65
MQGTFUTATT	BINARY	STAT	4	AVG	No	Number of WebSphere MQ API calls when WebSphere MQ was not connected		14
MQGTGET	BINARY	STAT	4	AVG	No	Number of MQGET requests		24
MQGTGETWAIT	BINARY	STAT	4	AVG	No	Number of MQGET with wait requests		25
MQGTINQ	BINARY	STAT	4	AVG	No	Number of MQINQ requests		28
MQGTINQMP	BINARY	STAT	4	AVG	No	Number of MQINQMP requests		64
MQGTMHBUF	BINARY	STAT	4	AVG	No	Number of MQMHBUF requests		66
MQGTOPEN	BINARY	STAT	4	AVG	No	Number of MQOPEN requests		22
MQGTPUT	BINARY	STAT	4	AVG	No	Number of MQPUT requests		26
MQGTPUT1	BINARY	STAT	4	AVG	No	Number of MQPUT1 requests		27
MQGTSET	BINARY	STAT	4	AVG	No	Number of MQSET requests		29
MQGTSETMP	BINARY	STAT	4	AVG	No	Number of MQSETMP requests		63
MQGTSPCOMM	BINARY	STAT	4	AVG	No	Number of single phase commit operations		37



Table 107. MQCON resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Default	Attr ID
MQGTSTAT	BINARY	STAT	4	AVG	No	Number of MQSTAT requests		60
MQGTSUB	BINARY	STAT	4	AVG	No	Number of MQSUB requests		58
MQGTSUBRQ	BINARY	STAT	4	AVG	No	Number of MQSUBRQ requests		59
MQGTSUBTASK	BINARY	STAT	4	AVG	No	Number of WebSphere MQ calls that had a TCB switch		21
MQGTTASKEND	BINARY	STAT	4	AVG	No	Number of completed tasks		36
MQGTWAITMSG	BINARY	STAT	4	AVG	No	Number of MQGET with wait requests that waited		20
MQGUNRESUOW	BINARY	STAT	4	AVG	No	Number of unresolved units of work		31
MQNAME	CHAR	INQ	4	DIFF	Yes	WebSphere MQ queue manager or QSG name		2
MQQMGR	CHAR	INQ	4	DIFF	No	Connected Queue Manager name		3
MQRELEASE	CHAR	INQ	4	DIFF	No	WebSphere MQ Release		8
NAME-1	CHAR	STAT	8	DIFF	No	WebSphere MQ connection name		1
RESYNCMEMBER	CVDAS	INQ	4	LIKE	Yes	Resynchronization member		9
RESYNCMEMBER Input/output valid values	RESYNC, NORESYNC, GROUPRESYNC							
RESYNCMEMBER Output valid values	NOTAPPLIC							
TASKS	BINARY	INQ	4	AVG	No	Number of current tasks		11
TRIGMONTASKS	BINARY	INQ	4	AVG	No	Number of current trigger monitor tasks		12

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MQCONDEF Resource Table

A CICS Definition that describes the connection properties of a WebSphere MQ connection.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

The following actions are supported:

#### INSTALL

Install a WebSphere MQ connection definition.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

#### External resource name

CICSDefinitionMQConnection

#### Length

200

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICS Definition

**Copybook identifier**

EYUt3840

*Table 108. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No
		CSDGROUP(value)	No
		RESGROUP(value)	No
CREATE		CSD	No
		RESGROUP(value)	No
UPDATE		CSD	No
REMOVE		CSD	No
PERFORM	INSTALL	FORCEINS(YES, NO)	No
SET		MODE(value)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No
		RELATED(value)	No
		STATECHK(YES, NO)	No
		TARGET(value)	Yes
		USAGE(LOCAL)	Yes
	ADDTOGRP	RESGROUP(value)	Yes
	CSDINSTALL	None	N/A
	CSDCOPY	AS_RESOURCE(value)	No
		DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No

*Table 109. MQCONDEF FEEDBACK error codes*

Value	Code	Description
1	MQCONDEF_INV_DATA	Attribute data invalid
2	MQCONDEF_REC_NOT_FOUND	Requested resource not found
4	MQCONDEF_REC_EXISTS	Resource already exists
5	MQCONDEF_REC_CHANGED	Resource definition already changed
6	MQCONDEF_INV_RESTYPE	Invalid resource type
7	MQCONDEF_INV_VER	Invalid resource version
11	MQCONDEF_NON_MP	Maintenance point CMAS not available
12	MQCONDEF_INV_CONTEXT	Context not found
13	MQCONDEF_INCONSISTENT_SET	Inconsistent set condition

Table 109. MQCONDEF FEEDBACK error codes (continued)

Value	Code	Description
14	MQCONDEF_INV_RESGROUP	Resource group not found
21	MQCONDEF_INV_ACTION	Invalid action
22	MQCONDEF_INV_RECADDR	Invalid record address
23	MQCONDEF_INV_RECLEN	Invalid record length
24	MQCONDEF_DIFF_VERSION	Different version
25	MQCONDEF_EARLY_NAMELIST_END	Early name list end
26	MQCONDEF_INV_NAMELIST	Invalid name list
27	MQCONDEF_INV_NAME	Invalid name
28	MQCONDEF_INV_MINNAME	Invalid minor name
29	MQCONDEF_NOTIFY	Notify
30	MQCONDEF_PARTIAL_INSTALL	Partial install
31	MQCONDEF_NOTHING_INSTALLED	Nothing installed
32	MQCONDEF_NO_TARGETS	No targets
33	MQCONDEF_NO_RELATED	No related systems
34	MQCONDEF_INV_TSCOPE	Invalid target scope
35	MQCONDEF_INV_RSCOPE	Invalid related scope
36	MQCONDEF_INV_USAGE	Invalid usage
37	MQCONDEF_INV_MODE	Invalid mode
38	MQCONDEF_INV_STATECHK	Invalid state check
39	MQCONDEF_INV_FORCEINS	Invalid force install
40	MQCONDEF_INV_NOTIFY	Invalid notify
41	MQCONDEF_INV_OVERTYPE	Invalid over type
42	MQCONDEF_INV_OVRBLOCK	Invalid override block
43	MQCONDEF_INV_ORSTRING	Invalid override string
44	MQCONDEF_INV_STRNGTERM	Invalid string term
45	MQCONDEF_INV_EMBEDTERM	Invalid embedded terminator
46	MQCONDEF_INV_ATTRIBUTE	Invalid attribute
47	MQCONDEF_INV_LITERAL	Invalid literal
48	MQCONDEF_INV_ORSTGNA	Invalid override string
49	MQCONDEF_SCOPE_REQUIRED	Scope required
50	MQCONDEF_USAGE_CONFLICT	Usage conflict
51	MQCONDEF_NODEFS_SELECTED	No definitions selected
52	MQCONDEF_MORE_THAN_1_RELSYS	More than one related system
53	MQCONDEF_MISSING_RELSYSID	Missing related system identifier
54	MQCONDEF_SCOPE_CONFLICT	Scope conflict
55	MQCONDEF_INV_INITQNAME	Invalid INITQNAME value
56	MQCONDEF_INV_MQNAME	Invalid MQNAME value
57	MQCONDEF_INV_RESYNCMEMBER	Invalid RESYNCMEMBER value
58	MQCONDEF_INV_CSDGROUP	Invalid CSD group
59	MQCONDEF_REC_NOT_REMOVED	Record not removed
60	MQCONDEF_INV_RESOURCE	Invalid resource
61	MQCONDEF_INV_CICS_RESTYPE	Invalid CICS restype
62	MQCONDEF_PARTIAL_ACTION	Partial action
63	MQCONDEF_NOTHING_ACTIONED	Nothing actioned
64	MQCONDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive
65	MQCONDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
66	MQCONDEF_CSD_ERROR	CSD access error

Table 110. MQCONDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			E640 E650	4
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	7
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification time				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	6
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				5
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	21
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		10
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		20
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				19
INITQNAME	CHAR	CPSM	48	No	DIFF	MQ initiation queue name				13
MQNAME	CHAR	CPSM	4	Yes	DIFF	MQ queue manager or QSG name				14
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name				12
RESYNCMEMBER	EYUDA	CPSM	4	Yes	LIKE	Resynchronization Member	YES			15
RESYNCMEMBER Input/output valid values	YES, NO, GROUPRESYNC									
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				16
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				17
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				18

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

---

## MQCONN Resource Table

A CICS resource that describes a subset of the WebSphere MQ connection attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is MQQMGRNAME.

There are no object specific actions for this resource class.

**External resource name**

CICSMQConnectionStatistics

**Length**

288

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**  
No

**SCOPE applies**  
Yes

**Only query CMASs in workload**  
No

**Object type**  
CICS Resource

**Copybook identifier**  
EYUt0159

Table 111. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 112. MQCONN resource table attributes

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name		
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release		
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved		
MQCONNECT	CHAR	STAT	8	DIFF	MQ connection name	E640 E650	35
MQGCONNSTAT	EYUDA	STAT	4	LIKE	MQ connection status		7
MQGCONNSTAT Output valid values	CONNECTED, NOTCONNECTED						
MQGINDBTUOW	BINARY	STAT	4	AVG	Number of indoubt units of work		26
MQGINITQ	CHAR	STAT	48	DIFF	Initiation queue name		8
MQGMQRELEASE	CHAR	STAT	4	DIFF	MQ Release		6
MQGMGRNAME-1	CHAR	STAT	48	DIFF	MQ queue manager name		1
MQGRESBACUW	BINARY	STAT	4	AVG	Number of resolved backout units of work		29
MQGRESCOMUW	BINARY	STAT	4	AVG	Number of resolved committed units of work		28
MQGT2PCOMM	BINARY	STAT	4	AVG	Number of two phase commit operations		34
MQGTAPI	BINARY	STAT	4	AVG	Number of MQ API calls since MQ connected		11
MQGTAPIOK	BINARY	STAT	4	AVG	Number of MQ API calls completed successfully		12
MQGTBACKUOW	BINARY	STAT	4	AVG	Number of backout units of work		30
MQGTBUFMH	BINARY	STAT	4	AVG	Number of MQBUFMH requests		48
MQGTCALL	BINARY	STAT	4	AVG	Number of internal MQ calls		13
MQGTCALLIO	BINARY	STAT	4	AVG	Number of MQ calls that needed I/O		15
MQGTCALLSYNC	BINARY	STAT	4	AVG	Number of MQ calls that completed synchronously		14
MQGTCB	BINARY	STAT	4	AVG	Number of MQCB requests		36
MQGTCLOSE	BINARY	STAT	4	AVG	Number of MQCLOSE requests		19
MQGTCOMMUOW	BINARY	STAT	4	AVG	Number of committed units of work		31
MQGTCONSUME	BINARY	STAT	4	AVG	Number of messages consumed		37
MQGTCRTMH	BINARY	STAT	4	AVG	Number of MQCRTMH requests		42

Table 112. MQCONN resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
MQGTCTL	BINARY	STAT	4	AVG	Number of MQCTL requests		38
MQGTDLMH	BINARY	STAT	4	AVG	Number of MQDLMH requests		43
MQGTDLTMP	BINARY	STAT	4	AVG	Number of MQDLTMP requests		46
MQGTFUTATT	BINARY	STAT	4	AVG	Number of MQ API calls when MQ was not connected		10
MQGTGET	BINARY	STAT	4	AVG	Number of MQGET requests		20
MQGTGETWAIT	BINARY	STAT	4	AVG	Number of MQGET with wait requests		21
MQGTINQ	BINARY	STAT	4	AVG	Number of MQINQ requests		24
MQGTINQMP	BINARY	STAT	4	AVG	Number of MQINQMP requests		45
MQGTMHBUF	BINARY	STAT	4	AVG	Number of MQMHBUF requests		47
MQGTOPEN	BINARY	STAT	4	AVG	Number of MQOPEN requests		18
MQGTPUT	BINARY	STAT	4	AVG	Number of MQPUT requests		22
MQGTPUT1	BINARY	STAT	4	AVG	Number of MQPUT1 requests		23
MQGTSET	BINARY	STAT	4	AVG	Number of MQSET requests		25
MQGTSETMP	BINARY	STAT	4	AVG	Number of MQSETMP requests		44
MQGTSPCOMM	BINARY	STAT	4	AVG	Number of single phase commit operations		33
MQGTSTAT	BINARY	STAT	4	AVG	Number of MQSTAT requests		41
MQGTSUB	BINARY	STAT	4	AVG	Number of MQSUB requests		39
MQGTSUBRQ	BINARY	STAT	4	AVG	Number of MQSUBRQ requests		40
MQGTSUBTASK	BINARY	STAT	4	AVG	Number of MQ calls that had a TCB switch		17
MQGTTASKEND	BINARY	STAT	4	AVG	Number of tasks		32
MQGTTASKS	BINARY	STAT	4	AVG	Number of current tasks		9
MQGTWAITMSG	BINARY	STAT	4	AVG	Number of MQGET with wait requests that waited		16
MQGUNRESUOW	BINARY	STAT	4	AVG	Number of unresolved units of work		27

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MQINI Resource Table

A CICS Resource that names the default initiation queue for the CICS-WebSphere MQ connection. CICS installs this resource implicitly when you create a WebSphere MQ connection definition for the CICS system.

The **Primary** key field for this resource class is NAME.

There are no object specific actions for this resource class.

#### External resource name

CICSMQInitiationQueue

#### Length

136

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYU0185

*Table 113. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A

*Table 114. MQINI resource table attributes*

Name	Datatype	Source	Len	Sum	Description	Default	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved			
BASDEFINEVER	BINARY	CPSM	1	AVG	BAS resource definition version	0		12
CHANGEAGENT	CV DAS	INQ	4	LIKE	Last modification agent		E640 E650	4
CHANGEAGENT Input/output valid values	AUTOINSTALL, DYNAMIC							
CHANGEAGREL	CHAR	INQ	4	DIFF	Last modification agent release		E640 E650	5
CHANGETIME	DATETIME	INQ	8	MAX	Last modification time			6
CHANGEUSRID	CHAR	INQ	8	DIFF	Last modification user ID		E640 E650	3
DEFINESOURCE	CHAR	INQ	8	DIFF	Source of the resource definition		E640 E650	7
DEFINETIME	DATETIME	INQ	8	MAX	Creation time			8
INITQNAME	CHAR	INQ	48	DIFF	MQ initiation queue name			2
INSTALLAGENT	CV DAS	INQ	4	LIKE	Installation agent		E640 E650	11
INSTALLAGENT Input/output valid values	AUTOINSTALL, DYNAMIC							
INSTALLTIME	DATETIME	INQ	8	MAX	Installation time			10
INSTALLUSRID	CHAR	INQ	8	DIFF	Installation user ID		E640 E650	9
<b>NAME-1</b>	CHAR	INQ	8	DIFF	MQ initiation queue resource name			1

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## MREMFIL Resource Table

A CICS Monitored resource that describes a subset of the remote file attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is FILE.

The following actions are supported:

### DISCARD

Remove the Monitored resource instance.

### RESET

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

### External resource name

### Length

88

**Usage** API or WUI or EVALDEF

### API view

Yes

### CMAS context

No

### SCOPE applies

Yes

### Only query CMASs in workload

No

### Object type

CICS Monitored

### Copybook identifier

EYUt1373

Table 115. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 116. MREMFIL FEEDBACK error codes

Value	Code	Description
9	MREMFIL_NO_MON_DATA	No data for monitored resource
10	MREMFIL_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 117. MREMFIL resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	



Table 117. MREMFIL resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
ADDCNT	BINARY	STAT	4	AVG	Number of WRITE requests	10
BROWSECNT	BINARY	STAT	4	AVG	Number of READNEXT and READPREV requests	9
CURREQRATE	RATE	CPSM	4	AVG	Request rate for current sample	13
ENABLESTATUS	CVDAS	INQ	4	LIKE	Enable status	5
ENABLESTATUS Output valid values	ENABLED, DISABLED, UNENABLED, DISABLING					
<b>FILE-1</b>	CHAR	INQ	8	DIFF	File ID	2
GETCNT	BINARY	STAT	4	AVG	Number of READ Requests	7
GETUPDCNT	BINARY	STAT	4	AVG	Number of READ UPDATE requests	8
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval ID	1
INTREQRATE	RATE	CPSM	4	AVG	Request rate for monitor interval	14
REMDLCNT	BINARY	STAT	4	AVG	Number of DELETE requests	6
REMOTENAME	CHAR	INQ	8	DIFF	Remote file name	3
REMOTESYSTEM	CHAR	INQ	4	DIFF	Remote system name	4
TOTLREQCNT	BINARY	CPSM	4	AVG	Total number of all requests	12
UPDATECNT	BINARY	STAT	4	AVG	Number of REWRITE requests	11

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MREMTDQ Resource Table

A CICS Monitored resource that describes a subset of the remote transient data queue attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is TDQUEUE.

The following actions are supported:

**DISCARD**

Remove the Monitored resource instance.

**RESET**

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

**External resource name**

**Length**

48

**Usage** API or WUI or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Monitored

**Copybook identifier**

EYUt1387

*Table 118. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

*Table 119. MREMTDQ FEEDBACK error codes*

Value	Code	Description
9	MREMTDQ_NO_MON_DATA	No data for monitored resource
10	MREMTDQ_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

*Table 120. MREMTDQ resource table attributes*

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
CURROUTQRATE	RATE	CPSM	4	AVG	Output rate for current sample	6
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval identifier	1
INTOUTQRATE	RATE	CPSM	4	AVG	Output rate for interval	7
OUTCNT	BINARY	STAT	4	SUM	Number of I/O requests	5
REMOTENAME	CHAR	INQ	4	DIFF	Remote name	3
REMOTESYSTEM	CHAR	INQ	4	DIFF	Remote system name	4
<b>TDQUEUE-1</b>	CHAR	INQ	4	DIFF	Queue identifier	2

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## MREMTRAN Resource Table

A CICS Monitored resource that describes a subset of the remote transaction attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is TRANID.

The following actions are supported:

**DISCARD**

Remove the Monitored resource instance.

**RESET**

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

**External resource name**

**Length**

80

**Usage** API or WUI or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Monitored

**Copybook identifier**

EYUt1381

Table 121. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 122. MREMTRAN FEEDBACK error codes

Value	Code	Description
9	MREMTRAN_NO_MON_DATA	No data for monitored resource
10	MREMTRAN_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 123. MREMTRAN resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
CURAVGRES	AVERAGE	CPSM	4	MAX	Average response time for current sample	10
CURTRANRATE	RATE	CPSM	4	SUM	Transaction rate for current sample	7
INTAVGRES	AVERAGE	CPSM	4	MAX	Average response time for monitor interval	11
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval ID	1
INTRTRANRATE	RATE	CPSM	4	SUM	Transaction rate for monitor interval	8
IRIOTIME	INT16US	CMF	4	AVG	Interregion wait time	12
REMOTECONT	CNUMERIC	STAT	4	SUM	Number of times transaction run remotely	5

Table 123. MREMTRAN resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
REMOTENAME	CHAR	INQ	4	DIFF	Remote transaction ID	3
REMOTESYSTEM	CHAR	INQ	4	DIFF	Remote system name	4
REMSTARTCNT	CNUMERIC	STAT	4	AVG	Number of times transaction started	14
RESPTIME	BINARY	CMF	4	AVG	Response time	9
TRANCLASS	CHAR	INQ	8	DIFF	Transaction class name	13
<b>TRANID-1</b>	CHAR	INQ	4	DIFF	Transaction	2
USECOUNT	BINARY	STAT	4	SUM	Number of times transaction has been used	6

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MTDQGBL Resource Table

A CICS Monitored resource that describes a subset of the transient data queue attributes sampled by the CICSplex SM MAS Monitor agents.

The MTDQGBL resource class does not provide an explicit key attribute. The set of object instances returned is a function of the current scope in effect when the request is made.

The following actions are supported:

**DISCARD**

Remove the Monitored resource instance.

**RESET**

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

**External resource name**

**Length**

160

**Usage** API or WUI or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Monitored

**Copybook identifier**

EYUt1383

Table 124. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 125. MTDQGBL FEEDBACK error codes

Value	Code	Description
9	MTDQGBL_NO_MON_DATA	No data for monitored resource
10	MTDQGBL_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 126. MTDQGBL resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
ACCESSCNT	BINARY	STAT	4	AVG	Number of intrapartition accesses	4
BUFFERS	BINARY	STAT	4	AVG	Number of intrapartition buffers	2
BUFFWAITS	BINARY	STAT	4	AVG	Number of intrapartition buffer waits	8
CINUM	BINARY	STAT	4	AVG	Number of control intervals	11
CISIZE	BINARY	STAT	4	AVG	Control interval size	10
CURACCCNT	RATE	CPSM	4	AVG	Intrapartition access rate for current sample	5
CURBUFFWAIT	CNUMERIC	STAT	4	AVG	Number of current buffer waits	30
CURBUFVALDA	CNUMERIC	STAT	4	AVG	Number of current buffers with valid data	31
CURCONBUFAC	CNUMERIC	STAT	4	AVG	Number of current concurrent buffer accesses	29
CURCONSTRAC	CNUMERIC	STAT	4	AVG	Number of current concurrent string accesses	32
CURFULLPER	PERCENT	CPSM	4	AVG	Percentage buffer-full time for current sample	14
CURREADRATE	RATE	CPSM	4	AVG	Read rate for current sample	20
CURSTRWAITS	CNUMERIC	STAT	4	AVG	Number of current string waits	33
CURWRITRATE	RATE	CPSM	4	AVG	Write rate for current sample	18
FMTWRITE	BINARY	STAT	4	AVG	Number of formatting writes	22
INTACCCNT	RATE	CPSM	4	AVG	Intrapartition access rate for monitor interval	6
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval ID	1
INTFULLPER	PERCENT	CPSM	4	AVG	Percentage buffer-full time for monitor interval	15
INTREADRATE	RATE	CPSM	4	AVG	Read rate for monitor interval	21
INTWRITRATE	RATE	CPSM	4	AVG	Write rate for monitor interval	19
IOERRS	BINARY	STAT	4	AVG	Number of I/O errors	23
NOSPACECNT	BINARY	STAT	4	AVG	Number of times NOSPACE occurred	13
NUMCTRLINTV	CNUMERIC	STAT	4	AVG	Number of control intervals in use	34
PEAKBWAIT	BINARY	STAT	4	AVG	Peak number of intrapartition buffer waits	9
PEAKCACCESS	BINARY	STAT	4	AVG	Peak number of concurrent intrapartition accesses	7

Table 126. MTDQGBL resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
PEAKCIUSE	BINARY	STAT	4	AVG	Peak number of control intervals used	12
PEAKQACTV	BINARY	STAT	4	AVG	Peak number of queues that contain data	3
PEAKSTRACC	BINARY	STAT	4	AVG	Peak number of concurrent string accesses	26
PEAKSTRWAIT	BINARY	STAT	4	AVG	Peak number of string waits	28
READS	BINARY	STAT	4	AVG	Number of reads from data set	17
STRACCESS	BINARY	STAT	4	AVG	Number of times string accessed	25
STRINGS	BINARY	STAT	4	AVG	Number of strings	24
STRNGWAITS	BINARY	STAT	4	AVG	Number of string waits	27
WRITES	BINARY	STAT	4	AVG	Number of writes to data set	16

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MTERMNL Resource Table

A CICS Monitored resource that describes a subset of the terminal attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is TERMID.

The following actions are supported:

**DISCARD**

Remove the Monitored resource instance.

**RESET**

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

**External resource name**

**Length**

136

**Usage** API or WUI or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Monitored

**Copybook identifier**  
EYU1378

*Table 127. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

*Table 128. MTERMNL FEEDBACK error codes*

Value	Code	Description
9	MTERMNL_NO_MON_DATA	No data for monitored resource
10	MTERMNL_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

*Table 129. MTERMNL resource table attributes*

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
ACQSTATUS	CVDAS	INQ	4	LIKE	Acquired status	26
ACQSTATUS Output valid values	ACQUIRED, RELEASED, ACQUIRING, NOTAPPLIC					
CURIMSGRATE	RATE	CPSM	4	AVG	Input message rate for current sample	11
CUROMSGRATE	RATE	CPSM	4	AVG	Output message rate for current sample	13
CURTRANRATE	RATE	CPSM	4	AVG	Transaction rate for current sample	16
DEVICE	CVDAT	INQ	4	LIKE	Device type	3
DEVICE Output valid values	BATCHLU, BIPROG, BISYNCH, CDRDLPRT, CONTNLU, HARDCOPY, INTACTLU, ISCMCONV, LUCMODGRP, LUCSESS, LUTYPE4, LUTYPE6, MAGTAPE, RESSYS, SDLC, SEQDISK, SYSTEM3, SYSTEM7, SYS7BCA, TCONSOLE, TELETYPE, TTCAM, TWX3335, T1050, T1053, T2260L, T2260R, T2265, T2740, T2741BCD, T2741COR, T2770, T2780, T3275R, T3277L, T3277R, T3284L, T3284R, T3286L, T3286R, T3600BI, T3601, T3614, T3650ATT, T3735, T3650PIPE, T3650USER, T3653HOST, T3740, T3780, T3790, T3790SCSP, T3790UP, T7770, VIDEOTERM					
INPMSCCNT	BINARY	STAT	4	AVG	Number of input messages	9
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval ID	1
INTIMSGRATE	RATE	CPSM	4	AVG	Input message rate for monitor interval	12
INTOMSGRATE	RATE	CPSM	4	AVG	Output message rate for monitor interval	14
INTTRANRATE	RATE	CPSM	4	AVG	Transaction rate for monitor interval	17
LUNAME	CHAR	STAT	8	DIFF	LU name	24
NETNAME	CHAR	INQ	8	DIFF	Network name	7
OUTMSGCNT	BINARY	STAT	4	AVG	Number of output messages	10
PMSGCNT	CNUMERIC	STAT	4	AVG	Total pipeline-throwaway count	21
PMSGCONSEC	CNUMERIC	STAT	4	AVG	Maximum pipeline-throwaway count	23
PMSGGRPCNT	CNUMERIC	STAT	4	AVG	Number of consecutive pipeline-throwaways	22
POLLCNT	DECIMAL	STAT	4	AVG	Number of polls sent to terminal	8
REMOTENAME	CHAR	INQ	4	DIFF	Name of terminal in remote CICS	5
REMOTESYSTEM	CHAR	INQ	4	DIFF	Remote system name	6
SERVSTATUS	CVDAS	INQ	4	LIKE	Service status	4
SERVSTATUS Output valid values	INSERVICE, OUTSERVICE, GOINGOUT					

Table 129. MTERMNL resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
STGVCNT	CNUMERIC	STAT	4	AVG	Number of storage violations	18
STORAGE	CNUMERIC	STAT	4	AVG	Terminal input-output area (TIOA) storage	25
<b>TERMIN-1</b>	CHAR	INQ	4	DIFF	Terminal ID	2
TERRCNT	BINARY	STAT	4	AVG	Number of transaction errors	20
TRANCNT	BINARY	STAT	4	AVG	Number of transactions	15
XERRCNT	BINARY	STAT	4	AVG	Number of transmission errors or disconnects	19

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MTRANCLS Resource Table

A CICS Monitored resource that describes a subset of the transaction class attributes sampled by the CICSplex SM MAS Monitor agents.

The MTRANCLS resource class can be used to request object instances that were identified as MTCLASS objects in versions of CICS before 4.1.

The **Primary** key field for this resource class is NAME.

The following actions are supported:

**DISCARD**

Remove the Monitored resource instance.

**RESET**

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

**External resource name**

**Length**

104

**Usage** API or WUI or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Monitored

**Copybook identifier**

EYUt1400



Table 130. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 131. MTRANCLS FEEDBACK error codes

Value	Code	Description
9	MTRANCLS_NO_MON_DATA	No data for monitored resource
10	MTRANCLS_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 132. MTRANCLS resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
ACCEPTAFTRQD	CNUMERIC	STAT	4	AVG	Number of transactions accepted after being queued	10
ACCEPTIMMED	CNUMERIC	STAT	4	AVG	Number of transactions accepted immediately	9
ACTIVE	BINARY	INQ	4	SUM	Number of transactions currently active in class	3
ACTIVEPEAK	BINARY	STAT	4	MAX	Peak number of active transactions	13
ATTACHES	CNUMERIC	STAT	4	AVG	Total number of attach requests	6
CURQUEUEDTIME	INTTSTP	STAT	8	AVG	Total time current transactions on queue	18
INSTALLDEFS	CNUMERIC	STAT	4	AVG	Number of transaction definitions installed	12
MAXACTIVE	BINARY	INQ	4	MAX	Maximum number of transactions allowed in class	2
<b>NAME-1</b>	CHAR	INQ	8	DIFF	Transaction class	1
PURGEIMMED	CNUMERIC	STAT	4	AVG	Number of transactions purged due to threshold	7
PURGETHRESH	CNUMERIC	INQ	4	AVG	Purge threshold	5
PURGEWHILEQD	CNUMERIC	STAT	4	AVG	Number of transactions purged while queued	11
PURGTHRTIMES	CNUMERIC	STAT	4	AVG	Number of times purge threshold met	16
QUEUED	CNUMERIC	INQ	4	AVG	Number of transactions currently queued	4
QUEUEDPEAK	CNUMERIC	STAT	4	AVG	Peak number of queued transactions	14
QUEUE TIME	INTTSTP	STAT	8	AVG	Total time transactions queued	17
TIMESATMAX	BINARY	STAT	4	MAX	Times maximum active transactions reached	15
TOTQUEDCNT	CNUMERIC	STAT	4	AVG	Total number of transactions queued	8

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## MTSQGBL Resource Table

A CICS Monitored resource that describes a subset of the temporary storage queue attributes sampled by the CICSplex SM MAS Monitor agents.

The MTSQGBL resource class does not provide an explicit key attribute. The set of object instances returned is a function of the current scope in effect when the request is made.

The following actions are supported:

### DISCARD

Remove the Monitored resource instance.

### RESET

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

### External resource name

#### Length

248

**Usage** API or WUI or EVALDEF

#### API view

Yes

#### CMAS context

No

#### SCOPE applies

Yes

#### Only query CMASs in workload

No

#### Object type

CICS Monitored

#### Copybook identifier

EYUt1388

Table 133. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 134. MTSQGBL FEEDBACK error codes

Value	Code	Description
9	MTSQGBL_NO_MON_DATA	No data for monitored resource
10	MTSQGBL_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 135. MTSQGBL resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
AUXFULL	BINARY	STAT	4	AVG	Times auxiliary storage exhausted	23
BUFFERS	BINARY	STAT	4	AVG	Number of temporary storage buffers	26
BUFFWAITS	BINARY	STAT	4	AVG	Count of buffer waits	28
BUFREADS	BINARY	STAT	4	AVG	Buffer reads	32
BUFWRITES	BINARY	STAT	4	AVG	Buffer writes	30
BYTESPERCI	BINARY	STAT	4	AVG	Available bytes per control interval	50
BYTESPERSEG	BINARY	STAT	4	AVG	Bytes per segment	52
CINUM	BINARY	STAT	4	AVG	Number of control intervals in data set	21
CISINUSE	BINARY	STAT	4	AVG	Number of control intervals in use	47
CISIZE	BINARY	STAT	4	AVG	Control interval size	19
COMPRESSIONS	BINARY	STAT	4	AVG	Number of temporary storage compressions	46
CURAGETQRATE	RATE	CPSM	4	AVG	GetQ auxiliary rate current sample	13
CURAPUTQRATE	RATE	CPSM	4	AVG	PutQ auxiliary rate current sample	11
CURBHITRATE	RATE	CPSM	4	AVG	Buffer read hit rate for current sample	33
CURFULLPER	PERCENT	CPSM	4	AVG	Auxiliary storage % full for current sample	24
CURMGETQRATE	RATE	CPSM	4	AVG	GetQ main rate current sample	6
CURMPUTQRATE	RATE	CPSM	4	AVG	PutQ main rate current sample	4
CURREADRATE	RATE	CPSM	4	AVG	Read rate for current sample	37
CURRUWBFR	BINARY	STAT	4	AVG	Current users waiting on buffer	43
CURRUWSTR	BINARY	STAT	4	AVG	Current users waiting on string	42
CURWRITRATE	RATE	CPSM	4	AVG	Write rate for current sample	35
ENTLGQUE	BINARY	STAT	4	AVG	Entries in longest queue	16
EXTTHRESHOLD	BINARY	STAT	4	AVG	Queue extension threshold	53
FMTWRT	BINARY	STAT	4	AVG	Number of format writes	39
GETQAUX	BINARY	STAT	4	AVG	Get/GetQ auxiliary	10
GETQMAIN	BINARY	STAT	4	AVG	Get/Getq main	3
INTAGETQRATE	RATE	CPSM	4	AVG	GetQ auxiliary rate for interval	14
INTAPUTQRATE	RATE	CPSM	4	AVG	PutQ auxiliary rate for interval	12
INTBHITRATE	RATE	CPSM	4	AVG	Buffer read hit rate for interval	34
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval identifier	1
INTFULLPER	PERCENT	CPSM	4	AVG	Auxiliary storage % full for interval	25
INTMGETQRATE	RATE	CPSM	4	AVG	GetQ main rate for interval	7
INTMPUTQRATE	RATE	CPSM	4	AVG	PutQ main rate for interval	5
INTREADRATE	RATE	CPSM	4	AVG	Read rate for interval	38
INTWRITRATE	RATE	CPSM	4	AVG	Write rate for interval	36
IOERRS	BINARY	STAT	4	AVG	Number of I/O errors on DSN	44
LONGAUXREC	BINARY	STAT	4	AVG	Longest auxiliary record length	49
NAMESINUSE	BINARY	STAT	4	AVG	Number of temporary storage names in use	48
PEAKCIUSE	BINARY	STAT	4	AVG	Peak CIs used	22
PEAKQUES	BINARY	STAT	4	AVG	Peak queue names in use	15
PEAKSTG	BINARY	STAT	4	AVG	Peak storage	8
PEAKUSDSTR	BINARY	STAT	4	AVG	Peak strings in use	40
PEAKUWBUF	BINARY	STAT	4	AVG	Peak users waiting on buffers	29

Table 135. MTSQGBL resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
PEAKUWSTR	BINARY	STAT	4	AVG	Peak users waiting on strings	41
PUTQAUX	BINARY	STAT	4	AVG	Put/PutQ auxiliary	9
PUTQMAIN	BINARY	STAT	4	AVG	Put/PutQ main	2
QUECRECNT	BINARY	STAT	4	AVG	Times queues created	17
QUEXTENDS	BINARY	STAT	4	AVG	Queue extensions created	18
SEGSPERCI	BINARY	STAT	4	AVG	Segments per control interval	51
SHRDPOLCONN	CNUMERIC	STAT	4	AVG	Number of shared pools that CICS is connected to	55
SHRDPOLDEF	CNUMERIC	STAT	4	AVG	Shared pools defined	54
SHRDREADREQ	CNUMERIC	STAT	4	AVG	Shared read requests	56
SHRDWRITEREQ	CNUMERIC	STAT	4	AVG	Shared write requests	57
STRINGS	BINARY	STAT	4	AVG	Number of temporary storage strings	27
STRINGWAIT	BINARY	STAT	4	AVG	Number of string waits	45
WRTFRECVR	BINARY	STAT	4	AVG	Buffer writes forced for recovery	31
WRTGTCISZ	BINARY	STAT	4	AVG	Writes greater than CISIZE	20

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MVSESTG Resource Table

A CICS Resource that describes an MVS™ storage element for a TCB in the CICS address space.

The **Primary** key field for this resource class is TCBADDRESS.

The **Secondary** key field for this resource class is ELEMENTADDR.

There are no object specific actions for this resource class.

**External resource name**

CICSMVSSStorageArea

**Length**

40

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

Copybook identifier  
EYUt0141

Table 136. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 137. MVSESTG resource table attributes

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name		
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release		
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved		
<b>ELEMENTADDR-2</b>	HEX	INQ	4	MAX	Storage element address		2
ELEMENTLEN	BINARY	INQ	4	SUM	Element length		3
INUSELENGTH	BINARY	INQ	4	AVG	Element length in use	E640	6
STORAGEKEY	BINARY	INQ	4	AVG	Storage key	E640	5
SUBPOOLNUM	BINARY	INQ	4	AVG	Subpool number		4
<b>TCBADDRESS-1</b>	HEX	INQ	4	MAX	Address of MVS TCB		1

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## MVSTCBGL Resource Table

A CICS Resource that provides information about all the MVS TCBs in the CICS address space.

The MVSTCBGL resource does not provide an explicit key attribute. The set of object instances returned is a function of the scope in effect when the request is made.

There are no object specific actions for this resource class.

**External resource name**

CICSGlobalMVSTCBStatistics

**Length**

72

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**  
CICS Resource

**Copybook identifier**  
EYUt0143

Table 138. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 139. MVSTCBGL resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
CICSTCBCOUNT	BINARY	STAT	4	SUM	Current CICS TCBs	1
CICSTCBSTGA	BINARY	STAT	4	SUM	Storage above 16M for CICS TCBs	7
CICSTCBSTGAI	BINARY	STAT	4	SUM	Storage in use above 16M	13
CICSTCBSTGB	BINARY	STAT	4	SUM	Storage below 16M for CICS TCBs	5
CICSTCBSTGBI	BINARY	STAT	4	SUM	Storage below 16M in use by CICS TCBs	12
CICSTCBTIME	INTTSTP	STAT	8	SUM	CPU time used by current attached CICS TCBs	3
NCICSTCBSGAI	BINARY	STAT	4	SUM	Storage above 16M in use by non-CICS TCBs	15
NCICSTCBSGBI	BINARY	STAT	4	SUM	Storage in use below 16M	14
NCICSTCBSTGA	BINARY	STAT	4	SUM	Storage above 16M for non-CICS TCBs	8
NCICSTCBSTGB	BINARY	STAT	4	SUM	Storage below 16M for non-CICS TCBs	6
NCICSTCBTIME	INTTSTP	STAT	8	SUM	CPU time used by current attached non-CICS TCBs	4
NONCICSTCBCT	BINARY	STAT	4	SUM	Current non-CICS TCBs	2

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MVSTCB Resource Table

A CICS Resource that describes an MVS TCB in the CICS address space.

The **Primary** key field for this resource class is TCBADDRESS.

There are no object specific actions for this resource class.

**External resource name**  
CICSMVSTCB

**Length**  
72

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**  
Yes

**CMAS context**  
No

**SCOPE applies**  
Yes

**Only query CMASs in workload**  
No

**Object type**  
CICS Resource

**Copybook identifier**  
EYUt0142

Table 140. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 141. MVSTCB resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
<b>TCBADDRESS-1</b>	HEX	STAT	4	MAX	TCB address	1
TCBCICSTASK	DECIMAL	STAT	4	MAX	CICS task number	9
TCBCPUTIME	INTSTP	STAT	8	MAX	CPU time used by the TCB	4
TCBDAUGHTER	HEX	STAT	4	MAX	Daughter TCB	8
TCBMOTHER	HEX	STAT	4	MAX	Mother TCB	6
TCBNAME	CHAR	STAT	8	DIFF	TCB name	2
TCBSISTER	HEX	STAT	4	MAX	Sister TCB	7
TCBSTGABOVE	BINARY	STAT	4	SUM	Private storage allocated above 16M	5
TCBSTGAINUSE	BINARY	STAT	4	SUM	Private storage in use above 16M	15
TCBSTGBELOW	BINARY	STAT	4	SUM	Private storage allocated below 16M	3
TCBSTGBINUSE	BINARY	STAT	4	SUM	Private storage in use below 16M	14
TCBTYPE	CVDAS	STAT	4	LIKE	TCB type	13
TCBTYPE Output valid values		CICS, NONCICS				

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## MVSWLM Resource Table

A CICS Resource that provides the z/OS Workload Manager (WLM) information in an active system being managed by CICSplex SM.

The MVSWLM resource class does not provide an explicit key attribute. The set of object instances returned is a function of the scope in effect when the request is made.

There are no object specific actions for this resource class.

**External resource name**

CICSMVSWLM

**Length**

104

**Usage** API or WUI or CICS Management Client Interface or EVALDEF**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0126

*Table 142. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A

*Table 143. MVSWLM resource table attributes*

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
MNGMCHTP	CHAR	STAT	4	DIFF	CEC machine type	19
MNGMDLID	CHAR	STAT	16	DIFF	CEC model number	20
MNGWLMCC	EYUDA	STAT	4	LIKE	CPU critical	14
MNGWLMCC Output valid values	YES, NO, NOTAPPLIC					
MNGWLMGI	BINARY	STAT	2	SUM	Goal importance	16
MNGWLMGM	EYUDA	STAT	4	SUM	Goal management	17
MNGWLMGM Output valid values	TRANSACTION, REGION, BOTH, NOTAPPLIC					
MNGWLMGT	EYUDA	STAT	4	LIKE	Goal type	12
MNGWLMGT Output valid values	VELOCITY, DISCRETIONRY, SYSTEM, NOTAPPLIC					
MNGWLMGV	BINARY	STAT	4	SUM	Velocity goal value	13
MNGWLMMD	EYUDA	STAT	4	LIKE	Goal mode	5
MNGWLMMD Output valid values	YES, NO					
MNGWLMRC	CHAR	STAT	8	DIFF	Report class	9
MNGWLMRG	CHAR	STAT	8	DIFF	Resource group	10
MNGWLMSC	CHAR	STAT	8	DIFF	Service class	8
MNGWLMSC	EYUDA	STAT	4	LIKE	Storage critical	15
MNGWLMSC Output valid values	YES, NO, NOTAPPLIC					
MNGWLMST	EYUDA	STAT	4	LIKE	WLM server	6
MNGWLMST Output valid values	YES, NO					
MNGWLMWN	CHAR	STAT	8	DIFF	Workload name	11

**Related information:**



“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## MXTRATDQ Resource Table

A CICS Monitored resource that describes a subset of the extrapartition transient data queue attributes sampled by the CICSplex SM MAS Monitor agents.

The **Primary** key field for this resource class is TDQUEUE.

The following actions are supported:

### DISCARD

Remove the Monitored resource instance.

### RESET

Reset all Monitoring instance attributes.

These actions require no unique parameter data.

### External resource name

#### Length

48

**Usage** API or WUI or EVALDEF

#### API view

Yes

#### CMAS context

No

#### SCOPE applies

Yes

#### Only query CMASs in workload

No

#### Object type

CICS Monitored

#### Copybook identifier

EYUt1384

Table 144. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	RESET	None	N/A

Table 145. MXTRATDQ FEEDBACK error codes

Value	Code	Description
9	MXTRATDQ_NO_MON_DATA	No data for monitored resource
10	MXTRATDQ_MON_SYSDEF_REQ	Monitored resource required by Real Time Analysis (RTA)

Table 146. MXTRATDQ resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
CURROUTQRATE	RATE	CPSM	4	AVG	Output rate for current sample	6
ENABLESTATUS	CVDAS	INQ	4	LIKE	Enabled status	3
ENABLESTATUS Output valid values	ENABLED, DISABLED					
INTERVALID	TIMESTP	CPSM	8	LIKE	Interval identifier	1
INTOUTQRATE	RATE	CPSM	4	AVG	Output rate for interval	7
OPENSTATUS	CVDAS	INQ	4	LIKE	Open status	4
OPENSTATUS Output valid values	OPEN, CLOSED, OPENING, CLOSING, SWITCHING					
OUTCNT	BINARY	STAT	4	AVG	Number of READ and WRITE requests	5
<b>TDQUEUE-1</b>	CHAR	INQ	4	DIFF	Queue identifier	2

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## OBJECT Resource Table

A CPSM MetaData resource that describes the existence of an object specific action for a CICSplex SM managed object

The **Primary** key field for this resource class is OBJECT.

The **Secondary** key field for this resource class is TABLEVER.

The **Tertiary** key field for this resource class is ACTION.

There are no object specific actions for this resource class.

**External resource name**

**Length**

96

**Usage** API

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Metadata

**Copybook identifier**  
EYUt2579

*Table 147. Valid CPSM operations*

Operations	Actions	Parameters	Required
Not applicable			

*Table 148. OBJECT resource table attributes*

Name	Datatype	Source	Len	Sum	Description	Attr ID
<b>ACTION-3</b>	CHAR	CPSM	12	DIFF	Action name	6
APIPERFORM	CHAR	CPSM	1	LIKE	Valid for EXEC CPSM PERFORM	18
APIPERFORM Input/output valid values	Y (YES) - Valid for PERFORM, N (NO) - Not valid for PERFORM					
DESCRIPTION	CHAR	CPSM	50	DIFF	Description	15
ID	BINARY	CPSM	4	AVG	Action number	16
<b>OBJECT-1</b>	CHAR	CPSM	8	DIFF	Object name	4
PARMCOUNT	BINARY	CPSM	4	AVG	Parameter count	17
<b>TABLEVER-2</b>	BINARY	CPSM	2	AVG	Object table version	5
VALCICSES2	BIT	CPSM	1	LIKE	Not valid in CICS/ESA byte 2	13
VALCICSES2 Input/output valid values	128 (E630) - CICS for MVS/ESA 630, 64 (E640) - CICS for MVS/ESA 640, 32 (E650) - CICS for MVS/ESA 650, 16 (E660) - CICS for MVS/ESA 660, 8 (E670) - CICS for MVS/ESA 670, 4 (E680) - CICS for MVS/ESA 680, 2 (E690) - CICS for MVS/ESA 690, 1 (E700) - CICS for MVS/ESA 700					
VALCICSESA	BIT	CPSM	1	LIKE	Not valid in CICS/ESA	7
VALCICSESA Input/output valid values	128 (M212) - CICS/MVS 212, 64 (E330) - CICS/ESA 330, 32 (E410) - CICS/ESA 410, 16 (E510) - CICS for MVS/ESA 510, 8 (E520) - CICS for MVS/ESA 520, 4 (E530) - CICS for MVS/ESA 530, 2 (E610) - CICS for MVS/ESA 610, 1 (E620) - CICS for MVS/ESA 620					
VALCICSOS2	BIT	CPSM	1	LIKE	Not valid in CICS/OS/2	9
VALCICSOS2 Input/output valid values	128 (O201) - CICS OS/2 201, 64 (O300) - CICS OS/2 300, 32 (O311) - CICS OS/2 310					
VALCICSVSE	BIT	CPSM	1	LIKE	Not valid in CICS/VSE	8
VALCICSVSE Input/output valid values	128 (V220) - CICS/VSE 220, 64 (V230) - CICS/VSE 230, 32 (V410) - CICS/VSE 410					
VALCICSWNT	BIT	CPSM	1	LIKE	Not valid in CICS for Windows	12
VALCICSWNT Input/output valid values	128 (N430) - CICS for Windows 430, 64 (N500) - CICS for Windows 500					

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## OBJECT Resource Table

A CPSM MetaData resource that describes the characteristics of a CICSplex SM managed object.

The **Primary** key field for this resource class is NAME.

There are no object specific actions for this resource class.

**External resource name**

**Length**

160

**Usage** API

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Metadata

**Copybook identifier**

EYUt2578

Table 149. Valid CPSM operations

Operations	Actions	Parameters	Required
Not applicable			

Table 150. OBJECT resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
APIPREFIX	CHAR	CPSM	1	LIKE	Requires API prefix	42
APIPREFIX Input/output valid values	Y (YES) - Required, N (NO) - Not required					
CMASCONTEXT	CHAR	CPSM	1	DIFF	Context is CMAS	41
CMASCONTEXT Input/output valid values	Y (YES) - CMAS required, N (NO) - CMAS not required					
CREATEREL	CHAR	CPSM	4	DIFF	CPSM release object created	10
CURACTVAL	CHAR	CPSM	1	DIFF	Actions defined	29
CURACTVAL Input/output valid values	Y (YES) - Actions defined, N (NO) - No actions					
CURCPSMREL	CHAR	CPSM	4	DIFF	CPSM release version created	20
CURCREVAL	CHAR	CPSM	1	DIFF	Create valid	26
CURCREVAL Input/output valid values	Y (YES) - Valid, N (NO) - Not valid					
CURDESC	CHAR	CPSM	50	DIFF	Table description	38
CURGETVAL	CHAR	CPSM	1	DIFF	Get valid	24
CURGETVAL Input/output valid values	Y (YES) - Valid, N (NO) - Not valid					
CURNUMATTR	BINARY	CPSM	2	AVG	Current number attributes	15
CURREMVAL	CHAR	CPSM	1	DIFF	Remove valid	28
CURREMVAL Input/output valid values	Y (YES) - Valid, N (NO) - Not valid					
CURSETVAL	CHAR	CPSM	1	DIFF	Set valid	25
CURSETVAL Input/output valid values	Y (YES) - Valid, N (NO) - Not valid					
CURSTGSIZE	BINARY	CPSM	2	AVG	Current table storage size	17
CURTBLVER	BINARY	CPSM	2	AVG	Current table version	14
CURUPDVAL	CHAR	CPSM	1	DIFF	Update valid	27
CURUPDVAL Input/output valid values	Y (YES) - Valid, N (NO) - Not valid					
CURVALES2	BIT	CPSM	1	LIKE	Not valid in CICS/ESA byte 2	45
CURVALES2 Input/output valid values	128 (E630) - CICS for MVS/ESA 630, 64 (E640) - CICS for MVS/ESA 640, 32 (E650) - CICS for MVS/ESA 650, 16 (E660) - CICS for MVS/ESA 660, 8 (E670) - CICS for MVS/ESA 670, 4 (E680) - CICS for MVS/ESA 680, 2 (E690) - CICS for MVS/ESA 690, 1 (E700) - CICS for MVS/ESA 700					
CURVALESA	BIT	CPSM	1	LIKE	Not valid in CICS/ESA	30

Table 150. OBJECT resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
CURVAESA Input/output valid values	128 (M212) - CICS/MVS 212, 64 (E330) - CICS/ESA 330, 32 (E410) - CICS/ESA 410, 16 (E510) - CICS for MVS/ESA 510, 8 (E520) - CICS for MVS/ESA 520, 4 (E530) - CICS for MVS/ESA 530, 2 (E610) - CICS for MVS/ESA 610, 1 (E620) - CICS for MVS/ESA 620					
CURVALOS2	BIT	CPSM	1	LIKE	Not valid in CICS OS/2	32
CURVALOS2 Input/output valid values	128 (O201) - CICS OS/2 201, 64 (O300) - CICS OS/2 300, 32 (O311) - CICS OS/2 310					
CURVALRTA	CHAR	CPSM	1	DIFF	Valid for real time analysis	22
CURVALRTA Input/output valid values	Y (YES) - Valid, N (NO) - Not valid					
CURVALUTL	CHAR	CPSM	1	DIFF	Valid for batch	23
CURVALUTL Input/output valid values	Y (YES) - Valid, N (NO) - Not valid					
CURVALVSE	BIT	CPSM	1	LIKE	Not valid in CICS/VSE	31
CURVALVSE Input/output valid values	128 (V220) - CICS/VSE 220, 64 (V230) - CICS/VSE 230, 32 (V410) - CICS/VSE 410					
CURVALWNT	BIT	CPSM	1	LIKE	Not valid in CICS for Windows	35
CURVALWNT Input/output valid values	128 (N430) - CICS for Windows 430, 64 (N500) - CICS for Windows 500					
CURVALWUI	CHAR	CPSM	1	LIKE	Valid as WUI view object	49
CURVALWUI Input/output valid values	Y (YES) - Valid, N (NO) - Not valid					
HIGHTBLVER	BINARY	CPSM	2	AVG	Highest known table version	7
ID	RESTYPE	CPSM	2	LIKE	Object resource type	46
MODELNAME	CHAR	CPSM	50	DIFF	Model name	47
<b>NAME-1</b>	CHAR	CPSM	8	DIFF	Object name	4
NUMTBLVER	BINARY	CPSM	2	AVG	Number of table elements known	6
OBJTYPE	CHAR	CPSM	1	DIFF	Object class type	12
OBJTYPE Input/output valid values	C (CICSRES) - CICS Resource, M (MONCRES) - Monitored CICS Resource, D (CPSMDEF) - CPSM Definition, V (CPSMRES) - CPSM Resource, O (METADEF) - CPSM Metadata, N (CPSMNTF) - CPSM Notification, R (CICSDEF) - CICS Resource Definition, L (CPSMCFG) - CPSM Configuration Definition					
OWNERNAME	CHAR	CPSM	3	DIFF	Owning major object name	9
QUERYREL	CHAR	CPSM	4	DIFF	CPSM release of querying CMAS	11
RELTBLVER	BINARY	CPSM	2	AVG	Table version at this CPSM release	8
SCOPEREQ	CHAR	CPSM	1	LIKE	Scope required	44
SCOPEREQ Input/output valid values	Y (YES) - Scope required, N (NO) - Scope not required					
SCOPE SORT	CHAR	CPSM	1	LIKE	Sort by scope	43
SCOPE SORT Input/output valid values	Y (YES) - Sort by scope, N (NO) - No scope sort					
VIEWMOD	CHAR	CPSM	1	DIFF	Eligible for SPECIFY VIEW command	40
VIEWMOD Input/output valid values	Y (YES) - Valid, N (NO) - Not valid					

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## OBJSTAT Resource Table

A CPSM MetaData resource that describes control status information about a resource table instance contained in a result set.

The **Primary** key field for this resource class is RECORDNUM.

There are no object specific actions for this resource class.

OBJSTAT does not participate in summary operations.

**External resource name**

**Length**

256

**Usage** API

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Metadata

**Copybook identifier**

EYUt2594

Table 151. Valid CPSM operations

Operations	Actions	Parameters	Required
Not applicable			

Table 152. OBJSTAT resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
CICSNAME	CHAR	CPSM	8	LIKE	CICS system name	3
CICSREL	CHAR	CPSM	4	LIKE	CICS release number	4
CNTRECORDS	BINARY	CPSM	4	LIKE	Detail record count for summary	10
CONTEXT	CHAR	CPSM	8	LIKE	Context	2
KEYDATA	CHAR	CPSM	44	LIKE	Native key	12
KEYLEN	BINARY	CPSM	2	LIKE	Length of key data	11
LASTOPER	BINARY	CPSM	1	LIKE	Last operation type	8
LASTOPER Input/output valid values	1 (COPY) - Copy operation, 2 (DELETE) - Delete operation, 3 (GET) - Get operation, 4 (MARK) - Mark operation, 5 (REFRESH) - Refresh operation, 6 (PERFOBJ) - Perform Object operation, 7 (PERFSET) - Perform Set operation, 8 (SET) - Set operation, 9 (UNMARK) - Unmark operation					
OBJECT	CHAR	CPSM	8	LIKE	Object name	5
OBJTYPE	BINARY	CPSM	1	LIKE	Object type	6
OBJTYPE Input/output valid values	1 (RESOURCE) - CPSM Resource, 2 (VIEW) - Logical View					
<b>RECORDNUM-1</b>	BINARY	CPSM	4	LIKE	Record number	1
RECTYPE	BINARY	CPSM	1	LIKE	Record type	7
RECTYPE Input/output valid values	1 (DETAIL) - Detail data, 2 (SUMMARY) - Summarized data					

Table 152. OBJSTAT resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
RESERVE1	CHAR	CPSM	170	LIKE	Reserved	13
STATUS	BIT	CPSM	1	LIKE	Record status	9
STATUS Input/output valid values	128 (MARKED) - Record marked, 1 (OPERERR) - Operation error					

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## OSGIBUND Resource Table

A CICS resource that provides information about OSGi bundles.

The **Primary** key field for this resource class is OSGIBUND.

The **Secondary** key field for this resource class is JVMSERVER.

The **Tertiary** key field for this resource class is OSGIVERSION.

The following actions are supported:

**INQUIRE**

Retrieve information about an OSGi bundle that is installed in a JVM server.

**External resource name**

CICSOSGiBundle

**Length**

872

**Usage** API or WUI or CICS Management Client Interface

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0208

Table 153. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 154. OSGIBUND resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
BUNDLE	CHAR	INQ	8	DIFF	CICS BUNDLE name	17
BUNDLEPART	CHAR	INQ	255	DIFF	CICS BUNDLE bundlepart	15
CHANGEAGENT	CVDAS	INQ	4	LIKE	Last modification agent	3
CHANGEAGENT Input/output valid values	CSDAPI, CSDBATCH, DREPAPI, CREATESPI, NOTAPPLIC					
CHANGEAGREL	CHAR	INQ	4	DIFF	Last modification agent release	4
CHANGETIME	DATETIME	INQ	8	MAX	Last modification time	11
CHANGEUSRID	CHAR	INQ	8	DIFF	Last modification user ID	5
DEFINESOURCE	CHAR	INQ	8	DIFF	Source of the resource definition	6
DEFINETIME	DATETIME	INQ	8	MAX	Creation time	10
INSTALLAGENT	CVDAS	INQ	4	LIKE	Installation agent	7
INSTALLAGENT Input/output valid values	BUNDLE					
INSTALLTIME	DATETIME	INQ	8	MAX	Installation time	12
INSTALLUSRID	CHAR	INQ	8	DIFF	Installation user ID	8
<b>JVMSEVER-2</b>	CHAR	CPSM	8	DIFF	JVM server	16
<b>OSGIBUND-1</b>	CHAR	INQ	255	DIFF	OSGi bundle name	1
OSGIBUNDLEID	BINARY	INQ	8	DIFF	OSGi bundle ID	14
OSGISTATUS	CVDAS	INQ	4	LIKE	Status	9
OSGISTATUS Output valid values	UNINSTALLED, INSTALLED, RESOLVED, STARTING, STOPPING, ACTIVE					
<b>OSGIVERSION-3</b>	CHAR	INQ	255	DIFF	Version of the OSGi bundle	18

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## OSGISERV Resource Table

A CICS resource that provides information about OSGi services.

The **Primary** key field for this resource class is OSGISERVICE.

The **Secondary** key field for this resource class is JVMSEVER.

The following actions are supported:

#### INQUIRE

Retrieve information about an OSGi service that is registered in a JVM server.

#### External resource name

CICSOSGiService

#### Length

1064

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

#### API view

Yes



**CMAS context**  
No

**SCOPE applies**  
Yes

**Only query CMASs in workload**  
No

**Object type**  
CICS Resource

**Copybook identifier**  
EYUt0209

Table 155. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 156. OSGISERV resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
BUNDLE	CHAR	INQ	8	SUM	CICS BUNDLE name	4
BUNDLEPART	CHAR	INQ	255	DIFF	CICS BUNDLEPART name	5
JVMSEVER-2	CHAR	CPSM	8	AVG	JVM server	3
OSGIBUNDLE	CHAR	INQ	255	DIFF	Symbolic name of the OSGi bundle	7
OSGISERVICE-1	BINARY	INQ	8	DIFF	OSGi service ID	1
OSGIVERSION	CHAR	INQ	255	DIFF	Version of the OSGi bundle	6
SRVCNAME	CHAR	INQ	255	DIFF	Name of the OSGi service	8
SRVCSTATUS	CVDAS	INQ	4	LIKE	Service status	2
SRVCSTATUS Input/output valid values	ACTIVE, INACTIVE					

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## PARINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a partner definition (PARTDEF) in a resource group (RESGROUP). A PARTDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is PARTGROUP.

The **Secondary** key field for this resource class is PARTNAME.

The **Tertiary** key field for this resource class is PARTVER.

There are no object specific actions for this resource class.

**External resource name**

**Length**  
56

**Usage** API or Batch Utility or WUI

**API view**  
No

**CMAS context**  
No

**SCOPE applies**  
No

**Only query CMASs in workload**  
No

**Object type**  
CICSplex SM Definition

**Copybook identifier**  
EYUt6151

Table 157. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

Table 158. PARINGRP FEEDBACK error codes

Value	Code	Description
1	PARINGRP_INV_DATA	Attribute data invalid
2	PARINGRP_REC_NOT_FOUND	Requested resource not found
4	PARINGRP_REC_EXISTS	Resource already exists
6	PARINGRP_INV_RESTYPE	Invalid resource type
7	PARINGRP_INV_VER	Invalid resource version
11	PARINGRP_NON_MP	Maintenance point CMAS not available
12	PARINGRP_INV_CONTEXT	Context not found
21	PARINGRP_INCONSISTENT_SET	Inconsistent set
22	PARINGRP_DIFF_VERSION	Different version
23	PARINGRP_INV_NAME	Invalid name
24	PARINGRP_INV_MINNAME	Invalid minor name

Table 159. PARINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CV DAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>PARTGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name	5
<b>PARTNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	Partner definition name	6
<b>PARTVER-3</b>	BINARY	CPSM	1	Yes	AVG	Partner definition version	7

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## PARMAVA Resource Table

A CPSM MetaData resource that describes the allowable values for a parameter.

The **Primary** key field for this resource class is PARMIDN.

The **Secondary** key field for this resource class is PARMAVAIDN.

There are no object specific actions for this resource class.

**External resource name**

**Length**

40

**Usage** API

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Metadata

**Copybook identifier**

EYUt2635

Table 160. Valid CPSM operations

Operations	Actions	Parameters	Required
Not applicable			

Table 161. PARMAVA resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
LITERAL	CHAR	CPSM	12	DIFF	Parameter literal	6
PARMAVAIDN-2	BINARY	CPSM	4	AVG	AVA number for parameter	5
PARMIDN-1	BINARY	CPSM	4	AVG	Parameter number	4
VALUE	BINARY	CPSM	4	AVG	Parameter value in numeric form	7
VALUENAME	CHAR	CPSM	12	DIFF	Parameter value as character string	8

### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## PARTDEF Resource Table

A CICS Definition that describes a partner, which enables application programs to communicate via APPC protocols with a partner application on a remote logical unit.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

The following actions are supported:

### INSTALL

Install a Partner Definition.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

### External resource name

CICSDefinitionPartner

### Length

360

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

### API view

No

### CMAS context

No

### SCOPE applies

No

### Only query CMASs in workload

No

### Object type

CICS Definition

### Copybook identifier

EYUt3806

Table 162. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No
		CSDGROUP(value)	No
		RESGROUP(value)	No
CREATE		CSD	No
		RESGROUP(value)	No
UPDATE		CSD	No
REMOVE		CSD	No
PERFORM	INSTALL	FORCEINS(YES, NO)	No
SET		MODE(value)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No

Table 162. Valid CPSM operations (continued)

Operations	Actions	Parameters	Required
		RELATED(value)	No
		STATECHK(YES, NO)	No
		TARGET(value)	Yes
		USAGE(LOCAL)	Yes
	ADDTGRP	RESGROUP(value)	Yes
	CSDINSTALL	None	N/A
	CSDCOPY	AS_RESOURCE(value)	No
		DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No

Table 163. PARTDEF FEEDBACK error codes

Value	Code	Description
1	PARTDEF_INV_DATA	Attribute data invalid
2	PARTDEF_REC_NOT_FOUND	Requested resource not found
4	PARTDEF_REC_EXISTS	Resource already exists
5	PARTDEF_REC_CHANGED	Resource definition already changed
6	PARTDEF_INV_RESTYPE	Invalid resource type
7	PARTDEF_INV_VER	Invalid resource version
11	PARTDEF_NON_MP	Maintenance point CMAS not available
12	PARTDEF_INV_CONTEXT	Context not found
13	PARTDEF_INCONSISTENT_SET	Inconsistent set condition
14	PARTDEF_INV_RESGROUP	Resource group not found
21	PARTDEF_INV_ACTION	Invalid action
22	PARTDEF_INV_RECADDR	Invalid record address
23	PARTDEF_INV_RECLEN	Invalid record length
24	PARTDEF_DIFF_VERSION	Different version
25	PARTDEF_EARLY_NAMELIST_END	Early name list end
26	PARTDEF_INV_NAMELIST	Invalid name list
27	PARTDEF_INV_NAME	Invalid name
28	PARTDEF_INV_MINNAME	Invalid minor name
29	PARTDEF_NOTIFY	Notify
30	PARTDEF_PARTIAL_INSTALL	Partial install
31	PARTDEF_NOHING_INSTALLED	Nothing installed
32	PARTDEF_NO_TARGETS	No targets
33	PARTDEF_NO_RELATED	No related systems
34	PARTDEF_INV_TSCOPE	Invalid target scope
35	PARTDEF_INV_RSCOPE	Invalid related scope
36	PARTDEF_INV_USAGE	Invalid usage
37	PARTDEF_INV_MODE	Invalid mode
38	PARTDEF_INV_STATECHK	Invalid state check
39	PARTDEF_INV_FORCEINS	Invalid force install
40	PARTDEF_INV_NOTIFY	Invalid notify
41	PARTDEF_INV_OVERTYPE	Invalid oertype
42	PARTDEF_INV_OVRBLOCK	Invalid override block
43	PARTDEF_INV_ORSTRING	Invalid override string
44	PARTDEF_INV_STRNGTERM	Invalid string terminator
45	PARTDEF_INV_EMBEDTERM	Invalid embedded terminator
46	PARTDEF_INV_ATTRIBUTE	Invalid attribute
47	PARTDEF_INV_LITERAL	Invalid literal
48	PARTDEF_INV_ORSTGNA	Invalid override string
49	PARTDEF_SCOPE_REQUIRED	Scope required

Table 163. PARTDEF FEEDBACK error codes (continued)

Value	Code	Description
50	PARTDEF_USAGE_CONFLICT	Usage conflict
51	PARTDEF_NODEFS_SELECTED	No definitions selected
52	PARTDEF_MORE_THAN_1_RELSYS	More than one related system
53	PARTDEF_MISSING_RELSYSID	Missing related system identifier
54	PARTDEF_SCOPE_CONFLICT	Scope conflict
55	PARTDEF_INV_CSDGROUP	Invalid CSD group
56	PARTDEF_REC_NOT_REMOVED	Record not removed
57	PARTDEF_INV_RESOURCE	Invalid resource
58	PARTDEF_INV_CICS_RESTYPE	Invalid CICS restype
59	PARTDEF_PARTIAL_ACTION	Partial action
60	PARTDEF_NOTHING_ACTIONED	Nothing actioned
61	PARTDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive
62	PARTDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
63	PARTDEF_CSD_ERROR	CSD access error

Table 164. PARTDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			E640 E650	19
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	21
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification time				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	20
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				13
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	23
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		5
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		18
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				17
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name				7
NETNAME	CHAR	CPSM	8	Yes	DIFF	VTAM node name				8
NETWORK	CHAR	CPSM	8	No	DIFF	Network name				9
PROFILE	CHAR	CPSM	8	Yes	DIFF	Profile definition name	DFHCICSA			10
TPNAME	CHAR	CPSM	64	No	DIFF	Remote transaction program name (characters)				11
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				14
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				15
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				16
XTPNAME	CHAR	CPSM	128	No	DIFF	Remote transaction program name (hexadecimal)				12

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## PARTNER Resource Table

A CICS Resource that describes a CPI-C partner table in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is PARTNER.

The following action is supported:

### DISCARD

Discard the partner definition

The DISCARD action requires no unique parameter data.

### External resource name

CICSPartner

### Length

120

**Usage** API or WUI or CICS Management Client Interface

### API view

Yes

### CMAS context

No

### SCOPE applies

Yes

### Only query CMASs in workload

No

### Object type

CICS Resource

### Copybook identifier

EYUt0052

Table 165. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET			

Table 166. PARTNER resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
NETNAME	CHAR	INQ	8	DIFF	Node where partner located	2
NETWORK	CHAR	INQ	8	DIFF	Network where partner located	3
<b>PARTNER-1</b>	CHAR	INQ	8	DIFF	Partner name	1
PROFILE	CHAR	INQ	8	DIFF	Profile name for partner	4
TPNAME	CHAR	INQ	64	DIFF	Remote transaction program name	5
TPNAMELEN	BINARY	INQ	2	AVG	Length of remote transaction program name	6

### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## PERIODEF Resource Table

A CPSM Communications Definition that describes a named period of time. Time periods are used to control when certain management application definitions are installed. They are also used to identify the expected operational period for CICS systems.

The **Primary** key field for this resource class is NAME.

There are no object specific actions for this resource class.

**External resource name**

CICSPeriodDefinition

**Length**

112

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt2811

Table 167. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
UPDATE		None	N/A
REMOVE		None	N/A

Table 168. PERIODEF FEEDBACK error codes

Value	Code	Description
1	PERIODEF_INV_DATA	Attribute data invalid
2	PERIODEF_REC_NOT_FOUND	Requested resource not found
4	PERIODEF_REC_EXISTS	Resource already exists
5	PERIODEF_REC_CHANGED	Resource definition already changed



Table 169. PERIODEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			12
CHANGEAGENT Input/output valid values	DREPAPI								
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			15
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification			1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			14
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created			13
DESC	CHAR	CPSM	58	No	DIFF	Description			10
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999	11
END	HHMM	CPSM	2	Yes	MAX	End time			7
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name			5
START	HHMM	CPSM	2	Yes	MAX	Start time			6
ZONE	CHAR	CPSM	1	Yes	DIFF	Time zone			9
ZONEADJ	BINARY	CPSM	1	Yes	AVG	Time zone adjustment factor	0		8

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## PGMINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a program definition (PROGDEF) in a resource group (RESGROUP). A PROGDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is PROGGROUP.

The **Secondary** key field for this resource class is PROGNAME.

The **Tertiary** key field for this resource class is PROGVER.

There are no object specific actions for this resource class.

**External resource name**

**Length**

56

**Usage** API or Batch Utility or WUI

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**  
CICSplex SM Definition

**Copybook identifier**  
EYUt6154

Table 170. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

Table 171. PGMINGRP FEEDBACK error codes

Value	Code	Description
1	PGMINGRP_INV_DATA	Attribute data invalid
2	PGMINGRP_REC_NOT_FOUND	Requested resource not found
4	PGMINGRP_REC_EXISTS	Resource already exists
6	PGMINGRP_INV_RESTYPE	Invalid resource type
7	PGMINGRP_INV_VER	Invalid resource version
11	PGMINGRP_NON_MP	Maintenance point CMAS not available
12	PGMINGRP_INV_CONTEXT	Context not found
21	PGMINGRP_INCONSISTENT_SET	Inconsistent set
22	PGMINGRP_DIFF_VERSION	Different version
23	PGMINGRP_INV_NAME	Invalid name
24	PGMINGRP_INV_MINNAME	Invalid minor name

Table 172. PGMINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>PROGGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name	5
<b>PROGNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	Program definition name	6
<b>PROGVER-3</b>	BINARY	CPSM	1	Yes	AVG	Program definition version	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## PIPEDEF Resource Table

A CICS definition that describes the processing nodes that will act on a service request and on the response to it when a CICS application acts in the role of a Web-service provider or requester.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

The following actions are supported:

#### INSTALL

Install a Connection Definition.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

#### ADDTGRP

Add to resource group

PARM(' [ERRQUEUE] RESGROUP(*value*) .')

#### External resource name

CICSDefinitionPipeline

#### Length

920

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

#### API view

No

#### CMAS context

No

#### SCOPE applies

No

#### Only query CMASs in workload

No

#### Object type

CICS Definition

#### Copybook identifier

EYUt3834

Table 173. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No
		CSDGROUP(value)	No
		RESGROUP(value)	No
CREATE		CSD	No
		RESGROUP(value)	No
UPDATE		CSD	No
REMOVE		CSD	No
PERFORM	INSTALL	FORCEINS(YES, NO)	No
SET		MODE(value)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No
		RELATED(value)	No
		STATECHK(YES, NO)	No
		TARGET(value)	Yes
		USAGE(LOCAL)	Yes

Table 173. Valid CPSM operations (continued)

Operations	Actions	Parameters	Required
	ADDTOGRP	RESGROUP(value)	Yes
	CSDINSTALL	None	N/A
	CSDCOPY	AS_RESOURCE(value)	No
		DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No

Table 174. PIPEDEF FEEDBACK error codes

Value	Code	Description
1	PIPEDEF_INV_DATA	Attribute data invalid
2	PIPEDEF_REC_NOT_FOUND	Requested resource not found
4	PIPEDEF_REC_EXISTS	Resource already exists
5	PIPEDEF_REC_CHANGED	Resource definition already changed
6	PIPEDEF_INV_RESTYPE	Invalid resource type
7	PIPEDEF_INV_VER	Invalid resource version
11	PIPEDEF_NON_MP	Maintenance point CMAS not available
12	PIPEDEF_INV_CONTEXT	Context not found
13	PIPEDEF_INCONSISTENT_SET	Inconsistent set condition
14	PIPEDEF_INV_RESGROUP	Resource group not found
21	PIPEDEF_INV_ACTION	Invalid action
22	PIPEDEF_INV_RECADDR	Invalid record address
23	PIPEDEF_INV_RECLEN	Invalid record length
24	PIPEDEF_DIFF_VERSION	Different version
25	PIPEDEF_EARLY_NAMELIST_END	Early name list end
26	PIPEDEF_INV_NAMELIST	Invalid name list
27	PIPEDEF_INV_NAME	Invalid name
28	PIPEDEF_INV_MINNAME	Invalid minor name
29	PIPEDEF_NOTIFY	Notify
30	PIPEDEF_PARTIAL_INSTALL	Partial install
31	PIPEDEF_NOTHING_INSTALLED	Nothing installed
32	PIPEDEF_NO_TARGETS	No targets
33	PIPEDEF_NO_RELATED	No related systems
34	PIPEDEF_INV_TSCOPE	Invalid target scope
35	PIPEDEF_INV_RSCOPE	Invalid related scope
36	PIPEDEF_INV_USAGE	Invalid usage
37	PIPEDEF_INV_MODE	Invalid mode
38	PIPEDEF_INV_STATECHK	Invalid state check
39	PIPEDEF_INV_FORCEINS	Invalid force install
40	PIPEDEF_INV_NOTIFY	Invalid notify
41	PIPEDEF_INV_OVERTYPE	Invalid over type
42	PIPEDEF_INV_OVRBLOCK	Invalid override block
43	PIPEDEF_INV_ORSTRING	Invalid override string
44	PIPEDEF_INV_STRNGTERM	Invalid string term
45	PIPEDEF_INV_EMBEDTERM	Invalid embedded terminator
46	PIPEDEF_INV_ATTRIBUTE	Invalid attribute
47	PIPEDEF_INV_LITERAL	Invalid literal
48	PIPEDEF_INV_ORSTGNA	Invalid override string
49	PIPEDEF_SCOPE_REQUIRED	Scope required
50	PIPEDEF_USAGE_CONFLICT	Usage conflict
51	PIPEDEF_NODEFS_SELECTED	No definitions selected
52	PIPEDEF_MORE_THAN_1_RELSYS	More than one related system
53	PIPEDEF_MISSING_RELSYSID	Missing related system identifier

Table 174. PIPEDEF FEEDBACK error codes (continued)

Value	Code	Description
54	PIPEDEF_SCOPE_CONFLICT	Scope conflict
55	PIPEDEF_INV_CSDGROUP	Invalid CSD group
56	PIPEDEF_REC_NOT_REMOVED	Record not removed
57	PIPEDEF_INV_RESOURCE	Invalid resource
58	PIPEDEF_INV_CICS_RESTYPE	Invalid CICS restype
59	PIPEDEF_PARTIAL_ACTION	Partial action
60	PIPEDEF_NOTHING_ACTIONED	Nothing actioned
61	PIPEDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive
62	PIPEDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
63	PIPEDEF_CSD_ERROR	CSD access error

Table 175. PIPEDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			E640 E650	21
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	23
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification time				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	22
CONFIGFILE	CHAR	CPSM	255	Yes	DIFF	Configuration file name on zFS for this pipeline				14
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				9
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	25
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		5
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		18
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				13
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name				7
RESPWAIT	CHAR	CPSM	4	No	DIFF	Response wait time for Requester Pipeline (SSSS)	DEFT	0-9999	E640	19
RESPWAIT Input/output valid values	DEFT									
SHELF	CHAR	CPSM	255	No	DIFF	Name of a directory (shelf) for WSBIND files	/var/cicsts			15
STATUS	CVDAS	CPSM	4	No	LIKE	ENABLED status	ENABLED			16
STATUS Input/output valid values	ENABLED, DISABLED									
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				10
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				11
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				12
WSDIR	CHAR	CPSM	255	No	DIFF	Name of the WSBIND (pickup) directory on zFS				17

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

---

## PIPELINE Resource Table

A CICS resource that describes the processing nodes that will act on a service request and on the response to it when a CICS application acts in the role of a Web-service provider or requester.

The **Primary** key field for this resource class is NAME.

The following actions are supported:

**ENABLE**

Process inbound service requests normally.

**DISABLE**

Reject inbound service requests.

**DISCARD**

Remove this PIPELINE definition.

**SCAN** Scan the PIPELINE's web service binding directory.

**External resource name**

CICSPipeline

**Length**

1176

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0164

Table 176. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM	ENABLE	None	N/A
SET	DISABLE	None	N/A
	DISCARD	None	N/A
	SCAN	None	N/A

Table 177. PIPELINE resource table attributes

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved			
BASDEFINEVER	BINARY	CPSM	1	AVG	No	BAS resource definition version	0	E640 E650	30
CHANGEAGENT	CVDAS	INQ	4	LIKE	No	Last modification agent		E640 E650	22
CHANGEAGENT Input/output valid values	CSDAPI, CSDBATCH, DREPAPI, DREPBATCH, CREATESPI, NOTAPPLIC								
CHANGEAGREL	CHAR	INQ	4	DIFF	No	Last modification agent release		E640 E650	23
CHANGETIME	DATETIME	INQ	8	MAX	No	Last modification time		E640 E650	25
CHANGEUSRID	CHAR	INQ	8	DIFF	No	Last modification user ID		E640 E650	20
CIDDOMAIN	CHAR	INQ	255	DIFF	No	MIME content id domain name		E640	13
CONFIGFILE	CHAR	INQ	255	DIFF	No	Configuration file name on zFS for this pipeline			4
DEFINESOURCE	CHAR	INQ	8	DIFF	No	Source of the resource definition		E640 E650	26
DEFINETIME	DATETIME	INQ	8	MAX	No	Creation time		E640 E650	27
ENABLESTATUS	CVDAS	INQ	4	LIKE	Yes	Status			2
ENABLESTATUS Input/output valid values	ENABLED, DISABLED								
ENABLESTATUS Output valid values	ENABLING, DISABLING, DISCARDING								
INSTALLAGENT	CVDAS	INQ	4	LIKE	No	Installation agent		E640 E650	24
INSTALLAGENT Input/output valid values	CSDAPI, CREATESPI, GRPLIST, BUNDLE								
INSTALLTIME	DATETIME	INQ	8	MAX	No	Installation time		E640 E650	29
INSTALLUSRID	CHAR	INQ	8	DIFF	No	Installation user ID		E640 E650	28
MSGFORMAT	CHAR	INQ	8	DIFF	No	Format of messages processed by the pipeline		E640 E650 E660 E670 E680	33
MTOMNOXOPST	EYUDA	INQ	4	LIKE	No	Use MTOM even when no XOP attachments are present		E640	16
MTOMNOXOPST Output valid values	YES, NO								
MTOMST	EYUDA	INQ	4	LIKE	No	SOAP MTOM status		E640	14
MTOMST Output valid values	SUPPORTED, NOTSUPPORTED								
<b>NAME-1</b>	CHAR	INQ	8	DIFF	No	Name			1
PIPEMODE	CVDAS	INQ	4	LIKE	No	Pipeline operation mode		E640	8
PIPEMODE Output valid values	REQUESTER, PROVIDER, UNKNOWN								
PIPEUSECOUNT	BINARY	STAT	4	SUM	No	Number of times pipeline has been used			3
RESPWAIT	BINARY	INQ	4	LIKE	Yes	Response wait time for Requester Pipelines			9

Table 177. PIPELINE resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
SENDMTOMST	EYUDA	INQ	4	LIKE	No	Outbound SOAP message MTOM status		E640	15
SENDMTOMST Output valid values	YES, NO, SAME								
SHELF	CHAR	INQ	255	DIFF	No	Name of a directory (shelf) for WSBIND files			5
SOAPLEVEL	CHAR	INQ	8	DIFF	No	SOAP level supported by the pipeline		E640	12
SOAPRNUM	BINARY	INQ	4	LIKE	No	SOAP release number part of SOAPLEVEL		E640	11
SOAPVNUM	BINARY	INQ	4	LIKE	No	SOAP version number part of SOAPLEVEL		E640	10
WSDIR	CHAR	INQ	255	DIFF	No	Name of the WSBIND (pickup) directory on zFS			6
XOPDIRECTST	EYUDA	INQ	4	LIKE	No	Pipeline direct mode XOP status		E640	18
XOPDIRECTST Output valid values	SUPPORTED, NOTSUPPORTED								
XOPSUPPORTST	EYUDA	INQ	4	LIKE	No	Pipeline application handler XOP capability		E640	17
XOPSUPPORTST Output valid values	SUPPORTED, NOTSUPPORTED								

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## PIPINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a pipeline definition (PIPEDEF) in a resource group (RESGROUP). A PIPEDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is PIPGROUP.

The **Secondary** key field for this resource class is PIPNAME.

The **Tertiary** key field for this resource class is PIPVER.

There are no object specific actions for this resource class.

**External resource name**

**Length**

56

**Usage** API or Batch Utility or WUI

**API view**

No

**CMAS context**

No

**SCOPE applies**

No



Only query CMASs in workload  
No

Object type  
CICSplex SM Definition

Copybook identifier  
EYUt6179

Table 178. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

Table 179. PIPINGRP FEEDBACK error codes

Value	Code	Description
1	PIPINGRP_INV_DATA	Attribute data invalid
2	PIPINGRP_REC_NOT_FOUND	Requested resource not found
4	PIPINGRP_REC_EXISTS	Resource already exists
6	PIPINGRP_INV_RESTYPE	Invalid resource type
7	PIPINGRP_INV_VER	Invalid resource version
11	PIPINGRP_NON_MP	Maintenance point CMAS not available
12	PIPINGRP_INV_CONTEXT	Context not found
21	PIPINGRP_INCONSISTENT_SET	Inconsistent set
22	PIPINGRP_DIFF_VERSION	Different version
23	PIPINGRP_INV_NAME	Invalid name
24	PIPINGRP_INV_MINNAME	Invalid minor name

Table 180. PIPINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CV DAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>PIPGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name	5
<b>PIPNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	Pipeline definition name	6
<b>PIPPER-3</b>	BINARY	CPSM	1	Yes	AVG	Pipeline definition version	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

---

## PLATDEF Resource Table

This CICS resource object provides information about platform definitions.

The **Primary** key field for this resource class is NAME.

The following actions are supported:

### INSTALL

Deploy a PLATDEF resource into the CICSplex.

### External resource name

CICSPlatformDefinition

### Length

368

**Usage** API or Batch Utility or CICS Management Client Interface

### API view

No

### CMAS context

No

### SCOPE applies

No

### Only query CMASs in workload

No

### Object type

CICSplex SM Definition

### Copybook identifier

EYUt3527

Table 181. Valid CPSM operations

Operations	Actions	Parameters	Required
GET	INSTALL	None	N/A
CREATE		None	N/A
REMOVE		None	N/A
PERFORM		None	N/A
SET		None	N/A

Table 182. PLATDEF FEEDBACK error codes

Value	Code	Description
1	PLATDEF_DATA_INVALID	Attribute data invalid
2	PLATDEF_REC_NOT_FOUND	Platform definition not found
3	PLATDEF_CICSplex_MATCHES_NAME	PLATDEF name matches an existing CICSplex
4	PLATDEF_REC_EXISTS	Platform definition already exists
5	PLATDEF_CSYSGRP_MATCHES_NAME	PLATDEF name matches an existing system group
6	PLATDEF_CSYSDEF_MATCHES_NAME	PLATDEF name matches an existing system definition
7	PLATDEF_PLATFORM_INSTALLED	Platform is already installed
8	PLATDEF_BUNDLE_FILE_NOT_AUTH	User ID not authorized to access zFS file
9	PLATDEF_NOT_FOUND_BUNDLE_FILE	Platform bundle file not found

Table 182. PLATDEF FEEDBACK error codes (continued)

Value	Code	Description
10	PLATDEF_XML_IN_BUNDLE_INVALID	Invalid XML in bundle
12	PLATDEF_CSYSGRP_NOT_FOUND	System group named in platform bundle not found
13	PLATDEF_CSYSGRP_IN_USE	System group named in platform bundle is in use
15	PLATDEF_PLATFORM_INVALID	The specified platform is invalid
16	PLATDEF_PLATHOME_INVALID	The specified platform home is invalid
17	PLATDEF_RGNTYPE_ID_INVALID	A region type ID used in the platform is invalid
18	PLATDEF_RGNTYPE_NAME_INVALID	A region type name used in the platform is invalid
19	PLATDEF_DUPLICATE_RGNTYPE	The platform contains a duplicate region type name
20	PLATDEF_RGNTYPE_HAS_SUBGROUPS	A region type used in the platform has subgroups
21	PLATDEF_INSTALLED_SOME_BUNDLES	CICS bundles were not installed in some regions
22	PLATDEF_INSTALLED_NO_BUNDLES	CICS bundles were not installed in any regions
23	PLATDEF_DUPLICATE_RGNTYPE_ID	Platform references a duplicate region type ID
24	PLATDEF_DUPLICATE_REGION	A duplicate CICS region exists and cannot be used
25	PLATDEF_REGION_MATCHES_GROUP	VTAM APPLID matches an existing group definition
26	PLATDEF_BUNDLE_INVALID_VERSION	Invalid version of Platform bundle.
27	PLATDEF_INSTALL_FAILED	PLATDEF install failed.
28	PLATDEF_PLATFORM_BUSY	Platform is busy for another action.
29	PLATDEF_PLATDIR_INVALID	Platform directory does not reside in a sub directory named platform, within the platform home directory.
30	PLATDEF_RLINK_DUPLICATE	Duplicate regionLink.
31	PLATDEF_REGIONTYPE_UNEXPECTED	Region type defined in regionTypes.xml not defined in platform.xml.
32	PLATDEF_REGIONTYPE_MISSING	Missing regionType.
33	PLATDEF_REGION_FIELD_INVALID	Region attribute specifies an unrecognised value.
34	PLATDEF_INCOMPATIBLE_MODEL	A region type model for region type contains an incompatible attribute value.
35	PLATDEF_NOLINK_CREATED_RTYPE	No region type links were found for created region type.
36	PLATDEF_LINK_FOR_ADOPTED_RTYPE	A region type link was found for an adopted region type.
37	PLATDEF_SHARED_RGN_NOT_CREATED	A region could not be shared to created region.
38	PLATDEF_NO_RTYPE_FND_FOR_LINK	A region type link specifies unknown region type.
39	PLATDEF_NO_REGION_FND_FOR_LINK	A region type link specifies unknown region.
40	PLATDEF_INVALID_MODEL_ATTR	A region type model attribute is invalid.
41	PLATDEF_NOLINK_CREATED_RGN	No region types link for a created region
42	PLATDEF_CREATED_RTYPE_EXISTS	System group for a created region type already exists.
43	PLATDEF_CREATED_REGION_ACTIVE	Created region already active.
44	PLATDEF_NO_RTYPE_FOR_BINDING	No region type for binding.

Table 182. PLATDEF FEEDBACK error codes (continued)

Value	Code	Description
45	PLATDEF_RGNTYPE_HAS_CREATEDRGN	A platform created region was found in an adopted region type.

Table 183. PLATDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent		4
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release		7
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification		1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID		6
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created		5
DESCCODEPAGE	BINARY	CPSM	4	No	MAX	Description code page	37	12
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description		11
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Platform definition		10
PLATDIR	CHAR	CPSM	255	Yes	DIFF	Platform bundle directory.		13

## PLATFORM Resource Table

This CICS resource object is the runtime object that represents a deployed platform.

The **Primary** key field for this resource class is PLATDEF.

The following actions are supported:

### ADDBUNDLE

Add a CICS bundle to the platform.

#### BUNDLEID

CICS bundle ID of the CICS bundle to add to this platform.

#### BUNDMAJORVER

CICS bundle major version of the CICS bundle to add to the platform.

#### BUNDMICROVER

CICS bundle micro version of the CICS bundle to add to the platform.

#### BUNDMINORVER

CICS bundle minor version of the CICS bundle to add to the platform.

#### REGIONTYPE

Region type that the supplied CICS bundle should be installed into.

### ADDREGION

Add a CICS region to a region type.

#### APPLID

APPLID of the CICS region to be added.

#### CSYSDEF\_NAME

Name of the CICS system definition for the CICS region to be added.

#### PRICMAS

Primary CMAS for the CICS region to be added.

#### REGIONTYPE

Platform region type to which the CICS region will be added.

<b>SYSID</b>	SYSID of the CICS region to be added.
<b>DISABLE</b>	Disable a platform in the CICSplex.
<b>DISCARD</b>	Remove a platform from the CICSplex.
<b>ENABLE</b>	Enable a platform in the CICSplex.
<b>GET</b>	Retrieve information about a deployed platform.
<b>REMOVEBUNDLE</b>	Remove a CICS bundle from the platform.
<b>BUNDLEID</b>	CICS bundle ID of the CICS bundle to be removed.
<b>BUNDMAJORVER</b>	CICS bundle major version of the CICS bundle to be removed.
<b>BUNDMICROVER</b>	CICS bundle micro version of the CICS bundle to be removed.
<b>BUNDMINORVER</b>	CICS bundle minor version of the CICS bundle to be removed.
<b>REGIONTYPE</b>	Platform region type where the CICS bundle will be removed.
<b>REMOVEREGION</b>	Remove a CICS region from a region type.
<b>CSYSDEF_NAME</b>	Name of the CICS system definition for the CICS region to be removed.
<b>REGIONTYPE</b>	Platform region type from which the CICS region will be removed.
<b>External resource name</b>	CICSPlatform
<b>Length</b>	760
<b>Usage</b>	API or CICS Management Client Interface
<b>API view</b>	Yes
<b>CMAS context</b>	No
<b>SCOPE applies</b>	Yes
<b>Only query CMASs in workload</b>	No
<b>Object type</b>	CICSplex SM Manager
<b>Copybook identifier</b>	EYUt3526

Table 184. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	ENABLE	None	N/A
	DISABLE	None	N/A
	REMOVEBUNDLE	BUNDLEID(value)	Yes
		BUNDMAJORVER(value)	Yes
		BUNDMICROVER(value)	Yes
		BUNDMINORVER(value)	Yes
		REGIONTYPE(value)	Yes
	ADDBUNDLE	BUNDLEID(value)	Yes
		BUNDMAJORVER(value)	Yes
		BUNDMICROVER(value)	Yes
		BUNDMINORVER(value)	Yes
		REGIONTYPE(value)	Yes
	ADDREGION	APPLID(value)	No
		CSYSDEF_NAME(value)	Yes
		PRICMAS(value)	No
		REGIONTYPE(value)	Yes
		SYSID(value)	No
	REMOVEREGION	CSYSDEF_NAME(value)	Yes
		REGIONTYPE(value)	Yes

Table 185. PLATFORM FEEDBACK error codes

Value	Code	Description
1	PLATFORM_REC_NOT_FOUND	Platform not found
2	PLATFORM_CONTAINS_APPLICATIONS	Applications are installed in this Platform
3	PLATFORM_DISABLED_SOME_BUNDLES	CICS bundles were not disabled in some regions
4	PLATFORM_DISCARDED_SOME_BUNDS	CICS bundles were not discarded in some regions
5	PLATFORM_DISCARDED_NO_BUNDLES	CICS bundles were not discarded in any regions
6	PLATFORM_ENABLED_SOME_BUNDLES	CICS bundles were not enabled in some regions
7	PLATFORM_ENABLED_NO_BUNDLES	CICS bundles were not enabled in any regions
8	PLATFORM_DISABLED_NO_BUNDLES	CICS bundles were not disabled in any regions
11	PLATFORM_BUNDLE_NOT_FOUND	CICS bundle was not found
12	PLATFORM_RGNTYPE_INVALID	Invalid region type
13	PLATFORM_BUNDLE_ID_INVALID	Invalid CICS bundle ID
17	PLATFORM_REGION_ACTIVE	Region is active
18	PLATFORM_CONTEXT_INVALID	CICSplex not found
19	PLATFORM_APPLID_INVALID	Invalid VTAM APPLID
20	PLATFORM_SYSID_INVALID	Invalid system ID
21	PLATFORM_PRIMARY_CMAS_INVALID	Invalid primary CMAS
22	PLATFORM_REGION_INVALID	CICS region could not be created
23	PLATFORM_RGNTYPE_NOT_FOUND	Requested region type not found
24	PLATFORM_DUPLICATE_REGION	Duplicate CICS region exists
25	PLATFORM_CSYSGRP_EXISTS	VTAM APPLID matches an existing group definition

Table 185. PLATFORM FEEDBACK error codes (continued)

Value	Code	Description
26	PLATFORM_REGION_NOT_FOUND	Requested region not found
27	PLATFORM_RECORD_EXISTS	The CICS bundle already exists in the region type
28	PLATFORM_INSTALLED_SOME_BUNDS	CICS bundles were not installed in some regions
29	PLATFORM_INSTALLED_NO_BUNDLES	CICS bundles were not installed in any regions
30	PLATFORM_BUSY	Platform is busy for another action.
31	PLATFORM_NOT_DISABLED	At least one installed bundle is enabled.
32	PLATFORM_BUNDLE_NOT_DISABLED	At least one installed bundle is enabled.
33	PLATFORM_ADDBUNDLE_FAILED	Platform ADDBUNDLE request failed.
34	PLATFORM_BUNDLE_MAJVER_INVALID	Invalid CICS bundle major version
35	PLATFORM_BUNDLE_MINVER_INVALID	Invalid CICS bundle minor version
36	PLATFORM_BUNDLE_MICVER_INVALID	Invalid CICS bundle micro version
37	PLATFORM_PLATDEF_INVALID	Invalid platform definition
38	PLATFORM_CREATED_REGION_ACTIVE	A created region was still active.
39	PLATFORM_CREATED_REGION_IN_USE	A created region was still in use by Business Application Services (BAS).
40	PLATFORM_RTYPE_IN_USE	A region type was still in use by Business Application Services (BAS).
41	PLATFORM_CSYSDEF_NAME_INVALID	Invalid CSYSDEF name
42	PLATFORM_INCOMPAT_REGION	Incompatible region
43	PLATFORM_REGION_NOT_IN_RTYPE	Region not in Region Type
44	PLATFORM_STATUS_FAILED	Platform in failed state

Table 186. PLATFORM resource table attributes

Name	Datatype	Source	Len	Sum	Description	Default	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	LIKE	Last modification agent		3
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	DIFF	Last modification agent release		7
CHANGETIME	DATETIME	CPSM	8	MAX	Last modification		5
CHANGEUSRID	CHAR	CPSM	8	DIFF	Last modification user ID		6
CREATETIME	DATETIME	CPSM	8	MAX	Time created		4
DESCCODEPAGE	BINARY	CPSM	4	MAX	Description code page	37	16
DESCRIPTION	CHAR	CPSM	255	DIFF	Description of this platform		12
ENABLESTATUS	EYUDA	CPSM	4	LIKE	Enable Status		18
ENABLESTATUS Input/output valid values	ENABLED, DISABLED, ENABLING, DISABLING, INCOMPLETE, EMPTY, SOMEDISABLED, INSTALLING, DISCARDING, FAILED						
<b>PLATDEF-1</b>	CHAR	CPSM	8	DIFF	Platform definition		10
PLATDIR	CHAR	CPSM	255	DIFF	Platform bundle directory		13
PLATFORM	CHAR	CPSM	64	DIFF	Platform		15
PLATHOME	CHAR	CPSM	128	DIFF	Platform home directory		14
STATUS	EYUDA	CPSM	4	LIKE	Status		11
STATUS Input/output valid values	ACTIVE, PARTIAL, INACTIVE						

---

## POLMON Resource Table

A CPSM Monitor Manager object that describes a monitor definition installed in a specific CICS system.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is STATUS.

The **Tertiary** key field for this resource class is ACTIVETIME.

The following actions are supported:

### DISCARD

Unconditionally remove the installed definition.

### DEACTIVATE

Remove the installed definition honoring a PERIODEF.

These actions require no unique parameter data.

### External resource name

#### Length

56

**Usage** API or WUI

#### API view

No

#### CMAS context

No

#### SCOPE applies

Yes

#### Only query CMASs in workload

No

#### Object type

CICSplex SM Manager

#### Copybook identifier

EYUt2406

Table 187. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	DEACTIVATE	None	N/A

Table 188. POLMON FEEDBACK error codes

Value	Code	Description
1	POLMON_INV_DATA	Invalid name
2	POLMON_REC_NOT_FOUND	Requested resource not found
3	POLMON_INV_REFERENCE	Does not exist
4	POLMON_REC_EXISTS	Record exists
21	POLMON_DISCARD_NOT_ALLOWED	Discard not allowed



Table 188. POLMON FEEDBACK error codes (continued)

Value	Code	Description
22	POLMON_DEACT_NOT_ALLOWED	Deactivate not allowed

Table 189. POLMON resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
<b>ACTIVTIME-3</b>	CHAR	CPSM	8	DIFF	Activation period	5
INCLUDE	EYUDA	CPSM	4	LIKE	Monitoring inclusion status	4
INCLUDE Output valid values	YES, NO					
<b>NAME-1</b>	CHAR	CPSM	8	DIFF	Definition name	1
RESCLASS	EYUDA	CPSM	4	LIKE	Monitoring resource class	3
RESCLASS Output valid values	MCICS, MCONN, MGLBL, MDBX, MFILE, MJRNL, MPROG, MTDQS, MTERM, MTRAN					
RESNAME	CHAR	CPSM	8	DIFF	Resource name pattern	2
RODMPOP	EYUDA	CPSM	4	LIKE	Resource status facility monitoring status	7
RODMPOP Output valid values	YES, NO					
<b>STATUS-2</b>	EYUDA	CPSM	4	LIKE	Definition status	6
STATUS-2 Output valid values	ACTIVE, PENDING					

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## PRCINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a Process Type definition (PROCDEF) in a resource group (RESGROUP). A PROCDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is PROCGROUP.

The **Secondary** key field for this resource class is PROCNAME.

The **Tertiary** key field for this resource class is PRCVER.

There are no object specific actions for this resource class.

#### External resource name

#### Length

56

**Usage** API or Batch Utility or WUI

#### API view

No

#### CMAS context

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt6170

*Table 190. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

*Table 191. PRCINGRP FEEDBACK error codes*

Value	Code	Description
1	PRCINGRP_INV_DATA	Attribute data invalid
2	PRCINGRP_REC_NOT_FOUND	Requested resource not found
4	PRCINGRP_REC_EXISTS	Resource already exists
6	PRCINGRP_INV_RESTYPE	Invalid resource type
7	PRCINGRP_INV_VER	Invalid resource version
11	PRCINGRP_NON_MP	Maintenance point CMAS not available
12	PRCINGRP_INV_CONTEXT	Context not found
21	PRCINGRP_INCONSISTENT_SET	Inconsistent set
22	PRCINGRP_DIFF_VERSION	Different version
23	PRCINGRP_INV_NAME	Invalid name
24	PRCINGRP_INV_MINNAME	Invalid minor name

*Table 192. PRCINGRP resource table attributes*

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>PRCVER-3</b>	BINARY	CPSM	1	Yes	AVG	Process type definition version	7
<b>PROCGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name	5
<b>PROCNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	Process type definition name	6

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## PRNINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a partition set definition (PRTNDEF) in a resource group (RESGROUP). A PRTNDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is PRTNGROUP.

The **Secondary** key field for this resource class is PRTNNAME.

The **Tertiary** key field for this resource class is PRTNVER.

There are no object specific actions for this resource class.

**External resource name**

**Length**

56

**Usage** API or Batch Utility or WUI

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt6152

Table 193. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

Table 194. PRNINGRP FEEDBACK error codes

Value	Code	Description
1	PRNINGRP_INV_DATA	Attribute data invalid
2	PRNINGRP_REC_NOT_FOUND	Requested resource not found
4	PRNINGRP_REC_EXISTS	Resource already exists
6	PRNINGRP_INV_RESTYPE	Invalid resource type
7	PRNINGRP_INV_VER	Invalid resource version
11	PRNINGRP_NON_MP	Maintenance point CMAS not available
12	PRNINGRP_INV_CONTEXT	Context not found
21	PRNINGRP_INCONSISTENT_SET	Inconsistent set
22	PRNINGRP_DIFF_VERSION	Different version
23	PRNINGRP_INV_NAME	Invalid name
24	PRNINGRP_INV_MINNAME	Invalid minor name

Table 195. PRNINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>PRTNGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name	5
<b>PRTNNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	Partition set definition name	6
<b>PRTNVER-3</b>	BINARY	CPSM	1	Yes	AVG	Partition set definition version	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## PROCDEF Resource Table

A CICS Definition that describes a Process Type.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

The following actions are supported:

**INSTALL**

Install a Process Type Definition.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

**External resource name**

CICSDefinitionProcessType

**Length**

168

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICS Definition

**Copybook identifier**  
EYUt3825

*Table 196. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No
		CSDGROUP(value)	No
		RESGROUP(value)	No
CREATE		CSD	No
		RESGROUP(value)	No
UPDATE		CSD	No
REMOVE		CSD	No
PERFORM	INSTALL	FORCEINS(YES, NO)	No
SET		MODE(value)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No
		RELATED(value)	No
		STATECHK(YES, NO)	No
		TARGET(value)	Yes
		USAGE(LOCAL)	Yes
		RESGROUP(value)	Yes
		ADDTOGRP	N/A
		CSDINSTALL	
		CSDCOPY	
		AS_RESOURCE(value)	No
		DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No

*Table 197. PROCDEF FEEDBACK error codes*

Value	Code	Description
1	PROCDEF_INV_DATA	Attribute data invalid
2	PROCDEF_REC_NOT_FOUND	Requested resource not found
4	PROCDEF_REC_EXISTS	Resource already exists
5	PROCDEF_REC_CHANGED	Resource definition already changed
6	PROCDEF_INV_RESTYPE	Invalid resource type
7	PROCDEF_INV_VER	Invalid resource version
11	PROCDEF_NON_MP	Maintenance point CMAS not available
12	PROCDEF_INV_CONTEXT	Context not found
13	PROCDEF_INCONSISTENT_SET	Inconsistent set condition
14	PROCDEF_INV_RESGROUP	Resource group not found
21	PROCDEF_INV_ACTION	Invalid action
22	PROCDEF_INV_RECADDR	Invalid record address
23	PROCDEF_INV_RECLEN	Invalid record length
24	PROCDEF_DIFF_VERSION	Different version
25	PROCDEF_EARLY_NAMELIST_END	Early name list end
26	PROCDEF_INV_NAMELIST	Invalid name list
27	PROCDEF_INV_NAME	Invalid name
28	PROCDEF_INV_MINNAME	Invalid minor name
29	PROCDEF_NOTIFY	Notify
30	PROCDEF_PARTIAL_INSTALL	Partial install
31	PROCDEF_NOTHING_INSTALLED	Nothing installed
32	PROCDEF_NO_TARGETS	No targets
33	PROCDEF_NO_RELATED	No related systems

Table 197. PROCDEF FEEDBACK error codes (continued)

Value	Code	Description
34	PROCDEF_INV_TSCOPE	Invalid target scope
35	PROCDEF_INV_RSCOPE	Invalid related scope
36	PROCDEF_INV_USAGE	Invalid usage
37	PROCDEF_INV_MODE	Invalid mode
38	PROCDEF_INV_STATECHK	Invalid state check
39	PROCDEF_INV_FORCEINS	Invalid force install
40	PROCDEF_INV_NOTIFY	Invalid notify
41	PROCDEF_INV_OVERTYPE	Invalid over type
42	PROCDEF_INV_OVRBLOCK	Invalid override block
43	PROCDEF_INV_ORSTRING	Invalid override string
44	PROCDEF_INV_STRNGTERM	Invalid string terminator
45	PROCDEF_INV_EMBEDTERM	Invalid embedded terminator
46	PROCDEF_INV_ATTRIBUTE	Invalid attribute
47	PROCDEF_INV_LITERAL	Invalid literal
48	PROCDEF_INV_ORSTGNA	Invalid override string
49	PROCDEF_SCOPE_REQUIRED	Scope required
50	PROCDEF_USAGE_CONFLICT	Usage conflict
51	PROCDEF_NODEFS_SELECTED	No definitions selected
52	PROCDEF_MORE_THAN_1_RELSYS	More than one related system
53	PROCDEF_MISSING_RELSYSID	Missing related system identifier
54	PROCDEF_SCOPE_CONFLICT	Scope conflict
55	PROCDEF_INV_CSDGROUP	Invalid CSD group
56	PROCDEF_REC_NOT_REMOVED	Record not removed
57	PROCDEF_INV_RESOURCE	Invalid resource
58	PROCDEF_INV_CICS_RESTYPE	Invalid CICS restype
59	PROCDEF_PARTIAL_ACTION	Partial action
60	PROCDEF_NOTHING_ACTIONED	Nothing actioned
61	PROCDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive
62	PROCDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
63	PROCDEF_CSD_ERROR	CSD access error

Table 198. PROCDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
AUDITLEVEL	CVDAS	CPSM	4	Yes	LIKE	Audit level	OFF			11
AUDITLEVEL Input/output valid values	OFF, FULL, ACTIVITY, PROCESS									
AUDITLOG	CHAR	CPSM	8	No	DIFF	Audit log name				10
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			E640 E650	19
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	21
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification time				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	20
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				13
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	23

Table 198. PROCDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		5
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		18
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				17
FILE	CHAR	CPSM	8	Yes	DIFF	File name				9
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name				7
STATUS	CVDAS	CPSM	4	Yes	LIKE	Enable status	ENABLED			12
STATUS Input/output valid values	ENABLED, DISABLED									
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				14
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				15
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				16

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## PROCTYP Resource Table

A CICS Resource that describes a process type in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is NAME.

The following actions are supported:

**DISABLE**

Disable a process type

**DISCARD**

Discard a process type.

These actions require no unique parameter data.

**External resource name**

CICSProcessType

**Length**

112

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**  
EYUt0101

*Table 199. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM	DISCARD	None	N/A
SET			
	DISABLE	None	N/A
	ENABLE	None	N/A

*Table 200. PROCTYP resource table attributes*

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved			
AUDITLEV	CVDAS	INQ	4	LIKE	Yes	Audit level			4
AUDITLEV Input/output valid values	OFF, FULL, ACTIVITY, PROCESS								
AUDITLOG	CHAR	INQ	8	DIFF	No	Audit log name			3
BASDEFINEVER	BINARY	CPSM	1	AVG	No	BAS resource definition version	0	E640 E650	15
CHANGEAGENT	CVDAS	INQ	4	LIKE	No	Last modification agent		E640 E650	6
CHANGEAGENT Input/output valid values	CSDAPI, CSDBATCH, DREPAPI, DREPBATCH, CREATESPI, NOTAPPLIC								
CHANGEAGREL	CHAR	INQ	4	DIFF	No	Last modification agent release		E640 E650	8
CHANGETIME	DATETIME	INQ	8	MAX	No	Last modification time		E640 E650	9
CHANGEUSRID	CHAR	INQ	8	DIFF	No	Last modification user ID		E640 E650	7
DEFINESOURCE	CHAR	INQ	8	DIFF	No	Source of the resource definition		E640 E650	10
DEFINETIME	DATETIME	INQ	8	MAX	No	Creation time		E640 E650	11
ENASTAT	CVDAS	INQ	4	LIKE	Yes	Enable status			5
ENASTAT Input/output valid values	ENABLED, DISABLED								
FILE	CHAR	INQ	8	DIFF	No	File name			2
INSTALLAGENT	CVDAS	INQ	4	LIKE	No	Installation agent		E640 E650	14
INSTALLAGENT Input/output valid values	CSDAPI, CREATESPI, GRPLIST								
INSTALLTIME	DATETIME	INQ	8	MAX	No	Installation time		E640 E650	13
INSTALLUSRID	CHAR	INQ	8	DIFF	No	Installation user ID		E640 E650	12
<b>NAME-1</b>	CHAR	INQ	8	DIFF	No	BTS process type			1

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.



## PROFDEF Resource Table

A CICS Definition that describes a profile, which controls the interactions between transactions and terminals or logical units.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

The following actions are supported:

### INSTALL

Install a Profile Definition.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

### External resource name

CICSDefinitionProfile

### Length

224

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

### API view

No

### CMAS context

No

### SCOPE applies

No

### Only query CMASs in workload

No

### Object type

CICS Definition

### Copybook identifier

EYUt3808

Table 201. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No
		CSDGROUP(value)	No
		RESGROUP(value)	No
CREATE		CSD	No
		RESGROUP(value)	No
UPDATE		CSD	No
REMOVE		CSD	No
PERFORM	INSTALL	FORCEINS(YES, NO)	No
SET		MODE(value)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No
		RELATED(value)	No

Table 201. Valid CPSM operations (continued)

Operations	Actions	Parameters	Required
		STATECHK(YES, NO)	No
		TARGET(value)	Yes
		USAGE(LOCAL)	Yes
	ADDTGRP	RESGROUP(value)	Yes
	CSDINSTALL	None	N/A
	CSDCOPY	AS_RESOURCE(value)	No
		DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No

Table 202. PROFDEF FEEDBACK error codes

Value	Code	Description
1	PROFDEF_INV_DATA	Attribute data invalid
2	PROFDEF_REC_NOT_FOUND	Requested resource not found
4	PROFDEF_REC_EXISTS	Resource already exists
5	PROFDEF_REC_CHANGED	Resource definition already changed
6	PROFDEF_INV_RESTYPE	Invalid resource type
7	PROFDEF_INV_VER	Invalid resource version
11	PROFDEF_NON_MP	Maintenance point CMAS not available
12	PROFDEF_INV_CONTEXT	Context not found
13	PROFDEF_INCONSISTENT_SET	Inconsistent set condition
14	PROFDEF_INV_RESGROUP	Resource group not found
21	PROFDEF_INV_ACTION	Invalid action
22	PROFDEF_INV_RECADDR	Invalid record address
23	PROFDEF_INV_RECLN	Invalid record length
24	PROFDEF_DIFF_VERSION	Different version
25	PROFDEF_EARLY_NAMELIST_END	Early name list end
26	PROFDEF_INV_NAMELIST	Invalid name list
27	PROFDEF_INV_NAME	Invalid name
28	PROFDEF_INV_MINNAME	Invalid minor name
29	PROFDEF_NOTIFY	Notify
30	PROFDEF_PARTIAL_INSTALL	Partial install
31	PROFDEF_NO_THING_INSTALLED	Nothing installed
32	PROFDEF_NO_TARGETS	No targets
33	PROFDEF_NO_RELATED	No related systems
34	PROFDEF_INV_TSCOPE	Invalid target scope
35	PROFDEF_INV_RSCOPE	Invalid related scope
36	PROFDEF_INV_USAGE	Invalid usage
37	PROFDEF_INV_MODE	Invalid mode
38	PROFDEF_INV_STATECHK	Invalid state check
39	PROFDEF_INV_FORCEINS	Invalid force install
40	PROFDEF_INV_NOTIFY	Invalid notify
41	PROFDEF_INV_OVERTYPE	Invalid over type
42	PROFDEF_INV_OVRBLOCK	Invalid override block
43	PROFDEF_INV_ORSTRING	Invalid override string
44	PROFDEF_INV_STRNGTERM	Invalid string terminator
45	PROFDEF_INV_EMBEDTERM	Invalid embedded terminator
46	PROFDEF_INV_ATTRIBUTE	Invalid attribute
47	PROFDEF_INV_LITERAL	Invalid literal
48	PROFDEF_INV_ORSTGNA	Invalid override string
49	PROFDEF_SCOPE_REQUIRED	Scope required
50	PROFDEF_USAGE_CONFLICT	Usage conflict

Table 202. PROFDEF FEEDBACK error codes (continued)

Value	Code	Description
51	PROFDEF_NODEFS_SELECTED	No definitions selected
52	PROFDEF_MORE_THAN_1_RELSYS	More than one related system
53	PROFDEF_MISSING_RELSYSID	Missing related system identifier
54	PROFDEF_SCOPE_CONFLICT	Scope conflict
55	PROFDEF_INV_CSDGROUP	Invalid CSD group
56	PROFDEF_REC_NOT_REMOVED	Record not removed
57	PROFDEF_INV_RESOURCE	Invalid resource
58	PROFDEF_INV_CICS_RESTYPE	Invalid CICS restype
59	PROFDEF_PARTIAL_ACTION	Partial action
60	PROFDEF_NOTHING_ACTIONED	Nothing actioned
61	PROFDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive
62	PROFDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
63	PROFDEF_CSD_ERROR	CSD access error

Table 203. PROFDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
CHAINCONTROL	EYUDA	CPSM	4	Yes	LIKE	Outbound chaining control	NO			8
CHAINCONTROL Input/output valid values	YES, NO									
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			E640 E650	31
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	33
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification time				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	32
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				24
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	35
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		5
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		30
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				28
DVSUPRT	EYUDA	CPSM	4	Yes	LIKE	Supported devices	ALL			9
DVSUPRT Input/output valid values	ALL, NONVTAM, VTAM									
FACILITYLIKE	CHAR	CPSM	4	No	DIFF	Facility model				29
INBFMH	EYUDA	CPSM	4	Yes	LIKE	Pass function management header (FMH) to application	NO			10
INBFMH Input/output valid values	NO, ALL, DIP, EODS									
JOURNAL	CHAR	CPSM	4	No	DIFF	Journal identifier	NO	1-99		23
JOURNAL Input/output valid values	NO									
LOGREC	EYUDA	CPSM	4	Yes	LIKE	Receive requires logical record	NO			11

Table 203. PROFDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
LOGREC Input/output valid values	YES, NO									
MODENAME	CHAR	CPSM	8	No	DIFF	Mode name				12
MSGINTEG	EYUDA	CPSM	4	Yes	LIKE	Message response requested	NO			13
MSGINTEG Input/output valid values	YES, NO									
MSGJRNL	EYUDA	CPSM	4	Yes	LIKE	Messages to be journaled	NO			14
MSGJRNL Input/output valid values	NO, INPUT, OUTPUT, INOUT									
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name				7
NEPCCLASS	CHAR	CPSM	4	No	DIFF	Node error program transaction class	0	0-255		21
ONEWTE	EYUDA	CPSM	4	Yes	LIKE	One write operation	NO			15
ONEWTE Input/output valid values	YES, NO									
PRINTERCOMP	EYUDA	CPSM	4	Yes	LIKE	Printer compatability option	NO			17
PRINTERCOMP Input/output valid values	YES, NO									
PROTECT	EYUDA	CPSM	4	Yes	LIKE	Output message recovery	N_A		E510+	16
PROTECT Input/output valid values	YES, NO, N_A									
RAQ	EYUDA	CPSM	4	Yes	LIKE	Read ahead queueing option	NO			18
RAQ Input/output valid values	YES, NO									
RTIMOUT	CHAR	CPSM	8	No	DIFF	Read time-out value	NO	1-7000		22
RTIMOUT Input/output valid values	NO									
SCRNSIZE	CVDAS	CPSM	4	Yes	LIKE	Screen size	DEFAULT			20
SCRNSIZE Input/output valid values	DEFAULT, ALTERNATE									
UCTRAN	EYUDA	CPSM	4	Yes	LIKE	Upper case translation	NO			19
UCTRAN Input/output valid values	YES, NO									
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				25
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				26
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				27

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## PROFILE Resource Table

A CICS Resource that identifies a profile in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is PROFILE.

The following action is supported:

### DISCARD

Remove the installed profile.

The DISCARD action requires no unique parameter data.

### External resource name

CICSProfile

### Length

88

**Usage** API or WUI or CICS Management Client Interface

### API view

Yes

### CMAS context

No

### SCOPE applies

Yes

### Only query CMASs in workload

No

### Object type

CICS Resource

### Copybook identifier

EYUt0053

Table 204. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET			

Table 205. PROFILE resource table attributes

Name	Datatype	Source	Len	Sum	Description	Default	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved			
BASDEFINEVER	BINARY	CPSM	1	AVG	BAS resource definition version	0	E640 E650	11
CHANGEAGENT	CVDAS	INQ	4	LIKE	Last modification agent		E640 E650	2
CHANGEAGENT Input/output valid values	CSDAPI, CSDBATCH, DREPAPI, DREPBATCH, SYSTEM, CREATESPI, NOTAPPLIC							
CHANGEAGREL	CHAR	INQ	4	DIFF	Last modification agent release		E640 E650	4

Table 205. PROFILE resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Default	Get Invalid	Attr ID
CHANGETIME	DATETIME	INQ	8	MAX	Last modification time		E640 E650	5
CHANGEUSRID	CHAR	INQ	8	DIFF	Last modification user ID		E640 E650	3
DEFINESOURCE	CHAR	INQ	8	DIFF	Source of the resource definition		E640 E650	6
DEFINETIME	DATETIME	INQ	8	MAX	Creation time		E640 E650	7
INSTALLAGENT	CVDAS	INQ	4	LIKE	Installation agent		E640 E650	10
INSTALLAGENT Input/output valid values	CSDAPI, CREATESPI, GRPLIST							
INSTALLTIME	DATETIME	INQ	8	MAX	Installation time		E640 E650	9
INSTALLUSRID	CHAR	INQ	8	DIFF	Installation user ID		E640 E650	8
<b>PROFILE-1</b>	CHAR	INQ	8	DIFF	Profile name			1

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## PROGDEF Resource Table

A CICS Definition that describes the control information for a program stored in the program library.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

The following actions are supported:

**INSTALL**

Install a Program Definition.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

**External resource name**

CICSDefinitionProgram

**Length**

504

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

Only query CMASs in workload

No

Object type

CICS Definition

Copybook identifier

EYUt3809

Table 206. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No
		CSDGROUP(value)	No
		RESGROUP(value)	No
CREATE		CSD	No
		RESGROUP(value)	No
UPDATE		CSD	No
REMOVE		CSD	No
PERFORM	INSTALL	FORCEINS(YES, NO)	No
SET		MODE(DYNAM, STAT)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No
		RELATED(value)	No
		STATECHK(YES, NO)	No
		TARGET(value)	Yes
		USAGE(LOCAL, REMOTE)	Yes
	ADDTGRP	RESGROUP(value)	Yes
	CSDINSTALL	None	N/A
	CSDCOPY	AS_RESOURCE(value)	No
		DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No

Table 207. PROGDEF FEEDBACK error codes

Value	Code	Description
1	PROGDEF_INV_DATA	Attribute data invalid
2	PROGDEF_REC_NOT_FOUND	Requested resource not found
4	PROGDEF_REC_EXISTS	Resource already exists
5	PROGDEF_REC_CHANGED	Resource definition already changed
6	PROGDEF_INV_RESTYPE	Invalid resource type
7	PROGDEF_INV_VER	Invalid resource version
11	PROGDEF_NON_MP	Maintenance point CMAS not available
12	PROGDEF_INV_CONTEXT	Context not found
13	PROGDEF_INCONSISTENT_SET	Inconsistent set condition
14	PROGDEF_INV_RESGROUP	Resource group not found
21	PROGDEF_INV_ACTION	Invalid action
22	PROGDEF_INV_RECADDR	Invalid record address
23	PROGDEF_INV_RECLEN	Invalid record length
24	PROGDEF_DIFF_VERSION	Different version
25	PROGDEF_EARLY_NAMELIST_END	Early name list end
26	PROGDEF_INV_NAMELIST	Invalid name list
27	PROGDEF_INV_NAME	Invalid name
28	PROGDEF_INV_MINNAME	Invalid minor name

Table 207. PROGDEF FEEDBACK error codes (continued)

Value	Code	Description
29	PROGDEF_NOTIFY	Notify
30	PROGDEF_PARTIAL_INSTALL	Partial install
31	PROGDEF_NOTHING_INSTALLED	Nothing installed
32	PROGDEF_NO_TARGETS	No targets
33	PROGDEF_NO_RELATED	No related systems
34	PROGDEF_INV_TSCOPE	Invalid target scope
35	PROGDEF_INV_RSCOPE	Invalid related scope
36	PROGDEF_INV_USAGE	Invalid usage
37	PROGDEF_INV_MODE	Invalid mode
38	PROGDEF_INV_STATECHK	Invalid state check
39	PROGDEF_INV_FORCEINS	Invalid force install
40	PROGDEF_INV_NOTIFY	Invalid notify
41	PROGDEF_INV_OVERTYPE	Invalid overtype
42	PROGDEF_INV_OVRBLOCK	Invalid override block
43	PROGDEF_INV_ORSTRING	Invalid override string
44	PROGDEF_INV_STRNGTERM	Invalid string term
45	PROGDEF_INV_EMBEDTERM	Invalid embedded terminator
46	PROGDEF_INV_ATTRIBUTE	Invalid attribute
47	PROGDEF_INV_LITERAL	Invalid literal
48	PROGDEF_INV_ORSTGNA	Invalid override string
49	PROGDEF_SCOPE_REQUIRED	Scope required
50	PROGDEF_USAGE_CONFLICT	Usage conflict
51	PROGDEF_NODEFS_SELECTED	No definitions selected
52	PROGDEF_MORE_THAN_1_RELSYS	More than one related system
53	PROGDEF_MISSING_RELSYSID	Missing related system identifier
54	PROGDEF_SCOPE_CONFLICT	Scope conflict
55	PROGDEF_INV_CSDGROUP	Invalid CSD group
56	PROGDEF_REC_NOT_REMOVED	Record not removed
57	PROGDEF_INV_RESOURCE	Invalid resource
58	PROGDEF_INV_CICS_RESTYPE	Invalid CICS restype
59	PROGDEF_PARTIAL_ACTION	Partial action
60	PROGDEF_NOTHING_ACTIONED	Nothing actioned
61	PROGDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive
62	PROGDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
63	PROGDEF_CSD_ERROR	CSD access error
64	PROGDEF_JVM_CONFLICT	JVMSERVER conflicts with JVMPROFILE
65	PROGDEF_JVM_MISSING	Either JVMSERVER or JVMPROFILE is required

Table 208. PROGDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
API	EYUDA	CPSM	4	Yes	LIKE	Application program interfaces	CICSAPI			36
API Input/output valid values	CICSAPI, OPENAPI									
CEDF	EYUDA	CPSM	4	Yes	LIKE	Display execution diagnostic facility (EDF) screens	YES			8
CEDF Input/output valid values	YES, NO									



Table 208. PROGDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			E640 E650	38
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	40
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	39
CONCURRENCY	EYUDA	CPSM	4	Yes	LIKE	Concurrency status	QUASIRENT			30
CONCURRENCY Input/output valid values	N_A, QUASIRENT, THREADSAFE, REQUIRED									
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				23
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	42
DATALOCATION	CVDAS	CPSM	4	Yes	LIKE	Data location	BELOW			9
DATALOCATION Input/output valid values	BELOW, ANY									
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		5
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		37
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				27
DYNAMIC	EYUDA	CPSM	4	Yes	LIKE	Dynamic routing status	NO			29
DYNAMIC Input/output valid values	YES, NO									
EXECKEY	CVDAS	CPSM	4	Yes	LIKE	Program execution key	USER			10
EXECKEY Input/output valid values	USER, CICS									
EXECUTIONSET	CVDAS	CPSM	4	Yes	LIKE	API subset restriction type	FULLAPI			11
EXECUTIONSET Input/output valid values	FULLAPI, DPLSUBSET									
HOTPOOL	EYUDA	CPSM	4	Yes	LIKE	Hot pooling status	NO		E640+	34
HOTPOOL Input/output valid values	YES, NO									
JVM	EYUDA	CPSM	4	Yes	LIKE	Java virtual machine (JVM) mode	NO			31
JVM Input/output valid values	YES, NO, DEBUG									
JVMCLASS	CHAR	CPSM	255	No	DIFF	Java virtual machine (JVM) class				32
JVMPROFILE	CHAR	CPSM	8	No	DIFF	Java virtual machine (JVM) profile			E680+	35
JVMSERVER	CHAR	CPSM	8	No	DIFF	Java virtual machine (JVM) server			E640 E650 E660	43
LANGUAGE	EYUDA	CPSM	4	Yes	LIKE	Language	N_A			12
LANGUAGE Input/output valid values	ASSEMBLER, C, COBOL, LE370, LEVSE, PLI, RPG, N_A									
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name				7
RELOAD	EYUDA	CPSM	4	Yes	LIKE	Reload new copy	NO			13

Table 208. PROGDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
RELOAD Input/output valid values	YES, NO									
REMOTENAME	CHAR	CPSM	8	No	DIFF	Program name in remote system				18
REMOTESYSTEM	CHAR	CPSM	4	No	DIFF	Remote system name				19
RESIDENT	EYUDA	CPSM	4	Yes	LIKE	Residence status	NO			17
RESIDENT Input/output valid values	YES, NO									
RSL	CHAR	CPSM	8	No	DIFF	Resource security value	0	0-24	E330+	22
RSL Input/output valid values	PUBLIC									
STATUS	CVDAS	CPSM	4	Yes	LIKE	Enabled status	ENABLED			14
STATUS Input/output valid values	ENABLED, DISABLED									
TRANSID	CHAR	CPSM	4	No	DIFF	Mirror transaction name for remote attach				20
USAGE	EYUDA	CPSM	4	Yes	LIKE	Program storage release	NORMAL			16
USAGE Input/output valid values	NORMAL, TRANSIENT									
USELPACOPY	EYUDA	CPSM	4	Yes	LIKE	Use program from the link pack area (LPA)	NO			15
USELPACOPY Input/output valid values	YES, NO									
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				24
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				25
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				26

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## PROGRAM Resource Table

A CICS Resource that describes a program in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is PROGRAM.

The following actions are supported:

#### DISABLE

Disable the program.

#### DISCARD

Remove the installed program.

#### ENABLE

Enable the program.

#### NEWCOPY

Load a new copy of the program.

CICS loads the new version from the DFHRPL or dynamic LIBRARY concatenation, or uses an LPA resident version, depending on the PRIVATE or SHARED options. PRIVATE is the default setting.

#### PHASEIN

CICS will use a new copy of the program for all new transaction requests. CICS continues to use the old copy for all currently running transactions until they have finished, and have a RESCOUNT value of zero. CICS loads the new version from the DFHRPL or dynamic LIBRARY concatenation, or uses an LPA resident version, depending on the PRIVATE or SHARED options. PRIVATE is the default setting.

These actions require no unique parameter data.

#### Note:

1. The PLATFORM, APPLICATION, APPLMAJORVER, APPLMINORVER, and APPLMICROVER parameters are all required when the GET operation is in the context of an application that is deployed on a platform.
2. The CVDA value returned by CICS for the attribute APIST(CICSAPI) conflicts with an existing CVDA value. In order to retain the attribute's uniqueness, CICSplex SM adds 8000 to the value returned by CICS. For more information about translating CVDA values, see TRANSLATE command in Reference -> System programming.

#### External resource name

CICSProgram

#### Length

800

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

#### API view

Yes

#### CMAS context

No

#### SCOPE applies

Yes

#### Only query CMASs in workload

No

#### Object type

CICS Resource

#### Copybook identifier

EYUt0017

Table 209. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		APPLICATION(value)	No
		APPLMAJORVER(value)	No
		APPLMICROVER(value)	No
		APPLMINORVER(value)	No
		PLATFORM(value)	No
SET	DISABLE	None	N/A
PERFORM		None	N/A
SET			

Table 209. Valid CPSM operations (continued)

Operations	Actions	Parameters	Required
	DISCARD	None	N/A
	ENABLE	None	N/A
	NEWCOPY	None	N/A
	PHASEIN	None	N/A
	RELEASE	None	N/A

Table 210. PROGRAM FEEDBACK error codes

Value	Code	Description
1	PROGRAM_INCOMP_APPLCON	Incomplete application qualifier

Table 211. PROGRAM resource table attributes

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Set Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name				
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release				
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved				
ALOADTIME	INT16US	CPSM	4	AVG	No	Average load time				37
APIST	CVDAS	INQ	4	LIKE	No	API status				45
APIST Output valid values	CICSAPI, OPENAPI									
APPLICATION	CHAR	INQ	64	DIFF	No	Application Name		E640 E650 E660 E670		60
APPLMAJORVER	BINARY	INQ	4	MAX	No	Major Version		E640 E650 E660 E670		63
APPLMICROVER	BINARY	INQ	4	MAX	No	Micro Version		E640 E650 E660 E670		65
APPLMINORVER	BINARY	INQ	4	MAX	No	Minor Version		E640 E650 E660 E670		64
BASDEFINEVER	BINARY	CPSM	1	AVG	No	BAS resource definition version	0	E640 E650		57
CEDFSTATUS	CVDAS	INQ	4	LIKE	Yes	CEDF status				14
CEDFSTATUS Input/output valid values	CEDE, NOCEDF									
CEDFSTATUS Output valid values	NOTAPPLIC									
CHANGEAGENT	CVDAS	INQ	4	LIKE	No	Last modification agent		E640 E650		49
CHANGEAGENT Input/output valid values	CSDAPI, CSDBATCH, DREPAPI, DREPBATCH, SYSTEM, AUTOINSTALL, CREATESPI, NOTAPPLIC									
CHANGEAGREL	CHAR	INQ	4	DIFF	No	Last modification agent release		E640 E650		50
CHANGETIME	DATETIME	INQ	8	MAX	No	Last modification time		E640 E650		52
CHANGEUSRID	CHAR	INQ	8	DIFF	No	Last modification user ID		E640 E650		48
COBOLTYPE	CVDAS	INQ	4	LIKE	No	COBOL type				23

Table 211. PROGRAM resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Set Invalid	Attr ID
COBOLTYPE Output valid values	COBOL, COBOLII, NOTINIT, NOTAPPLIC									
CONCURRENCY	CVDAS	INQ	4	LIKE	No	Concurrency option				30
CONCURRENCY Output valid values	THREADSAFE, QUASIRENT, REQUIRED									
COPY	CVDAS	INQ	4	LIKE	Yes	Newcopy required status				28
COPY Input valid values	NEWCOPY, PHASEIN									
COPY Output valid values	REQUIRED, NOTREQUIRED									
CURRENTLOC	EYUDA	STAT	4	LIKE	No	CICS DSA in which current copy is located				27
CURRENTLOC Output valid values	NOCOPY, DSA, CDSA, UDSA, LPA, EDSA, ECDSA, EUDSA, ERDSA, ELPA, ESDSA, RDSA, SDSA									
DATALOCATION	CVDAS	INQ	4	LIKE	No	Data location				16
DATALOCATION Output valid values	BELOW, ANY, NOTAPPLIC									
DEFINESOURCE	CHAR	INQ	8	DIFF	No	Source of the resource definition		E640 E650		53
DEFINETIME	DATETIME	INQ	8	MAX	No	Creation time		E640 E650		54
DYNAMSTATUS	CVDAS	INQ	4	LIKE	No	Dynamic routing type				29
DYNAMSTATUS Output valid values	DYNAMIC, NOTDYNAMIC									
ENTRYPOINT	ADDRESS	INQ	4	MAX	No	Program entry point				21
EXECKEY	CVDAS	INQ	4	LIKE	No	Program execution key				19
EXECKEY Output valid values	CICSEXECKEY, USEREXECKEY, NOTAPPLIC									
EXECUTIONSET	CVDAS	INQ	4	LIKE	Yes	API subset restriction type				20
EXECUTIONSET Input/output valid values	DPLSUBSET, FULLAPI									
EXECUTIONSET Output valid values	NOTAPPLIC									
FETCHCNT	BINARY	STAT	4	AVG	No	Number of times program loaded into storage				7
FETCHTIME	INT16US	STAT	4	MAX	No	Total time for all program fetches				17
HOLDSTATUS	CVDAS	INQ	4	LIKE	No	Hold status				9
HOLDSTATUS Output valid values	HOLD, NOHOLD, NOTAPPLIC									
HOTPOOLING	CVDAS	INQ	4	LIKE	Yes	Hot pooling status		E640+	E640+	35
HOTPOOLING Input/output valid values	HOTPOOL, NOTHOTPOOL									
HOTPOOLING Output valid values	NOTAPPLIC									
INSTALLAGENT	CVDAS	INQ	4	LIKE	No	Installation agent		E640 E650		51
INSTALLAGENT Input/output valid values	CSDAPI, CREATSPI, SYSTEM, AUTOINSTALL, GRPLIST, BUNDLE									
INSTALLTIME	DATETIME	INQ	8	MAX	No	Installation time		E640 E650		56
INSTALLUSRID	CHAR	INQ	8	DIFF	No	Installation user ID		E640 E650		55

Table 211. PROGRAM resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Set Invalid	Attr ID
JVMCLASS	CHAR	INQ	255	DIFF	Yes	Java virtual machine class				33
JVMDEBUG	CVDAS	INQ	4	LIKE	Yes	Java virtual machine (JVM) debug status		E610+		32
JVMDEBUG Input/output valid values	DEBUG, NODEBUG									
JVMPROFILE	CHAR	INQ	8	DIFF	Yes	Java virtual machine (JVM) profile name	DFHJVMPR	E680+		36
JVMSERVER	CHAR	INQ	8	DIFF	No	Java virtual machine (JVM) server		E640 E650 E660		58
LANGUAGE	CVDAS	INQ	4	LIKE	No	Language				2
LANGUAGE Output valid values	COBOL, C, LE370, PLIPL1, ASSEMBLER, NOTDEFINED, NOTAPPLIC, LEVSE, JAVA									
LENGTH	CNUMERIC	INQ	4	MAX	No	Program length				11
LIBRARY	CHAR	INQ	8	DIFF	No	LIBRARY name		E640		46
LIBRARYDSN	CHAR	INQ	44	DIFF	No	Load data set name		E640		47
LOADPOINT	ADDRESS	INQ	4	MAX	No	Program load point				22
LPASTAT	CVDAS	INQ	4	LIKE	No	Link pack area (LPA) status				13
LPASTAT Output valid values	LPA, NOTLPA, NOTAPPLIC, SVA, NOTSVA									
NEWCOPYCNT	BINARY	STAT	4	AVG	No	Number of NEWCOPY requests issued				3
OPERATION	CHAR	INQ	64	DIFF	Yes	Operation Name		E640 E650 E660 E670		62
PGRJUSECOUNT	BINARY	STAT	4	AVG	No	Number of times JVM program used since last reset				44
PLATFORM	CHAR	INQ	64	DIFF	No	Platform Name		E640 E650 E660 E670		61
<b>PROGRAM-1</b>	CHAR	INQ	8	DIFF	No	Program name				1
PROGTYPE	CVDAS	INQ	4	LIKE	No	Program type				15
PROGTYPE Output valid values	PROGRAM, MAP, PARTITIONSET									
REMOTENAME	CHAR	INQ	8	DIFF	No	Program name in remote system				24
REMOTESYSTEM	CHAR	INQ	4	DIFF	No	Remote system name				25
REMOVECNT	BINARY	STAT	4	AVG	No	Number of times removed by program compression				18
RESCOUNT	CNUMERIC	INQ	4	SUM	No	Number of times program currently accessed				6
RESIDENCY	CVDAS	INQ	4	MAX	No	Program residency		E640 E650 E660 E670 E680		66
RESIDENCY Output valid values	RESIDENT, NONRESIDENT									
RLOADING	RATE3	CPSM	8	AVG	No	Rate of program loading				39
RPLID	BINARY	STAT	4	AVG	No	Data set offset number				12
RREMOVAL	RATE3	CPSM	8	AVG	No	Rate of program removal				40

Table 211. PROGRAM resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Set Invalid	Attr ID
RUNTIME	CVDAS	INQ	4	LIKE	Yes	Runtime environment information				31
RUNTIME Input/output valid values	JVM									
RUNTIME Input valid values	NOJVM									
RUNTIME Output valid values	UNKNOWN, LE370, NONLE370, NOTAPPLIC, XPLINK									
RUSE	RATE3	CPSM	8	AVG	No	Rate of program use				41
SHARESTATUS	CVDAS	INQ	4	LIKE	Yes	Share status				10
SHARESTATUS Input/output valid values	PRIVATE, SHARED									
SHARESTATUS Output valid values	NOTAPPLIC									
STATUS	CVDAS	INQ	4	LIKE	Yes	Enabled status				8
STATUS Input/output valid values	ENABLED, DISABLED									
TRANSID	CHAR	INQ	4	DIFF	No	Mirror transaction name for remote attach				26
USEAGELSTAT	BINARY	STAT	4	AVG	No	Number of times program was used since last reset				5
USECOUNT	CNUMERIC	INQ	4	SUM	No	Total number of times program was executed				4
USEFETCH	AVERAGE3	CPSM	8	AVG	No	Average number of program uses per fetch				38

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## PROINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a profile definition (PROFDEF) in a resource group (RESGROUP). A PROFDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is PROFGROUP.

The **Secondary** key field for this resource class is PROFNAME.

The **Tertiary** key field for this resource class is PROFVER.

There are no object specific actions for this resource class.

**External resource name**

**Length**

56

**Usage** API or Batch Utility or WUI

**API view**

No

**CMAS context**  
No

**SCOPE applies**  
No

**Only query CMASs in workload**  
No

**Object type**  
CICSplex SM Definition

**Copybook identifier**  
EYUt6153

Table 212. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

Table 213. PROINGRP FEEDBACK error codes

Value	Code	Description
1	PROINGRP_INV_DATA	Attribute data invalid
2	PROINGRP_REC_NOT_FOUND	Requested resource not found
4	PROINGRP_REC_EXISTS	Resource already exists
6	PROINGRP_INV_RESTYPE	Invalid resource type
7	PROINGRP_INV_VER	Invalid resource version
11	PROINGRP_NON_MP	Maintenance point CMAS not available
12	PROINGRP_INV_CONTEXT	Context not found
21	PROINGRP_INCONSISTENT_SET	Inconsistent set
22	PROINGRP_DIFF_VERSION	Different version
23	PROINGRP_INV_NAME	Invalid name
24	PROINGRP_INV_MINNAME	Invalid minor name

Table 214. PROINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>PROFGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name	5
<b>PROFNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	Profile definition name	6
<b>PROFVER-3</b>	BINARY	CPSM	1	Yes	AVG	Profile definition version	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.



## PRTNDEF Resource Table

A CICS Definition that describes a partition set, or display partition configuration.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

The following actions are supported:

### INSTALL

Install a Partition Set Definition.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

### External resource name

CICSDefinitionPartitionSet

### Length

168

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

### API view

No

### CMAS context

No

### SCOPE applies

No

### Only query CMASs in workload

No

### Object type

CICS Definition

### Copybook identifier

EYUt3807

Table 215. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No
		CSDGROUP(value)	No
		RESGROUP(value)	No
CREATE		CSD	No
		RESGROUP(value)	No
UPDATE		CSD	No
REMOVE		CSD	No
PERFORM	INSTALL	FORCEINS(YES, NO)	No
SET		MODE(value)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No
		RELATED(value)	No
		STATECHK(YES, NO)	No

Table 215. Valid CPSM operations (continued)

Operations	Actions	Parameters	Required
		TARGET(value)	Yes
		USAGE(LOCAL)	Yes
	ADDTGRP	RESGROUP(value)	Yes
	CSDINSTALL	None	N/A
	CSDCOPY	AS_RESOURCE(value)	No
		DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No

Table 216. PRTNDEF FEEDBACK error codes

Value	Code	Description
1	PRTNDEF_INV_DATA	Attribute data invalid
2	PRTNDEF_REC_NOT_FOUND	Requested resource not found
4	PRTNDEF_REC_EXISTS	Resource already exists
5	PRTNDEF_REC_CHANGED	Resource definition already changed
6	PRTNDEF_INV_RESTYPE	Invalid resource type
7	PRTNDEF_INV_VER	Invalid resource version
11	PRTNDEF_NON_MP	Maintenance point CMAS not available
12	PRTNDEF_INV_CONTEXT	Context not found
13	PRTNDEF_INCONSISTENT_SET	Inconsistent set condition
14	PRTNDEF_INV_RESGROUP	Resource group not found
21	PRTNDEF_INV_ACTION	Invalid action
22	PRTNDEF_INV_RECADDR	Invalid record address
23	PRTNDEF_INV_RECLEN	Invalid record length
24	PRTNDEF_DIFF_VERSION	Different version
25	PRTNDEF_EARLY_NAMELIST_END	Early name list end
26	PRTNDEF_INV_NAMELIST	Invalid name list
27	PRTNDEF_INV_NAME	Invalid name
28	PRTNDEF_INV_MINNAME	Invalid minor name
29	PRTNDEF_NOTIFY	Notify
30	PRTNDEF_PARTIAL_INSTALL	Partial install
31	PRTNDEF_NOTHING_INSTALLED	Nothing installed
32	PRTNDEF_NO_TARGETS	No targets
33	PRTNDEF_NO_RELATED	No related systems
34	PRTNDEF_INV_TSCOPE	Invalid target scope
35	PRTNDEF_INV_RSCOPE	Invalid related scope
36	PRTNDEF_INV_USAGE	Invalid usage
37	PRTNDEF_INV_MODE	Invalid mode
38	PRTNDEF_INV_STATECHK	Invalid state check
39	PRTNDEF_INV_FORCEINS	Invalid force install
40	PRTNDEF_INV_NOTIFY	Invalid notify
41	PRTNDEF_INV_OVERTYPE	Invalid overtype
42	PRTNDEF_INV_OVRBLOCK	Invalid override block
43	PRTNDEF_INV_ORSTRING	Invalid override string
44	PRTNDEF_INV_STRNGTERM	Invalid string term
45	PRTNDEF_INV_EMBEDTERM	Invalid embedded terminator
46	PRTNDEF_INV_ATTRIBUTE	Invalid attribute
47	PRTNDEF_INV_LITERAL	Invalid literal
48	PRTNDEF_INV_ORSTGNA	Invalid override string
49	PRTNDEF_SCOPE_REQUIRED	Scope required
50	PRTNDEF_USAGE_CONFLICT	Usage conflict
51	PRTNDEF_NODEFS_SELECTED	No definitions selected

Table 216. PRTNDEF FEEDBACK error codes (continued)

Value	Code	Description
52	PRTNDEF_MORE_THAN_1_RELSYS	More than one related system
53	PRTNDEF_MISSING_RELSYSID	Missing related system identifier
54	PRTNDEF_SCOPE_CONFLICT	Scope conflict
55	PRTNDEF_INV_CSDGROUP	Invalid CSD group
56	PRTNDEF_REC_NOT_REMOVED	Record not removed
57	PRTNDEF_INV_RESOURCE	Invalid resource
58	PRTNDEF_INV_CICS_RESTYPE	Invalid CICS restype
59	PRTNDEF_PARTIAL_ACTION	Partial action
60	PRTNDEF_NOTHING_ACTIONED	Nothing actioned
61	PRTNDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive
62	PRTNDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
63	PRTNDEF_CSD_ERROR	CSD access error

Table 217. PRTNDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			E640 E650	19
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	21
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification time				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	20
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				13
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	23
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		5
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		18
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				17
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name				7
RESIDENT	EYUDA	CPSM	4	Yes	LIKE	Residence status	NO			8
RESIDENT Input/output valid values	YES, NO									
RSL	CHAR	CPSM	8	No	DIFF	Resource security value	0	0-24	E330+	12
RSL Input/output valid values	PUBLIC									
STATUS	CVDAS	CPSM	4	Yes	LIKE	Partition set status	ENABLED			9
STATUS Input/output valid values	ENABLED, DISABLED									
USAGE	EYUDA	CPSM	4	Yes	LIKE	Partition set storage release	NORMAL			10
USAGE Input/output valid values	NORMAL, TRANSIENT									
USELPACOPY	EYUDA	CPSM	4	Yes	LIKE	Use copy of partition set from link pack area (LPA)	NO			11
USELPACOPY Input/output valid values	YES, NO									
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				14

Table 217. PRTNDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				15
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				16

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## RASGNDEF Resource Table

A CPSM Business Application Services Definition that describes how CICS Definitions of a particular resource class are assigned to and installed in a set of CICS systems.

The **Primary** key field for this resource class is RESASSGN.

**External resource name**

CICSResourceAssignmentDefinition

**Length**

1280

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt3520

Table 218. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
UPDATE		None	N/A
REMOVE		None	N/A
PERFORM	ADDTODSC	DESCCODEPAGE(value)	No
SET		DESCRIPTION(value)	No
		RESDESC(value)	Yes
		RESGROUP(value)	No
		RSCOPE(value)	No
		TSCOPE(value)	No

Table 219. RASGNDEF FEEDBACK error codes

Value	Code	Description
1	RASGNDEF_INV_DATA	Attribute data invalid
2	RASGNDEF_REC_NOT_FOUND	Requested resource not found
4	RASGNDEF_REC_EXISTS	Resource already exists
5	RASGNDEF_REC_CHANGED	Resource definition already changed
6	RASGNDEF_INV_RESTYPE	Invalid resource type
11	RASGNDEF_NON_MP	Maintenance point CMAS not available
12	RASGNDEF_INV_CONTEXT	Context not found
13	RASGNDEF_INCONSISTENT_SET	Inconsistent set condition
21	RASGNDEF_INV_RECORD	Invalid record
22	RASGNDEF_INV_ACTION	Invalid action
23	RASGNDEF_INCOMPLETE_DEFSET	Incomplete definition set
24	RASGNDEF_INCONSISTENT_SCOPES	Inconsistent scopes
25	RASGNDEF_RASGNDEF_IN_USE	Resource assignment definition in use
26	RASGNDEF_INV_NAME	Name generic or blanks
27	RASGNDEF_REFASSIGN_NOTFND	Referenced resource assignment not found

Table 220. RASGNDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			20
CHANGEAGENT Input/output valid values	DREPAPI								
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			23
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification			1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			22
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created			21
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999	19
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description			18
FILTER	CHAR	CPSM	800	No	DIFF	Filter string			15
MODE	EYUDA	CPSM	4	Yes	LIKE	Resource usage qualifier	N_A		12
MODE Input/output valid values	AUTO, DYNAM, EXTRA, INTRA, IND, STAT, N_A								
ORSTRING	CHAR	CPSM	320	No	DIFF	Override string			17
OVERRIDE	EYUDA	CPSM	4	Yes	LIKE	Scope that override is applied to	NONE		13
OVERRIDE Input/output valid values	BOTH, RELATED, TARGET, NONE								
RDEFTYPE	CHAR	CPSM	8	Yes	DIFF	Resource type			9
REFASSGN	CHAR	CPSM	8	No	DIFF	Referenced resource assignment name			10
<b>RESASSGN-1</b>	CHAR	CPSM	8	Yes	DIFF	Name			5
RESGROUP	CHAR	CPSM	8	No	DIFF	Resource group			8
RSCOPE	CHAR	CPSM	8	No	DIFF	Related scope			7
TSCOPE	CHAR	CPSM	8	No	DIFF	Target scope			6
USAGE	EYUDA	CPSM	4	Yes	LIKE	Resource usage			11
USAGE Input/output valid values	LOCAL, REMOTE								

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

---

## RASINDSC Resource Table

A CPSM Business Application Services Definition that describes the membership of a resource assignment (RASGNDEF) in a resource description (RESDESC).

The **Primary** key field for this resource class is RESDESC.

The **Secondary** key field for this resource class is RESASSGN.

There are no object specific actions for this resource class.

**External resource name**

CICSResourceAssignmentInDescription

**Length**

144

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt4866

Table 221. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
UPDATE		None	N/A
REMOVE		None	N/A

Table 222. RASINDSC FEEDBACK error codes

Value	Code	Description
1	RASINDSC_INV_DATA	Attribute data invalid
2	RASINDSC_REC_NOT_FOUND	Requested resource not found
4	RASINDSC_REC_EXISTS	Resource already exists
5	RASINDSC_REC_CHANGED	Resource definition already changed
6	RASINDSC_INV_RESTYPE	Invalid resource type
11	RASINDSC_NON_MP	Maintenance point CMAS not available
12	RASINDSC_INV_CONTEXT	Context not found
13	RASINDSC_INCONSISTENT_SET	Inconsistent set condition

Table 222. RASINDSC FEEDBACK error codes (continued)

Value	Code	Description
21	RASINDSC_INV_RECORD	Invalid record
22	RASINDSC_INV_ACTION	Invalid action
23	RASINDSC_INCOMPLETE_DEFSET	Incomplete definition set
24	RASINDSC_REFASSIGN_NOTFND	Referenced resource assignment not found
25	RASINDSC_INCONSISTENT_SCOPES	Inconsistent scopes
26	RASINDSC_INV_NAME	Invalid name
27	RASINDSC_INV_MINNAME	Invalid minor name

Table 223. RASINDSC resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			12
CHANGEAGENT Input/output valid values	DREPAPI								
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			15
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification			1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			14
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created			13
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999	11
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description			10
<b>RESASSGN-2</b>	CHAR	CPSM	8	Yes	DIFF	Resource assignment (RASGNDEF) name			6
<b>RESDESC-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource description (RESDESC) name			5
RESGROUP	CHAR	CPSM	8	No	DIFF	Resource group name			9
RSCOPE	CHAR	CPSM	8	No	DIFF	Related scope name			8
TSCOPE	CHAR	CPSM	8	No	DIFF	Target scope name			7

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## RASPROC Resource Table

A CPSM Business Application Services Manager object that describes the set of CICS Definitions to be installed in CICS systems for a particular resource assignment (RASGNDEF), if the assignment is associated with a resource description (RESDESC). The CICS systems include all systems named in the target and related scopes (TARGET and RELATED) of the RASGNDEF.

This object is referenced within the scope of a CICSplex and resource assignment. As such, the resource assignment must be explicitly identified in the API GET command PARM option by coding the following text string:

```
PARM('RASGNDEF(resassign).')
```

where resassign = (Required) The name of a resource assignment.

Other parameters can also be specified, but the resource assignment name is required.

The **Primary** key field for this resource class is RESDEF.

The **Secondary** key field for this resource class is RDEFTYPE.

The **Tertiary** key field for this resource class is TSCOPE.

The **Fourth** key field for this resource class is RSCOPE.

The **Fifth** key field for this resource class is REFDEF.

The **Sixth** key field for this resource class is RESASSGN.

There are no object specific actions for this resource class.

**External resource name**

CICSResourceByAssignment

**Length**

88

**Usage** API or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Manager

**Copybook identifier**

EYUt2610

Table 224. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		RASGNDEF(value)	Yes

Table 225. RASPROC FEEDBACK error codes

Value	Code	Description
21	RASPROC_RESASSGN_NOT_FOUND	Resource assignment not found

Table 226. RASPROC resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
ALIAS	CHAR	CPSM	8	DIFF	Alias for remote definition	16
DEFVER	BINARY	CPSM	1	AVG	Resource definition version	12
MODE	EYUDA	CPSM	4	LIKE	Resource usage qualifier	11
MODE Output valid values	AUTO, DYNAM, EXTRA, INTRA, IND, STAT					
<b>RDEFTYPE-2</b>	CHAR	CPSM	8	DIFF	Resource definition type	5



Table 226. RASPROC resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
REFDEF-5	CHAR	CPSM	8	DIFF	Referenced definition name	13
REFTYPE	CHAR	CPSM	8	DIFF	Referenced definition type	15
REFVER	CHAR	CPSM	2	DIFF	Referenced definition version	14
RESASSGN-6	CHAR	CPSM	8	DIFF	Resource assignment name	8
RESDEF-1	CHAR	CPSM	8	DIFF	Resource definition name	4
RESGROUP	CHAR	CPSM	8	DIFF	Resource group name	9
RSCOPE-4	CHAR	CPSM	8	DIFF	Related scope name	7
TSCOPE-3	CHAR	CPSM	8	DIFF	Target scope name	6
USAGE	EYUDA	CPSM	4	LIKE	Resource usage type	10
USAGE Output valid values	LOCAL, REMOTE					

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## RDSCPROC Resource Table

A CPSM Business Application Services Manager object that describes the set of CICS Definitions to be installed in CICS systems for a particular resource description (RESDESC).

This object is referenced within the scope of a CICSplex and resource description. As such, the resource description must be explicitly identified in the API GET command PARM option by coding the following text string:

```
PARM('RESDESC(resdesc).')
```

where resdesc = (Required) The name of a resource description.

Other parameters can also be specified, but the resource description name is required.

The **Primary** key field for this resource class is RESDEF.

The **Secondary** key field for this resource class is RDEFTYPE.

The **Tertiary** key field for this resource class is TSCOPE.

The **Fourth** key field for this resource class is RSCOPE.

The **Fifth** key field for this resource class is REFDEF.

The **Sixth** key field for this resource class is RESDESC.

There are no object specific actions for this resource class.

#### External resource name

CICSResourceByDescription

#### Length

96

**Usage** API or WUI or CICS Management Client Interface

**API view**  
 No  
**CMAS context**  
 No  
**SCOPE applies**  
 No  
**Only query CMASs in workload**  
 No  
**Object type**  
 CICSplex SM Manager  
**Copybook identifier**  
 EYUt2609

Table 227. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		RESDESC(value)	Yes

Table 228. RDSCPROC FEEDBACK error codes

Value	Code	Description
21	RDSCPROC_RESDESC_NOT_FOUND	Resource description not found

Table 229. RDSCPROC resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
ALIAS	CHAR	CPSM	8	DIFF	Alias for remote definition	17
DEFVER	BINARY	CPSM	1	AVG	Resource definition version	13
MODE	EYUDA	CPSM	4	LIKE	Resource usage qualifier	12
MODE Output valid values	AUTO, DYNAM, EXTRA, INTRA, IND, STAT					
<b>RDEFTYPE-2</b>	CHAR	CPSM	8	DIFF	Resource definition type	5
<b>REFDEF-5</b>	CHAR	CPSM	8	DIFF	Referenced definition name	14
REFTYPE	CHAR	CPSM	8	DIFF	Referenced definition type	16
REFVER	CHAR	CPSM	2	DIFF	Referenced definition version	15
RESASSGN	CHAR	CPSM	8	DIFF	Resource assignment name	8
<b>RESDEF-1</b>	CHAR	CPSM	8	DIFF	Resource definition name	4
<b>RESDESC-6</b>	CHAR	CPSM	8	DIFF	Resource description name	10
RESGROUP	CHAR	CPSM	8	DIFF	Resource group name	9
<b>RSCOPE-4</b>	CHAR	CPSM	8	DIFF	Related scope name	7
<b>TSCOPE-3</b>	CHAR	CPSM	8	DIFF	Target scope name	6
USAGE	EYUDA	CPSM	4	LIKE	Resource usage type	11
USAGE Output valid values	LOCAL, REMOTE					

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## RECOVERY Resource Table

A CICS Resource that provides recovery manager information in an active system being managed by CICSplex SM.

The RECOVERY resource class does not provide an explicit key attribute. The set of object instances returned is a function of the scope in effect when the request is made.

There are no object specific actions for this resource class.

**External resource name**

CICSRecoveryManager

**Length**

160

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0124

Table 230. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 231. RECOVERY resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
RMGATSHTI	INTTSTP	STAT	8	AVG	Average time UOWs shunted for indoubt failure	29
RMGATSHTR	INTTSTP	STAT	8	AVG	Average UOW commit/backout failure shunt time	31
RMGCATSHTI	INTTSTP	STAT	8	AVG	Average current UOW shunt time for indoubt failure	30
RMGCATSHTR	INTTSTP	STAT	8	AVG	Average current commit/backout failure shunt time	32
RMGCSHIN	BINARY	STAT	4	AVG	Total UOWs currently shunted for indoubt failure	9
RMGCSHRO	BINARY	STAT	4	AVG	Current UOWs shunted for commit/backout failure	11
RMGCSHTI	INTTSTP	STAT	8	MAX	Time current UOWs shunted for indoubt failure	14
RMGCSHTR	INTTSTP	STAT	8	MAX	Current UOW shunt time for commit/backout failure	16
RMGIAFNW	BINARY	STAT	4	AVG	Total of indoubt actions forced by NOWAIT option	19
RMGIAFOP	BINARY	STAT	4	AVG	Total of indoubt actions forced by operator	20

Table 231. RECOVERY resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
RMGIAFOT	BINARY	STAT	4	AVG	Total of indoubt actions forced by other reasons	21
RMGIAFTI	BINARY	STAT	4	AVG	Total of indoubt actions forced by timeout	18
RMGIAFTR	BINARY	STAT	4	AVG	Total indoubt actions forced by definition	17
RMGIAMIS	BINARY	STAT	4	AVG	Total number of indoubt action mismatches	22
RMGNW61	BINARY	STAT	4	AVG	Total indoubt actions forced by LU61 NOWAIT option	24
RMGNWMRO	BINARY	STAT	4	AVG	Total indoubt actions forced by MRO NOWAIT option	25
RMGNWOTH	BINARY	STAT	4	AVG	Total indoubt actions forced by other NOWAIT	27
RMGNWRMI	BINARY	STAT	4	AVG	Total indoubt actions forced by RMI NOWAIT option	26
RMGNWTD	BINARY	STAT	4	AVG	Total indoubt actions forced by TD NOWAIT option	23
RMGRESYN	BINARY	STAT	4	AVG	Total resynchronization requests issued	7
RMGSYBWD	BINARY	STAT	4	AVG	Number of SYNCPOINT ROLLBACK requests issued	6
RMGSYFWD	BINARY	STAT	4	AVG	Number of SYNCPOINT requests issued	5
RMGTSHIN	BINARY	STAT	4	AVG	Total number of UOWs shunted for indoubt failure	8
RMGTSHRO	BINARY	STAT	4	AVG	Total of UOWs shunted for commit/backout failure	10
RMGTSHTI	INTTSTP	STAT	8	MAX	Total time UOWs shunted for indoubt failure	13
RMGTSHTR	INTTSTP	STAT	8	MAX	Total time UOWs shunted for commit/backout failure	15

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## REMFILE Resource Table

A CICS Resource that describes a remote file in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is FILE.

The following action is supported:

**DISCARD**

Remove the installed Remote File

The DISCARD action requires no unique parameter data.

**External resource name**

CICSRemoteFile

**Length**

136

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0010

*Table 232. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET			

*Table 233. REMFILE resource table attributes*

Name	Datatype	Source	Len	Sum	Description	Default	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved			
ADDCNT	BINARY	STAT	4	AVG	Number of WRITE requests			10
BASDEFINER	BINARY	CPSM	1	AVG	BAS resource definition version	0	E640 E650	21
BROWSECNT	BINARY	STAT	4	AVG	The number of READNEXT and READPREV requests			9
CHANGEAGENT	CVDAS	INQ	4	LIKE	Last modification agent		E640 E650	13
CHANGEAGENT Input/output valid values	CSDAPI, CSEBATCH, DREBAPI, DREBATCH, TABLE, SYSTEM, CREATESPI, NOTAPPLIC							
CHANGEAGREL	CHAR	INQ	4	DIFF	Last modification agent release		E640 E650	14
CHANGETIME	DATETIME	INQ	8	MAX	Last modification time		E640 E650	16
CHANGEUSRID	CHAR	INQ	8	DIFF	Last modification user ID		E640 E650	12
DEFINESOURCE	CHAR	INQ	8	DIFF	Source of the resource definition		E640 E650	17
DEFINETIME	DATETIME	INQ	8	MAX	Creation time		E640 E650	18
ENABLESTATUS	CVDAS	INQ	4	LIKE	Enable status		E330+	4
ENABLESTATUS Output valid values	ENABLED, DISABLED, UNENABLED, DISABLING, NOTAPPLIC							
<b>FILE-1</b>	CHAR	INQ	8	DIFF	File ID			1
GETCNT	BINARY	STAT	4	AVG	Number of READ requests			7
GETUPDCNT	BINARY	STAT	4	AVG	Number of READ UPDATE requests			8
INSTALLAGENT	CVDAS	INQ	4	LIKE	Installation agent		E640 E650	15

Table 233. REMFILE resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Default	Get Invalid	Attr ID
INSTALLAGENT Input/output valid values	CSDAPI, CREATESPI, TABLE, SYSTEM, GRPLIST							
INSTALLTIME	DATETIME	INQ	8	MAX	Installation time		E640 E650	20
INSTALLUSRID	CHAR	INQ	8	DIFF	Installation user ID		E640 E650	19
KEYLENGTH	BINARY	INQ	4	AVG	Key length			5
REMDLNCNT	BINARY	STAT	4	AVG	Number of DELETE requests			6
REMOTENAME	CHAR	INQ	8	DIFF	Remote file name			2
REMOTESYSTEM	CHAR	INQ	4	DIFF	Remote system name			3
UPDATECNT	BINARY	STAT	4	AVG	Number of REWRITE requests			11

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## REMTDQ Resource Table

A CICS Resource that describes a remote transient data queue in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is TDQUEUE.

The following action is supported:

**DISCARD**

Remove the remote transient data queue.

The DISCARD action requires no unique parameter data.

**External resource name**

CICSRemoteTDQueue

**Length**

96

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0029

Table 234. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET			

Table 235. REMTDQ resource table attributes

Name	Datatype	Source	Len	Sum	Description	Default	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved			
BASDEFINEVER	BINARY	CPSM	1	AVG	BAS resource definition version	0	E640 E650	14
CHANGEAGENT	CV DAS	INQ	4	LIKE	Last modification agent		E640 E650	5
CHANGEAGENT Input/output valid values	CSDAPI, CSDBATCH, DREPAPI, DREPBATCH, SYSTEM, CREATSPI, NOTAPPLIC							
CHANGEAGREL	CHAR	INQ	4	DIFF	Last modification agent release		E640 E650	7
CHANGETIME	DATETIME	INQ	8	MAX	Last modification time		E640 E650	8
CHANGEUSRID	CHAR	INQ	8	DIFF	Last modification user ID		E640 E650	6
DEFINESOURCE	CHAR	INQ	8	DIFF	Source of the resource definition		E640 E650	9
DEFINETIME	DATETIME	INQ	8	MAX	Creation time		E640 E650	10
INSTALLAGENT	CV DAS	INQ	4	LIKE	Installation agent		E640 E650	13
INSTALLAGENT Input/output valid values	CSDAPI, CREATSPI, GRPLIST, SYSTEM							
INSTALLTIME	DATETIME	INQ	8	MAX	Installation time		E640 E650	12
INSTALLUSRID	CHAR	INQ	8	DIFF	Installation user ID		E640 E650	11
OUTCNT	BINARY	STAT	4	AVG	Number of I/O requests			4
REMOTENAME	CHAR	INQ	4	DIFF	Remote name			2
REMOTESYSTEM	CHAR	INQ	4	DIFF	Remote system			3
<b>TDQUEUE-1</b>	CHAR	INQ	4	DIFF	Queue ID			1

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## REMTRAN Resource Table

A CICS Resource that describes a remote transaction in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is TRANID.

The following actions are supported:

**DISABLE**

Disable the remote transaction.

**DISCARD**

Remove the remote transaction.

**ENABLE**

Enable the remote transaction.

These actions require no unique parameter data.

**External resource name**

CICSRemoteTransaction

**Length**

368

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0023

Table 236. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM SET	DISABLE	None	N/A
	DISCARD	None	N/A
	ENABLE	None	N/A

Table 237. REMTRAN FEEDBACK error codes

Value	Code	Description
1	REMTRAN_INV_DATA	Attribute data invalid

Table 238. REMTRAN resource table attributes

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved			



Table 238. REMTRAN resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
APPLICATION	CHAR	INQ	64	DIFF	No	Application Name		E640 E650 E660 E670 E680 E690	27
APPLMAJORVER	BINARY	INQ	4	MAX	No	Major Version		E640 E650 E660 E670 E680 E690	30
APPLMICROVER	BINARY	INQ	4	MAX	No	Micro Version		E640 E650 E660 E670 E680 E690	32
APPLMINORVER	BINARY	INQ	4	MAX	No	Minor Version		E640 E650 E660 E670 E680 E690	31
AVAILSTATUS	CVDAS	INQ	4	LIKE	No	Availability status		E640 E650 E660 E670 E680 E690	33
AVAILSTATUS Output valid values	AVAILABLE, UNAVAILABLE, NONE								
BASDEFINEVER	BINARY	CPSM	1	AVG	No	BAS resource definition version	0	E640 E650	25
CHANGEAGENT	CVDAS	INQ	4	LIKE	No	Last modification agent		E640 E650	16
CHANGEAGENT Input/output valid values	CSDAPI, CSDBATCH, DREPAPI, DREPBATCH, SYSTEM, CREATESPI, NOTAPPLIC								
CHANGEAGREL	CHAR	INQ	4	DIFF	No	Last modification agent release		E640 E650	18
CHANGETIME	DATETIME	INQ	8	MAX	No	Last modification time		E640 E650	20
CHANGEUSRID	CHAR	INQ	8	DIFF	No	Last modification user ID		E640 E650	17
DEFINESOURCE	CHAR	INQ	8	DIFF	No	Source of the resource definition		E640 E650	21
DEFINETIME	DATETIME	INQ	8	MAX	No	Creation time		E640 E650	22
INSTALLAGENT	CVDAS	INQ	4	LIKE	No	Installation agent		E640 E650	19
INSTALLAGENT Input/output valid values	CSDAPI, CREATESPI, SYSTEM, GRPLIST, BUNDLE								
INSTALLTIME	DATETIME	INQ	8	MAX	No	Installation time		E640 E650	24
INSTALLUSRID	CHAR	INQ	8	DIFF	No	Installation user ID		E640 E650	23
OPERATION	CHAR	INQ	64	DIFF	No	Operation Name		E640 E650 E660 E670 E680 E690	29

Table 238. REMTRAN resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
PLATFORM	CHAR	INQ	64	DIFF	No	Platform Name		E640 E650 E660 E670 E680 E690	28
PRIORITY	BINARY	INQ	4	AVG	Yes	Transaction priority			9
PROFILE	CHAR	INQ	8	DIFF	No	Profile name			4
PURGEABILITY	CVDAS	INQ	4	LIKE	Yes	Purgeability status			10
PURGEABILITY Input/output valid values	PURGEABLE, NOTPURGEABLE								
REMOTECNT	BINARY	STAT	4	AVG	No	Number of times transaction run remotely			7
REMOTENAME	CHAR	INQ	8	DIFF	No	Remote transaction ID			2
REMOTESYSTEM	CHAR	INQ	4	DIFF	No	Remote system name			3
REMSTARTCNT	CNUMERIC	STAT	4	SUM	No	Number of times transaction started			15
ROUTING	CVDAS	INQ	4	LIKE	No	Routing status			6
ROUTING Output valid values	DYNAMIC, STATIC								
RTIMEOUT	BINARY	INQ	4	AVG	No	Read timeout (seconds)			11
SCRNSIZE	CVDAS	INQ	4	LIKE	No	Screen size			12
SCRNSIZE Output valid values	DEFAULT, ALTERNATE								
STATUS	CVDAS	INQ	4	LIKE	Yes	Enabled status			13
STATUS Input/output valid values	ENABLED, DISABLED								
TRANCLASS	CHAR	INQ	8	DIFF	Yes	Transaction class name			14
<b>TRANID-1</b>	CHAR	INQ	4	DIFF	No	Transaction ID			1
TRPROF	CHAR	INQ	8	DIFF	No	Name of transaction-routing-session profile			5
USECOUNT	BINARY	STAT	4	SUM	No	Number of times transaction has been used			8

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## REQID Resource Table

A CICS Resource that describes an outstanding interval control request in an active CICS system being managed by CICSplex SM .

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is RSEQ.

#### External resource name

CICSIntervalControlRequest

#### Length

80

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**  
Yes

**CMAS context**  
No

**SCOPE applies**  
Yes

**Only query CMASs in workload**  
No

**Object type**  
CICS Resource

**Copybook identifier**  
EYUt0060

Table 239. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	CANCEL	None	N/A
SET			

Table 240. REQID resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
FMHSTATUS	CVDAS	INQ	4	LIKE	Function management headers status	9
FMHSTATUS Output valid values	FMH, NOFMH, NOTAPPLIC					
INTERVAL	DECTIME	INQ	4	MAX	Interval until request expires	10
<b>NAME-1</b>	CHAR	INQ	8	MIN	Request name	1
QUEUE	CHAR	INQ	8	DIFF	QUEUE from START command that created request	8
REQTYPE	CVDAS	INQ	4	LIKE	Type of command that created request	3
REQTYPE Output valid values	START, POST, DELAY					
<b>RSEQ-2</b>	BINARY	CPSM	4	MIN	Sequence number	14
RTERMID	CHAR	INQ	4	DIFF	RTERMID from START command that created request	7
RTRANSID	CHAR	INQ	4	DIFF	RTRANSID from START command that created request	6
TERMID	CHAR	INQ	4	DIFF	TERMID from START command that created request	5
TIME	DECTIME	INQ	4	MAX	Expiration time	11
TRANSID	CHAR	INQ	4	DIFF	TRANSID specified by command creating request	2
USERID	CHAR	INQ	8	DIFF	Associated user ID	4

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## RESDESC Resource Table

A CPSM Business Application Services Definition that describes a set of logically related CICS Definitions. The set of CICS Definitions can be installed in CICS systems that support EXEC CICS CREATE and named as the scope for CICSplex SM requests.

The **Primary** key field for this resource class is RESDESC.

The following actions are supported:

### INSTALL

Install a Resource Description.

### REPLACE

Replace a Resource Description.

The parameter data for these actions is described in “Parameters for installing CICS definitions using BAS” on page 17. For information about the API CREATE parameter, MODEL see “Creating Resource descriptions” on page 13.

### External resource name

CICSResourceDescription

### Length

1120

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

### API view

No

### CMAS context

No

### SCOPE applies

No

### Only query CMASs in workload

No

### Object type

CICSplex SM Definition

### Copybook identifier

EYUt3521

Table 241. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		MODEL(value)	No
UPDATE		None	N/A
REMOVE		None	N/A
PERFORM	INSTALL	FORCEINS(YES, NO)	No
SET		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		STATECHK(YES, NO)	No
	REPLACE	CURRENT(value)	Yes
		FORCEINS(YES, NO)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		STATECHK(YES, NO)	No

Table 242. RESDESC FEEDBACK error codes

Value	Code	Description
1	RESDESC_INV_DATA	Attribute data invalid
2	RESDESC_REC_NOT_FOUND	Requested resource not found
4	RESDESC_REC_EXISTS	Resource already exists
5	RESDESC_REC_CHANGED	Resource definition already changed
6	RESDESC_INV_RESTYPE	Invalid resource type
11	RESDESC_NON_MP	Maintenance point CMAS not available
12	RESDESC_INV_CONTEXT	Context not found
13	RESDESC_INCONSISTENT_SET	Inconsistent set condition
21	RESDESC_INV_RECORD	Invalid record
22	RESDESC_INV_ACTION	Invalid action
23	RESDESC_INV_MODEL	Invalid model
24	RESDESC_INCOMPLETE_DEFSET	Incomplete definition set
25	RESDESC_INCONSISTENT_SCOPES	Inconsistent scopes
26	RESDESC_NOTIFY	Notify
27	RESDESC_INSRDSC_NOTFND	Install resource description not found
28	RESDESC_REPRDSC_NOTFND	Replacement resource description not found
29	RESDESC_PARTIAL_INSTALL	Partial install
30	RESDESC_NOTHING_INSTALLED	Nothing installed
31	RESDESC_NODEFS_SELECTED	No definitions selected
32	RESDESC_NO_TARGETS	No targets
33	RESDESC_INV_INSRDSC	Invalid install resource description name
34	RESDESC_INV_REPRDSC	Invalid replacement resource description name
35	RESDESC_INV_FORCEINS	Invalid force install
36	RESDESC_INV_STATECHK	Invalid state check
37	RESDESC_INV_NOTIFY	Invalid notify
38	RESDESC_INV_NAME	Name generic or blanks

Table 243. RESDESC resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
ATMDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for Atom Service definitions			132
ATMDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for Atom Service definitions			134
ATMDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for Atom Service definitions			133
AUTOINST	EYUDA	CPSM	4	No	LIKE	Autoinstall request type	NO		9
AUTOINST Input/output valid values	NO, YES								
BUNDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for Bundle definitions			135
BUNDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for Bundle definitions			137
BUNDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for Bundle definitions			136
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			127
CHANGEAGENT Input/output valid values	DREPAPI								
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			130

Table 243. RESDESC resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification			1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			129
CONDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for connection definitions			11
CONDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for connection definitions			13
CONDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for connection definitions			12
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created			128
D2CDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for DB2 connection definitions			62
D2CDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for DB2 connection definitions			64
D2CDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for DB2 connection definitions			63
D2EDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for DB2 entry definitions			65
D2EDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for DB2 entry definitions			67
D2EDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for DB2 entry definitions			66
D2TDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for DB2 transaction definitions			68
D2TDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for DB2 transaction definitions			70
D2TDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for DB2 transaction definitions			69
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999	120
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description			10
DOCDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for document template definitions			84
DOCDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for document template definitions			86
DOCDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for document template definitions			85
EJCDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for CorbaServer definitions			105
EJCDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for CorbaServer definitions			107
EJCDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for CorbaServer definitions			106
EJDDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for CICS-deployed JAR file definitions			108
EJDDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for CICS-deployed JAR file definitions			110
EJDDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for CICS-deployed JAR file definitions			109
ENQDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for enqueue model definitions			78
ENQDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for enqueue model definitions			80

Table 243. RESDESC resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
ENQDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for enqueue model definitions			79
FLEDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for file definitions			14
FLEDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for file definitions			16
FLEDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for file definitions			15
FNODEFRG	CHAR	CPSM	8	No	DIFF	Resource group for FEPI node definitions			99
FNODEFRS	CHAR	CPSM	8	No	DIFF	Related scope for FEPI node definitions			101
FNODEFTS	CHAR	CPSM	8	No	DIFF	Target scope for FEPI node definitions			100
FPODEFRG	CHAR	CPSM	8	No	DIFF	Resource group for FEPI pool definitions			93
FPODEFRS	CHAR	CPSM	8	No	DIFF	Related scope for FEPI pool definitions			95
FPODEFTS	CHAR	CPSM	8	No	DIFF	Target scope for FEPI pool definitions			94
FPRDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for FEPI property set definitions			102
FPRDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for FEPI property set definitions			104
FPRDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for FEPI property set definitions			103
FSGDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for file key segment definitions			71
FSGDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for file key segment definitions			73
FSGDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for file key segment definitions			72
FTRDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for FEPI target definitions			96
FTRDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for FEPI target definitions			98
FTRDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for FEPI target definitions			97
IPCDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for IPIC connection definitions			121
IPCDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for IPIC connection definitions			123
IPCDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for IPIC connection definitions			122
JMSDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for JVM server definitions			141
JMSDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for JVM Sever definitions			143
JMSDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for JVM server definitions			142
JRLDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for journal definitions			17
JRLDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for journal definitions			19
JRLDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for journal definitions			18
JRMDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for journal model definitions			20

Table 243. RESDESC resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
JRMDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for journal model definitions			22
JRMDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for journal model definitions			21
LIBDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for LIBRARY definitions			124
LIBDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for LIBRARY definitions			126
LIBDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for LIBRARY definitions			125
LSCOPE	CHAR	CPSM	8	No	DIFF	Logical scope name			6
LSRDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for LSR pool definitions			23
LSRDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for LSR pool definitions			25
LSRDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for LSR pool definitions			24
LSREGSTR	EYUDA	CPSM	4	No	LIKE	Logical scope registration	NO		8
LSREGSTR Input/output valid values	NO, YES								
MAPDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for map set definitions			26
MAPDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for map set definitions			28
MAPDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for map set definitions			27
MQCDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for MQ Connection definitions			138
MQCDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for MQ Connection definitions			140
MQCDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for MQ Connection definitions			139
PARDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for partner definitions			29
PARDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for partner definitions			31
PARDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for partner definitions			30
PIPDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for Pipeline definitions			111
PIPDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for Pipeline definitions			113
PIPDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for Pipeline definitions			112
PRCDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for process type definitions			87
PRCDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for process type definitions			89
PRCDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for process type definitions			88
PRGDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for program definitions			38
PRGDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for program definitions			40
PRGDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for program definitions			39
PRODEFRG	CHAR	CPSM	8	No	DIFF	Resource group for profile definitions			35



Table 243. RESDESC resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
PRODEFRS	CHAR	CPSM	8	No	DIFF	Related scope for profile definitions			37
PRODEFTS	CHAR	CPSM	8	No	DIFF	Target scope for profile definitions			36
PRTDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for partition set definitions			32
PRTDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for partition set definitions			34
PRTDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for partition set definitions			33
<b>RESDESC-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource description name			5
RGSCOPE	CHAR	CPSM	8	No	DIFF	Resource group scope name			7
RQMDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for request model definitions			90
RQMDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for request model definitions			92
RQMDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for request model definitions			91
SESDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for session definitions			41
SESDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for session definitions			43
SESDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for session definitions			42
TCLDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for transaction class definitions			53
TCLDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for transaction class definitions			55
TCLDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for transaction class definitions			54
TCPDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for TCP/IP service definitions			81
TCPDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for TCP/IP service definitions			83
TCPDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for TCP/IP service definitions			82
TDQDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for TD queue definitions			44
TDQDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for TD queue definitions			46
TDQDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for TD queue definitions			45
TRMDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for terminal definitions			47
TRMDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for terminal definitions			49
TRMDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for terminal definitions			48
TRNDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for transaction definitions			50
TRNDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for transaction definitions			52

Table 243. RESDESC resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
TRNDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for transaction definitions			51
TSMDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for TS model definitions			75
TSMDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for TS model definitions			77
TSMDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for TS model definitions			76
TYPDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for typeterm definitions			59
TYPDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for typeterm definitions			61
TYPDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for typeterm definitions			60
URIDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for URIMAP definitions			114
URIDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for URIMAP definitions			116
URIDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for URIMAP definitions			115
WEBDEFRG	CHAR	CPSM	8	No	DIFF	Resource group for WebService definitions			117
WEBDEFRS	CHAR	CPSM	8	No	DIFF	Related scope for WebService definitions			119
WEBDEFTS	CHAR	CPSM	8	No	DIFF	Target scope for WebService definitions			118

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## RESGROUP Resource Table

A CICSplex SM Business Application Services Definition that provides the association anchor for a set of CICS Definitions. References to a RESGROUP are inferred to be references to the set of associated CICS Definition instances.

The **Primary** key field for this resource class is RESGROUP.

The following actions are supported:

**INSTALL**

Install definitions from a Resource Group.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

For information on the API CREATE parameters (MODEL and MODE), see “Parameters for managing CICS Definitions” on page 13.

**External resource name**

CICSResourceGroup

**Length**

112

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt3519

Table 244. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		MODE(NO, ASSOCIATIONS, MEMBERS)	No
		MODEL(value)	No
UPDATE		None	N/A
REMOVE		None	N/A
PERFORM	INSTALL	ASSIGNMENT(value)	No
SET		CRITERIA	No
		FORCEINS(YES, NO)	No
		MODE(DYNAM, STAT, INTRA, EXTRA, IND)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No
		REFASSIGN(value)	No
		RELATED(value)	No
		RESTYPE(ATOMDEF, BUNDDEF, CONNDEF, DB2CDEF, DB2EDEF, DB2TDEF, DOCDEF, EJCODEF, EJDJDEF, ENQMDEF, FENODDEF, FEPOODEF, FEPRODEF, FETRGDEF, FILEDEF, FSEGDEF, IPCONDEF, JRNLDEF, JRNMDEF, JVMSVDEF, LIBDEF, LSRDEF, MAPDEF, MQCONDEF, PARTDEF, PIPEDEF, PROCDEF, PROFDEF, PROGDEF, PRTNDEF, RQMDEF, SESSDEF, TCPDEF, TDQDEF, TERMDEF, TRANDEF, TRNCLDEF, TSMDEF, TYPTMDEF, URIMPDEF, WEBSVDEF)	No
		STATECHK(YES, NO)	No
		TARGET(value)	No
		USAGE(LOCAL, REMOTE)	No
	ADDTODSC	DESCCODEPAGE(value)	No
		DESCRIPTION(value)	No
		RESDESC(value)	Yes

Table 245. RESGROUP FEEDBACK error codes

Value	Code	Description
1	RESGROUP_INV_DATA	Attribute data invalid
2	RESGROUP_REC_NOT_FOUND	Requested resource not found

Table 245. RESGROUP FEEDBACK error codes (continued)

Value	Code	Description
4	RESGROUP_REC_EXISTS	Resource already exists
5	RESGROUP_REC_CHANGED	Resource definition already changed
6	RESGROUP_INV_RESTYPE	Invalid resource type
11	RESGROUP_NON_MP	Maintenance point CMAS not available
12	RESGROUP_INV_CONTEXT	Context not found
21	RESGROUP_INV_RECORD	Invalid record
22	RESGROUP_INV_COPYRES	Invalid copy mode
23	RESGROUP_INV_MODEL	Invalid model
24	RESGROUP_INV_MODEL_REQUIRED	Model name required
25	RESGROUP_INV_MAX_VERSIONS	Invalid maximum versions
26	RESGROUP_INCOMPLETE_DEFSET	Incomplete definition set
27	RESGROUP_RESGROUP_IN_USE	Resource group in use
28	RESGROUP_RASGNDEF_IN_USE	Resource assignment definition in use
29	RESGROUP_INV_NAME	Invalid name
30	RESGROUP_NOTIFY	Notify
31	RESGROUP_PARTIAL_INSTALL	Partial install
32	RESGROUP_NOTHING_INSTALLED	Nothing installed
33	RESGROUP_NO_TARGETS	No targets
34	RESGROUP_NO_RELATED	No related systems
35	RESGROUP_INV_TSCOPE	Invalid target scope
36	RESGROUP_INV_RSCOPE	Invalid related scope
37	RESGROUP_INV_USAGE	Invalid usage
38	RESGROUP_INV_MODE	Invalid mode value
39	RESGROUP_INV_STATECHK	Invalid state check
40	RESGROUP_INV_FORCEINS	Invalid force install
41	RESGROUP_INV_NOTIFY	Invalid notify
42	RESGROUP_INV_OVERTYPE	Invalid oertype
43	RESGROUP_INV_OVRBLOCK	Invalid override block
44	RESGROUP_INV_FILTER	Invalid filter
45	RESGROUP_INV_ORSTRING	Invalid override string
46	RESGROUP_INV_STRNGTERM	Invalid string terminator
47	RESGROUP_INV_EMBEDTERM	Invalid embedded terminator
48	RESGROUP_INV_ATTRIBUTE	Invalid attribute
49	RESGROUP_INV_OPERATOR	Invalid operator
50	RESGROUP_INV_LITERAL	Invalid literal
51	RESGROUP_INV_ORSTGNA	Override string not allowed
52	RESGROUP_RSCOPE_REQUIRED	Related scope required
53	RESGROUP_TSCOPE_REQUIRED	Target scope required
54	RESGROUP_USAGE_CONFLICT	Usage conflict
55	RESGROUP_REFASSGN_REQ	Referenced resource assignment required
56	RESGROUP_REFASSIGN_NOTFND	Referenced resource assignment not found
57	RESGROUP_RESTYPE_NOTINSTL	Resource type not installed
58	RESGROUP_NODEFS_SELECTED	No definitions selected
59	RESGROUP_INCOMPATIBLE_OVR	Incompatible override
60	RESGROUP_INCOMPATIBLE_FILTER	Incompatible filter
61	RESGROUP_MORE_THAN_1_RELSYS	More than one related system
62	RESGROUP_MISSING_RELSYSID	Missing related system identifier
63	RESGROUP_SCOPE_CONFLICT	Scope conflict
64	RESGROUP_INV_ACTION	Invalid action
65	RESGROUP_INCONSISTENT_SET	Inconsistent set

Table 246. RESGROUP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			8
CHANGEAGENT Input/output valid values	DREPAPI								
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification			1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created			9
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999	7
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description			6
<b>RESGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Name			5

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## RESINDSC Resource Table

A CPSM Business Application Services Definition that describes the membership of a resource group (RESGROUP) in a resource description (RESDESC).

The **Primary** key field for this resource class is RESDESC.

The **Secondary** key field for this resource class is RESGROUP.

There are no object specific actions for this resource class.

**External resource name**

CICSResourceGroupInDescription

**Length**

120

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt4865

Table 247. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
UPDATE		None	N/A
REMOVE		None	N/A

Table 248. RESINDSC FEEDBACK error codes

Value	Code	Description
1	RESINDSC_INV_DATA	Attribute data invalid
2	RESINDSC_REC_NOT_FOUND	Requested resource not found
4	RESINDSC_REC_EXISTS	Resource already exists
5	RESINDSC_REC_CHANGED	Resource definition already changed
6	RESINDSC_INV_RESTYPE	Invalid resource type
11	RESINDSC_NON_MP	Maintenance point CMAS not available
12	RESINDSC_INV_CONTEXT	Context not found
13	RESINDSC_INCONSISTENT_SET	Inconsistent set condition
21	RESINDSC_INV_RECORD	Invalid record
22	RESINDSC_INV_ACTION	Invalid action
23	RESINDSC_RESDESC_NOUPD	Resource description not updatable
24	RESINDSC_RESGROUP_NOUPD	Resource group not updatable
25	RESINDSC_INV_NAME	Invalid name
26	RESINDSC_INV_MINNAME	Invalid minor name

Table 249. RESINDSC resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			9
CHANGEAGENT Input/output valid values	DREPAPI								
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			12
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification			1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			11
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created			10
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999	8
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description			7
<b>RESDESC-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource description name			5
<b>RESGROUP-2</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name			6

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## RESINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a resource definition in a resource group (RESGROUP). A resource definition can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is RESGROUP.

The **Secondary** key field for this resource class is DEFTYPE.

The **Tertiary** key field for this resource class is DEFNAME.

The **Fourth** key field for this resource class is DEFVER.

The following action is supported:

### REMOVE

Remove the association between a resource definition and a resource group.

The REMOVE action requires no unique parameter data.

### External resource name

CICSResourceInGroup

### Length

136

**Usage** API or WUI or CICS Management Client Interface

### API view

Yes

### CMAS context

No

### SCOPE applies

No

### Only query CMASs in workload

No

### Object type

CICSPlex SM Definition

### Copybook identifier

EYUt6144

Table 250. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		RESGROUP(value)	No
		RESNAME(value)	No
		RESTYPE(value)	No
		RESVER(value)	No
REMOVE		None	N/A

Table 251. RESINGRP FEEDBACK error codes

Value	Code	Description
2	RESINGRP_REC_NOT_FOUND	Requested resource not found

Table 251. RESINGRP FEEDBACK error codes (continued)

Value	Code	Description
6	RESINGRP_INV_RESTYPE	Invalid resource type
7	RESINGRP_INV_VER	Invalid resource version
11	RESINGRP_NON_MP	Maintenance point CMAS not available
12	RESINGRP_INV_CONTEXT	Context not found
23	RESINGRP_INV_NAME	Invalid name
24	RESINGRP_INV_MINNAME	Invalid minor name

Table 252. RESINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			14
CHANGEAGENT Input/output valid values	DREPAPI								
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			17
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification			1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			16
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created			15
DEFDESC	CHAR	CPSM	58	No	DIFF	Resource definition description			9
<b>DEFNAME-3</b>	CHAR	CPSM	8	Yes	DIFF	Resource definition			7
<b>DEFTYPE-2</b>	CHAR	CPSM	8	Yes	DIFF	Resource definition type			6
DEFTYPEX	RESTYPE	CPSM	2	Yes	LIKE	Resource definition ID			11
<b>DEFVER-4</b>	BINARY	CPSM	1	Yes	AVG	Resource definition version	0	0-15	8
INGPTYPE	CHAR	CPSM	8	Yes	LIKE	Resource in group type			12
INGPTYPX	RESTYPE	CPSM	2	Yes	LIKE	Resource in group ID			13
<b>RESGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group			5

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## RPLLIST Resource Table

A CICS resource that describes a data set in the DFHRPL concatenation sequence.

The **Primary** key field for this resource class is RPLNUM.

There are no object specific actions for this resource class.

#### External resource name

CICSDFHRPLDataSet

#### Length

64

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

#### API view

Yes



**CMAS context**  
No

**SCOPE applies**  
Yes

**Only query CMASs in workload**  
No

**Object type**  
CICS Resource

**Copybook identifier**  
EYUt0018

Table 253. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 254. RPLLIST resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
DSNAME	CHAR	CPSM	44	DIFF	Static RPL data set name	2
<b>RPLNUM-1</b>	BINARY	CPSM	4	AVG	Static RPL data set position	1

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## RQMDEF Resource Table

A CICS Definition that describes a request model.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

The following actions are supported:

**INSTALL**

Install a Request Model Definition.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

**External resource name**

CICSDefinitionRequestModel

**Length**

1288

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**  
No

**CMAS context**  
No

**SCOPE applies**  
No

**Only query CMASs in workload**  
No

**Object type**  
CICS Definition

**Copybook identifier**  
EYUt3826

Table 255. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No
		CSDGROUP(value)	No
		RESGROUP(value)	No
CREATE		CSD	No
		RESGROUP(value)	No
UPDATE		CSD	No
REMOVE		CSD	No
PERFORM	INSTALL	FORCEINS(YES, NO)	No
SET		MODE(value)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No
		RELATED(value)	No
		STATECHK(YES, NO)	No
		TARGET(value)	Yes
		USAGE(LOCAL)	Yes
	ADDTGRP	RESGROUP(value)	Yes
	CSDINSTALL	None	N/A
	CSDCOPY	AS_RESOURCE(value)	No
		DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No

Table 256. RQMDEF FEEDBACK error codes

Value	Code	Description
1	RQMDEF_INV_DATA	Attribute data invalid
2	RQMDEF_REC_NOT_FOUND	Requested resource not found
4	RQMDEF_REC_EXISTS	Resource already exists
5	RQMDEF_REC_CHANGED	Resource definition already changed
6	RQMDEF_INV_RESTYPE	Invalid resource type
7	RQMDEF_INV_VER	Invalid resource version
11	RQMDEF_NON_MP	Maintenance point CMAS not available
12	RQMDEF_INV_CONTEXT	Context not found
13	RQMDEF_INCONSISTENT_SET	Inconsistent set condition
14	RQMDEF_INV_RESGROUP	Resource group not found
21	RQMDEF_INV_ACTION	Invalid action

Table 256. RQMDEF FEEDBACK error codes (continued)

Value	Code	Description
22	RQMDEF_INV_RECADDR	Invalid record address
23	RQMDEF_INV_RECLEN	Invalid record length
24	RQMDEF_DIFF_VERSION	Different version
25	RQMDEF_EARLY_NAMELIST_END	Early name list end
26	RQMDEF_INV_NAMELIST	Invalid name list
27	RQMDEF_INV_NAME	Invalid name
28	RQMDEF_INV_MINNAME	Invalid minor name
29	RQMDEF_NOTIFY	Notify
30	RQMDEF_PARTIAL_INSTALL	Partial install
31	RQMDEF_NOTHING_INSTALLED	Nothing installed
32	RQMDEF_NO_TARGETS	No targets
33	RQMDEF_NO_RELATED	No related systems
34	RQMDEF_INV_TSCOPE	Invalid target scope
35	RQMDEF_INV_RSCOPE	Invalid related scope
36	RQMDEF_INV_USAGE	Invalid usage
37	RQMDEF_INV_MODE	Invalid mode
38	RQMDEF_INV_STATECHK	Invalid state check
39	RQMDEF_INV_FORCEINS	Invalid force install
40	RQMDEF_INV_NOTIFY	Invalid notify
41	RQMDEF_INV_OVERTYPE	Invalid over type
42	RQMDEF_INV_OVRBLOCK	Invalid override block
43	RQMDEF_INV_ORSTRING	Invalid override string
44	RQMDEF_INV_STRNGTERM	Invalid string terminator
45	RQMDEF_INV_EMBEDTERM	Invalid embedded terminator
46	RQMDEF_INV_ATTRIBUTE	Invalid attribute
47	RQMDEF_INV_LITERAL	Invalid literal
48	RQMDEF_INV_ORSTGNA	Invalid override string
49	RQMDEF_SCOPE_REQUIRED	Scope required
50	RQMDEF_USAGE_CONFLICT	Usage conflict
51	RQMDEF_NODEFS_SELECTED	No definitions selected
52	RQMDEF_MORE_THAN_1_RELSYS	More than one related system
53	RQMDEF_MISSING_RELSYSID	Missing related system identifier
54	RQMDEF_SCOPE_CONFLICT	Scope conflict
55	RQMDEF_INV_CSDGROUP	Invalid CSD group
56	RQMDEF_REC_NOT_REMOVED	Record not removed
57	RQMDEF_INV_RESOURCE	Invalid resource
58	RQMDEF_INV_CICS_RESTYPE	Invalid CICS restype
59	RQMDEF_PARTIAL_ACTION	Partial action
60	RQMDEF_NOTHING_ACTIONED	Nothing actioned
61	RQMDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive
62	RQMDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
63	RQMDEF_CSD_ERROR	CSD access error

Table 257. RQMDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
BEANNAME	CHAR	CPSM	240	Yes	DIFF	Enterprise bean				23
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			E640 E650	28

Table 257. RQMDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	30
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification time				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	29
CORBASERVER	CHAR	CPSM	4	Yes	DIFF	CorbaServer				17
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				12
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	32
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		5
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		27
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				16
INTERFACE	CHAR	CPSM	255	Yes	DIFF	Interface name				25
INTFACETYPE	CV DAS	CPSM	4	Yes	LIKE	Java interface type	BOTH			20
INTFACETYPE Input/output valid values	HOME, REMOTE, BOTH, NOTAPPLIC									
MODULE	CHAR	CPSM	255	Yes	DIFF	Module name				24
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name				7
OMGINTERFACE	CHAR	CPSM	31	No	DIFF	Object management group (OMG) interface name				9
OMGMODULE	CHAR	CPSM	58	No	DIFF	Object management group (OMG) module name				8
OMGOPERATION	CHAR	CPSM	31	No	DIFF	Object management group (OMG) operation name				10
OPERATION	CHAR	CPSM	255	Yes	DIFF	Operation name				26
RTYPE	CV DAS	CPSM	4	Yes	LIKE	Request model type	GENERIC			19
RTYPE Input/output valid values	EJB, CORBA, GENERIC									
TRANSID	CHAR	CPSM	4	Yes	DIFF	CICS transaction ID				11
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				13
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				14
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				15

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## RQMINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a request model definition (RQMDEF) in a resource group (RESGROUP). A RQMDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is RQMGROUP.

The **Secondary** key field for this resource class is RQMNAME.

The **Tertiary** key field for this resource class is RQMVER.

There are no object specific actions for this resource class.

**External resource name**

**Length**

56

**Usage** API or Batch Utility or WUI

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt6171

Table 258. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

Table 259. RQMINGRP FEEDBACK error codes

Value	Code	Description
1	RQMINGRP_INV_DATA	Attribute data invalid
2	RQMINGRP_REC_NOT_FOUND	Requested resource not found
4	RQMINGRP_REC_EXISTS	Resource already exists
6	RQMINGRP_INV_RESTYPE	Invalid resource type
7	RQMINGRP_INV_VER	Invalid resource version
11	RQMINGRP_NON_MP	Maintenance point CMAS not available
12	RQMINGRP_INV_CONTEXT	Context not found
21	RQMINGRP_INCONSISTENT_SET	Inconsistent set
22	RQMINGRP_DIFF_VERSION	Different version
23	RQMINGRP_INV_NAME	Invalid name
24	RQMINGRP_INV_MINNAME	Invalid minor name

Table 260. RQMINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10

Table 260. RQMINGRP resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>RQMGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name	5
<b>RQMNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	Request model definition name	6
<b>RQMVER-3</b>	BINARY	CPSM	1	Yes	AVG	Request model definition version	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## RQMODEL Resource Table

A CICS Resource that describes a request model in an active CICS system being managed by CICSplex SM. This resource is not supported in CICS TS for z/OS, Version 5.1 and later versions.

The **Primary** key field for this resource class is NAME.

The following actions are supported:

**DISCARD**

Discard a request model.

The DISCARD action requires no unique parameter data.

**External resource name**

CICSRequestModel

**Length**

1232

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0098

Table 261. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET			

Table 262. RQMODEL resource table attributes

Name	Datatype	Source	Len	Sum	Description	Default	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved			
BASDEFINEVER	BINARY	CPSM	1	AVG	BAS resource definition version	0	E640 E650	23
BEANNAME	CHAR	INQ	240	DIFF	Enterprise bean			9
CHANGEAGENT	CVDAS	INQ	4	LIKE	Last modification agent		E640 E650	14
CHANGEAGENT Input/output valid values	CSDAPI, CSDBATCH, DREPAPI, DREPBATCH, CREATESPI, NOTAPPLIC							
CHANGEAGREL	CHAR	INQ	4	DIFF	Last modification agent release		E640 E650	16
CHANGETIME	DATETIME	INQ	8	MAX	Last modification time		E640 E650	17
CHANGEUSRID	CHAR	INQ	8	DIFF	Last modification user ID		E640 E650	15
CORBASERVER	CHAR	INQ	4	DIFF	CorbaServer			6
DEFINESOURCE	CHAR	INQ	8	DIFF	Source of the resource definition		E640 E650	18
DEFINETIME	DATETIME	INQ	8	MAX	Creation time		E640 E650	19
INSTALLAGENT	CVDAS	INQ	4	LIKE	Installation agent		E640 E650	22
INSTALLAGENT Input/output valid values	CSDAPI, CREATESPI, GRPLIST							
INSTALLTIME	DATETIME	INQ	8	MAX	Installation time		E640 E650	21
INSTALLUSRID	CHAR	INQ	8	DIFF	Installation user ID		E640 E650	20
INTERFACE	CHAR	INQ	255	DIFF	Interface name			11
INTFACETYPE	CVDAS	INQ	4	LIKE	Java interface type	BOTH		8
INTFACETYPE Output valid values	HOME, REMOTE, BOTH, NOTAPPLIC							
MODULE	CHAR	INQ	255	DIFF	Module name			10
<b>NAME-1</b>	CHAR	INQ	8	DIFF	Request model name			1
OMGINTERFACE	CHAR	INQ	31	DIFF	Object management group (OMG) interface name		E610+	3
OMGMODULE	CHAR	INQ	58	DIFF	Object management group (OMG) module name		E610+	2
OMGOPERATION	CHAR	INQ	31	DIFF	Object management group (OMG) operation name		E610+	4
OPERATION	CHAR	INQ	255	DIFF	Operation name			12
RTYPE	CVDAS	INQ	4	LIKE	Request model type	GENERIC		7
RTYPE Output valid values	EJB, CORBA, GENERIC							
TRANSID	CHAR	INQ	4	DIFF	CICS transaction ID			5

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## RTAACTV Resource Table

A CPSM Real Time Analysis Manager object that describes the characteristics of an analysis or status definition installed in a specific CICS system.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is ACTIVETIME.

The **Tertiary** key field for this resource class is TYPE.

The following actions are supported:

### DISCARD

Unconditionally remove the installed definition.

### DEACTIVATE

Remove the installed definition honoring a PERIODEF.

These actions require no unique parameter data.

### External resource name

CICSRTAInstalledDefinition

### Length

64

**Usage** API or WUI or CICS Management Client Interface

### API view

No

### CMAS context

No

### SCOPE applies

Yes

### Only query CMASs in workload

No

### Object type

CICSplex SM Manager

### Copybook identifier

EYUt2529

Table 263. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET	DEACTIVATE	None	N/A
	REACTIVATE	None	N/A

Table 264. RTAACTV FEEDBACK error codes

Value	Code	Description
1	RTAACTV_INV_DATA	Attribute data invalid
2	RTAACTV_REC_NOT_FOUND	Requested resource not found
21	RTAACTV_DEACT_NOT_ALLOWED	Deactivate not allowed



Table 264. RTAACTV FEEDBACK error codes (continued)

Value	Code	Description
22	RTAACTV_REACT_NOT_ALLOWED	Reactivate not allowed

Table 265. RTAACTV resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
ACTION	CHAR	CPSM	8	DIFF	Associated action name	4
ACTIVETIME-2	CHAR	CPSM	8	DIFF	Period definition name	3
CICSSYS	CHAR	CPSM	8	DIFF	CICS system name	2
NAME-1	CHAR	CPSM	8	DIFF	Definition name	1
RATE	BINARY	CPSM	4	AVG	Interval between evaluations (seconds)	5
STATUS	EYUDA	CPSM	4	LIKE	Definition status	6
STATUS Output valid values	ACTIVE, PENDING					
TYPE-3	RESTYPE	CPSM	2	LIKE	Analysis definition type (analysis or status)	7

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## RTADEF Resource Table

A CPSM Real Time Analysis Definition that describes a single analysis operation for a set of evaluations. The analysis operation controls identify the evaluations to reference and information about the frequency and modes used to determine if the analysis state is TRUE.

The **Primary** key field for this resource class is NAME.

The following actions are supported:

#### INSTALL

Install the definition into each active CICS system that has Real Time Analysis active within the specified scope. If provided the PERIODEF is used to provide the valid operational time of the RTADEF.

The parameter data for the INSTALL action is:

```
PARM('[PERIOD(period)].')
```

where:

period = The name of a PERIODEF definition.

#### APIINSTALL

Install the definition into an active APSPEC.

The parameter data for the APIINSTALL action is:

```
PARM('APSPEC(spec) [PERIOD(period)].')
```

where:

spec = (Required) The name of an active APSPEC.  
period = The name of a PERIODEF definition.

The RTADEF is installed in each active CICS system in the current scope that has Real Time Analysis active. If provided, the PERIODEF is used to determine the valid operational time of the RTADEF.

**External resource name**  
CICSRTADefinition

**Length**  
672

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**  
No

**CMAS context**  
No

**SCOPE applies**  
No

**Only query CMASs in workload**  
No

**Object type**  
CICSplex SM Definition

**Copybook identifier**  
EYUt3507

Table 266. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
UPDATE		None	N/A
REMOVE		None	N/A
PERFORM	INSTALL	PERIOD(value)	No
SET		SCOPE(value)	No
	APINSTALL	APSPEC(value)	Yes
		PERIOD(value)	No
		SCOPE(value)	No
	ADDTGRP	ACTIVETIME(value)	No
		RESGROUP(value)	Yes

Table 267. RTADEF FEEDBACK error codes

Value	Code	Description
1	RTADEF_INV_DATA	Attribute data invalid
2	RTADEF_REC_NOT_FOUND	Requested resource not found
3	RTADEF_INV_REFERENCE	Not found
4	RTADEF_REC_EXISTS	Resource already exists
5	RTADEF_REC_CHANGED	Resource definition already changed
6	RTADEF_INV_RESTYPE	Invalid restype
7	RTADEF_NONE_INSTALLED	None installed
8	RTADEF_PARTIAL_INSTALL	Partial install

Table 267. RTADEF FEEDBACK error codes (continued)

Value	Code	Description
9	RTADEF_ALREADY_INSTALLED	Already installed
10	RTADEF_NO_ACTIVE_SYSTEMS	No active systems for install
11	RTADEF_MISSING_APSPEC	Missing analysis point specification
12	RTADEF_INVALID_APSPEC_NAME	Invalid analysis point specification name
13	RTADEF_INVALID_NAMELIST	Invalid namelist
14	RTADEF_EARLY_NAMELIST_END	Early namelist end
15	RTADEF_INVALID_DEFTYPE	Invalid definition type
16	RTADEF_INVALID_TYPE	Invalid request type
17	RTADEF_INVALID_SCOPE	Invalid scope
18	RTADEF_INVALID_CONTEXT	Invalid context
19	RTADEF_NO_RECORD_FOUND	No RTA definition found for install

Table 268. RTADEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
ACTION	CHAR	CPSM	8	Yes	DIFF	Action definition name			9
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			32
CHANGEAGENT Input/output valid values	DREPAPI								
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			35
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification			1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			34
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created			33
DESC	CHAR	CPSM	58	No	DIFF	Description			22
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999	31
EVALEXPRTEXT	CHAR	CPSM	500	Yes	DIFF	Evaluation expression			24
EXEC_OPS	EYUDA	CPSM	4	Yes	LIKE	Execute evaluation modification string	NO		30
EXEC_OPS Input/output valid values	YES, NO, ALWAYS								
HSENTRY	BINARY	CPSM	4	Yes	AVG	Count of true evaluations before HS raised	1	1-9999	14
HSEXIT	BINARY	CPSM	4	Yes	AVG	Count of false evaluations before HS resolved	1	1-9999	20
HWENTRY	BINARY	CPSM	4	Yes	AVG	Count of true evaluations before HW raised	1	1-9999	13
HWEXIT	BINARY	CPSM	4	Yes	AVG	Count of false evaluations before HW resolved	1	1-9999	19
LSENTRY	BINARY	CPSM	4	Yes	AVG	Count of true evaluations before LS raised	1	1-9999	11
LSEXIT	BINARY	CPSM	4	Yes	AVG	Count of false evaluations before LS resolved	1	1-9999	17
LWENTRY	BINARY	CPSM	4	Yes	AVG	Count of true evaluations before LW raised	1	1-9999	12
LWEXIT	BINARY	CPSM	4	Yes	AVG	Count of false evaluations before LW resolved	1	1-9999	18
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name			7

Table 268. RTADEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
RATE	BINARY	CPSM	4	Yes	AVG	Analysis interval	300	1-86400	8
VHSEENTRY	BINARY	CPSM	4	Yes	AVG	Count of true evaluations before VHS raised	1	1-9999	15
VHSEXIT	BINARY	CPSM	4	Yes	AVG	Count of false evaluations before VHS resolved	1	1-9999	21
VLSEENTRY	BINARY	CPSM	4	Yes	AVG	Count of true evaluations before VLS raised	1	1-9999	10
VLSEXIT	BINARY	CPSM	4	Yes	AVG	Count of false evaluations before VLS resolved	1	1-9999	16

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## RTAGROUP Resource Table

A CPSM Real Time Analysis Definition that provides the association anchor for a set of RTADEF or STATDEF definitions. References to the RTAGROUP are inferred to be references to the set of associated RTADEF or STATDEF instances.

The **Primary** key field for this resource class is NAME.

The following actions are supported:

**INSTALL**

Install the set of definition RTADEF and STATDEF instances in the group into each active CICS system that has Real Time Analysis active within the specified scope.

**APINSTALL**

Install the set of definition into an active APSPEC.

The parameter data for the APINSTALL action is:

PARM('APSPEC(spec).')

where:

spec = (Required) The name of an active APSPEC.

Only the set of RTADEF instances associated with the RTAGROUP are installed since an APSPEC does not support STATDEF objects.

**External resource name**

CICSRTAGroup

**Length**

112

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**  
No

**SCOPE applies**  
No

**Only query CMASs in workload**  
No

**Object type**  
CICSplex SM Definition

**Copybook identifier**  
EYUt3505

Table 269. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
UPDATE		None	N/A
REMOVE		None	N/A
PERFORM SET	INSTALL	SCOPE(value)	No
	APINSTALL	APSPEC(value)	Yes
		SCOPE(value)	No
	ADDTOSPC	SPEC(value)	Yes
	ADDTOAPS	SCOPE(value)	No
		SPEC(value)	Yes

Table 270. RTAGROUP FEEDBACK error codes

Value	Code	Description
1	RTAGROUP_INV_DATA	Attribute data invalid
2	RTAGROUP_REC_NOT_FOUND	Requested resource not found
3	RTAGROUP_INV_REFERENCE	Attribute references an invalid resource
4	RTAGROUP_REC_EXISTS	Resource already exists
5	RTAGROUP_REC_CHANGED	Resource definition already changed
6	RTAGROUP_INV_RESTYPE	Invalid Restype
7	RTAGROUP_INV_VER	Invalid version
21	RTAGROUP_NONE_INSTALLED	No groups installed
22	RTAGROUP_PARTIAL_INSTALL	Partial install
23	RTAGROUP_NO_ACTIVE_SYSTEMS	No active systems
24	RTAGROUP_DUPLICATE_DEFINITION	Duplicate definition

Table 271. RTAGROUP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			8
CHANGEAGENT Input/output valid values	DREPAPI								
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed			1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created			9

Table 271. RTAGROUP resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
DESC	CHAR	CPSM	58	No	DIFF	Description			6
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999	7
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	RTA group			5

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## RTAINAPS Resource Table

A CPSM Real Time Analysis Definition that describes the membership of a real-time analysis group (RTAGROUP) in an analysis point specification (APSPEC). An RTAGROUP can be a member of multiple APSPECs.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is GROUP.

There are no object specific actions for this resource class.

**External resource name**

CICSRTAGroupInAnalysisPointSpecification

**Length**

64

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt5124

Table 272. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

Table 273. RTAINAPS FEEDBACK error codes

Value	Code	Description
1	RTAINAPS_INV_DATA	Attribute data invalid
2	RTAINAPS_REC_NOT_FOUND	Requested resource not found
3	RTAINAPS_INV_REFERENCE	Attribute references an invalid resource
4	RTAINAPS_REC_EXISTS	Resource already exists
6	RTAINAPS_INV_RESTYPE	Invalid resource type
7	RTAINAPS_INV_VER	Invalid resource version

Table 274. RTAINAPS resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>GROUP-2</b>	CHAR	CPSM	8	Yes	DIFF	RTA group	6
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Analysis point specification	5
SCOPE	CHAR	CPSM	8	No	DIFF	Scope of RTA definitions in group	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## RTAINGRP Resource Table

A CPSM Real Time Analysis Definition that describes the membership of a real-time analysis definition (RTADEF) in a real-time analysis group (RTAGROUP). An RTADEF can be a member of multiple RTAGROUPs.

The **Primary** key field for this resource class is GROUP.

The **Secondary** key field for this resource class is DEFNAME.

There are no object specific actions for this resource class.

**External resource name**

CICSRTAResourceInGroup

**Length**

64

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

Only query CMASs in workload  
No

Object type  
CICSplex SM Definition

Copybook identifier  
EYUt5377

Table 275. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
UPDATE		None	N/A
REMOVE		None	N/A

Table 276. RTAINGRP FEEDBACK error codes

Value	Code	Description
1	RTAINGRP_INV_DATA	Attribute data invalid
2	RTAINGRP_REC_NOT_FOUND	Requested resource not found
3	RTAINGRP_INV_REFERENCE	Attribute references an invalid resource
4	RTAINGRP_REC_EXISTS	Resource already exists
5	RTAINGRP_REC_CHANGED	Resource definition already changed
6	RTAINGRP_INV_RESTYPE	Invalid resource type

Table 277. RTAINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
ACTIVETIME	CHAR	CPSM	8	No	DIFF	Period definition	7
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>DEFNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	RTA definition	6
<b>GROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	RTA group	5

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## RTAINSPC Resource Table

A CPSM Real Time Analysis Definition that describes the membership of a real-time analysis group (RTAGROUP) in a real-time analysis specification (RTASPEC). An RTAGROUP may be a member of multiple RTASPECs.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is GROUP.

There are no object specific actions for this resource class.



**External resource name**  
CICSRTAGroupInSpecification

**Length**  
56

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**  
No

**CMAS context**  
No

**SCOPE applies**  
No

**Only query CMASs in workload**  
No

**Object type**  
CICSplex SM Definition

**Copybook identifier**  
EYUt5122

Table 278. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

Table 279. RTAINSPC FEEDBACK error codes

Value	Code	Description
1	RTAINSPC_INV_DATA	Attribute data invalid
2	RTAINSPC_REC_NOT_FOUND	Requested resource not found
3	RTAINSPC_INV_REFERENCE	Attribute references an invalid resource
4	RTAINSPC_REC_EXISTS	Resource already exists

Table 280. RTAINSPC resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CV DAS	CPSM	4	No	LIKE	Last modification agent	7
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	10
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	9
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	8
<b>GROUP-2</b>	CHAR	CPSM	8	Yes	DIFF	RTA group	6
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	RTA specification name	5

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## RTASPEC Resource Table

A CPSM Real Time Analysis Definition that describes the RTA control directives for a set of CICS systems. Using group associators, an RTASPEC object can determine which RTADEF and STATDEF instances are to be installed in each CICS system. Using scope link associators (LNKSRSCS), an RTASPEC object can determine which CICS systems fall under its processing scope. A CICS system can have a scope link associator to only one RTASPEC.

The **Primary** key field for this resource class is NAME.

**External resource name**  
CICSRTASpecification

**Length**  
192

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**  
No

**CMAS context**  
No

**SCOPE applies**  
No

**Only query CMASs in workload**  
No

**Object type**  
CICSplex SM Definition

**Copybook identifier**  
EYUt3512

Table 281. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
UPDATE		None	N/A
REMOVE		None	N/A
PERFORM	ADDSYSGRP	FORCE	No
SET		GROUP(value)	Yes
		INHERIT(NONE, NULL, FORCE)	No
		NONE	No
		NULL	No
	ADDSYSDEF	SYSTEM(value)	Yes

Table 282. RTASPEC FEEDBACK error codes

Value	Code	Description
1	RTASPEC_INV_DATA	Attribute data invalid
2	RTASPEC_REC_NOT_FOUND	Requested resource not found
3	RTASPEC_INV_REFERENCE	Does not exist
4	RTASPEC_REC_EXISTS	Resource already exists
5	RTASPEC_REC_CHANGED	Resource definition already changed
6	RTASPEC_INV_RESTYPE	Invalid resource type

Table 282. RTASPEC FEEDBACK error codes (continued)

Value	Code	Description
7	RTASPEC_INV_VER	Invalid resource version
8	RTASPEC_ACTION_NOT_FOUND	Action not found
9	RTASPEC_LNKASSOC_EXISTS	Association already exists

Table 283. RTASPEC resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			20
CHANGEAGENT Input/output valid values	DREPAPI								
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			23
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification			1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			22
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created			21
DESC	CHAR	CPSM	58	No	DIFF	Description			18
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999	19
MXTACTION	CHAR	CPSM	8	No	DIFF	Action for CICS-at-maximum-tasks event			16
MXTSEV	EYUDA	CPSM	4	No	LIKE	Severity for CICS-at-maximum-tasks event			10
MXTSEV Input/output valid values	VLS, LS, LW, HW, HS, VHS, NO, N_A								
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	RTA specification name			5
NRMACTION	CHAR	CPSM	8	No	DIFF	Action for Non-responsive-MAS event			26
NRMSEV	EYUDA	CPSM	4	No	LIKE	Severity for Non-responsive-MAS event			25
NRMSEV Input/output valid values	VLS, LS, LW, HW, HS, VHS, NO, N_A								
SAMACTION	CHAR	CPSM	8	No	DIFF	Action for system availability monitoring event			12
SAMSEV	EYUDA	CPSM	4	No	LIKE	Severity for system availability monitoring event			6
SAMSEV Input/output valid values	VLS, LS, LW, HW, HS, VHS, NO, N_A								
SDMACTION	CHAR	CPSM	8	No	DIFF	Action for system dump event			14
SDMSEV	EYUDA	CPSM	4	No	LIKE	Severity for system dump event			8
SDMSEV Input/output valid values	VLS, LS, LW, HW, HS, VHS, NO, N_A								
SOSACTION	CHAR	CPSM	8	No	DIFF	Action for short on storage (SOS) event			13
SOSSEV	EYUDA	CPSM	4	No	LIKE	Severity for short on storage (SOS) event			7
SOSSEV Input/output valid values	VLS, LS, LW, HW, HS, VHS, NO, N_A								
STLACTION	CHAR	CPSM	8	No	DIFF	Action for CICS-stalled event			17

Table 283. RTASPEC resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
STLSEV	EYUDA	CPSM	4	No	LIKE	Severity for CICS-stalled event			11
STLSEV Input/output valid values	VLS, LS, LW, HW, HS, VHS, NO, N_A								
TDMACTION	CHAR	CPSM	8	No	DIFF	Action for transaction dump event			15
TDMSEV	EYUDA	CPSM	4	No	LIKE	Severity for transaction dump event			9
TDMSEV Input/output valid values	VLS, LS, LW, HW, HS, VHS, NO, N_A								

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## RULE Resource Table

This CICS resource object provides information about policy rules.

The **Primary** key field for this resource class is POLICYSET.

The **Secondary** key field for this resource class is POLICY.

The **Tertiary** key field for this resource class is RULE.

There are no object specific actions for this resource class.

**Restriction:** The RACF® security profiles do not support the RULE resource; consequently, security checks do not apply to policy query operations.

**External resource name**

CICSRule

**Length**

912

**Usage** API or CICS Management Client Interface

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0215

Table 284. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		APPLICATION(value)	No
		APPLMAJORVER(value)	No
		APPLMICROVER(value)	No
		APPLMINORVER(value)	No
		OPERATION(value)	No
		PLATFORM(value)	No
		POLICY(value)	No
		POLICYSET(value)	No
		RULE(value)	No

Table 285. RULE FEEDBACK error codes

Value	Code	Description
21	RULE_NO_DATA	No data to return
22	RULE_INV_PLATFORM	Platform name is invalid
23	RULE_INV_APPLICATION	Application name is invalid
24	RULE_INV_MAJVER	Application major version is invalid
25	RULE_INV_MINVER	Application minor version is invalid
26	RULE_INV_MICVER	Application micro version is invalid
27	RULE_INV_OPERATION	Operation name is invalid
28	RULE_INV_POLICY	Policy name is invalid
29	RULE_INV_RULE	Rule name is invalid

Table 286. RULE resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
ABCODE	CHAR	INQ	4	DIFF	Abend code	36
ACTION	EYUDA	INQ	4	DIFF	Trigger action	17
BASEAPMAJVER	BINARY	INQ	4	MAX	Base application major version	31
BASEAPMICVER	BINARY	INQ	4	MAX	Base application micro version	33
BASEAPMINVER	BINARY	INQ	4	MAX	Base application minor version	32
BASEAPPLICTN	CHAR	INQ	64	DIFF	Base application name	30
BASELEVEL	EYUDA	INQ	4	DIFF	Base level	28
BASEOPERATN	CHAR	INQ	64	DIFF	Operation name	34
BASEPLATFORM	CHAR	INQ	64	DIFF	Base platform name	29
BUNDLE	CHAR	INQ	8	DIFF	Bundle Name	21
BUNDLEDIR	CHAR	INQ	255	DIFF	Bundle directory name	26
BUNDLEID	CHAR	INQ	64	DIFF	Bundle ID	22
BUNDLEMAJVER	BINARY	INQ	4	DIFF	Bundle major version	23
BUNDLEMICVER	BINARY	INQ	4	DIFF	Bundle micro version	25
BUNDLEMINVER	BINARY	INQ	4	DIFF	Bundle minor version	24
CHANGEAGENT	CVDAS	INQ	4	LIKE	Last modification agent	2
CHANGEAGENT Input/output valid values	CSDAPI, CREATESPI, CSDBATCH, DREPAPI, NOTAPPLIC					
CHANGEAGREL	CHAR	INQ	4	DIFF	Last modification agent release	3
CHANGETIME	DATETIME	INQ	8	MAX	Last modification time	7
CHANGEUSRID	CHAR	INQ	8	DIFF	Last modification user ID	4
COUNT	BINARY	INQ	4	MAX	Threshold exceeded count	35

Table 286. *RULE resource table attributes (continued)*

Name	Datatype	Source	Len	Sum	Description	Attr ID
DEFINESOURCE	CHAR	INQ	8	DIFF	Source of the resource definition	5
DEFINETIME	DATETIME	INQ	8	MAX	Creation time	6
EPADAPTER	CHAR	INQ	32	DIFF	EP adapter name	39
EPADAPTERSET	CHAR	INQ	32	DIFF	EP adapter set name	38
INSTALLAGENT	CVDAS	INQ	4	DIFF	Installation agent	9
INSTALLAGENT Input/output valid values	BUNDLE					
INSTALLTIME	DATETIME	INQ	8	MAX	Installation time	8
INSTALLUSRID	CHAR	INQ	8	DIFF	Installation user ID	10
OPERATOR	EYUDA	INQ	4	DIFF	Test operator	13
<b>POLICY-2</b>	CHAR	INQ	64	DIFF	Policy name	19
<b>POLICYSET-1</b>	CHAR	INQ	12	DIFF	Policy set	18
<b>RULE-3</b>	CHAR	INQ	64	DIFF	Policy Rule	1
RULEITEM	CHAR	INQ	16	DIFF	Rule item name	12
RULETYPE	CHAR	INQ	16	DIFF	Rule type	11
THRESHOLD	BINARY	INQ	8	MAX	Actual threshold value	15
TIME	DATETIME	INQ	8	MAX	Previous exception time	37
UNIT	EYUDA	INQ	4	DIFF	Unit qualifier	16
USERTAG	CHAR	INQ	8	DIFF	User tag	20
VALUE	BINARY	INQ	8	MAX	Limit value	14

## SESINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a session definition (SESSDEF) in a resource group (RESGROUP). A SESSDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is SESSGROUP.

The **Secondary** key field for this resource class is SESSNAME.

The **Tertiary** key field for this resource class is SESSVER.

There are no object specific actions for this resource class.

### External resource name

#### Length

56

**Usage** API or Batch Utility or WUI

#### API view

No

#### CMAS context

No

#### SCOPE applies

No

#### Only query CMASs in workload

No

#### Object type

CICSplex SM Definition

**Copybook identifier**  
EYUt6155

*Table 287. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

*Table 288. SESINGRP FEEDBACK error codes*

Value	Code	Description
1	SESINGRP_INV_DATA	Attribute data invalid
2	SESINGRP_REC_NOT_FOUND	Requested resource not found
4	SESINGRP_REC_EXISTS	Resource already exists
6	SESINGRP_INV_RESTYPE	Invalid resource type
7	SESINGRP_INV_VER	Invalid resource version
11	SESINGRP_NON_MP	Maintenance point CMAS not available
12	SESINGRP_INV_CONTEXT	Context not found
21	SESINGRP_INCONSISTENT_SET	Inconsistent set
22	SESINGRP_DIFF_VERSION	Different version
23	SESINGRP_INV_NAME	Invalid name
24	SESINGRP_INV_MINNAME	Invalid minor name

*Table 289. SESINGRP resource table attributes*

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>SESSGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name	5
<b>SESSNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	Session definition name	6
<b>SESSVER-3</b>	BINARY	CPSM	1	Yes	AVG	Session definition version	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

---

## SESSDEF Resource Table

A CICS Definition that describes a session, which is a logical link between connected systems.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

**External resource name**  
CICSDefinitionSession

**Length**  
496

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**  
No

**CMAS context**  
No

**SCOPE applies**  
No

**Only query CMASs in workload**  
No

**Object type**  
CICS Definition

**Copybook identifier**  
EYUt3810

Table 290. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No
		CSDGROUP(value)	No
		RESGROUP(value)	No
CREATE		CSD	No
		RESGROUP(value)	No
UPDATE		CSD	No
REMOVE		CSD	No
PERFORM	ADDTGRP	RESGROUP(value)	Yes
SET	CSDCOPY	AS_RESOURCE(value)	No
		DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No

Table 291. SESSDEF FEEDBACK error codes

Value	Code	Description
1	SESSDEF_INV_DATA	Attribute data invalid
2	SESSDEF_REC_NOT_FOUND	Requested resource not found
4	SESSDEF_REC_EXISTS	Resource already exists
5	SESSDEF_REC_CHANGED	Resource definition already changed
6	SESSDEF_INV_RESTYPE	Invalid resource type
7	SESSDEF_INV_VER	Invalid resource version
11	SESSDEF_NON_MP	Maintenance point CMAS not available
12	SESSDEF_INV_CONTEXT	Context not found
13	SESSDEF_INCONSISTENT_SET	Inconsistent set condition
14	SESSDEF_INV_RESGROUP	Resource group not found
21	SESSDEF_INV_ACTION	Invalid action
22	SESSDEF_INV_RECADDR	Invalid record address
23	SESSDEF_INV_RECLEN	Invalid record length
24	SESSDEF_DIFF_VERSION	Different version



Table 291. SESSDEF FEEDBACK error codes (continued)

Value	Code	Description
25	SESSDEF_EARLY_NAMELIST_END	Early name list end
26	SESSDEF_INV_NAMELIST	Invalid name list
27	SESSDEF_INV_NAME	Invalid name
28	SESSDEF_INV_MINNAME	Invalid minor name
29	SESSDEF_INV_CSDGROUP	Invalid CSD group
30	SESSDEF_REC_NOT_REMOVED	Record not removed
31	SESSDEF_INV_RESOURCE	Invalid resource
32	SESSDEF_INV_CICS_RESTYPE	Invalid CICS restype
33	SESSDEF_PARTIAL_ACTION	Partial action
34	SESSDEF_NOTHING_ACTIONED	Nothing actioned
35	SESSDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive
36	SESSDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
37	SESSDEF_CSD_ERROR	CSD access error

Table 292. SESSDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
AUTOCONNECT	EYUDA	CPSM	4	Yes	LIKE	Autoconnect option	NO			8
AUTOCONNECT Input/output valid values	YES, NO, ALL									
BUILDCHAIN	EYUDA	CPSM	4	Yes	LIKE	Chain assembly required	YES			9
BUILDCHAIN Input/output valid values	YES, NO									
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			E640 E650	57
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	59
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification time				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	58
CONNECTION	CHAR	CPSM	4	Yes	DIFF	Connection definition name				10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				49
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	61
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		5
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		56
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				53
DISCREQ	EYUDA	CPSM	4	Yes	LIKE	Honor disconnect requests	NO			11
DISCREQ Input/output valid values	YES, NO									
INSERVICE	EYUDA	CPSM	4	Yes	LIKE	Session inservice	N_A		E330+	30
INSERVICE Input/output valid values	YES, NO, N_A									

Table 292. SESSDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
IOAREALEN	CHAR	CPSM	8	No	DIFF	Minimum terminal input output area (TIOA) size	0	0-32767		12
IOAREALEN2	CHAR	CPSM	8	No	DIFF	Alternate terminal input output area (TIOA) size	0	0-32767		13
MAXXTWIN	CHAR	CPSM	4	No	DIFF	Maximum number of contention winner sessions		0-999		15
MAXINGRP	CHAR	CPSM	4	No	DIFF	Maximum number of sessions in the group		0-999		14
MODENAME	CHAR	CPSM	8	No	DIFF	Mode name				16
NAME-1	CHAR	CPSM	8	Yes	DIFF	Name				7
NEPCCLASS	CHAR	CPSM	4	No	DIFF	Network error program transaction class	0	0-255		17
NETNAMEQ	CHAR	CPSM	8	No	DIFF	Name IMS system uses to identify session				18
OPERID	CHAR	CPSM	3	No	DIFF	Operator identifier			E330+	37
OPERPRIORITY	CHAR	CPSM	4	No	DIFF	Operator priority	0	0-255	E330+	29
OPERRSL	CHAR	CPSM	50	No	DIFF	Operator resource security keys			E330+	54
OPERSEC	CHAR	CPSM	150	No	DIFF	Operator transaction security keys			E330+	55
PARTCODEPAGE	CHAR	CPSM	8	No	DIFF	Partner code page	0	0-65534	EALL	33
PROTOCOL	CVDAS	CPSM	4	Yes	LIKE	Intercommunication link protocol	APPC			19
PROTOCOL Input/output valid values	APPC, EXCI, LU61, NOTAPPLIC									
RECEIVECOUNT	CHAR	CPSM	4	No	DIFF	Receive count		1-999		20
RECEIVEPFX	CHAR	CPSM	2	No	DIFF	Receive prefix				35
RECEIVESIZE	CHAR	CPSM	8	No	DIFF	Receive buffer size	4096	1-30720		21
RECOVNOTIFY	EYUDA	CPSM	4	Yes	LIKE	XRF recovery notification option	N_A		E410+	23
RECOVNOTIFY Input/output valid values	NONE, MESSAGE, TRANSACTION, N_A									
RECOVOPTION	EYUDA	CPSM	4	Yes	LIKE	Recovery option	SYSDEFAULT			22
RECOVOPTION Input/output valid values	SYSDEFAULT, CLEARCONV, NONE, RELEASESESS, UNCONDREL									
RELREQ	EYUDA	CPSM	4	Yes	LIKE	Honor release requests	NO			24
RELREQ Input/output valid values	YES, NO									
SENDCOUNT	CHAR	CPSM	4	No	DIFF	Send count		1-999		25
SENDPFX	CHAR	CPSM	2	No	DIFF	Send prefix				36
SENDSIZE	CHAR	CPSM	8	No	DIFF	Send buffer size	4096	1-30720		26
SESSNAME	CHAR	CPSM	4	No	DIFF	Session name				27
SESSPRIORITY	CHAR	CPSM	4	No	DIFF	Session priority	0	0-255		28
TRANSACTION	CHAR	CPSM	4	No	DIFF	Transaction to be initiated from device			E330+	31
USERAREALEN	CHAR	CPSM	4	No	DIFF	User area size	0	0-255		32
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				50
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				51
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				52
USERID	CHAR	CPSM	8	No	DIFF	User signon ID				34

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## SMFJRNL Resource Table

A CICS Resource that describes an SMF type journal in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is JOURNALNUM.

There are no object specific actions for this resource class.

**External resource name****Length**

40

**Usage** EVALDEF**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0014

Table 293. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A

Table 294. SMFJRNL resource table attributes

Name	Datatype	Source	Len	Sum	Set	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved	
AVGSIZE	BINARY	STAT	2	AVG	No	Average block size	2
BLKWRCNT	DECIMAL	STAT	4	AVG	No	Number of blocks written	4
BUFULLCNT	DECIMAL	STAT	3	AVG	No	Number of times buffer was full	6
<b>JOURNALNUM-1</b>	BINARY	INQ	2	AVG	No	Journal number	1
OPENSTATUS	CVDAS	INQ	4	LIKE	Yes	Open status	3
OPENSTATUS Output valid values	OPENOUTPUT, CLOSED						

Table 294. SMFJRN resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Attr ID
RECWCNT	DECIMAL	STAT	5	AVG	No	Number of records written	5

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## STAINGRP Resource Table

A CPSM Real Time Analysis Definition that describes the membership of a status definition (STATDEF) in a real-time analysis group (RTAGROUP). A STATDEF can be a member of multiple RTAGROUPs.

The **Primary** key field for this resource class is GROUP.

The **Secondary** key field for this resource class is DEFNAME.

There are no object specific actions for this resource class.

**External resource name**

CICSRTAStatusDefinitionInGroup

**Length**

64

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt5381

Table 295. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
UPDATE		None	N/A
REMOVE		None	N/A

Table 296. STAINGRP FEEDBACK error codes

Value	Code	Description
1	STAINGRP_INV_DATA	Attribute data invalid

Table 296. STAINGRP FEEDBACK error codes (continued)

Value	Code	Description
2	STAINGRP_REC_NOT_FOUND	Requested resource not found
3	STAINGRP_INV_REFERENCE	Attribute references an invalid resource
4	STAINGRP_REC_EXISTS	Resource already exists
5	STAINGRP_REC_CHANGED	Resource definition already changed
6	STAINGRP_INV_RESTYPE	Invalid resource type

Table 297. STAINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
ACTIVETIME	CHAR	CPSM	8	No	DIFF	Period definition	7
CHANGEAGENT	CV DAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
DEFNAME-2	CHAR	CPSM	8	Yes	DIFF	Status definition	6
GROUP-1	CHAR	CPSM	8	Yes	DIFF	RTA group	5

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## STATDEF Resource Table

A CPSM Real Time Analysis Definition that describes a site-defined status probe program to be run in a CICS system as part of Real Time Analysis processing.

The **Primary** key field for this resource class is NAME.

The following action is supported:

#### INSTALL

Install the definition into each active CICS system that has Real Time Analysis active within the specified scope. If provided the PERIODEF is used to provide the valid operational time of the STATDEF.

The parameter data for the INSTALL action is:

```
PARM(' [PERIOD(period)]. ')
```

where:

period = The name of a PERIODEF definition.

The STATDEF is installed in each active CICS system in the current scope that has Real Time Analysis active. If provided, the PERIODEF is used to determine the valid operational time of the STATDEF.

#### External resource name

CICSRTAStatusDefinition

#### Length

192

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt3516

*Table 298. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
UPDATE		None	N/A
REMOVE		None	N/A
PERFORM	INSTALL	PERIOD(value)	No
SET		SCOPE(value)	No
	ADDTGRP	ACTIVETIME(value)	No
		RESGROUP(value)	Yes

*Table 299. STATDEF FEEDBACK error codes*

Value	Code	Description
1	STATDEF_INV_DATA	Attribute data invalid
2	STATDEF_REC_NOT_FOUND	Requested resource not found
3	STATDEF_INV_REFERENCE	Attribute references an invalid resource
4	STATDEF_REC_EXISTS	Resource already exists
5	STATDEF_REC_CHANGED	Resource definition already changed
6	STATDEF_INV_RESTYPE	Invalid resource type
21	STATDEF_NONE_INSTALLED	None installed
22	STATDEF_PARTIAL_INSTALL	Partial install
23	STATDEF_NO_ACTIVE_SYSTEMS	No active systems

*Table 300. STATDEF resource table attributes*

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
ACTION	CHAR	CPSM	8	No	DIFF	Action definition name			10
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			33
CHANGEAGENT Input/output valid values	DREPAPI								
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			36
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification			1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			35
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created			34

Table 300. STATDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
DESC	CHAR	CPSM	58	No	DIFF	Description			25
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999	32
FREQ	BINARY	CPSM	4	Yes	AVG	Interval between calls to status program (seconds)	300	1-86400	8
HSENTRY	BINARY	CPSM	4	Yes	AVG	Evaluation count with HS true before event	1	1-9999	15
HSEXIT	BINARY	CPSM	4	Yes	AVG	Evaluation count with HS false before resolution	1	1-9999	21
HWENTRY	BINARY	CPSM	4	Yes	AVG	Evaluation count with HW true before event	1	1-9999	14
HWEXIT	BINARY	CPSM	4	Yes	AVG	Evaluation count with HW false before resolution	1	1-9999	20
LSENTRY	BINARY	CPSM	4	Yes	AVG	Evaluation count with LS true before event	1	1-9999	12
LSEXIT	BINARY	CPSM	4	Yes	AVG	Evaluation count with LS false before resolution	1	1-9999	18
LWENTRY	BINARY	CPSM	4	Yes	AVG	Evaluation count with LW true before event	1	1-9999	13
LWEXIT	BINARY	CPSM	4	Yes	AVG	Evaluation count with LW false before resolution	1	1-9999	19
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name			7
STATPGM	CHAR	CPSM	8	No	DIFF	Status program name			9
TRANID	CHAR	CPSM	4	No	DIFF	Transaction ID for task			24
USERID	CHAR	CPSM	8	No	DIFF	User ID for task			23
VHSENTRY	BINARY	CPSM	4	Yes	AVG	Evaluation count with VHS true before event	1	1-9999	16
VHSEXIT	BINARY	CPSM	4	Yes	AVG	Evaluation count with VHS false before resolution	1	1-9999	22
VLSENTRY	BINARY	CPSM	4	Yes	AVG	Evaluation count with VLS true before event	1	1-9999	11
VLSEXIT	BINARY	CPSM	4	Yes	AVG	Evaluation count with VLS false before resolution	1	1-9999	17

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## STREAMNM Resource Table

A CICS Resource that describes an MVS log stream used by an active system running CICS Transaction Server and being managed by CICSplex SM.

The **Primary** key field for this resource class is STREAMNAME.

There are no object specific actions for this resource class.

**External resource name**

CICSMVSLogStream

**Length**

160

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0078

*Table 301. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A

*Table 302. STREAMNM resource table attributes*

Name	Datatype	Source	Len	Sum	Set	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved	
AUTODEL	EYUDA	STAT	4	LIKE	No	Auto-delete option	21
AUTODEL Output valid values	YES, NO						
BRWREAD	BINARY	STAT	4	AVG	No	Number of reads from log	13
BRWSTRT	BINARY	STAT	4	AVG	No	Number of log browse starts	12
BUFAPPNDRQ	BINARY	STAT	4	AVG	No	Number of buffer append requests	16
BUFFWAIT	BINARY	STAT	4	AVG	No	Number of waits due to buffer being full	11
BYTES	BINARY	STAT	8	AVG	No	Total number of bytes written	7
CUFWTRS	BINARY	STAT	4	AVG	No	Current number of tasks waiting for buffer flush	8
DASDONLY	EYUDA	STAT	4	LIKE	No	DASD-only option	17
DASDONLY Output valid values	YES, NO						
DELETES	BINARY	STAT	4	AVG	No	Number of log-tail deletes	14
LGGAKPFREQ	BINARY	STAT	4	AVG	Yes	Activity keypoint frequency	26
LGGAKPSTKN	BINARY	STAT	4	AVG	No	Number of activity keypoints taken	28
LGGLGDEFER	BINARY	STAT	4	AVG	Yes	Log deferral interval	27
LGSQUERIES	BINARY	STAT	4	AVG	No	Logstream query count	32
MAXBLK	BINARY	STAT	4	AVG	No	Maximum block size	19
PKFWTRS	BINARY	STAT	4	AVG	No	Peak number of tasks waiting for buffer flush	9
RETPD	BINARY	STAT	4	AVG	No	Data retention period (days)	20
RETRYERRS	BINARY	STAT	4	AVG	No	Number of retryable errors	15
RWRITES	RATE3	CPSM	8	AVG	No	Rate of writes to log	34
STATUS	CVDAS	INQ	4	LIKE	No	Log stream status	3
STATUS Output valid values	OK, FAILED						



Table 302. STREAMNM resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Attr ID
STRCNAME	CHAR	STAT	16	DIFF	No	Coupling facility structure	18
<b>STREAMNAME-1</b>	CHAR	INQ	26	DIFF	No	MVS log stream	1
SYSTEMLOG	CVDAS	INQ	4	LIKE	No	System log indicator	4
SYSTEMLOG Output valid values	SYSLOG, NOSYSLOG						
TFCWAIT	BINARY	STAT	4	AVG	No	Total number of tasks that waited for buffer flush	10
USECOUNT	BINARY	INQ	4	SUM	No	Number of journals and forward recovery logs	5
WRITES	BINARY	STAT	4	AVG	No	Number of write requests	6

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## SYSDUMP Resource Table

A CICS Resource that describes a system dump code in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is SYSDUMPCODE.

The following actions are supported:

**ADD** Add a system dump code.

The parameter data for the ADD action is:

```
PARM('CODE(code) [SCOPE(cvda1)] [MAX(nnn)]
      [SHUT(cvda2)] [SDUMP(cvda3)] [DAE(cvda4)].')
```

where:

- *code* is required and must be the 1- to 8-character system dump code.
- *cvda1* is one of the following valid CVDA values for the dump scope option:  
LOCAL  
RELATED
- *nnn* is the maximum number of dumps, from 0 - 999.
- *cvda2* is one of the following valid CVDA values for the shutdown option:  
SHUTDOWN  
NOSHUTDOWN
- *cvda3* is one of the following valid CVDA values for the system dump option:  
SYSDUMP  
NOSYSDUMP
- *cvda4* is one of the following valid CVDA values for the DAE option:  
DAE  
NODAE

#### DELETE

Remove a system dump code.

#### RESET

Reset system dump code values.

**External resource name**  
CICSSystemDump

**Length**  
56

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**  
Yes

**CMAS context**  
No

**SCOPE applies**  
Yes

**Only query CMASs in workload**  
No

**Object type**  
CICS Resource

**Copybook identifier**  
EYUt0004

Table 303. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM	ADD	CODE(value)	Yes
SET			
		DAE(DAE, NODAE)	No
		MAX(value)	No
		SCOPE(LOCAL, RELATED)	No
		SDUMP(SYSDUMP, NOSYSDUMP)	No
		SHUT(SHUTDOWN, NOSHUTDOWN)	No
	RESET	None	N/A
	DELETE	None	N/A

Table 304. SYSDUMP FEEDBACK error codes

Value	Code	Description
1	SYSDUMP_ADD_FAILED	Add failed

Table 305. SYSDUMP resource table attributes

Name	Datatype	Source	Len	Sum	Set	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved	
CURRENT	BINARY	INQ	4	AVG	No	Number of dump calls since last reset	2
DAEOPTION	CVDAS	INQ	4	LIKE	Yes	Dump analysis and elimination (DAE) option	9
DAEOPTION Input/output valid values	NODAE, DAE						
MAXIMUM	BINARY	INQ	4	AVG	Yes	Maximum number of dumps with this code	3

Table 305. SYSDUMP resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Attr ID
SDMPSUPP	BINARY	STAT	4	AVG	No	Number of system dumps suppressed	7
SDMPTOTL	BINARY	STAT	4	AVG	No	Number of system dumps taken	6
SDUMPSCOPE	CVDAS	INQ	4	LIKE	Yes	System dump scope type	8
SDUMPSCOPE Input/output valid values	LOCAL, RELATED						
SHUTOPTION	CVDAS	INQ	4	LIKE	Yes	Shutdown option	4
SHUTOPTION Input/output valid values	SHUTDOWN, NOSHUTDOWN						
<b>SYSDUMPCODE-1</b>	CHAR	INQ	8	DIFF	No	System dump code	1
SYSDUMPING	CVDAS	INQ	4	LIKE	Yes	System dump option	5
SYSDUMPING Input/output valid values	SYSDUMP, NOSYSDUMP						

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## SYSLINK Resource Table

A CICSplex SM topology definition that describes the endpoints of a communications link between two CICS systems being managed by CICSplex SM. A SYSLINK record is created when connection and sessions definitions (CONNDEF and SESSDEF) or IPIC and TCP/IP definitions (IPCONDEF and TCPDEF) are installed in one of the CICS systems. That information is used to create a link to the other CICS system.

The **Primary** key field for this resource class is FROMCSYS.

The **Secondary** key field for this resource class is TOCSYS.

The **Tertiary** key field for this resource class is CONNDEF.

The **Fourth** key field for this resource class is CONNDEFVER.

The **Fifth** key field for this resource class is SESSDEF.

The **Sixth** key field for this resource class is SESSDEFVER.

The **Seventh** key field for this resource class is LINKTYPE.

The following actions are supported:

#### INSTALL

Install a System Link.

The parameter data for the INSTALL action is:

```
PARM(' [NOTIFY(notify)]
      [STATECHK(statechk)]
      [FORCEINS(forceins)].')
```

where:

notify     = Type of checking to be performed before install.

statechk = Whether the existence and operational state of each resource should be checked before install.  
 forceins = Whether definitions should be installed even if CICSplex SM believes they do not need to be.

**External resource name**  
 CICSSystemLink

**Length**  
 80

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**  
 No

**CMAS context**  
 No

**SCOPE applies**  
 No

**Only query CMASs in workload**  
 No

**Object type**  
 CICSplex SM Definition

**Copybook identifier**  
 EYUt4610

Table 306. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A
PERFORM	INSTALL	FORCEINS(YES, NO)	No
SET		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		STATECHK(YES, NO)	No

Table 307. SYSLINK FEEDBACK error codes

Value	Code	Description
1	SYSLINK_INV_DATA	Attribute data invalid
2	SYSLINK_REC_NOT_FOUND	Requested resource not found
4	SYSLINK_REC_EXISTS	Resource already exists
6	SYSLINK_INV_RESTYPE	Invalid resource type
7	SYSLINK_INV_VER	Invalid resource version
11	SYSLINK_NON_MP	Maintenance point CMAS not available
12	SYSLINK_INV_CONTEXT	Context not found
21	SYSLINK_INV_RECADDR	Invalid record address
22	SYSLINK_INV_RECLEN	Invalid record length
23	SYSLINK_INV_ACTION	Invalid action
24	SYSLINK_LOGICAL_DUP	Logical duplicate
25	SYSLINK_INV_MAJNAME	Invalid major name
26	SYSLINK_INV_MINNAME	Invalid minor name
27	SYSLINK_INV_QUALNAME	Invalid qualifier name
28	SYSLINK_INV_FORTHNAME	Invalid session definition name
29	SYSLINK_NOTIFY	Notify

Table 307. SYSLINK FEEDBACK error codes (continued)

Value	Code	Description
30	SYSLINK_PARTIAL_INSTALL	Partial install
31	SYSLINK_NOTHING_INSTALLED	Nothing installed
32	SYSLINK_NO_ACTIVE_SYSTEMS	No active systems
33	SYSLINK_INV_NAMELIST	Invalid name list
34	SYSLINK_INV_NOTIFY	Invalid notify
35	SYSLINK_INV_FORCEINS	Invalid force install
36	SYSLINK_INV_STATECHK	Invalid state check
37	SYSLINK_INV_LINKTYPE	Invalid link type

Table 308. SYSLINK resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent		15
CHANGEAGENT Input/output valid values	DREPAPI							
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release		18
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification		1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID		17
<b>CONNDEF-3</b>	CHAR	CPSM	8	Yes	DIFF	Primary Connection definition name		9
<b>CONNDEFVER-4</b>	BINARY	CPSM	1	Yes	AVG	Primary connection definition version		11
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created		16
<b>FROMCSYS-1</b>	CHAR	CPSM	8	Yes	DIFF	Primary CICS system name		5
<b>LINKTYPE-7</b>	EYUDA	CPSM	4	Yes	LIKE	Connection resource type	SNA	14
LINKTYPE-7 Input/output valid values	SNA, IPIC							
<b>SESSDEF-5</b>	CHAR	CPSM	8	Yes	DIFF	Secondary connection definition name		10
<b>SESSDEFVER-6</b>	BINARY	CPSM	1	Yes	AVG	Secondary connection definition version		12
<b>TOCSYS-2</b>	CHAR	CPSM	8	Yes	DIFF	Secondary CICS system name		7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## SYSPARM Resource Table

A CICS Resource that describes a system initialization parameter or a system initialization parameter override in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is KEYWORD.

The **Secondary** key field for this resource class is SEGNUM.

For system initialization parameter values greater than 255 bytes, the value is split across multiple SYSPARM records. Each of the records making up the same parameter value is referred to as a segment and has a segment number referenced by the SEGNUM attribute.

The following action is supported:

**GET** Get a parameter from a specified source table. Only SYSPARM records from CICS regions at Version 4.1 or higher are returned by this command.

**External resource name**  
CICSSystemParameter

**Length**  
328

**Usage** API or WUI or CICS Management Client Interface

**API view**  
Yes

**CMAS context**  
No

**SCOPE applies**  
Yes

**Only query CMASs in workload**  
No

**Object type**  
CICS Resource

**Copybook identifier**  
EYUt0197

Table 309. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		PARMSRCE(TABLE, CONSOLE, SYSIN, JCL, COMBINED)	No
		PARMTYPE(SIT)	No

Table 310. SYSPARM FEEDBACK error codes

Value	Code	Description
1	SYSPARM_INVALID_SOURCE	Invalid source parameter
2	SYSPARM_INVALID_TYPE	Invalid type parameter
3	SYSPARM_INVALID_NAME	Unknown keyword name

Table 311. SYSPARM resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
<b>KEYWORD-1</b>	CHAR	INQ	32	DIFF	Keyword name	1
<b>SEGNUM-2</b>	BINARY	INQ	4	MAX	Record segment number	5
SEGTOT	BINARY	INQ	4	MAX	Total segment number	6
SOURCE	EYUDA	INQ	4	LIKE	Source of system parameter	3
SOURCE Output valid values	TABLE, CONSOLE, SYSIN, JCL, COMBINED					
TOTALLEN	BINARY	INQ	4	MAX	Total value length	7
TYPE	EYUDA	INQ	4	LIKE	Type of system parameter	2
TYPE Output valid values	SIT					
VALUE	CHAR	INQ	255	DIFF	Keyword value	8
VALUELEN	BINARY	INQ	4	MAX	Keyword value length	4

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## SYSRES Resource Table

A CPSM Business Application Services Manager object that describes the set of CICS Definitions to be installed in a CICS system.

This object is referenced within the scope of a CICSplex and CICS system. As such, the CICS system must be explicitly identified in the API GET command PARM option by coding the following text string:

**APAR PQ30578**

Documentation for APAR PQ30578 addedd 18/04/2000

```
PARM('CICSSYS(sysname).')
```

where:

sysname = (Required) The name of a CICSplex SM managed CICS system.

The CICS system name is required.

The **Primary** key field for this resource class is RESDEF.

The **Secondary** key field for this resource class is RDEFTYPE.

The **Tertiary** key field for this resource class is RESDESC.

The **Fourth** key field for this resource class is REFDEF.

The **Fifth** key field for this resource class is CICSSYS.

There are no object specific actions for this resource class.

**External resource name**

CICSResourceBySystem

**Length**

88

**Usage** API or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**  
CICSplex SM Manager

**Copybook identifier**  
EYUt2611

Table 312. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	Yes

Table 313. SYSRES FEEDBACK error codes

Value	Code	Description
21	SYSRES_CICSSYS_NOT_FOUND	CICS system not found

Table 314. SYSRES resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
ALIAS	CHAR	CPSM	8	DIFF	Alias for remote definition	16
<b>CICSSYS-5</b>	CHAR	CPSM	8	DIFF	CICS system name	4
DEFVER	BINARY	CPSM	1	AVG	Resource definition version	12
MODE	EYUDA	CPSM	4	LIKE	Resource usage qualifier	11
MODE Output valid values	AUTO, DYNAM, EXTRA, INTRA, IND, STAT					
<b>RDEFTYPE-2</b>	CHAR	CPSM	8	DIFF	Resource definition type	6
<b>REFDEF-4</b>	CHAR	CPSM	8	DIFF	Referenced definition name	13
REFTYPE	CHAR	CPSM	8	DIFF	Referenced definition type	15
REFVER	CHAR	CPSM	2	DIFF	Referenced definition version	14
RESASSGN	CHAR	CPSM	8	DIFF	Resource assignment name	8
<b>RESDEF-1</b>	CHAR	CPSM	8	DIFF	Resource definition name	5
<b>RESDESC-3</b>	CHAR	CPSM	8	DIFF	Resource description name	7
RESGROUP	CHAR	CPSM	8	DIFF	Resource group name	9
USAGE	EYUDA	CPSM	4	LIKE	Resource usage type	10
USAGE Output valid values	LOCAL, REMOTE, ASIS					

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TAPEJRNL Resource Table

A CICS Resource that describes a tape journal in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is JOURNALNUM.

The following actions are supported:

**ADVANCE**

Advance a tape journal.

**CLOSE**

Close a tape journal.

**LEAVE**

Close and leave a tape journal position.



**OPEN**

Open a tape journal.

These actions require no unique parameter data.

**External resource name**

**Length**

64

**Usage** EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0015

Table 315. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM	ADVANCE	None	N/A
SET			
	CLOSE	None	N/A
	LEAVE	None	N/A
	OPEN	None	N/A

Table 316. TAPEJRNL resource table attributes

Name	Datatype	Source	Len	Sum	Set	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved	
AVGSIZE	BINARY	STAT	2	AVG	No	Average block size	2
BLKWRCNT	DECIMAL	STAT	4	AVG	No	Number of blocks written	10
BUFULLCNT	DECIMAL	STAT	3	AVG	No	Number of times buffer was full	12
CURVOL	CHAR	INQ	6	DIFF	No	Current volume	7
<b>JOURNALNUM-1</b>	BINARY	INQ	2	AVG	No	Journal number	1
LASTVOL	CHAR	STAT	6	DIFF	No	Last volume written	6
OLDPART	CNUMERIC	INQ	4	AVG	No	Serial number of first tape in journal	5
OPENSTATUS	CVDAS	INQ	4	LIKE	Yes	Open status	4
OPENSTATUS Input/output valid values	OPENOUTPUT, CLOSED						
OPENSTATUS Input valid values	ADVANCE, CLOSELEAVE						
RECWRCNT	DECIMAL	STAT	5	AVG	No	Number of records written	11
TAPESLFT	BINARY	STAT	2	AVG	No	Number of tapes left	9

Table 316. TAPEJRNL resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Attr ID
TAPESOPEN	BINARY	STAT	2	AVG	No	Number of tapes opened	8
TYPE	CVDAS	INQ	4	LIKE	No	Journal type	3
TYPE Output valid values	TAPE1, TAPE2						

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TASKASSC Resource Table

A CICSplex SM definition that, in a TCP/IP network, provides information about the tasks that make up a set of interrelated transactions. The interrelated tasks have the same transaction group ID and thus the records are organized by transaction group ID. You can filter the records using a substring of the user correlation data that has been added (by a CICS XAPADMGR global user exit program) to the user data section of the task's associated data origin descriptor.

The **Primary** key field for this resource class is TASKID.

The following actions are supported:

**GET** Retrieve the TASKASSC records for a specified task or transaction group ID.

**External resource name**  
CICSTaskAssociation

**Length**  
1584

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**  
Yes

**CMAS context**  
No

**SCOPE applies**  
Yes

**Only query CMASs in workload**  
No

**Object type**  
CICS Resource

**Copybook identifier**  
EYUt0169

Table 317. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 318. TASKASSC resource table attributes

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name		
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release		
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved		
ACAPPLNAME	CHAR	INQ	64	LIKE	Current Application Name	E640 E650 E660 E670	57
ACMAJORVER	BINARY	INQ	4	MAX	Current Application Major Version	E640 E650 E660 E670	60
ACMICROVER	BINARY	INQ	4	MAX	Current Application Micro Version	E640 E650 E660 E670	62
ACMINORVER	BINARY	INQ	4	MAX	Current Application Minor Version	E640 E650 E660 E670	61
ACOPERNAME	CHAR	INQ	64	LIKE	Current Application Operation	E640 E650 E660 E670	59
ACPLATNAME	CHAR	INQ	64	LIKE	Current Platform	E640 E650 E660 E670	58
APPLDATA	CHAR	INQ	40	DIFF	Socket application data		11
APPLID	CHAR	INQ	8	DIFF	Application ID		12
CLIENTIPADDR	CHAR	INQ	39	DIFF	Client IP address		35
CLIENTLOC	CHAR	INQ	32	DIFF	Cluster connection type	E640 E650	40
CLIENTPORT	BINARY	INQ	4	DIFF	TCP/IP stack port number		13
CLNTIPFAMILY	CVDAS	INQ	4	LIKE	Client IP address format	E640 E650	42
CLNTIPFAMILY Output valid values	IPv4, IPv6, NOTAPPLIC						
DNAME	HEX	INQ	246	DIFF	Distinguished name	E640 E650	43
FACILNAME	CHAR	INQ	8	DIFF	Facility name		17
FACILTYPE	CVDAS	INQ	4	LIKE	Facility type		5
FACILTYPE Output valid values	NONE, TERMINAL, TRANDATA, START, STARTTERM, SCHEDULER, XMRUNTRAN, BRIDGE, SOCKET, WEB, RRSUR, LU61, APPC, MRO, IIOP, IPIC, RZINSTOR, IPECL, UNKNOWN, EVENT, JVMSERVER						
INITUSERID	CHAR	INQ	8	DIFF	User ID of initiating task	E680+	14
IPCONN	CHAR	INQ	8	DIFF	IPCONN resource		15
IPFAMILY	CVDAS	INQ	4	LIKE	Server IP address format		6
IPFAMILY Output valid values	IPv4, IPv6, NOTAPPLIC						
LUNAME	CHAR	INQ	8	DIFF	VTAM LU name		16
MVSIMAGE	CHAR	INQ	8	DIFF	MVS image		18
NETID	CHAR	INQ	8	DIFF	Network ID		33
ODAPPLID	CHAR	INQ	8	DIFF	Originating Application ID		19
ODAPTRDATA1	CHAR	INQ	64	MAX	Originating adapter data 1	E640 E650 E660	54
ODAPTRDATA2	CHAR	INQ	64	MAX	Originating adapter data 2	E640 E650 E660	55

Table 318. TASKASSC resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
ODAPTRDATA3	CHAR	INQ	64	MAX	Originating adapter data 3	E640 E650 E660	56
ODAPTRID	CHAR	INQ	64	MAX	Originating adapter ID	E640 E650 E660	53
ODCLNTIPADDR	CHAR	INQ	39	DIFF	Originating client IP address		36
ODCLNTPORT	BINARY	INQ	4	DIFF	Originating portnumber		3
ODFACILNAME	CHAR	INQ	8	DIFF	Originating facility name		20
ODFACILTYPE	CVDAS	INQ	4	LIKE	Originating facility type		4
ODFACILTYPE Output valid values	NONE, TERMINAL, TRANDATA, START, STARTTERM, SCHEDULER, XMRUNTRAN, BRIDGE, SOCKET, WEB, RRSUR, LU61, APPC, MRO, IIOP, IPIC, RZINSTOR, IPECI, UNKNOWN, EVENT, JVMSERVER						
ODIPFAMILY	CVDAS	INQ	4	LIKE	Originating client IP address format		7
ODIPFAMILY Output valid values	IPV4, IPV6, NOTAPPLIC						
ODLUNAME	CHAR	INQ	8	DIFF	Originating VTAM LU name		21
ODNETID	CHAR	INQ	8	DIFF	Originating network ID		34
ODNETWORKID	CHAR	INQ	8	DIFF	Originating network ID		32
ODSERVERPORT	BINARY	INQ	4	MAX	Originating server port	E640 E650 E660 E670 E680 E690	63
ODSTARTTIME	TIMESTP	INQ	8	MIN	Originating task start time		10
ODSTARTTM	CHAR	INQ	21	MIN	Originating task start time		39
ODTASKID	DECIMAL	INQ	4	MIN	Originating task ID		22
ODTCPIPS	CHAR	INQ	8	DIFF	Originating TCP/IP service name	E640 E650 E660 E670 E680 E690	64
ODTRANSID	CHAR	INQ	4	DIFF	Originating transaction ID		23
ODUSERID	CHAR	INQ	8	DIFF	Originating user ID		24
PHAPPLID	CHAR	INQ	8	DIFF	Previous hop applid	E640 E650 E660	45
PHCOUNT	BINARY	INQ	4	MAX	Previous hop count	E640 E650 E660	52
PHNETWORKID	CHAR	INQ	8	DIFF	Previous hop network qualifier	E640 E650 E660	46
PHSTARTTIME	TIMESTP	INQ	8	MIN	Previous hop task start time	E640 E650 E660	51
PHSTARTTM	CHAR	INQ	21	DIFF	Previous hop task start time	E640 E650 E660	48
PHTASKID	DECIMAL	INQ	4	MIN	Previous hop task ID	E640 E650 E660	50
PHTRANSID	CHAR	INQ	4	DIFF	Previous hop transaction ID	E640 E650 E660	47
PROGRAM	CHAR	INQ	8	DIFF	First program		25
REALM	HEX	INQ	255	DIFF	Basic authentication realm name	E640 E650	44

Table 318. TASKASSC resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
SERVERIPADDR	CHAR	INQ	39	DIFF	Scheduling IP server		37
SERVERPORT	BINARY	INQ	4	DIFF	Server listening port		8
STARTTIME	TIMESTP	INQ	8	MIN	Task start time		9
STARTTM	CHAR	INQ	21	MIN	Task start time		38
<b>TASKID-1</b>	DECIMAL	INQ	4	MIN	Task ID		1
TCPIPJOB	CHAR	INQ	8	DIFF	TCP/IP job		26
TCPIPSERVICE	CHAR	INQ	8	DIFF	TCP/IP service name		27
TCPIPZONE	CHAR	INQ	8	DIFF	TCP/IP network security zone		28
TRANSACTION	CHAR	INQ	4	DIFF	Transaction ID		29
TRNGRPID	HEX	INQ	28	DIFF	Transaction group ID		2
USERCORRDATA	CHAR	INQ	64	DIFF	User correlation data		30
USERID	CHAR	INQ	8	DIFF	User ID		31

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TASKESTG Resource Table

A CICS Resource that describes a CICS storage element for a task.

The **Primary** key field for this resource class is TASK.

The **Secondary** key field for this resource class is ELEMENTADDR.

There are no object specific actions for this resource class.

**External resource name**

CICSTaskStorage

**Length**

40

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0144

Table 319. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 320. TASKESTG resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
DSANAME	CHAR	STAT	8	DIFF	DSA name	3
<b>ELEMENTADDR-2</b>	HEX	INQ	4	MAX	Storage element address	2
ELEMENTLEN	BINARY	INQ	4	AVG	Element length	4
<b>TASK-1</b>	DECIMAL	INQ	4	MAX	Task number	1

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TASKFILE Resource Table

A CICS Resource that describes tasks and the CICS files they have used in an active system being managed by CICSplex SM. Note that for these records to be available, the MAS must be running with the SIT parameter MNRES=ON, and be using an MCT that specifies a value for FILE greater than 0 on the DFHMCT TYPE=INITIAL macro.

The **Primary** key field for this resource class is MNRTASKNO.

The **Secondary** key field for this resource class is MNRNAME.

There are no object specific actions for this resource class.

**External resource name**

CICSTaskFileUsage

**Length**

176

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**  
EYUt0115

*Table 321. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A

*Table 322. TASKFILE resource table attributes*

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
DSNAME	CHAR	INQ	44	DIFF	Data set name	8
FCAMCNT	BINARY	STAT	4	AVG	Number of access method calls	9
MNRADD	SCLOCK	STAT	8	AVG	ADD request time and count	14
MNRBRWSE	SCLOCK	STAT	8	AVG	BROWSE request time and count	10
MNRCFDTIOWT	SCLOCK	STAT	8	AVG	CFDT I/O wait time and count	18
MNRDEL	SCLOCK	STAT	8	AVG	DELETE request time and count	12
MNRFILELIMIT	EYUDA	STAT	4	LIKE	File limit exceeded	21
MNRFILELIMIT Output valid values	YES, NO					
MNRGET	SCLOCK	STAT	8	AVG	READ request time and count	11
MNRLOWT	SCLOCK	STAT	8	AVG	File I/O wait time and count	16
<b>MNRNAME-2</b>	CHAR	STAT	8	DIFF	File ID	7
MNRPUT	SCLOCK	STAT	8	AVG	WRITE request time and count	13
MNRRLSIOWT	SCLOCK	STAT	8	AVG	RLS I/O wait time and count	17
MNRSTART	TIMESTP	STAT	8	MAX	Task start time	20
<b>MNRTASKNO-1</b>	DECIMAL	STAT	4	AVG	Task ID	5
MNRTOTAL	SCLOCK	STAT	8	AVG	Total request time and count	15
MNRTRANID	CHAR	STAT	4	DIFF	Transaction ID	6
MNRUSERID	CHAR	STAT	8	DIFF	User ID	19

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TASKRMI Resource Table

A CICS Resource that describes tasks and the use they have made of the CICS Resource Manager Interface in an active system being managed by CICSplex SM. Note that for these records to be available, the MAS must be running with MNPER=YES, and be using an MCT that specifies RMI=YES on the DFHMCT TYPE=INITIAL macro.

The **Primary** key field for this resource class is TASKID.

There are no object specific actions for this resource class.

**External resource name**

CICSTaskRMIUsage

**Length**

216

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0145

*Table 323. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		INCL_QUEUED(YES, NO)	No

*Table 324. TASKRMI resource table attributes*

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
CPUTIME	SCLOCK12	CMF	12	MAX	User task CPU time	17
DISPTIME	SCLOCK12	CMF	12	MAX	User task dispatch time	16
RESPTIME	INTTSTP	CPSM	8	MAX	Task response time	15
RMICPSMTIME	SCLOCK12	CMF	12	MAX	CICSplex SM RMI elapsed time	8
RMIDB2TIME	SCLOCK12	CMF	12	MAX	DB2 RMI elapsed time	4
RMIDBCTLTIME	SCLOCK12	CMF	12	MAX	DBCTL RMI elapsed time	5
RMIEXECDLTM	SCLOCK12	CMF	12	MAX	DL/I RMI elapsed time	6
RMIMQSERIEST	SCLOCK12	CMF	12	MAX	MQSeries RMI elapsed time	7
RMIOThERTIME	SCLOCK12	CMF	12	MAX	Total other elapsed time	3
RMITCPIPTIME	SCLOCK12	CMF	12	MAX	TCP/IP Sockets RMI elapsed time	9
RMITIME	SCLOCK12	CMF	12	MAX	Total RMI elapsed time	1
RMITOTALTIME	SCLOCK12	CMF	12	MAX	Total RMI elapsed time at last statistics interval	2
START	TIMESTP	CMF	8	MAX	Task start time	13
STOP	TIMESTP	CMF	8	MAX	Task stop time	14
SUSPTIME	SCLOCK12	CMF	12	MAX	Task suspend time	18
<b>TASKID-1</b>	DECIMAL	INQ	4	MAX	Task ID	11
TRANID	CHAR	INQ	4	DIFF	Transaction ID	10
USERID	CHAR	INQ	8	DIFF	User ID	12
WAITTIME	SCLOCK12	CMF	12	MAX	Dispatch wait time	19

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.



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## TASK Resource Table

This CICS resource describes a task in an active CICS system that is being managed by CICSplex SM.

The **Primary** key field for this resource class is TASK.

When used in an evaluation definition (EVALDEF), you might want to limit the evaluation to include only those tasks for which a specific transaction is associated. To do so, include the TRANID attribute in the evaluation filter expression; for example, TRANID=TRN1.

The following actions are supported:

### PURGE

Purge a task.

The parameter data for the PURGE action is:

```
PARM('PURGETYPE(cvda).')
```

where *cvda* is required and is a valid CVDA value for the type of operation.

Valid CVDA values for the PURGE action are PURGE, FORCEPURGE, and KILL. For example:

```
PARM('PURGETYPE(FORCEPURGE).')
```

.

### FORCEPURGE

Force purge a task.

There are no parameters for the FORCEPURGE action.

### KILL Kill a task.

There are no parameters for the KILL action.

**Note:** The KILL action can lead to unpredictable results and should be used only in exceptional circumstances.

### External resource name

CICSTask

### Length

3640

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

### API view

Yes

### CMAS context

No

### SCOPE applies

Yes

### Only query CMASs in workload

No

### Object type

CICS Resource

**Copybook identifier**  
EYUt0020

*Table 325. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		INCL_QUEUED(YES, NO)	No
SET		None	N/A
PERFORM	PURGE	TYPE(PURGE, FORCEPURGE, KILL)	Yes
SET			
	FORCEPURGE	None	N/A
	KILL	None	N/A

*Table 326. TASK resource table attributes*

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name		
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release		
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved		
ABCODEC	CHAR	CMF	4	DIFF	No	Current ABEND code		23
ABCODEO	CHAR	CMF	4	DIFF	No	Original ABEND code		22
ACAPPLNAME	CHAR	CMF	64	LIKE	No	Initial Application Name	E640 E650 E660 E670	451
ACMAJORVER	BINARY	CMF	4	MAX	No	Initial Application Major Version	E640 E650 E660 E670	454
ACMICROVER	BINARY	CMF	4	MIN	No	Initial Application Micro Version	E640 E650 E660 E670	456
ACMINORVER	BINARY	CMF	4	MAX	No	Initial Application Minor Version	E640 E650 E660 E670	455
ACOPERNAME	CHAR	CMF	64	LIKE	No	Initial Application Operation	E640 E650 E660 E670	453
ACPLATNAME	CHAR	CMF	64	LIKE	No	Initial Platform	E640 E650 E660 E670	452
ACTVTYID	HEX	INQ	52	MIN	No	BTS activity ID		186
ACTVTYNM	CHAR	INQ	16	DIFF	No	BTS activity name		185
ALLOCATES	BINARY	CMF	4	AVG	No	Number of ALLOCATE requests		32
APPLNAMEPROG	CHAR	STAT	8	DIFF	No	Application name - program		269
APPLNAMETRAN	CHAR	STAT	4	DIFF	No	Application name - transaction		268
ATTACHTIME	DATETIME	INQ	8	MAX	No	Task attach time		158
BAACDCCT	BINARY	CMF	4	AVG	No	BTS activity data container requests		199
BAACQPCT	BINARY	CMF	4	AVG	No	BTS acquire requests		196
BADACTCT	BINARY	CMF	4	AVG	No	BTS define activity requests		191
BADCPACT	BINARY	CMF	4	AVG	No	BTS delete activity and cancel requests		195
BADFIECT	BINARY	CMF	4	AVG	No	BTS define input event requests		202
BADPROCT	BINARY	CMF	4	AVG	No	BTS define process requests		190

Table 326. TASK resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
BALPACT	BINARY	CMF	4	AVG	No	BTS link requests		189
BAPRDCCT	BINARY	CMF	4	AVG	No	BTS process data container requests		198
BARASYCT	BINARY	CMF	4	AVG	No	BTS run asynchronous requests		188
BARATECT	BINARY	CMF	4	AVG	No	BTS retrieve reattach event requests		201
BARMPACT	BINARY	CMF	4	AVG	No	BTS resume requests		194
BARSPACT	BINARY	CMF	4	AVG	No	BTS reset requests		192
BARSYNCT	BINARY	CMF	4	AVG	No	BTS run synchronous requests		187
BASUPACT	BINARY	CMF	4	AVG	No	BTS suspend requests		193
BATIAECT	BINARY	CMF	4	AVG	No	BTS timer associated event requests		203
BATOTCCT	BINARY	CMF	4	AVG	No	BTS total data container requests		200
BATOTECT	BINARY	CMF	4	AVG	No	BTS total event requests		204
BATOTPCT	BINARY	CMF	4	AVG	No	BTS total requests		197
BMSCOUNT	BINARY	CMF	4	AVG	No	Total number of BMS requests		72
BMSINCNT	BINARY	CMF	4	AVG	No	Number of BMS map in requests		70
BMSMAPCNT	BINARY	CMF	4	AVG	No	Number of BMS map requests		69
BMSOUTCNT	BINARY	CMF	4	AVG	No	Number of BMS map out requests		71
BRDGTRAN	EYUDA	CMF	4	LIKE	No	Transaction ID as started by bridge		166
BRDGTRAN Output valid values	YES, NO							
BRIDGE	CHAR	INQ	4	DIFF	No	Bridge transaction ID		163
BRTOKEN	HEX	INQ	8	DIFF	No	3270 Bridge Facility Token		247
BTECOMP	EYUDA	CPSM	4	LIKE	No	Workload manager begin-to-end phase complete		315
BTECOMP Output valid values	YES, NO							
CDSAGETM	BINARY	CMF	4	AVG	No	Number of GETMAIN requests in CDSA		36
CDSAPSHWM	BINARY	CMF	4	AVG	No	Maximum program storage in CDSA		52
CDSASHWM	BINARY	CMF	4	AVG	No	Peak number of bytes used by task in CDSA		40
CDSASOCC	BINARY	CMF	8	AVG	No	Average CDSA storage usage		44
CECMCHTP	CHAR	CMF	4	DIFF	No	CEC machine type		440
CECMDLID	CHAR	CMF	16	DIFF	No	CEC model number		441
CFDTWAIT	SCLOCK12	CMF	12	MAX	No	CFDT wait time		179
CHARIN	BINARY	CMF	4	AVG	No	Number of Primary TC characters received		25
CHARINSEC	BINARY	CMF	4	AVG	No	Number of Secondary TC characters received		29
CHAROUT	BINARY	CMF	4	AVG	No	Number of Primary TC characters sent		27
CHAROUTSEC	BINARY	CMF	4	AVG	No	Number of Secondary TC characters sent		31
CHMODECT	BINARY	CMF	4	AVG	No	Number of CICS dispatcher change modes	E640+	234
CICSWAIT	SCLOCK12	CMF	12	MAX	No	CICS event wait time		169
CLIPADDR	CHAR	CMF	40	DIFF	No	Client IP address		241
CMDSEC	CV DAS	INQ	4	LIKE	No	Command level security status		93

Table 326. TASK resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
CMDSEC Output valid values	CMDSECNO, CMDSECYES							
CONTROLWAIT	SCLOCK12	CMF	12	MAX	No	Give-up-control wait time		171
CORREUOW	HEX	CMF	23	MIN	No	Correlation UOW id		340
CPUTIME	SCLOCK12	CMF	12	MAX	No	User task CPU time		80
CPUTONCP	SCLOCK12	CMF	12	MAX	No	Total CPU time on a CP	E640 E650 E660 E670	457
CURRENTPROG	CHAR	INQ	8	DIFF	No	Current program being executed		270
CURTASKS	BINARY	CMF	4	AVG	No	Current tasks		439
DB2CONWT	SCLOCK12	CMF	12	MAX	No	DB2 Connection (TCB) wait time		221
DB2PLAN	CHAR	INQ	8	DIFF	No	DB2 plan name		178
DB2RDYQW	SCLOCK12	CMF	12	MAX	No	DB2 ReadyQ wait time		220
DB2REQCT	BINARY	CMF	4	AVG	No	Total number of DB2 requests		233
DB2WAIT	SCLOCK12	CMF	12	MAX	No	DB2 request wait time	E680+	222
DETTRANSTYPE	EYUDA	CPSM	4	LIKE	No	Transaction type details		314
DETTRANSTYPE Output valid values	NONE, SYSTEM, MIRROR, DPL, ONCRPC, WEB, BRIDGE, CICSPTS							
DFHCHNL329	BINARY	STAT	8	AVG	No	Current container storage allocated to task.	E640	382
DFH SOCK292	BINARY	STAT	4	AVG	No	Non-persistent sockets		266
DFH SOCK293	BINARY	STAT	4	AVG	No	Persistent sockets		267
DFHSTOR033	BINARY	STAT	4	AVG	No	Task storage UDSA		253
DFHSTOR087	BINARY	STAT	4	AVG	No	Program storage - Total		257
DFHSTOR106	BINARY	STAT	4	AVG	No	Task storage EUDSA		254
DFHSTOR108	BINARY	STAT	4	AVG	No	Program storage - Below		259
DFHSTOR116	BINARY	STAT	4	AVG	No	Task storage CDSA		255
DFHSTOR119	BINARY	STAT	4	AVG	No	Task storage ECDSA		256
DFHSTOR122	BINARY	STAT	4	AVG	No	Program storage - ERDSA		262
DFHSTOR139	BINARY	STAT	4	AVG	No	Program storage - Above		258
DFHSTOR142	BINARY	STAT	4	AVG	No	Program storage - ECDSA		260
DFHSTOR143	BINARY	STAT	4	AVG	No	Program storage - CDSA		261
DFHSTOR160	BINARY	STAT	4	AVG	No	Program storage - SDSA		265
DFHSTOR161	BINARY	STAT	4	AVG	No	Program storage - ESDSA		264
DFHSTOR162	BINARY	STAT	4	AVG	No	Program storage - RDSA		263
DFHSTOR442	BINARY	STAT	4	AVG	No	Task Storage - GCDSA	E640 E650 E660 E670	460
DFHSTOR444	BINARY	STAT	4	AVG	No	Task Storage - GUDSA	E640 E650 E660 E670	461
DFHTASK252	BINARY	STAT	4	AVG	No	Current CICS dispatcher TCBs		376
DHCRECT	BINARY	CMF	4	AVG	No	Number of Document Create requests		213
DHINSCT	BINARY	CMF	4	AVG	No	Number of Document Insert requests		214
DHRETCT	BINARY	CMF	4	AVG	No	Number of Document Retrieve requests		216
DHSETCT	BINARY	CMF	4	AVG	No	Number of Document Set requests		215

Table 326. TASK resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
DHTOTCT	BINARY	CMF	4	AVG	No	Total number of Document requests		217
DHTOTDCL	BINARY	CMF	4	AVG	No	Total length of documents created		218
DISPTIME	SCLOCK12	CMF	12	MAX	No	User task dispatch time		79
DSAPTHWT	SCLOCK12	STAT	12	AVG	No	Dispatcher allocate pthread wait time	E640 E650 E660 E670 E680 E690	472
DSPDELAY	SCLOCK12	CMF	12	MAX	No	First dispatch delay time		131
DTB	CV DAS	INQ	4	LIKE	No	Dynamic transaction backout option		94
DTB Output valid values	NOTSUPPORTED, WAIT, COMMIT, BACKOUT							
DTIMEOUT	BINARY	INQ	4	AVG	No	Deadlock timeout (seconds)		95
DUMPING	CV DAS	INQ	4	LIKE	No	Transaction dump option		96
DUMPING Output valid values	TRAN DUMP, NOTRAN DUMP							
ECDSAGETM	BINARY	CMF	4	AVG	No	Number of GETMAIN requests in ECDSA		37
ECDSAPSHWM	BINARY	CMF	4	AVG	No	Maximum program storage in ECDSA		51
ECDSASHWM	BINARY	CMF	4	AVG	No	Peak number of bytes used by task in ECDSA		41
ECDSASOCC	BINARY	CMF	8	AVG	No	Average ECDSA storage usage		45
ENQDELAY	SCLOCK12	CMF	12	MAX	No	Delay time for enqueue		134
EXECOMP	EYUDA	CPSM	4	LIKE	No	Workload manager execution phase complete		316
EXECOMP Output valid values	YES, NO							
EXTERNWAIT	SCLOCK12	CMF	12	MAX	No	External wait time		168
EXWAIT	SCLOCK12	CMF	12	MAX	No	Exception wait time		83
FACILITY	CHAR	INQ	4	DIFF	No	Principal facility		2
FACILITYTYPE	CV DAS	INQ	4	LIKE	No	Facility type		3
FACILITYTYPE Output valid values	TERM, DEST, TASK							
FCADDCNT	BINARY	CMF	4	AVG	No	Number of file control WRITE requests		57
FCAMCNT	BINARY	CMF	4	AVG	No	Number of file control access method requests		60
FCBRWCNT	BINARY	CMF	4	AVG	No	Number of file control browse requests		56
FCCOUNT	BINARY	CMF	4	AVG	No	Total number of file control requests		59
FCDELCNT	BINARY	CMF	4	AVG	No	Number of file control DELETE requests		58
FCGETCNT	BINARY	CMF	4	AVG	No	Number of file control READ requests		54
FCIOTIME	SCLOCK12	CMF	12	MAX	No	File control I/O wait time		85
FCPUTCNT	BINARY	CMF	4	AVG	No	Number of file control REWRITE requests		55
FCVSWTT	SCLOCK12	CMF	12	MAX	No	File control VSAM string wait time	E640 E650 E660 E670	450

Table 326. TASK resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
FCXCWTT	SCLOCK12	CMF	12	MAX	No	File control exclusive control wait time	E640 E650 E660 E670	449
FIRSTPRGM	CHAR	CMF	8	DIFF	No	First program name		19
GCDSAGETM	BINARY	CMF	4	AVG	No	Number of GETMAIN requests in GCDSA	E640 E650 E660 E670	442
GCDSASHWM	BINARY	CMF	4	AVG	No	Peak number of bytes used by task in GCDSA expressed in 4K pages	E640 E650 E660 E670	443
GNQDELAY	SCLOCK12	CMF	12	MAX	No	Global ENQ delay time		236
GUDSAGETM	BINARY	CMF	4	AVG	No	Number of GETMAIN requests in GUDSA	E640 E650 E660 E670	444
GUDSASHWM	BINARY	CMF	4	AVG	No	Peak number of bytes used by task in GUDSA expressed in 4K pages	E640 E650 E660 E670	445
ICCOUNT	BINARY	CMF	4	AVG	No	Number of interval control starts		77
IDENT	CHAR	INQ	48	DIFF	No	User data provided by the bridge exit		175
IMSREQCT	BINARY	CMF	4	AVG	No	Total number of IMS requests		232
IMSWAIT	SCLOCK12	CMF	12	MAX	No	IMS request wait time		219
INDOUBT	CV DAS	INQ	4	LIKE	No	Transaction in-doubt option		160
INDOUBT Output valid values	BACKOUT, COMMIT							
INDOUBTFAIL	EYUDA	CPSM	4	LIKE	No	Recovery manager UOW indoubt failure		322
INDOUBTFAIL Output valid values	YES, NO							
INDOUBTMINS	BINARY	INQ	4	AVG	No	In-doubt time (minutes)		161
INDOUBTWAIT	CV DAS	INQ	4	LIKE	No	In-doubt wait option		162
INDOUBTWAIT Output valid values	WAIT, NOWAIT							
INTVLC	BINARY	CMF	4	AVG	No	Number of interval control requests		174
INTVLWAIT	SCLOCK12	CMF	12	MAX	No	Interval control delay time		170
IPFACCNT	BINARY	INQ	4	AVG	No	Number of IP facilities associated with task	E640	384
IRIOTIME	SCLOCK12	CMF	12	MAX	No	Inter-region communication I/O wait time		88
ISALWTT	SCLOCK12	STAT	12	AVG	No	Delay time waiting for IPIC session allocation		436
ISOLATEST	CV DAS	INQ	4	LIKE	No	Data isolation type		97
ISOLATEST Output valid values	NOISOLATE, ISOLATE							
J8CPUT	SCLOCK12	CMF	12	MAX	No	J8 TCB mode CPU time	E680+	230
JCIOTIME	SCLOCK12	CMF	12	MAX	No	Journal control I/O wait time		86
JCUSRW CNT	BINARY	CMF	4	AVG	No	Number of journal output requests	E510+	76
JRNLWRITREQ	BINARY	CMF	4	AVG	No	Number of journal write requests		153
JVMSUSP	SCLOCK12	CMF	12	MAX	No	Total Java virtual machine (JVM) suspend time		246

Table 326. TASK resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
JVMTIME	SCLOCK12	CMF	12	MAX	No	Total Java virtual machine (JVM) elapsed time		245
L8CPUT	SCLOCK12	CMF	12	MAX	No	L8 TCB mode CPU time		229
LOCKMGRWAIT	SCLOCK12	CMF	12	MAX	No	Lock manager wait time		167
LOGGRWRITREQ	BINARY	CMF	4	AVG	No	Number of CICS logger write requests		154
LU61WTT	SCLOCK12	CMF	12	MAX	No	LU6.1 I/O wait time		135
LU62WTT	SCLOCK12	CMF	12	MAX	No	LU6.2 I/O wait time		136
LUNAME	CHAR	CMF	8	DIFF	No	VTAM LU name		18
MAXTASKS	BINARY	CMF	4	AVG	No	Maximum tasks		438
MPPRTXCD	BINARY	CMF	4	MAX	No	Policy thresholds exceeded		459
MSCPUT	SCLOCK12	CMF	12	MAX	No	Other TCB mode CPU time		228
MSDISPT	SCLOCK12	CMF	12	MAX	No	Other TCB mode dispatch time		227
MSGIN	BINARY	CMF	4	AVG	No	Number of Primary TC message receives		24
MSGINSEC	BINARY	CMF	4	AVG	No	Number of Secondary TC message receives		28
MSGOUT	BINARY	CMF	4	AVG	No	Number of Primary TC message sends		26
MSGOUTSEC	BINARY	CMF	4	AVG	No	Number of Secondary TC message sends		30
MXTDELAY	SCLOCK12	CMF	12	MAX	No	First dispatch delay time caused by MXT limit		133
MXTOTDLY	SCLOCK12	CMF	12	MAX	No	Maximum delay time on an open TCB		223
NCGETCNT	BINARY	CMF	4	AVG	No	Number of named counter get requests	E640 E650 E660 E670 E680 E690	469
NETNAME	CHAR	CMF	20	DIFF	No	Originating system netname		20
NETUOWID	HEX	CMF	27	MIN	No	Network id of UOW		341
OAPPLID	CHAR	CMF	8	MAX	No	Originating application ID	E640	388
OCLIPADR	CHAR	CMF	40	MAX	No	Originating client IP address	E640	395
OCLIPORT	BINARY	CMF	4	MAX	No	Originating client port number	E640	396
OFCTYNME	CHAR	CMF	8	MAX	No	Originating facility name	E640	398
OFFLCPUT	SCLOCK12	CMF	12	MAX	No	Offload eligible on standard CP	E640 E650 E660 E670	458
ONETWKID	CHAR	CMF	8	MAX	No	Originating network ID	E640	386
OPORTNUM	BINARY	CMF	4	MAX	No	Originating port number	E640	394
ORIGINTYPE	EYUDA	CPSM	4	LIKE	No	Transaction origin type		318
ORIGINTYPE Output valid values	NONE, TERMINAL, TDQUEUE, START, TERMSTART, SCHEDULED, XMRUN, BRIDGE, SOCKET, WEB, IIOP, RRS, LU61, LU62, MRO, ECI, IIRQRECV, RZSTRPT							
OSTART	TIMESTP	CMF	8	MAX	No	Originating start time	E640	387
OTCPSVCE	CHAR	CMF	8	MAX	No	Originating TCP/IP SERVICE name	E640	393
OTRAN	CHAR	CMF	4	MAX	No	Originating transaction ID	E640	390
OTRANFLG	HEX	CMF	8	MAX	No	Originating transaction flags	E640	397
OTRANNUM	DECIMAL	CMF	4	MAX	No	Originating task ID	E640	389
OUSERCOR	CHAR	CMF	64	MAX	No	Originating user correlation data	E640	392
USERID	CHAR	CMF	8	MAX	No	Originating user ID	E640	391

Table 326. TASK resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
PC24RHHWM	BINARY	CMF	4	AVG	No	Maximum read-only storage in RDSA		118
PC24SHWM	BINARY	CMF	4	AVG	No	Maximum shared storage in SDSA		120
PC31SHWM	BINARY	CMF	4	AVG	No	Maximum shared storage in ESDSA		119
PCDPLCT	BINARY	CMF	4	AVG	No	Distributed program link (DPL) request count		240
PCLINKCNT	BINARY	CMF	4	AVG	No	Number of program link requests		73
PCLOADCNT	BINARY	CMF	4	AVG	No	Number of program load requests		75
PCLOADTM	SCLOCK12	CMF	12	MAX	No	Program load time		90
PCLURMCT	BINARY	CMF	4	AVG	No	Number of user replaceable module (URM) links		177
PCXCTLCNT	BINARY	CMF	4	AVG	No	Program transfer control (XCTL) request count		74
PERFRECCNT	BINARY	CMF	4	AVG	No	Number of performance records		141
PGCSTHWM	BINARY	STAT	8	AVG	No	Maximum container storage allocated to task.	E640	383
PRCSID	HEX	CMF	52	MIN	No	BTS process ID		183
PRCSNAME	CHAR	INQ	36	DIFF	No	BTS process name		182
PRCSTYPE	CHAR	INQ	8	DIFF	No	BTS process type		184
PRIORITY	BINARY	INQ	4	AVG	Yes	Task priority		7
PROFILE	CHAR	INQ	8	DIFF	No	Task profile name		98
PSTG24HWM	BINARY	CMF	4	AVG	No	Maximum program storage below 16 MB line		47
PSTG31HWM	BINARY	CMF	4	AVG	No	Maximum program storage above 16 MB line		48
PSTGHWM	BINARY	CMF	4	AVG	No	Maximum program storage across all DSAs		46
PURGEABILITY	CVDAS	INQ	4	LIKE	No	Purgeability status		99
PURGEABILITY Output valid values	PURGEABLE, NOTPURGEABLE							
PURGETYPE	CVDAS	INQ	4	LIKE	Yes	Purge Type		248
PURGETYPE Input/output valid values	PURGE, FORCEPURGE, KILL, N_A							
QRCPUT	SCLOCK12	CMF	12	MAX	No	CPU time used on QR TCB		226
QRDISPT	SCLOCK12	CMF	12	MAX	No	Dispatch time whilst running on QR TCB		225
QRMODDLY	SCLOCK12	CMF	12	MAX	No	QR TCB mode delay time		224
RECOVERTKN	HEX	CMF	8	MIN	No	Recovery manager unit of work ID		142
RECTYPE	CHAR	CMF	4	DIFF	No	Record type		15
RECUNITID	HEX	INQ	8	MIN	No	Local unit of recovery ID	E510+	13
REMOTENAME	CHAR	INQ	4	DIFF	No	Remote transaction name		112
RESOLVEACT	EYUDA	CPSM	4	LIKE	No	Recovery manager UOW resolved with indoubt action		319
RESOLVEACT Output valid values	YES, NO							
RESPTIME	INTTSTP	CPSM	8	MAX	No	Task response time		324
RESSEC	CVDAS	INQ	4	LIKE	No	Resource level security status		101
RESSEC Output valid values	RESSECNO, RESSECYES							
RLSCPUT	SCLOCK12	CMF	12	MAX	No	CPU time used by VSAM record level sharing		173



Table 326. TASK resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
RLSWAITTIME	SCLOCK12	CMF	12	MAX	No	VSAM record level sharing wait time		156
RMISUSP	SCLOCK12	CMF	12	MAX	No	RMI suspend time		138
RMITIME	SCLOCK12	CMF	12	MAX	No	Total RMI elapsed time		137
ROFAIL	EYUDA	CPSM	4	LIKE	No	Recovery manager UOW resource owner failure		323
ROFAIL Output valid values	YES, NO							
ROMODDLY	SCLOCK12	STAT	12	AVG	No	RO TCB mode delay time		433
ROPS31HWM	BINARY	CMF	4	AVG	No	Maximum program storage in ERDSA		53
ROUTING	CVDAS	INQ	4	LIKE	No	Dynamic routing type		100
ROUTING Output valid values	DYNAMIC, STATIC							
RRMSURID	HEX	CMF	16	MIN	No	RRMS/MVS unit of recovery ID		239
RRMSWAIT	SCLOCK12	CMF	12	MAX	No	RRMS/MVS syncpoint coordination delay time		237
RSVD1	SCLOCK12	CMF	12	MAX	No	Reserved space		164
RSVD2	EYUDA	CMF	4	LIKE	No	Reserved space		165
RSVD2 Output valid values	N_A							
RSYSID	CHAR	CMF	4	DIFF	No	Remote system ID		113
RTIMEOUT	BINARY	INQ	4	AVG	No	Read timeout (seconds)		102
RUNAWAY	BINARY	INQ	4	AVG	No	Runaway task time (milliseconds)		103
RUNSTATUS	CVDAS	INQ	4	LIKE	No	Dispatch status		9
RUNSTATUS Output valid values	DISPATCHABLE, RUNNING, SUSPENDED							
RUNTRWTT	SCLOCK12	CMF	12	MAX	No	Run synchronous transaction wait time		205
S8CPUT	SCLOCK12	CMF	12	MAX	No	S8 TCB mode CPU time		231
SCRNSIZE	CVDAS	INQ	4	LIKE	No	Screen size		104
SCRNSIZE Output valid values	ALTERNATE, DEFAULT							
SHAREDTSWAIT	SCLOCK12	CMF	12	MAX	No	Shared temporary storage wait time		172
SHSTGBYTEFMA	BINARY	CMF	4	AVG	No	FREEMAIN byte count of shared storage above 16MB		152
SHSTGBYTEFMB	BINARY	CMF	4	AVG	No	FREEMAIN byte count of shared storage below 16MB		149
SHSTGBYTEFMG	BINARY	CMF	4	AVG	No	The total number of FREEMAIN bytes of shared storage above the bar.	E640 E650 E660 E670	448
SHSTGBYTEGMA	BINARY	CMF	4	AVG	No	GETMAIN byte count of shared storage above 16MB		151
SHSTGBYTEGMB	BINARY	CMF	4	AVG	No	GETMAIN byte count of shared storage below 16MB		148
SHSTGBYTEGMG	BINARY	CMF	4	AVG	No	GETMAIN byte count of shared storage above the bar	E640 E650 E660 E670	447
SHSTGGMCABV	BINARY	CMF	4	AVG	No	Shared storage GETMAIN request count above 16MB		150
SHSTGGMCBAR	BINARY	CMF	4	AVG	No	Shared storage GETMAIN request count above the bar	E640 E650 E660 E670	446

Table 326. TASK resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
SHSTGMCBEL	BINARY	CMF	4	AVG	No	Shared storage GETMAIN request count below 16MB		147
SHUNTED	EYUDA	CPSM	4	LIKE	No	Recovery manager UOW shunted		320
SHUNTED Output valid values	YES, NO							
SOBYDECT	BINARY	CMF	4	AVG	No	Number of socket bytes decrypted		243
SOBYENCT	BINARY	CMF	4	AVG	No	Number of socket bytes encrypted		242
SOCIPHER	HEX	CMF	4	DIFF	No	Cipher selected		437
SOIOWTT	SCLOCK12	CMF	12	MAX	No	TCP/IP sockets I/O wait time		238
SOMODDLY	SCLOCK12	STAT	12	AVG	No	SO TCB mode delay time		434
SRVSYWTT	SCLOCK12	CMF	12	MAX	No	CFDT syncpoint wait time		180
START	TIMESTP	CMF	8	MAX	No	Task start time		16
STARTCODE	CHAR	INQ	2	DIFF	No	Start code		91
STOP	TIMESTP	CMF	8	MAX	No	Task stop time		17
STORAGECLEAR	CV DAS	INQ	4	LIKE	No	Storage clearance status		105
STORAGECLEAR Output valid values	CLEAR, NOCLEAR							
SUBEXECOMP	EYUDA	CPSM	4	LIKE	No	WLM subset of execution phase complete		317
SUBEXECOMP Output valid values	YES, NO							
SUSPENDTIME	INTSEC	INQ	4	MAX	No	Time task has been suspended		4
SUSPENDTYPE	CHAR	INQ	8	DIFF	No	Reason task is suspended		5
SUSPENDVALUE	CHAR	INQ	16	DIFF	No	Resource for which task is waiting		6
SUSPTIME	SCLOCK12	CMF	12	MAX	No	Task suspend time		81
SYNCCOUNT	BINARY	CMF	4	AVG	No	Number of syncpoint requests		78
SYNCDLY	SCLOCK12	CMF	12	MAX	No	Waiting for parent syncpoint delay time		206
SYNCPWAITTM	SCLOCK12	CMF	12	MAX	No	Syncpoint wait time		155
SZALLCTO	BINARY	CMF	4	AVG	No	Number of FEPI allocate timeouts		127
SZALLOCT	BINARY	CMF	4	AVG	No	Number of FEPI allocate requests		121
SZCHRIN	BINARY	CMF	4	AVG	No	Number of FEPI characters received		126
SZCHROUT	BINARY	CMF	4	AVG	No	Number of FEPI characters sent		125
SZRCVCT	BINARY	CMF	4	AVG	No	Number of FEPI receive requests		122
SZRCVTO	BINARY	CMF	4	AVG	No	Number of FEPI receive timeouts		128
SZSENDCT	BINARY	CMF	4	AVG	No	Number of FEPI send requests		123
SZSTRCT	BINARY	CMF	4	AVG	No	Number of FEPI start requests		124
SZTOTCT	BINARY	CMF	4	AVG	No	Total number of FEPI requests		129
SZWAIT	SCLOCK12	CMF	12	MAX	No	FEPI suspend time		130
<b>TASK-1</b>	DECIMAL	INQ	4	MAX	No	Task ID		1
TASKDATAKEY	CV DAS	INQ	4	LIKE	No	Data storage key		106
TASKDATAKEY Output valid values	CICSDATAKEY, USERDATAKEY							
TASKDATALOC	CV DAS	INQ	4	LIKE	No	Data location		107

Table 326. TASK resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
TASKDATALOC Output valid values	BELOW, ANY							
TASKFLAG	BINARY	CMF	4	AVG	No	Transaction error flags		21
TCALWTT	SCLOCK12	STAT	12	AVG	No	Delay time waiting for session allocation		435
TCB	CVDAS	INQ	4	LIKE	No	CICS TCB type		181
TCB Output valid values	CKOPEN, UKOPEN, QR, INTERNAL							
TCBATTCT	BINARY	CMF	4	AVG	No	Number of CICS dispatcher TCB attaches		235
TCC62IN2	BINARY	CMF	4	AVG	No	Number of secondary LU6.2 characters received		115
TCC62OU2	BINARY	CMF	4	AVG	No	Number of secondary LU6.2 characters sent		117
TCIOTIME	SCLOCK12	CMF	12	MAX	No	Terminal I/O wait time		84
TCLDELAY	SCLOCK12	CMF	12	MAX	No	First dispatch delay time caused by TCL		132
TCM62IN2	BINARY	CMF	4	AVG	No	Number of secondary LU6.2 messages received		114
TCM62OU2	BINARY	CMF	4	AVG	No	Number of secondary LU6.2 messages sent		116
TDCOUNT	BINARY	CMF	4	AVG	No	Total number of transient data requests		64
TDELWTT	SCLOCK12	STAT	12	AVG	No	TD extrapartition lock wait time		432
TDGETCNT	BINARY	CMF	4	AVG	No	Number of transient data get requests		61
TDILWTT	SCLOCK12	STAT	12	AVG	No	TD intrapartition lock wait time		431
TDIOTIME	SCLOCK12	CMF	12	MAX	No	Transient data I/O wait time		89
TDPURCNT	BINARY	CMF	4	AVG	No	Number of transient data purge requests		63
TDPUTCNT	BINARY	CMF	4	AVG	No	Number of transient data put requests		62
TERMCONNAME	CHAR	CMF	4	DIFF	No	Terminal connection name		146
TERMID	CHAR	CMF	4	DIFF	No	Actual terminal ID or session ID		244
TERMNALINFO	HEX	CMF	4	MIN	No	Terminal information		157
TERMSTG	BINARY	CMF	4	AVG	No	Terminal storage	E410+	33
TMRATMSN	CHAR	CMF	8	DIFF	No	Atom Service name	E640 E650	419
TMRBFDGC	BINARY	CMF	4	AVG	No	Total number of BIF DIGEST requests	E640 E650	424
TMRBFTC	BINARY	CMF	4	AVG	No	Total number of BIF requests	E640 E650	425
TMRCBRNM	CHAR	CMF	4	LIKE	No	CorbaServer name	E680+	327
TMRCFACT	BINARY	STAT	4	AVG	No	Number OO class library API requests		281
TMRCIPOR	BINARY	CMF	4	MAX	No	Client IP Port	E640	401
TMRCMDLY	SCLOCK12	CMF	12	AVG	No	CICS TCB Change Mode delay time		368
TMRDHDLC	BINARY	CMF	4	AVG	No	Number of Document Delete requests	E640	381
TMRDSCWT	SCLOCK12	CMF	12	MAX	No	MVS DS storage constraint wait time		339
TMRDSMWT	SCLOCK12	CMF	12	MAX	No	Dispatcher TCB mismatch wait time		338

Table 326. TASK resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
TMRDSTHW	BINARY	CMF	4	AVG	No	CICS dispatcher TCB high water mark		328
TMRECEVC	BINARY	CMF	4	AVG	No	Number of EVENTS captured	E640 E650	416
TMRECFOC	BINARY	CMF	4	AVG	No	Number of event filter requests	E640 E650	415
TMRECSEC	BINARY	CMF	4	MAX	No	Number of synchronous emission events captured	E640 E650 E660	430
TMRECSGE	BINARY	CMF	4	AVG	No	Number of SIGNAL EVENT requests	E640 E650	414
TMREICTC	BINARY	CMF	4	AVG	No	Total number of EXEC CICS requests	E640 E650	413
TMREJBAC	BINARY	CMF	4	AVG	No	Number of bean state activation requests	E680+	329
TMREJBCC	BINARY	CMF	4	AVG	No	Number of bean creation requests	E680+	331
TMREJBPC	BINARY	CMF	4	AVG	No	Number of bean state passivation requests	E680+	330
TMREJBRC	BINARY	CMF	4	AVG	No	Number of bean removal requests	E680+	332
TMREJBTC	BINARY	CMF	4	AVG	No	Total number of Enterprise bean requests	E680+	334
TMREJMCT	BINARY	CMF	4	AVG	No	Number of Enterprise bean method calls	E680+	333
TMRHTDLY	SCLOCK12	STAT	12	AVG	No	Maximum Hot-Pooling TCB delay time	E640+	306
TMRICSCC	BINARY	CMF	4	AVG	No	Total local START CHANNEL requests		371
TMRICSCD	BINARY	CMF	4	AVG	No	Data length of all local START CHANNEL requests		372
TMRICSRC	BINARY	CMF	4	AVG	No	Total remote START CHANNEL requests		373
TMRICSRD	BINARY	CMF	4	AVG	No	Data length of all remote START CHANNEL requests		374
TMRISACT	BINARY	CMF	4	MAX	No	Number of IPCONN allocate requests	E640	403
TMRISCNM	CHAR	CMF	8	MAX	No	IPCONN Name	E640	402
TMRISWT	SCLOCK12	CMF	12	MAX	No	IPCONN I/O wait time	E640	404
TMRJ9CPU	SCLOCK12	CMF	12	MAX	No	J9 TCB mode CPU time	E680+	337
TMRJSTWT	SCLOCK12	CMF	12	MAX	No	JVM server thread wait time	E640 E650	405
TMRJTDLY	SCLOCK12	STAT	12	AVG	No	Maximum Java virtual machine (JVM) TCB delay time	E680+	305
TMRJVMIT	SCLOCK12	STAT	12	AVG	No	Java virtual machine elapsed time - initialise		311
TMRJVMRT	SCLOCK12	STAT	12	AVG	No	Java virtual machine elapsed time - resetting		312
TMRKY8CP	SCLOCK12	STAT	12	AVG	No	User task key 8 mode CPU time		304
TMRKY8DS	SCLOCK12	STAT	12	AVG	No	User task key 8 mode dispatch time		303
TMRKY9CP	SCLOCK12	STAT	12	AVG	No	User task key 9 mode CPU time		336
TMRKY9DS	SCLOCK12	STAT	12	AVG	No	User task key 9 mode dispatch time		335
TMRL9CPU	SCLOCK12	CMF	12	MAX	No	User task L9 mode CPU time		375

Table 326. TASK resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
TMRMLCTM	SCLOCK12	CMF	12	MAX	No	XML System Services CPU time	E640 E650	427
TMRMLTDL	BINARY	CMF	4	AVG	No	Total document length	E640 E650	426
TMRMLXTC	BINARY	CMF	4	AVG	No	Number of EXEC CICS XML TRANSFORM requests	E640 E650	406
TMRMQAST	SCLOCK12	CMF	12	MAX	No	WebSphere MQ API SRB timeme	E640 E650	429
TMRMQGWT	SCLOCK12	CMF	12	MAX	No	WebSphere MQ Getwait wait time	E640	400
TMRNETID	CHAR	STAT	8	DIFF	No	Network id		277
TMRNETSX	HEX	CMF	8	DIFF	No	LU6.2 network-wide UOW instance and sequence number		325
TMROIDWT	SCLOCK12	STAT	12	AVG	No	OTS indoubt wait time		310
TMROTSID	CHAR	STAT	128	DIFF	No	OTS transaction id		280
TMRPCDCC	BINARY	CMF	4	AVG	No	Number of DPL program link requests with channel		347
TMRPCDLL	BINARY	CMF	4	AVG	No	Data length of all DPL program links with channel		343
TMRPCDRL	BINARY	CMF	4	AVG	No	Total data length of all DPL returns with channel		344
TMRPCLCC	BINARY	CMF	4	AVG	No	Number of program link requests with channel		345
TMRPCRCC	BINARY	CMF	4	AVG	No	Number of program return requests with channel		348
TMRPCRCL	BINARY	CMF	4	AVG	No	Data length of all program returns with channel		349
TMRPCXCC	BINARY	CMF	4	AVG	No	Number of program XCTL requests with channel		346
TMRPGBCC	BINARY	CMF	4	AVG	No	Number of browse container channel requests		351
TMRPGCCC	BINARY	CMF	4	AVG	No	Number of containers created for channel containers		379
TMRPGCTC	BINARY	CMF	4	AVG	No	Total number of channel data container requests		350
TMRPGGCC	BINARY	CMF	4	AVG	No	Number of get container channel requests		352
TMRPGGCL	BINARY	CMF	8	AVG	No	Data length of all get container channel requests		355
TMRPGMCC	BINARY	CMF	4	AVG	No	Number of move container channel requests		354
TMRPGPCC	BINARY	CMF	4	AVG	No	Number of put container channel requests		353
TMRPGPCL	BINARY	CMF	8	AVG	No	Data length of all put container channel requests		356
TMRPIPLN	CHAR	CMF	8	DIFF	No	Pipeline name	E640 E650	418
TMRPORTN	BINARY	STAT	4	AVG	No	TCP/IP service port number		279
TMRPTPWT	SCLOCK12	STAT	12	AVG	No	Partner wait time		313
TMRRLUNM	CHAR	STAT	8	DIFF	No	Real LUNAME		278
TMRROCPU	SCLOCK12	STAT	12	AVG	No	User task RO mode CPU time		302
TMRRODSP	SCLOCK12	STAT	12	AVG	No	User task RO mode dispatch time		301
TMRRQPWT	SCLOCK12	STAT	12	AVG	No	Request processor wait time		309
TMRRQRWT	SCLOCK12	STAT	12	AVG	No	Request receiver wait time		308
TMRSOCIN	BINARY	STAT	4	AVG	No	Number characters received		293

Table 326. TASK resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
TMRSOCNS	BINARY	STAT	4	AVG	No	Number CREATE non-persistent socket requests		288
TMRSOCOT	BINARY	STAT	4	AVG	No	Number characters sent		295
TMRSOCPS	BINARY	STAT	4	AVG	No	Number CREATE persistent socket requests		289
TMRSOERC	BINARY	STAT	4	AVG	No	EXTRACT TCPIP and EXTRACT CERTIFICATE request count		287
TMRSOI1C	BINARY	STAT	4	AVG	No	Number inbound socket characters received		298
TMRSOIMC	BINARY	STAT	4	AVG	No	Number inbound socket receive requests		297
TMRSONHW	BINARY	STAT	4	AVG	No	Non-persistent socket HWM		290
TMRSOO1C	BINARY	STAT	4	AVG	No	Number inbound socket characters sent		300
TMRSOOMC	BINARY	STAT	4	AVG	No	Number inbound socket send requests		299
TMRSOOWT	SCLOCK12	STAT	12	AVG	No	Outbound socket I/O wait time		307
TMR SOPHW	BINARY	STAT	4	AVG	No	Persistent socket HWM		291
TMRSORCT	BINARY	STAT	4	AVG	No	Number socket receive requests		292
TMR SOSCT	BINARY	STAT	4	AVG	No	Number socket send requests		294
TMR SOTC	BINARY	STAT	4	AVG	No	Total number socket requests		296
TMRSTDLY	SCLOCK12	CMF	12	AVG	No	Maximum CICS SSL TCB delay time		366
TMRT8CPU	SCLOCK12	CMF	12	MAX	No	User task T8 mode cpu time	E640 E650	411
TMRTCPV	CHAR	CMF	8	DIFF	No	TCP/IP Service name		326
TMRTGPID	HEX	STAT	28	DIFF	No	Transaction group id		275
TMRTIATC	BINARY	CMF	4	AVG	No	Number of EXEC CICS ASKTIME requests	E640 E650	422
TMRTITC	BINARY	CMF	4	AVG	No	Total number of EXEC CICS xxxTIME requests	E640 E650	423
TMRTRSN	DECIMAL	STAT	4	MAX	No	Transaction sequence number		274
TMRTTDLY	SCLOCK12	CMF	12	MAX	No	Maximim thread TCB delay time	E640 E650	412
TMRURIMN	CHAR	CMF	8	DIFF	No	URI map name	E640 E650	417
TMRWBBOC	BINARY	CMF	4	AVG	No	Number of web browse requests		365
TMRWB BRC	BINARY	STAT	4	AVG	No	Number WEB BROWSE requests		284
TMRWB ERC	BINARY	STAT	4	AVG	No	Number WEB EXTRACT requests		283
TMRWBI1C	BINARY	CMF	4	AVG	No	Number of bytes received by web requests		361
TMRWBIRC	BINARY	CMF	4	AVG	No	Number of web receive requests		360
TMRWBIWC	BINARY	CMF	4	AVG	No	Number of invoke web service requests		357
TMRWBO1C	BINARY	CMF	4	AVG	No	Number of bytes sent by web send requests		363
TMRWBOSC	BINARY	CMF	4	AVG	No	Number of web send requests		362
TMRWBPRC	BINARY	CMF	4	AVG	No	Number of web parse requests		364
TMRWB RDL	BINARY	CMF	4	AVG	No	Data length of data read from the repository		377

Table 326. TASK resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
TMRWBROC	BINARY	CMF	4	AVG	No	Number of web read requests		358
TMRWBRPR	BINARY	STAT	4	AVG	No	Number repository reads		282
TMRWBRRC	BINARY	STAT	4	AVG	No	Number WEB READ requests		285
TMRWBWDL	BINARY	CMF	4	AVG	No	Data length of data written to the repository		378
TMRWBWOC	BINARY	CMF	4	AVG	No	Number of web write requests		359
TMRWBWRC	BINARY	STAT	4	AVG	No	Number WEB WRITE requests		286
TMRWMQRC	BINARY	CMF	4	MAX	No	Total number Websphere MQ requests	E640	399
TMRWPBMN	CHAR	CMF	8	DIFF	No	Program name	E640 E650	421
TMRWSATC	BINARY	CMF	4	AVG	No	Total number of WS addressing requests	E640 E650	410
TMRWSCBC	BINARY	CMF	4	AVG	No	Number of WSACONTEXT BUILD requests	E640 E650	407
TMRWSCGC	BINARY	CMF	4	AVG	No	Number of WSACONTEXT GET requests	E640 E650	408
TMRWSEPC	BINARY	CMF	4	AVG	No	Number of WSAEPR create requests	E640 E650	409
TMRWSOPN	CHAR	CMF	64	DIFF	No	Web Services Operation name	E640 E650	428
TMRWSVCN	CHAR	CMF	32	DIFF	No	Webservice name	E640 E650	420
TMRX8CPU	SCLOCK12	CMF	12	AVG	No	User task X8 mode CPU time		369
TMRX9CPU	SCLOCK12	CMF	12	AVG	No	User task X9 mode CPU time		370
TMRXTDLY	SCLOCK12	CMF	12	AVG	No	Maximum CICS XPLink TCB delay time		367
TRACING	CVDAS	INQ	4	LIKE	No	Task tracing type		108
TRACING Output valid values	SPECTRACE, STANTRACE, SPRSTRACE							
TRANCLASS	CHAR	INQ	8	DIFF	No	Transaction class		10
TRANFLAGS	HEX	CMF	8	MIN	No	Transaction flags		145
TRANID	CHAR	INQ	4	DIFF	No	Transaction		11
TRANPRIORITY	BINARY	INQ	4	AVG	No	Transaction priority		109
TRANATYPE	CHAR	CMF	4	DIFF	No	Transaction type		14
TRPROF	CHAR	INQ	8	DIFF	No	Transaction routing profile name		110
TSCOUNT	BINARY	CMF	4	AVG	No	Total number of temporary storage requests		68
TSGETCNT	BINARY	CMF	4	AVG	No	Number of temporary storage gets		65
TSGETSCNT	BINARY	CMF	4	AVG	No	Number of TS gets to shared storage	E640 E650 E660 E670 E680 E690	467
TSIOTIME	SCLOCK12	CMF	12	MAX	No	Temporary storage I/O wait time		87
TSPUTACNT	BINARY	CMF	4	AVG	No	Number of TS puts to auxiliary storage		66
TSPUTMCNT	BINARY	CMF	4	AVG	No	Number of TS puts to main storage		67

Table 326. TASK resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
TSPUTSCNT	BINARY	CMF	4	AVG	No	Number of TS puts to shared storage	E640 E650 E660 E670 E680 E690	468
TWASIZE	BINARY	INQ	4	AVG	No	Size in bytes of transaction work area (TWA)		111
UNITOFWORK	HEX	INQ	16	MIN	No	Local unit of work (UOW) ID		159
UNSHUNTED	EYUDA	CPSM	4	LIKE	No	Recovery manager UOW unshunted		321
UNSHUNTED Output valid values	YES, NO							
UOWID	HEX	CMF	8	MIN	No	Network UOW instance and sequence number		8
USERID	CHAR	INQ	8	DIFF	No	User ID		12
USRPS24HWM	BINARY	CMF	4	AVG	No	Maximum program storage in UDSA		50
USRPS31HWM	BINARY	CMF	4	AVG	No	Maximum program storage in EUDSA		49
USTG24CNT	BINARY	CMF	4	AVG	No	User storage GETMAIN request count below 16MB		34
USTG24HWM	BINARY	CMF	4	AVG	No	Peak number of bytes used by task in UDSA		38
USTG24OCC	BINARY	CMF	8	AVG	No	Average storage usage below 16 MB line		42
USTG31CNT	BINARY	CMF	4	AVG	No	User storage GETMAIN request count above 16MB		35
USTG31HWM	BINARY	CMF	4	AVG	No	Peak number of bytes used by task in EUDSA		39
USTG31OCC	BINARY	CMF	8	AVG	No	Average storage usage above 16 MB line		43
WAITTIME	SCLOCK12	CMF	12	MAX	No	Dispatch wait time		82
WBCHRIN	BINARY	CMF	4	AVG	No	Number of characters received via WEB requests		208
WBCHROUT	BINARY	CMF	4	AVG	No	Number of characters sent via WEB requests		210
WBISSFCT	BINARY	CMF	4	MAX	No	INVOKE SOAP service faults	E640 E650	464
WBJSNRPL	BINARY	CMF	4	AVG	No	JSON response body length	E640 E650 E660 E670 E680 E690	471
WBJSNRQL	BINARY	CMF	4	AVG	No	JSON request body length	E640 E650 E660 E670 E680 E690	470
WBRCVCT	BINARY	CMF	4	AVG	No	Number of WEB receive requests		207
WBREPWCT	BINARY	CMF	4	AVG	No	Number of WEB repository writes		212
WSENDCT	BINARY	CMF	4	AVG	No	Number of WEB send requests		209
WBSFCRCT	BINARY	CMF	4	MAX	No	SOAPFAULT CREATE requests	E640 E650	462
WBSFTOCT	BINARY	CMF	4	MAX	No	Total SOAPFAULT CREATE requests	E640 E650	463



Table 326. TASK resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
WBSREQBL	BINARY	CMF	4	MAX	No	SOAP request body length	E640 E650	465
WBSRSPBL	BINARY	CMF	4	MAX	No	SOAP response body length	E640 E650	466
WBTOTCT	BINARY	CMF	4	AVG	No	Total number of WEB requests		211
WLMRPTRCNAME	CHAR	CMF	8	DIFF	No	Workload manager report class name		144
WLMSRVCNAME	CHAR	CMF	8	DIFF	No	Workload manager service class name		143

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TASKTSQ Resource Table

A CICS Resource that describes tasks and the CICS Temporary Storage Queues they have used in an active system being managed by CICSplex SM. Note that for these records to be available, the MAS must be running with the SIT parameter MNRES=ON, and be using an MCT that specifies a value greater than 0 for TSQUEUE on the DFHMCT TYPE=INITIAL macro.

The **Primary** key field for this resource class is MNRTASKNO.

The **Secondary** key field for this resource class is TSQNAME.

There are no object specific actions for this resource class.

**External resource name**

CICSTaskTSQueueUsage

**Length**

152

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0146

Table 327. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 328. TASKSQ resource table attributes

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name		
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release		
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved		
GETSHRITEML	BINARY	STAT	4	SUM	Shared TS queue READQ item length	E640 E650 E660 E670 E680 E690	22
MNRSTART	TIMESTP	STAT	8	MAX	Task start time		14
<b>MNRTASKNO-1</b>	DECIMAL	STAT	4	MAX	Task ID		11
MNRTRANID	CHAR	STAT	4	DIFF	Transaction ID		12
MNRTSQLIMIT	EYUDA	STAT	4	LIKE	TS queue limit exceeded		15
MNRTSQLIMIT Output valid values	YES, NO						
MNRUSERID	CHAR	STAT	8	DIFF	User ID		13
PUTAUXITEML	BINARY	STAT	4	SUM	Auxiliary TS queue WRITEQ item length		9
PUTMAINITEML	BINARY	STAT	4	SUM	Main TS queue WRITEQ item length		10
PUTSHRITEML	BINARY	STAT	4	SUM	Shared TS queue WRITEQ item length	E640 E650 E660 E670 E680 E690	23
SHRTSQIOWT	SCLOCK	STAT	8	AVG	Shared TS queue I/O wait time		7
TSQGET	SCLOCK	STAT	8	AVG	TS queue READQ time and count		2
TSQGETITEML	BINARY	STAT	4	SUM	TS queue READQ item length		8
TSQGETSHR	SCLOCK	STAT	8	AVG	Shared TS queue READQ time and count	E640 E650 E660 E670 E680 E690	20
TSQIOWT	SCLOCK	STAT	8	AVG	TS queue I/O wait time		6
<b>TSQNAME-2</b>	CHAR	STAT	16	DIFF	TS queue name		1
TSQPUTAUX	SCLOCK	STAT	8	AVG	Auxiliary TS queue WRITEQ time and count		3
TSQPUTMAIN	SCLOCK	STAT	8	AVG	Main TS queue WRITEQ time and count		4
TSQPUTSHR	SCLOCK	STAT	8	AVG	Shared TS queue WRITEQ time and count	E640 E650 E660 E670 E680 E690	21
TSQTOTAL	SCLOCK	STAT	8	AVG	Total TSQ I/O time and count		5

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## TCLINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a transaction class definition (TRNCLDEF) in a resource group (RESGROUP). A TRNCLDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is TRNCLGROUP.

The **Secondary** key field for this resource class is TRNCLNAME.

The **Tertiary** key field for this resource class is TRNCLVER.

There are no object specific actions for this resource class.

**External resource name**

**Length**

56

**Usage** API or Batch Utility or WUI

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt6159

*Table 329. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

*Table 330. TCLINGRP FEEDBACK error codes*

Value	Code	Description
1	TCLINGRP_INV_DATA	Attribute data invalid
2	TCLINGRP_REC_NOT_FOUND	Requested resource not found
4	TCLINGRP_REC_EXISTS	Resource already exists
6	TCLINGRP_INV_RESTYPE	Invalid resource type
7	TCLINGRP_INV_VER	Invalid resource version
11	TCLINGRP_NON_MP	Maintenance point CMAS not available
12	TCLINGRP_INV_CONTEXT	Context not found

Table 330. TCLINGRP FEEDBACK error codes (continued)

Value	Code	Description
21	TCLINGRP_INCONSISTENT_SET	Inconsistent set
22	TCLINGRP_DIFF_VERSION	Different version
23	TCLINGRP_INV_NAME	Invalid name
24	TCLINGRP_INV_MINNAME	Invalid minor name

Table 331. TCLINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CV DAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>TRNCLGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name	5
<b>TRNCLNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	Transaction class definition name	6
<b>TRNCLVER-3</b>	BINARY	CPSM	1	Yes	AVG	Transaction class definition version	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TCPDEF Resource Table

A CICS Definition that describes a TCP/IP Service.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

The following actions are supported:

**INSTALL**

Install a TCP/IP Service Definition.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

**External resource name**

CICSDefinitionTCPIPService

**Length**

560

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**  
No

**SCOPE applies**  
No

**Only query CMASs in workload**  
No

**Object type**  
CICS Definition

**Copybook identifier**  
EYUt3823

Table 332. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No
		CSDGROUP(value)	No
		RESGROUP(value)	No
CREATE		CSD	No
		RESGROUP(value)	No
UPDATE		CSD	No
REMOVE		CSD	No
PERFORM	INSTALL	FORCEINS(YES, NO)	No
SET		MODE(value)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No
		RELATED(value)	No
		STATECHK(YES, NO)	No
		TARGET(value)	Yes
		USAGE(LOCAL)	Yes
	ADDTOGRP	RESGROUP(value)	Yes
	CSDINSTALL	None	N/A
	CSDCOPY	AS_RESOURCE(value)	No
		DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No

Table 333. TCPDEF FEEDBACK error codes

Value	Code	Description
1	TCPDEF_INV_DATA	Attribute data invalid
2	TCPDEF_REC_NOT_FOUND	Requested resource not found
4	TCPDEF_REC_EXISTS	Resource already exists
5	TCPDEF_INV_CHANGED	Resource definition already changed
6	TCPDEF_INV_RESTYPE	Invalid resource type
7	TCPDEF_INV_VER	Invalid resource version
11	TCPDEF_NON_MP	Maintenance point CMAS not available
12	TCPDEF_INV_CONTEXT	Context not found
13	TCPDEF_INCONSISTENT_SET	Inconsistent set condition
14	TCPDEF_INV_RESGROUP	Resource group not found
21	TCPDEF_INV_ACTION	Invalid action
22	TCPDEF_INV_RECADDR	Invalid record address
23	TCPDEF_INV_RECLEN	Invalid record length

Table 333. TCPDEF FEEDBACK error codes (continued)

Value	Code	Description
24	TCPDEF_DIFF_VERSION	Different version
25	TCPDEF_EARLY_NAMELIST_END	Early name list end
26	TCPDEF_INV_NAMELIST	Invalid name list
27	TCPDEF_INV_NAME	Invalid name
28	TCPDEF_INV_MINNAME	Invalid minor name
29	TCPDEF_NOTIFY	Notify
30	TCPDEF_PARTIAL_INSTALL	Partial install
31	TCPDEF_NOTHING_INSTALLED	Nothing installed
32	TCPDEF_NO_TARGETS	No targets
33	TCPDEF_NO_RELATED	No related systems
34	TCPDEF_INV_TSCOPE	Invalid target scope
35	TCPDEF_INV_RSCOPE	Invalid related scope
36	TCPDEF_INV_USAGE	Invalid usage
37	TCPDEF_INV_MODE	Invalid mode
38	TCPDEF_INV_STATECHK	Invalid state check
39	TCPDEF_INV_FORCEINS	Invalid force install
40	TCPDEF_INV_NOTIFY	Invalid notify
41	TCPDEF_INV_OVERTYPE	Invalid oertype
42	TCPDEF_INV_OVRBLOCK	Invalid override block
43	TCPDEF_INV_ORSTRING	Invalid override string
44	TCPDEF_INV_STRNGTERM	Invalid string terminator
45	TCPDEF_INV_EMBEDTERM	Invalid embedded terminator
46	TCPDEF_INV_ATTRIBUTE	Invalid attribute
47	TCPDEF_INV_LITERAL	Invalid literal
48	TCPDEF_INV_ORSTGNA	Invalid override string
49	TCPDEF_SCOPE_REQUIRED	Scope required
50	TCPDEF_USAGE_CONFLICT	Usage conflict
51	TCPDEF_NODEFS_SELECTED	No definitions selected
52	TCPDEF_MORE_THAN_1_RELSYS	More than one related system
53	TCPDEF_MISSING_RELSYSID	Missing related system identifier
54	TCPDEF_SCOPE_CONFLICT	Scope conflict
55	TCPDEF_INV_CSDGROUP	Invalid CSD group
56	TCPDEF_REC_NOT_REMOVED	Record not removed
57	TCPDEF_INV_RESOURCE	Invalid resource
58	TCPDEF_INV_CICS_RESTYPE	Invalid CICS restype
59	TCPDEF_PARTIAL_ACTION	Partial action
60	TCPDEF_NOTHING_ACTIONED	Nothing actioned
61	TCPDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive
62	TCPDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
63	TCPDEF_CSD_ERROR	CSD access error
64	TCPDEF_INV_MAXPERSIST	Invalid maxpersist value

Table 334. TCPDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
ATTACHSEC	EYUDA	CPSM	4	No	LIKE	Attach-time security	NOTAPPLIC			30
ATTACHSEC Input/output valid values	LOCAL, VERIFY, NOTAPPLIC									
AUTHENTICATE	EYUDA	CPSM	4	Yes	LIKE	Authentication level	NO			25

Table 334. TCPDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
AUTHENTICATE Input/output valid values	NO, BASIC, CERTIFICATE, AUTOREGISTER, AUTOMATIC, NOTAPPLIC, ASSERTED									
BACKLOG	CHAR	CPSM	8	Yes	DIFF	Queue backlog limit		0-32767		12
CERTIFICATE	CHAR	CPSM	56	No	DIFF	Certificate				15
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			E640 E650	36
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	38
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification time				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	37
CIPHERS	CHAR	CPSM	56	No	LIKE	SSL cipher suite codes				32
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				16
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	41
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		5
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		34
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				20
DNSGROUP	CHAR	CPSM	18	No	DIFF	Domain name service (DNS) group			E690+	27
GRPCRITICAL	EYUDA	CPSM	4	No	LIKE	Critical domain name service (DNS) group member	NOTAPPLIC		E690+	29
GRPCRITICAL Input/output valid values	NO, YES, NOTAPPLIC									
HOST	CHAR	CPSM	116	Yes	DIFF	Incoming connections listening address			E640 E650	40
IPADDRESS	CHAR	CPSM	15	No	DIFF	IPv4 address				22
MAXDATALEN	CHAR	CPSM	6	No	DIFF	Maximum length of data to be received or sent	32	3-524288		33
MAXPERSIST	CHAR	CPSM	5	No	DIFF	Maximum number of persistent connections	NO	0-65535	E640 E650 E660	42
MAXPERSIST Input/output valid values	NO									
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name				7
PORTNUMBER	CHAR	CPSM	8	Yes	DIFF	Port number		1-65535		8
PRIVACY	CVDAS	CPSM	4	No	LIKE	Privacy	NOTAPPLIC		E640+	31
PRIVACY Input/output valid values	REQUIRED, SUPPORTED, NOTSUPPORTED, NOTAPPLIC									
PROTOCOL	CVDAS	CPSM	4	No	LIKE	Protocol				26
PROTOCOL Input/output valid values	HTTP, IIOP, ECI, USER, NOTAPPLIC, IPIC									
REALM	CHAR	CPSM	56	No	DIFF	Basic authentication realm name			E640	35
SOCKETCLOSE	CHAR	CPSM	6	No	DIFF	Timeout for socket close (HHMMSS)				23

Table 334. TCPDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
SPECIFTCPS	CHAR	CPSM	8	No	DIFF	Specific TCPIPService			E640 E650 E660 E670 E680	43
SSL	EYUDA	CPSM	4	Yes	LIKE	Secure sockets layer (SSL) type	NO			13
SSL Input/output valid values	YES, NO, CLIENTAUTH, ATTLISAWARE									
STATUS	CVDAS	CPSM	4	Yes	LIKE	TCP/IP service status	OPEN			9
STATUS Input/output valid values	OPEN, CLOSED									
TRANSACTION	CHAR	CPSM	4	Yes	DIFF	CICS transaction ID				10
TSQPREFIX	CHAR	CPSM	6	No	DIFF	TS queue prefix				21
URM	CHAR	CPSM	8	No	DIFF	User-replaceable module name				11
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				17
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				18
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				19

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TCPINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a TCP/IP Service definition (TCPDEF) in a resource group (RESGROUP). A TCPDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is TCPGROUP.

The **Secondary** key field for this resource class is TCPNAME.

The **Tertiary** key field for this resource class is TCPVER.

There are no object specific actions for this resource class.

**External resource name**

**Length**

56

**Usage** API or Batch Utility or WUI

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No



**Object type**  
CICSplex SM Definition

**Copybook identifier**  
EYUt6168

Table 335. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

Table 336. TCPINGRP FEEDBACK error codes

Value	Code	Description
1	TCPINGRP_INV_DATA	Attribute data invalid
2	TCPINGRP_REC_NOT_FOUND	Requested resource not found
4	TCPINGRP_REC_EXISTS	Resource already exists
6	TCPINGRP_INV_RESTYPE	Invalid resource type
7	TCPINGRP_INV_VER	Invalid resource version
11	TCPINGRP_NON_MP	Maintenance point CMAS not available
12	TCPINGRP_INV_CONTEXT	Context not found
21	TCPINGRP_INCONSISTENT_SET	Inconsistent set
22	TCPINGRP_DIFF_VERSION	Different version
23	TCPINGRP_INV_NAME	Invalid name
24	TCPINGRP_INV_MINNAME	Invalid minor name

Table 337. TCPINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>TCPGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource Group name	5
<b>TCPNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	TCP/IP service definition name	6
<b>TCPVER-3</b>	BINARY	CPSM	1	Yes	AVG	TCP/IP service definition version	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TCPIPGBL Resource Table

A CICS Resource that provides information about CICS internal TCP/IP sockets support.

There are no object specific actions for this resource class.

**External resource name**  
CICSTCPIPStatistics

**Length**

656

**Usage** API or WUI or CICS Management Client Interface or EVALDEF**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0113

*Table 338. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A

*Table 339. TCPIPGBL resource table attributes*

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name		
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release		
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved		
ACTSOCKETS	BINARY	INQ	4	AVG	No	Number of active TCP/IP sockets		3
CDELMAXSOCKS	BINARY	STAT	4	AVG	No	Current number of requests delayed at maximum sockets		17
CINSOCKETS	BINARY	STAT	4	AVG	No	Number of inbound sockets		4
COUTSOCKETS	BINARY	STAT	4	AVG	No	Number of non-persistent outbound sockets		6
CPERSOCKETS	BINARY	STAT	4	AVG	No	Number of persistent outbound sockets		8
CQTMASOCKS	BINARY	STAT	4	AVG	No	Current delay time at maximum sockets (seconds)		19
CRLPROFILE	CHAR	INQ	246	LIKE	No	Certificate Revocation List (CRL) Profile Name		21
CRLSERVER	CHAR	INQ	255	LIKE	No	CRL server name		21
DELMASOCKS	BINARY	STAT	4	AVG	No	Total number of requests delayed at maximum sockets		14
INSOCKETSCR	BINARY	STAT	4	AVG	No	Number of inbound sockets created		10
LTIMPAUSLIST	TIMESTP	STAT	8	MAX	No	Last time socket listener paused listening for HTTP connections	E640 E650 E660 E670 E680 E690	26

Table 339. TCPIPGBL resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
LTIMSTOPPERS	TIMESTP	STAT	8	MAX	No	Last time stopped HTTP connection persistence	E640 E650 E660 E670 E680 E690	29
MAXSOCKETS	BINARY	INQ	4	AVG	Yes	Maximum number of TCP/IP sockets		2
OUTSOCKETSCS	BINARY	STAT	4	AVG	No	Number of outbound sockets closed		12
OUTSOCKETSCR	BINARY	STAT	4	AVG	No	Number of outbound sockets created		11
PAUSINGLIST	EYUDA	STAT	4	LIKE	No	Socket listener has paused listening for HTTP connections	E640 E650 E660 E670 E680 E690	32
PAUSINGLIST Input/output valid values	YES, NO							
PDELMAXSOCKS	BINARY	STAT	4	MAX	No	Peak number of requests delayed at maximum sockets		18
PINSOCKETS	BINARY	STAT	4	MAX	No	Peak number of inbound sockets		5
POUTSOCKETS	BINARY	STAT	4	MAX	No	Peak number of outbound sockets		7
PPERSOCKETS	BINARY	STAT	4	MAX	No	Peak number of persistent outbound sockets		9
QTMAXSOCKS	BINARY	STAT	4	AVG	No	Total delay time at maximum sockets (seconds)		15
RSVD1	CHAR	CPSM	9	LIKE	No	Reserved area	EALL	22
SOTUNING	EYUDA	STAT	4	LIKE	No	Performance tuning for HTTP connections	E640 E650 E660 E670 E680 E690	24
SOTUNING Input/output valid values	YES, 520							
SSLCACHE	CVDAS	INQ	4	LIKE	No	SSL cache type		20
SSLCACHE Output valid values	CICS, SYSPLEX							
STATUS	CVDAS	INQ	4	LIKE	Yes	TCP/IP status		1
STATUS Input/output valid values	OPEN, CLOSED, IMMCLOSE							
STATUS Output valid values	CLOSING, IMMCLOSING, OPENING							
STOPPINGPERS	EYUDA	STAT	4	LIKE	No	Region stopping HTTP connection persistence	E640 E650 E660 E670 E680 E690	27
STOPPINGPERS Input/output valid values	YES, NO							
TDOMAXSOCKS	BINARY	STAT	4	AVG	No	Number of timeouts at maximum sockets		16
TIMATACCLIM	BINARY	STAT	4	AVG	No	Number of times socket listener notified at task accept limit	E640 E650 E660 E670 E680 E690	25

Table 339. TCPIPGBL resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
TIMDISCATMAX	BINARY	STAT	4	AVG	No	Number of times disconnected an HTTP connection at maximum uses	E640 E650 E660 E670 E680 E690	31
TIMMAXSOCKS	BINARY	STAT	4	AVG	No	Number of times maximum sockets reached		13
TIMMNONPERS	BINARY	STAT	4	AVG	No	Number of persistent HTTP connections made non-persistent	E640 E650 E660 E670 E680 E690	30
TIMSTOPPERS	BINARY	STAT	4	AVG	No	Number of times region stopped HTTP connection persistence	E640 E650 E660 E670 E680 E690	28

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TCPIPS Resource Table

A CICS Resource that describes a TCP/IP Service in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is NAME.

The following actions are supported:

**CLOSE**

Close a TCP/IP Service

**DISCARD**

Discard a TCP/IP Service

**IMMCLOSE**

Close a TCP/IP Service immediately

**OPEN** Open a TCP/IP Service

These actions require no unique parameter data.

**External resource name**

CICSTCPIPService

**Length**

584

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0103

*Table 340. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM	DISCARD	None	N/A
SET	OPEN	None	N/A
	CLOSE	None	N/A
	IMMCLOSE	None	N/A
	DEREGISTER	None	N/A

*Table 341. TCPIPS resource table attributes*

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved			
ATTACHSEC	CVDAS	INQ	4	LIKE	No	Attach-time security			32
ATTACHSEC Input/output valid values	NOTAPPLIC								
ATTACHSEC Output valid values	LOCAL, VERIFY								
AUTHENTICATE	CVDAS	INQ	4	LIKE	No	Authentication level			24
AUTHENTICATE Output valid values	AUTOAUTH, AUTOREGISTER, BASICAUTH, CERTIFICAUTH, NOAUTHENTIC, ASSERTED								
BACKLOG	BINARY	INQ	4	AVG	Yes	Queue backlog limit			3
BASDEFINEVER	BINARY	CPSM	1	AVG	No	BAS resource definition version	0	E640 E650	48
BYTERCVD	BINARY	STAT	8	AVG	No	Number of bytes received across all sockets			21
BYTESENT	BINARY	STAT	8	AVG	No	Number of bytes sent across all sockets			19
CERTIFICATE	CHAR	INQ	32	DIFF	No	Certificate			25
CHANGEAGENT	CVDAS	INQ	4	LIKE	No	Last modification agent		E640 E650	40
CHANGEAGENT Input/output valid values	CSDAPI, CSDBATCH, DREPAPI, DREPBATCH, SYSTEM, CREATESPI, NOTAPPLIC								
CHANGEAGREL	CHAR	INQ	4	DIFF	No	Last modification agent release		E640 E650	41
CHANGETIME	DATETIME	INQ	8	MAX	No	Last modification time		E640 E650	43
CHANGEUSRID	CHAR	INQ	8	DIFF	No	Last modification user ID		E640 E650	39
CIPHERS	CHAR	INQ	56	LIKE	No	SSL cipher suite codes			34
CLOSETIMEOUT	BINARY	INQ	4	AVG	No	Timeout for socket close (seconds)			23

Table 341. TCIPIS resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
CONNECTIONS	BINARY	INQ	4	AVG	No	Number of connections			8
DEFINESOURCE	CHAR	INQ	8	DIFF	No	Source of the resource definition		E640 E650	44
DEFINETIME	DATETIME	INQ	8	MAX	No	Creation time		E640 E650	45
DNSGROUP	CHAR	INQ	18	DIFF	No	Domain name service (DNS) group		E690+	28
DNSSTATUS	CVDAS	INQ	4	LIKE	Yes	Domain name service (DNS) status		E690+	30
DNSSTATUS Input/output valid values	DEREGISTERED								
DNSSTATUS Output valid values	UNAVAILABLE, UNREGISTERED, REGISTERED, REGERROR, DEREGERROR, NOTAPPLIC								
GENERICTCPS	CHAR	INQ	8	DIFF	No	Generic TCIPService		E640 E650 E660 E670 E680	56
GMTSERVOPN	DATETIME	STAT	8	MAX	No	GMT service open time			14
GRPCRITICAL	CVDAS	INQ	4	LIKE	No	Critical domain name service (DNS) group member		E690+	31
GRPCRITICAL Output valid values	NONCRITICAL, CRITICAL								
HOST	CHAR	INQ	116	DIFF	No	Server address to listen on		E640 E650	52
HOSTTYPE	CVDAS	INQ	4	LIKE	No	The listening server's address format		E640 E650	50
HOSTTYPE Output valid values	ANY, DEFAULT, HOSTNAME, IPV4, IPV6, NOTAPPLIC								
INSTALLAGENT	CVDAS	INQ	4	LIKE	No	Installation agent		E640 E650	42
INSTALLAGENT Input/output valid values	CSDAPI, CREATESPI, GRPLIST, BUNDLE								
INSTALLTIME	DATETIME	INQ	8	MAX	No	Installation time		E640 E650	47
INSTALLUSRID	CHAR	INQ	8	DIFF	No	Installation user ID		E640 E650	46
IPADDRESS	CHAR	INQ	15	DIFF	No	IPv4 address of the service			10
IPFAMILY	CVDAS	INQ	4	LIKE	No	Resolved IP address format		E640 E650	51
IPFAMILY Output valid values	IPV4, IPV6, UNKNOWN								
IPRESOLVED	CHAR	INQ	39	DIFF	No	Resolved IP address		E640 E650	49
MAXDATALEN	BINARY	INQ	4	AVG	Yes	Maximum length of data that may be received			37
MAXPERSIST	BINARY	INQ	4	DIFF	No	Maximum persistent connections		E640 E650 E660	53
<b>NAME-1</b>	CHAR	INQ	8	DIFF	No	TCP/IP service name			1
NONPERSIST	BINARY	STAT	4	DIFF	No	Number of non-persisted connections		E640 E650 E660	54
NUMCIPHERS	BINARY	INQ	2	LIKE	No	Number of SSL cipher suite codes			35
OPENSTATUS	CVDAS	INQ	4	LIKE	Yes	TCP/IP service status			4
OPENSTATUS Input/output valid values	OPEN, CLOSED, IMMCLOSE								

Table 341. TCPIPS resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
OPENSTATUS Output valid values	OPENING, CLOSING, IMMCLOSING								
PEAKCONNS	BINARY	STAT	4	AVG	No	Peak number of connections			13
PORT	BINARY	INQ	4	MAX	No	Port number			2
PRIVACY	CVDAS	INQ	4	LIKE	No	Privacy for clients using this service		E640+	33
PRIVACY Output valid values	REQUIRED, SUPPORTED, NOTSUPPORTED								
PROTOCOL	CVDAS	INQ	4	LIKE	No	Protocol			27
PROTOCOL Output valid values	HTTP, IIOP, USER, ECI, IPIC								
REALM	CHAR	INQ	56	DIFF	No	Basic authentication realm name		E640	38
RECEIVES	BINARY	STAT	4	AVG	No	Number of receives across all sockets			20
SENDS	BINARY	STAT	4	AVG	No	Number of sends across all sockets			18
SOCKETCLOSE	CVDAS	INQ	4	LIKE	No	Socket close action			22
SOCKETCLOSE Output valid values	WAIT, TIMEOUT								
SPECIFTCPS	CHAR	INQ	8	DIFF	No	Specific TCPIPService		E640 E650 E660 E670 E680	55
SSLTYPE	CVDAS	INQ	4	LIKE	No	Secure sockets layer (SSL) type			7
SSLTYPE Output valid values	SSL, NOSSL, CLIENTAUTH, ATTLAWARE								
TIMEOPEN	DATETIME	STAT	8	MAX	No	Local service open time			15
TRANATTACH	BINARY	STAT	4	AVG	No	Number of transactions attached			12
TRANSID	CHAR	INQ	4	DIFF	No	CICS transaction ID			5
TSQPREFIX	CHAR	INQ	6	DIFF	No	TS queue prefix			9
URM	CHAR	INQ	8	DIFF	Yes	User-replaceable module name			6

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## TDQDEF Resource Table

A CICS Definition that describes an intrapartition, extrapartition, indirect or remote transient data queue.

The **Primary** key field for this resource class is NAME. Note that a TDQ name can be only 4 characters long. The remainder of the 8-character NAME field should be padded with blank spaces.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

The following actions are supported:

#### INSTALL

Install a Transient Data Queue Definition.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

#### External resource name

CICSDefinitionTDQueue

#### Length

400

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

#### API view

No

#### CMAS context

No

#### SCOPE applies

No

#### Only query CMASs in workload

No

#### Object type

CICS Definition

#### Copybook identifier

EYUt3811

Table 342. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No
		CSDGROUP(value)	No
		RESGROUP(value)	No
CREATE		CSD	No
		RESGROUP(value)	No
UPDATE		CSD	No
REMOVE		CSD	No
PERFORM	INSTALL	FORCEINS(YES, NO)	No
SET		MODE(INTRA, EXTRA, IND)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No
		RELATED(value)	No
		STATECHK(YES, NO)	No
		TARGET(value)	Yes
		USAGE(LOCAL, REMOTE)	Yes
	ADDTGRP	RESGROUP(value)	Yes
	CSDINSTALL	None	N/A
	CSDCOPY	AS_RESOURCE(value)	No
		DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No



Table 343. TDQDEF FEEDBACK error codes

Value	Code	Description
1	TDQDEF_INV_DATA	Attribute data invalid
2	TDQDEF_REC_NOT_FOUND	Requested resource not found
4	TDQDEF_REC_EXISTS	Resource already exists
5	TDQDEF_REC_CHANGED	Resource definition already changed
6	TDQDEF_INV_RESTYPE	Invalid resource type
7	TDQDEF_INV_VER	Invalid resource version
11	TDQDEF_NON_MP	Maintenance point CMAS not available
12	TDQDEF_INV_CONTEXT	Context not found
13	TDQDEF_INCONSISTENT_SET	Inconsistent set condition
14	TDQDEF_INV_RESGROUP	Resource group not found
21	TDQDEF_INV_ACTION	Invalid action
22	TDQDEF_INV_RECADDR	Invalid record address
23	TDQDEF_INV_RECLEN	Invalid record length
24	TDQDEF_DIFF_VERSION	Different version
25	TDQDEF_EARLY_NAMELIST_END	Early name list end
26	TDQDEF_INV_NAMELIST	Invalid name list
27	TDQDEF_INV_NAME	Invalid name
28	TDQDEF_INV_MINNAME	Invalid minor name
29	TDQDEF_NOTIFY	Notify
30	TDQDEF_PARTIAL_INSTALL	Partial install
31	TDQDEF_NOTHING_INSTALLED	Nothing installed
32	TDQDEF_NO_TARGETS	No targets
33	TDQDEF_NO_RELATED	No related systems
34	TDQDEF_INV_TSCOPE	Invalid target scope
35	TDQDEF_INV_RSCOPE	Invalid related scope
36	TDQDEF_INV_USAGE	Invalid usage
37	TDQDEF_INV_MODE	Invalid mode
38	TDQDEF_INV_STATECHK	Invalid state check
39	TDQDEF_INV_FORCEINS	Invalid force install
40	TDQDEF_INV_NOTIFY	Invalid notify
41	TDQDEF_INV_OVERTYPE	Invalid oertype
42	TDQDEF_INV_OVRBLOCK	Invalid override block
43	TDQDEF_INV_ORSTRING	Invalid override string
44	TDQDEF_INV_STRNGTERM	Invalid string term
45	TDQDEF_INV_EMBEDTERM	Invalid embedded terminator
46	TDQDEF_INV_ATTRIBUTE	Invalid attribute
47	TDQDEF_INV_LITERAL	Invalid literal
48	TDQDEF_INV_ORSTGNA	Invalid override string
49	TDQDEF_SCOPE_REQUIRED	Scope required
50	TDQDEF_USAGE_CONFLICT	Usage conflict
51	TDQDEF_NODEFS_SELECTED	No definitions selected
52	TDQDEF_MORE_THAN_1_RELSYS	More than one related system
53	TDQDEF_MISSING_RELSYSID	Missing related system identifier
54	TDQDEF_SCOPE_CONFLICT	Scope conflict
55	TDQDEF_INV_CSDGROUP	Invalid CSD group
56	TDQDEF_REC_NOT_REMOVED	Record not removed
57	TDQDEF_INV_RESOURCE	Invalid resource
58	TDQDEF_INV_CICS_RESTYPE	Invalid CICS restype
59	TDQDEF_PARTIAL_ACTION	Partial action
60	TDQDEF_NOTHING_ACTIONED	Nothing actioned
61	TDQDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive

Table 343. TDQDEF FEEDBACK error codes (continued)

Value	Code	Description
62	TDQDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
63	TDQDEF_CSD_ERROR	CSD access error

Table 344. TDQDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
ATIFACILITY	EYUDA	CPSM	4	Yes	LIKE	Destination type	TERMINAL			16
ATIFACILITY Input/output valid values	TERMINAL, FILE, SYSTEM									
BLOCKFORMAT	CVDAS	CPSM	4	No	LIKE	Block option	NOTAPPLIC			9
BLOCKFORMAT Input/output valid values	BLOCKED, UNBLOCKED, NOTAPPLIC									
BLOCKSIZE	CHAR	CPSM	8	No	DIFF	Block size	0	0-32767		21
BUFNO	CHAR	CPSM	4	No	DIFF	Number of buffers	1	1-255	E510+	46
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			E640 E650	54
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	56
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification time				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	55
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				48
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	58
DATABUFFERS	CHAR	CPSM	4	No	DIFF	Number of buffers	1	1-255		23
DDNAME	CHAR	CPSM	8	Yes	DIFF	DD name				29
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		5
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		53
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				52
DEVFILENAME	CHAR	CPSM	40	Yes	DIFF	Device file name			EALL	37
DEVICEINIT	EYUDA	CPSM	4	Yes	LIKE	Open at initialization	INITIAL		E330+	47
DEVICEINIT Input/output valid values	INITIAL, DEFERRED									
DEVICETYPE	EYUDA	CPSM	4	Yes	LIKE	Type of device	DISK		E330+	44
DEVICETYPE Input/output valid values	DISK, TAPE, PRINTER									
DISPOSITION	EYUDA	CPSM	4	Yes	LIKE	Disposition	SHR			11
DISPOSITION Input/output valid values	SHR, OLD, MOD									
DSNAME	CHAR	CPSM	44	No	DIFF	DS name				30
ERROROPTION	EYUDA	CPSM	4	Yes	LIKE	Error option	IGNORE			12
ERROROPTION Input/output valid values	IGNORE, SKIP									
FACILITYID	CHAR	CPSM	4	No	DIFF	Facility identifier				31
FILELABEL	EYUDA	CPSM	4	Yes	LIKE	Write a standard label	NO		EALL	43

Table 344. TDQDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
FILELABEL Input/output valid values	YES, NO									
INDIRECTNAME	CHAR	CPSM	4	No	DIFF	Indirect transient data queue (TDQ) name				34
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name				7
OPENTIME	EYUDA	CPSM	4	Yes	LIKE	Data set open time	INITIAL			13
OPENTIME Input/output valid values	INITIAL, DEFERRED									
PRINTCONTROL	EYUDA	CPSM	4	No	LIKE	Printer control	N_A			14
PRINTCONTROL Input/output valid values	ASA, MACHINE, N_A									
PRINTERNUM	CHAR	CPSM	4	No	DIFF	Printer number	1403	1403-5203	E330+	45
RECORDFORMAT	CVDAS	CPSM	4	No	LIKE	Record format	UNDEFINED			10
RECORDFORMAT Input/output valid values	UNDEFINED, VARIABLE, FIXED									
RECORDSIZE	CHAR	CPSM	8	No	DIFF	Record size	1	0-32767		22
RECOVSTATUS	EYUDA	CPSM	4	Yes	LIKE	Recovery option	NO			17
RECOVSTATUS Input/output valid values	NO, PHYSICAL, LOGICAL									
REMOLELENGTH	CHAR	CPSM	8	No	DIFF	Remote length	1	0-32767		25
REMOTENAME	CHAR	CPSM	4	No	DIFF	Remote transient data queue (TDQ) name				35
REMOTESYSTEM	CHAR	CPSM	4	No	DIFF	System identifier of remote destination				36
RESIDENT	EYUDA	CPSM	4	Yes	LIKE	Queue is resident or non-resident	YES		E330+	41
RESIDENT Input/output valid values	YES, NO									
REUSE	EYUDA	CPSM	4	Yes	LIKE	Reuse control intervals	YES		E330+	40
REUSE Input/output valid values	YES, NO									
REWIND	EYUDA	CPSM	4	Yes	LIKE	Tape disposition	LEAVE			15
REWIND Input/output valid values	LEAVE, REREAD, NOTAPPLIC									
RSL	CHAR	CPSM	8	No	DIFF	Resource security value	PUBLIC	1-24	E330+	39
RSL Input/output valid values	PUBLIC									
SYSOUTCLASS	CHAR	CPSM	1	No	DIFF	System output (SYSOUT) class				27
TAPEMARK	EYUDA	CPSM	4	Yes	LIKE	Write a file tapemark	NO		EALL	42
TAPEMARK Input/output valid values	YES, NO									
TDQTYPE	EYUDA	CPSM	4	Yes	LIKE	Transient data queue (TDQ) type	EXTRA			26
TDQTYPE Input/output valid values	EXTRA, INTRA, INDIRECT, REMOTE									
TERMID	CHAR	CPSM	4	No	DIFF	Terminal name				38
TRANSID	CHAR	CPSM	4	No	DIFF	Transaction started at trigger level				32
TRIGGERLEVEL	CHAR	CPSM	8	No	DIFF	Trigger level	1	0-32767		24

Table 344. TDQDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
TYPEFILE	CVDAS	CPSM	4	Yes	LIKE	Data set type	INPUT			20
TYPEFILE Input/output valid values	INPUT, OUTPUT, RDBACK									
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				49
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				50
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				51
USERID	CHAR	CPSM	8	No	DIFF	User ID on the triggered transaction				33
WAIT	EYUDA	CPSM	4	Yes	LIKE	Wait for UOW resynchronization	N_A			18
WAIT Input/output valid values	YES, NO, N_A									
WAITACTION	EYUDA	CPSM	4	Yes	LIKE	In-doubt UOW wait action	N_A			19
WAITACTION Input/output valid values	REJECT, QUEUE, N_A									

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TDQGBL Resource Table

A CICS Resource that describes the general characteristics of transient data usage in an active CICS system being managed by CICSplex SM .

The **TDQGBL** resource class does not provide an explicit key attribute. The set of object instances returned is a function of the current scope in effect when the request is made.

There are no object specific actions for this resource class.

**External resource name**

CICSGlobalTDQueueStatistics

**Length**

120

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**  
EYUt0025

*Table 345. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A

*Table 346. TDQGBL resource table attributes*

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
ACCESSCNT	BINARY	STAT	4	AVG	Number of intrapartition accesses	3
BUFFERS	BINARY	STAT	4	AVG	Number of intrapartition buffers	1
BUFFWAITS	BINARY	STAT	4	AVG	Number of intrapartition buffer waits	5
CINUM	BINARY	STAT	4	AVG	Number of control intervals	8
CISIZE	BINARY	STAT	4	AVG	Control interval size	7
CURBUFFWAIT	BINARY	STAT	4	AVG	Number of current buffer waits	21
CURBUFVALDA	BINARY	STAT	4	AVG	Number of current buffers with valid data	22
CURCONBUFAC	BINARY	STAT	4	AVG	Number of current concurrent buffer accesses	20
CURCONSTRAC	BINARY	STAT	4	AVG	Number of current concurrent string accesses	23
CURSTRWAITS	BINARY	STAT	4	AVG	Number of current string waits	24
FMTWRITE	BINARY	STAT	4	AVG	Number of formatting writes	13
IOERRS	BINARY	STAT	4	AVG	Number of I/O errors	14
NOSPACECNT	BINARY	STAT	4	AVG	Number of times NOSPACE occurred	10
NUMCTRLINTV	BINARY	STAT	4	AVG	Number of control intervals in use	25
PEAKBWAIT	BINARY	STAT	4	AVG	Peak number of intrapartition buffer waits	6
PEAKCACCESS	BINARY	STAT	4	AVG	Peak number of concurrent intrapartition accesses	4
PEAKCIUSE	BINARY	STAT	4	AVG	Peak number of control intervals used	9
PEAKQACTV	BINARY	STAT	4	AVG	Peak number of queues that contain data	2
PEAKSTRACC	BINARY	STAT	4	AVG	Peak number of concurrent string accesses	17
PEAKSTRWAIT	BINARY	STAT	4	AVG	Peak number of string waits	19
READS	BINARY	STAT	4	AVG	Number of data set reads	12
STRACCESS	BINARY	STAT	4	AVG	Number of times string accessed	16
STRINGS	BINARY	STAT	4	AVG	Number of strings	15
STRNGWAITS	BINARY	STAT	4	AVG	Number of string waits	18
WRITES	BINARY	STAT	4	AVG	Number of writes to data set	11

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## TDQINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a transient data queue definition (TDQDEF) in a resource group (RESGROUP). A TDQDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is TDQGROUP.

The **Secondary** key field for this resource class is TDQNAME.

The **Tertiary** key field for this resource class is TDQVER.

There are no object specific actions for this resource class.

**External resource name**

**Length**

56

**Usage** API or Batch Utility or WUI

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt6156

Table 347. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

Table 348. TDQINGRP FEEDBACK error codes

Value	Code	Description
1	TDQINGRP_INV_DATA	Attribute data invalid
2	TDQINGRP_REC_NOT_FOUND	Requested resource not found
4	TDQINGRP_REC_EXISTS	Resource already exists
6	TDQINGRP_INV_RESTYPE	Invalid resource type
7	TDQINGRP_INV_VER	Invalid resource version
11	TDQINGRP_NON_MP	Maintenance point CMAS not available
12	TDQINGRP_INV_CONTEXT	Context not found
21	TDQINGRP_INCONSISTENT_SET	Inconsistent set
22	TDQINGRP_DIFF_VERSION	Different version
23	TDQINGRP_INV_NAME	Invalid name
24	TDQINGRP_INV_MINNAME	Invalid minor name

Table 349. TDQINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>TDQGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name	5
<b>TDQNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	TDQ definition name	6
<b>TDQVER-3</b>	BINARY	CPSM	1	Yes	AVG	TDQ definition version	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TERMDEF Resource Table

A CICS Definition that describes a terminal device with which CICS is to communicate.

The **Primary** key field for this resource class is NAME. A terminal name can be only 4 characters long. The remainder of the 8-character NAME field should be padded with blank spaces.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

The following actions are supported:

**INSTALL**

Install a Terminal Definition.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

**External resource name**

CICSDefinitionTerminal

**Length**

640

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**  
CICS Definition  
**Copybook identifier**  
EYUt3812

*Table 350. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No
		CSDGROUP(value)	No
		RESGROUP(value)	No
CREATE		CSD	No
		RESGROUP(value)	No
UPDATE		CSD	No
REMOVE		CSD	No
PERFORM	INSTALL	FORCEINS(YES, NO)	No
SET		MODE(value)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No
		RELATED(value)	No
		STATECHK(YES, NO)	No
		TARGET(value)	Yes
		USAGE(LOCAL)	Yes
	ADDTGRP	RESGROUP(value)	Yes
	CSDINSTALL	None	N/A
	CSDCOPY	AS_RESOURCE(value)	No
		DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No

*Table 351. TERMDEF FEEDBACK error codes*

Value	Code	Description
1	TERMDEF_INV_DATA	Attribute data invalid
2	TERMDEF_REC_NOT_FOUND	Requested resource not found
4	TERMDEF_REC_EXISTS	Resource already exists
5	TERMDEF_REC_CHANGED	Resource definition already changed
6	TERMDEF_INV_RESTYPE	Invalid resource type
7	TERMDEF_INV_VER	Invalid resource version
11	TERMDEF_NON_MP	Maintenance point CMAS not available
12	TERMDEF_INV_CONTEXT	Context not found
13	TERMDEF_INCONSISTENT_SET	Inconsistent set condition
14	TERMDEF_INV_RESGROUP	Resource group not found
21	TERMDEF_INV_ACTION	Invalid action
22	TERMDEF_INV_RECADDR	Invalid record address
23	TERMDEF_INV_RECLLEN	Invalid record length
24	TERMDEF_DIFF_VERSION	Different version
25	TERMDEF_EARLY_NAMELIST_END	Early name list end
26	TERMDEF_INV_NAMELIST	Invalid name list
27	TERMDEF_INV_NAME	Invalid name
28	TERMDEF_INV_MINNAME	Invalid minor name
29	TERMDEF_NOTIFY	Notify
30	TERMDEF_PARTIAL_INSTALL	Partial install
31	TERMDEF_NOTHING_INSTALLED	Nothing installed



Table 351. TERMDEF FEEDBACK error codes (continued)

Value	Code	Description
32	TERMDEF_NO_TARGETS	No targets
33	TERMDEF_NO_RELATED	No related systems
34	TERMDEF_INV_TSCOPE	Invalid target scope
35	TERMDEF_INV_RSCOPE	Invalid related scope
36	TERMDEF_INV_USAGE	Invalid usage
37	TERMDEF_INV_MODE	Invalid mode
38	TERMDEF_INV_STATECHK	Invalid state check
39	TERMDEF_INV_FORCEINS	Invalid force install
40	TERMDEF_INV_NOTIFY	Invalid notify
41	TERMDEF_INV_OVERTYPE	Invalid oertype
42	TERMDEF_INV_OVRBLOCK	Invalid override block
43	TERMDEF_INV_ORSTRING	Invalid override string
44	TERMDEF_INV_STRNGTERM	Invalid string terminator
45	TERMDEF_INV_EMBEDTERM	Invalid embedded terminator
46	TERMDEF_INV_ATTRIBUTE	Invalid attribute
47	TERMDEF_INV_LITERAL	Invalid literal
48	TERMDEF_INV_ORSTGNA	Invalid override string
49	TERMDEF_SCOPE_REQUIRED	Scope required
50	TERMDEF_USAGE_CONFLICT	Usage conflict
51	TERMDEF_NODEFS_SELECTED	No definitions selected
52	TERMDEF_MORE_THAN_1_RELSYS	More than one related system
53	TERMDEF_MISSING_RELSYSID	Missing related system identifier
54	TERMDEF_SCOPE_CONFLICT	Scope conflict
55	TERMDEF_INV_CSDGROUP	Invalid CSD group
56	TERMDEF_REC_NOT_REMOVED	Record not removed
57	TERMDEF_INV_RESOURCE	Invalid resource
58	TERMDEF_INV_CICS_RESTYPE	Invalid CICS restype
59	TERMDEF_PARTIAL_ACTION	Partial action
60	TERMDEF_NOTHING_ACTIONED	Nothing actioned
61	TERMDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive
62	TERMDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
63	TERMDEF_CSD_ERROR	CSD access error

Table 352. TERMDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
ALTPRINTCOPY	EYUDA	CPSM	4	Yes	LIKE	Hardware COPY feature for alternate printer	NO			10
ALTPRINTCOPY Input/output valid values	YES, NO									
ALTPRINTER	CHAR	CPSM	4	No	DIFF	Alternate printer name				9
ASSOCPRNTR	CHAR	CPSM	4	No	DIFF	Associated printer				58
ASYNCPBS	CHAR	CPSM	8	No	DIFF	OS/2 asynchronous line speed (bits per second)			EALL	78
ASYNCPBS Input/output valid values	110, 150, 300, 600, 1200, 1800, 2400, 3600, 4800, 9600, 19200									
ASYNCPORT	EYUDA	CPSM	4	No	LIKE	3151 asynchronous port (OS/2)			EALL	77

Table 352. TERMDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
ASYNCPORT Input/output valid values	COM1, COM2, COM3, COM4, COM5, COM6, COM7, COM8									
ATI	EYUDA	CPSM	4	No	LIKE	Automatic transaction initialization allowed	NO		EALL	68
ATI Input/output valid values	YES, NO									
ATTACHSEC	EYUDA	CPSM	4	Yes	LIKE	Level of attach-time security	LOCAL			11
ATTACHSEC Input/output valid values	LOCAL, IDENTIFY, VERIFY, PERSISTENT, MIXIDPE									
AUTOCONNECT	EYUDA	CPSM	4	No	LIKE	Autoconnect to occur for terminal	NO		EALL	69
AUTOCONNECT Input/output valid values	YES, NO, ALL									
AUTOINSMODEL	EYUDA	CPSM	4	Yes	LIKE	Model for autoinstall option	NO			12
AUTOINSMODEL Input/output valid values	YES, NO, ONLY									
AUTOINSNAME	CHAR	CPSM	8	No	DIFF	Name of autoinstall model definition				13
BINDPASSWORD	HIDCHAR	CPSM	16	No	DIFF	Bind password				28
BINDSECURITY	EYUDA	CPSM	4	Yes	LIKE	Bind-time security	NO			14
BINDSECURITY Input/output valid values	YES, NO									
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			E640 E650	87
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	89
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	88
CODEPAGE	CHAR	CPSM	8	No	DIFF	Code page		1-65534	EALL	76
COLOR	EYUDA	CPSM	4	No	LIKE	Extended color feature	NO		EALL	71
COLOR Input/output valid values	YES, NO									
CONSNAM	CHAR	CPSM	8	No	DIFF	Console name				16
CONSOLE	CHAR	CPSM	4	No	DIFF	Console ID		0-250	E640+	15
CONSOLE Input/output valid values	NO									
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				59
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	91
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		5
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		86
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				63
FULLSCREEN	EYUDA	CPSM	4	No	LIKE	Window style (OS/2)			EALL	75
FULLSCREEN Input/output valid values	PMWINDOW, FULLSCREEN									

Table 352. TERMDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
GCHARCODE	CHAR	CPSM	8	No	DIFF	Graphic character set code	0	0-65535	EALL	70
HIGHLITE	EYUDA	CPSM	4	No	LIKE	Extended highlight supported	NO		EALL	72
HIGHLITE Input/output valid values	YES, NO									
INSERVICE	EYUDA	CPSM	4	Yes	LIKE	Terminal inservice	YES			32
INSERVICE Input/output valid values	YES, NO									
KATAKANA	EYUDA	CPSM	4	No	LIKE	Katakana feature supported	NO		EALL	73
KATAKANA Input/output valid values	YES, NO									
MODENAME	CHAR	CPSM	8	No	DIFF	Logmode name				17
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name				7
NATLANG	CHAR	CPSM	1	No	DIFF	Language for NLS-enabled messages				46
NETNAME	CHAR	CPSM	8	No	DIFF	VTAM network name				18
OPERID	CHAR	CPSM	3	No	DIFF	Operator identifier for BMS			E330+	47
OPERPRIORITY	CHAR	CPSM	4	No	DIFF	Operator priority	0	0-255	E330+	33
OPERRSL	CHAR	CPSM	50	No	DIFF	Operator resource security keys			E330+	64
OPERSEC	CHAR	CPSM	150	No	DIFF	Operator transaction security keys			E330+	65
OS2TERMTYP	EYUDA	CPSM	4	No	LIKE	Terminal type (OS/2)			EALL	83
OS2TERMTYP Input/output valid values	3270TERM, 3270PRNT, 3151TERM, 3270DBTM, 3270DBPR, SEQTERM									
POOL	CHAR	CPSM	8	No	DIFF	Pool name for pipeline terminal				19
PRINCLSMODE	EYUDA	CPSM	4	No	LIKE	Printer close mode			EALL	84
PRINCLSMODE Input/output valid values	EOF, EOT									
PRINTEDMSG	EYUDA	CPSM	4	No	LIKE	Send messages to printer	NO		EALL	56
PRINTEDMSG Input/output valid values	YES, NO									
PRINTER	CHAR	CPSM	4	No	DIFF	Printer name				20
PRINTERCOPY	EYUDA	CPSM	4	Yes	LIKE	Hardware copy feature	NO			31
PRINTERCOPY Input/output valid values	YES, NO									
PRINTIMMED	EYUDA	CPSM	4	No	LIKE	Send end of report indicator	NO		EALL	57
PRINTIMMED Input/output valid values	YES, NO									
REMOTENAME	CHAR	CPSM	8	No	DIFF	Terminal name in the remote system				23
REMOTESYSNET	CHAR	CPSM	8	No	DIFF	Remote system network name				22
REMOTESYSTEM	CHAR	CPSM	4	No	DIFF	Remote system name				21
SCRHIGH	CHAR	CPSM	4	No	DIFF	Screen height	24	1-66	EALL	80

Table 352. TERMDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
SCRWIDTH	CHAR	CPSM	4	No	DIFF	Screen width	80	1-132	EALL	81
SECURITYNAME	CHAR	CPSM	8	No	DIFF	Security name of the remote system				24
SOLICITED	EYUDA	CPSM	4	No	LIKE	Solicited messages	NO		EALL	85
SOLICITED Input/output valid values	NO, YES									
SPOOLDEST	CHAR	CPSM	8	No	DIFF	Spool destination			EALL	54
SPOOLPRTRSL	CHAR	CPSM	8	No	DIFF	Spool print resource security level (RSL)	PUBLIC	1-24	EALL	52
SPOOLPRTRSL Input/output valid values	PUBLIC									
SPOOLPR TTO	CHAR	CPSM	4	No	DIFF	Spool printer inactive time allowed	0	0-59	EALL	53
SPOOLTO	CHAR	CPSM	8	No	DIFF	Default spool printer name			EALL	55
TASKLIMIT	CHAR	CPSM	8	No	DIFF	Concurrent task limit for pipeline session		1-32767		29
TASKLIMIT Input/output valid values	NO									
TERMPRIORITY	CHAR	CPSM	4	No	DIFF	Terminal priority	0	0-255		30
TRANSACTION	CHAR	CPSM	4	No	DIFF	Fixed transaction ID				25
TYPETERM	CHAR	CPSM	8	Yes	DIFF	Typeterm definition name				26
UPCASETR	EYUDA	CPSM	4	No	LIKE	Uppercase translation			EALL	82
UPCASETR Input/output valid values	YES, NO, TRANID									
USEDFLTUSER	EYUDA	CPSM	4	No	LIKE	Use default user	N_A			67
USEDFLTUSER Input/output valid values	NO, YES, N_A									
USERAREALEN	CHAR	CPSM	4	No	DIFF	Length of the user area for the terminal	0	0-255	EALL	74
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				60
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				61
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				62
USERID	CHAR	CPSM	8	No	DIFF	User ID				27
WSSETUP	CHAR	CPSM	8	No	DIFF	Workstation setup (OS/2)			EALL	79

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

---

## TERMNL Resource Table

A CICS Resource that describes a terminal in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is TERMID.

The following actions are supported:

### ACQUIRE

Acquire a terminal.

### CANCEL

Cancel AID queuing for a terminal.

### DISCARD

Discard a terminal.

### FORCEPURGE

Force transactions associated with a terminal to be purged immediately.

### INSERVICE

Set a terminal in service.

**KILL** Kill the transactions associated with the terminal.

**Note:** Kill can lead to unpredictable results and should be used only in exceptional circumstances.

### OUTSERVICE

Set a terminal out of service.

### PURGE

Purge transactions associated with a terminal.

### RELEASE

Release a terminal.

These actions require no unique parameter data.

### External resource name

CICSTerminal

### Length

456

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

### API view

Yes

### CMAS context

No

### SCOPE applies

Yes

### Only query CMASs in workload

No

### Object type

CICS Resource

### Copybook identifier

EYUt0019

Table 353. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM	DISCARD	None	N/A
SET	ACQUIRE	None	N/A
	INSERVICE	None	N/A
	OUTSERVICE	None	N/A
	PURGE	None	N/A
	FORCEPURGE	None	N/A
	CANCEL	None	N/A
	RELEASE	None	N/A
	KILL	None	N/A

Table 354. TERMNL FEEDBACK error codes

Value	Code	Description
21	TERMNL_ACTNOT_SUPPORTED	Action not supported

Table 355. TERMNL resource table attributes

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name		
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release		
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved		
ACCESSMETHOD	CVDAS	INQ	4	LIKE	No	Access method		5
ACCESSMETHOD Output valid values	VTAM, BSAM, BTAMES, BGAM, TCAM, TCAMSNA, CONSOLE, NETBIOS, TCPIP, RPC, NOTAPPLIC							
ACQSTATUS	CVDAS	INQ	4	LIKE	Yes	Acquire status		2
ACQSTATUS Input/output valid values	ACQUIRED, RELEASED, NOTAPPLIC							
ACQSTATUS Input valid values	COLDACQ							
ACQSTATUS Output valid values	ACQUIRING, RELEASING							
ALTPAGEHT	BINARY	INQ	2	AVG	No	Alternate page height		48
ALTPAGEWD	BINARY	INQ	2	AVG	No	Alternate page width		49
ALTPRINTER	CHAR	INQ	4	DIFF	Yes	Alternate printer		50
ALTPTRCOPYST	CVDAS	INQ	4	LIKE	Yes	Hardware COPY feature for alternate printer		51
ALTPTRCOPYST Input/output valid values	ALTPTRCOPY, NOALTPTRCOPY							
ALTPTRCOPYST Output valid values	NOTAPPLIC							
ALTSCRNHT	BINARY	INQ	2	AVG	No	Alternate screen height		52
ALTSCRNWD	BINARY	INQ	2	AVG	No	Alternate screen width		53
ALTSUFFIX	CHAR	INQ	1	DIFF	No	Alternate-map-set suffix		92
APLKYBDST	CVDAS	INQ	4	LIKE	No	APL keyboard feature		54
APLKYBDST Output valid values	APLKYBD, NOAPLKYBD							
APLTEXTST	CVDAS	INQ	4	LIKE	No	APL text feature		55
APLTEXTST Output valid values	APLTEXT, NOAPLTEXT							
ASCII	CVDAS	INQ	4	LIKE	No	ASCII data stream type		95

Table 355. TERMNL resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
ASCII Output valid values	ASCII7, ASCII8, NOTAPPLIC							
ATISTATUS	CVDAS	INQ	4	LIKE	Yes	Automatic transaction initiation (ATI) status		3
ATISTATUS Input/output valid values	ATI, NOATI							
AUDALARMST	CVDAS	INQ	4	LIKE	No	Audible alarm feature		56
AUDALARMST Output valid values	AUDALARM, NOAUDALARM							
AUTOCONNECT	CVDAS	INQ	4	LIKE	No	Session binding status		96
AUTOCONNECT Output valid values	AUTOCONN, NONAUTOCONN, ALLCONN, NOTAPPLIC							
BACKTRANSST	CVDAS	INQ	4	LIKE	No	Background transparency feature		57
BACKTRANSST Output valid values	BACKTRANS, NOBACKTRANS							
COLORST	CVDAS	INQ	4	LIKE	No	Extended color feature		58
COLORST Output valid values	COLOR, NOCOLOR							
CONSOLE	CHAR	INQ	12	DIFF	No	Console ID		105
COPYST	CVDAS	INQ	4	LIKE	No	Copy feature in control unit		59
COPYST Output valid values	COPY, NOCOPY							
CORRELID	CHAR	INQ	8	DIFF	No	Correlation ID		102
CREATESESS	CVDAS	INQ	4	LIKE	Yes	Session creation status		4
CREATESESS Input/output valid values	CREATE, NOCREATE							
CREATESESS Output valid values	NOTAPPLIC							
DATASTREAM	CVDAS	INQ	4	LIKE	No	Device data stream type		97
DATASTREAM Output valid values	DS3270, SCS, NOTAPPLIC							
DEFPAGEHT	BINARY	INQ	2	AVG	No	Default page height		60
DEFPAGEWD	BINARY	INQ	2	AVG	No	Default page width		61
DEFSCRNHT	BINARY	INQ	2	AVG	No	Default screen height		62
DEFSCRNWD	BINARY	INQ	2	AVG	No	Default screen width		63
DEVICE	CVDAT	INQ	4	LIKE	No	Device type		7
DEVICE Output valid values	BATCHLU, BIPROG, BISYNCH, CDRDLPR, CONTNLU, HARDCOPY, INTACTLU, ISCMCONV, LUCMODGRP, LUCSESS, LUTYPE4, LUTYPE6, MAGTAPE, RESSYS, SDLC, SEQDISK, SYSTEM3, SYSTEM7, SYS7BSCA, TCONSOLE, TELETYPE, TTCAM, TWX3335, T1050, T1053, T2260L, T2260R, T2265, T2740, T2741BCD, T2741COR, T2770, T2780, T3275R, T3277L, T3277R, T3284L, T3284R, T3286L, T3286R, T3600BI, T3601, T3614, T3650ATT, T3735, T3650PIPE, T3650USER, T3653HOST, T3740, T3780, T3790, T3790SCSP, T3790UP, T7770, VIDEOTERM							
DEVICEST	CVDAS	INQ	4	LIKE	No	Device busy status	E330+	98
DEVICEST Output valid values	BUSY, NOTBUSY							
DISCREQST	CVDAS	INQ	4	LIKE	Yes	Disconnect Requests status		64
DISCREQST Input/output valid values	DISCREQ, NODISCREQ, NOTAPPLIC							
DUALCASEST	CVDAS	INQ	4	LIKE	No	Dual-case keyboard status		65
DUALCASEST Output valid values	DUALCASE, NODUALCASE							
EXITTRACING	CVDAS	INQ	4	LIKE	Yes	Exit tracing status		8
EXITTRACING Input/output valid values	EXITTRACE, NOEXITTRACE							
EXITTRACING Output valid values	NOTAPPLIC							
EXTENDEDST	CVDAS	INQ	4	LIKE	No	Extended data stream support		66

Table 355. TERMNL resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
EXTENDEDSDST Output valid values	EXTENDEDSD, NOEXTENDEDSD							
FMH ParmST	CVDAS	INQ	4	LIKE	No	Function management header (FMH) option		67
FMH ParmST Output valid values	FMH Parm, NOFMH Parm							
FORMFEEDST	CVDAS	INQ	4	LIKE	No	Forms feed feature		68
FORMFEEDST Output valid values	FORMFEED, NOFORMFEED							
GCHARS	BINARY	INQ	2	AVG	No	Graphic character set global ID		9
GCODES	BINARY	INQ	2	AVG	No	Code page global ID		10
HFORMST	CVDAS	INQ	4	LIKE	No	Horizontal form feature		70
HFORMST Output valid values	HFORM, NOHFORM							
HIGHLIGHTST	CVDAS	INQ	4	LIKE	No	Extended highlight feature		69
HIGHLIGHTST Output valid values	HIGHLIGHT, NOHIGHLIGHT							
INPMSCNT	BINARY	STAT	4	AVG	No	Number of input messages		37
KATAKANAST	CVDAS	INQ	4	LIKE	No	Katakana terminal		71
KATAKANAST Output valid values	KATAKANA, NOKATAKANA							
LIGHTPENST	CVDAS	INQ	4	LIKE	No	Selector pen feature		72
LIGHTPENST Output valid values	LIGHTPEN, NOLIGHTPEN							
LINKSYSTEM	CHAR	INQ	4	DIFF	No	Real link connection for remote TOR		104
MAPNAME	CHAR	INQ	7	DIFF	Yes	Last map referenced in SEND MAP command		100
MAPSETNAME	CHAR	INQ	8	DIFF	Yes	Last map set referenced in SEND MAP command		99
MODENAME	CHAR	INQ	8	DIFF	No	Mode name		11
MSRCONTROLST	CVDAS	INQ	4	LIKE	No	Magnetic slot reader		73
MSRCONTROLST Output valid values	MSRCONTROL, NOMSRCONTROL							
NATLANG	CHAR	INQ	1	AVG	No	National language ID		13
NATURE	CVDAT	INQ	4	LIKE	No	Terminal definition type		12
NATURE Output valid values	TERMINAL, MODEL, SESSION, SURROGATE							
NETNAME	CHAR	INQ	8	DIFF	No	Network name		14
NEXTTRANSID	CHAR	INQ	4	DIFF	Yes	Next transaction ID		31
NQNAME	CHAR	INQ	17	DIFF	No	Network qualified name		106
OBFORMATST	CVDAS	INQ	4	LIKE	Yes	Outboard formatting support		74
OBFORMATST Input/output valid values	OBFORMAT, NOOBFORMAT							
OOPERIDST	CVDAS	INQ	4	LIKE	No	Outboard operator IDs used		75
OOPERIDST Output valid values	OOPERID, NOOOPERID							
OPERID	CHAR	INQ	3	DIFF	No	Operator ID		15
OUTLINEST	CVDAS	INQ	4	LIKE	No	Field outlining support		76
OUTLINEST Output valid values	OUTLINE, NOOUTLINE							
OUTMSGCNT	BINARY	STAT	4	AVG	No	Number of output messages		38
PAGEHT	BINARY	INQ	4	AVG	No	Current page height		77
PAGESTATUS	CVDAS	INQ	4	LIKE	Yes	BMS paging status		16



Table 355. TERMNL resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
PAGESTATUS Input/output valid values	PAGEABLE, AUTOPAGEABLE							
PAGEWD	BINARY	INQ	4	AVG	No	Current page width		78
PARTITIONSST	CVDAS	INQ	4	LIKE	No	Partitions status		79
PARTITIONSST Output valid values	PARTITIONS, NOPARTITIONS							
PMSGCNT	BINARY	STAT	4	AVG	No	Total pipeline-throwaway count		43
PMSGCONSEC	BINARY	STAT	2	AVG	No	Maximum pipeline-throwaway count		45
PMSGGRPCNT	BINARY	STAT	4	AVG	No	Number of consecutive pipeline-throwaways		44
POLLCNT	DECIMAL	STAT	4	AVG	No	Number of polls sent to terminal		36
PRINTADAPTST	CVDAS	INQ	4	LIKE	No	Printer adaptor feature		80
PRINTADAPTST Output valid values	PRINTADAPT, NOPRINTADAPT							
PRINTER	CHAR	INQ	4	DIFF	Yes	Printer name		81
PROGSYMBOLST	CVDAS	INQ	4	LIKE	No	Programmed symbol facility support		82
PROGSYMBOLST Output valid values	PROGSYMBOL, NOPROGSYMBOL							
PRTCOPYST	CVDAS	INQ	4	LIKE	Yes	Hardware COPY feature for preferred printer		83
PRTCOPYST Input/output valid values	PRTCOPY, NOPRTCOPY							
PRTCOPYST Output valid values	NOTAPPLIC							
QUERYST	CVDAS	INQ	4	LIKE	No	Query option		84
QUERYST Output valid values	ALLQUERY, COLDQUERY, NOQUERY							
RELREQST	CVDAS	INQ	4	LIKE	Yes	Release Request status		85
RELREQST Input/output valid values	RELREQ, NORELREQ, NOTAPPLIC							
REMOTENAME	CHAR	INQ	4	DIFF	No	Name of terminal in remote CICS		34
REMOTESYSNET	CHAR	INQ	8	DIFF	No	Remote TOR net name		103
REMOTESYSTEM	CHAR	INQ	4	DIFF	No	Remote system name		35
SCREENHEIGHT	BINARY	INQ	2	AVG	No	Screen height		17
SCREENWIDTH	BINARY	INQ	2	AVG	No	Screen width		18
SECURITY	CVDAS	INQ	4	LIKE	No	Preset security status		6
SECURITY Output valid values	PRESETSEC, NOPRESETSEC							
SERVSTATUS	CVDAS	INQ	4	LIKE	Yes	Service status		19
SERVSTATUS Input/output valid values	INSERVICE, OUTSERVICE							
SERVSTATUS Output valid values	GOINGOUT							
SESSIONTYPE	CVDAS	INQ	4	LIKE	No	Session type		32
SESSIONTYPE Output valid values	LU61, APPCSINGLE, APPCPARALLEL, NOTAPPLIC							
SIGNONSTATUS	CVDAS	INQ	4	LIKE	No	Sign-on status		20
SIGNONSTATUS Output valid values	SIGNEDON, SIGNEDOFF							
SOSIST	CVDAS	INQ	4	LIKE	No	Mixed EBCDIC/DBCS support		86

Table 355. TERMNL resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Attr ID
SOSIST Output valid values	SOSI, NOSOSI							
STGVCNT	BINARY	STAT	4	AVG	No	Number of storage violations		40
STORAGE	BINARY	STAT	4	AVG	No	Terminal input-output area (TIOA) storage		94
TASKID	BINARY	INQ	4	AVG	No	Id of task currently executing at terminal		21
TCAMCONTROL	HEX	INQ	1	LIKE	Yes	TCAM message control flag		47
<b>TERMD-1</b>	CHAR	INQ	4	DIFF	No	Terminal ID		1
TERMMODEL	CNUMERIC	INQ	2	AVG	No	Terminal model number		27
TERMPRIORITY	BINARY	INQ	4	AVG	Yes	Terminal priority		22
TERMTYPE	BINARY	STAT	1	AVG	No	Terminal type		46
TERRCNT	BINARY	STAT	4	AVG	No	Number of transaction errors		42
TEXTKYBDST	CVDAS	INQ	4	LIKE	No	Text-keyboard feature		87
TEXTKYBDST Output valid values	TEXTKYBD, NOTEXTKYBD							
TEXTPRINTST	CVDAS	INQ	4	LIKE	No	Text-print feature		88
TEXTPRINTST Output valid values	TEXTPRINT, NOTEXTPRINT							
TRACING	CVDAS	INQ	4	LIKE	Yes	Terminal tracing type		23
TRACING Input/output valid values	SPECTRACE, STANTRACE							
TRANCNT	BINARY	STAT	4	AVG	No	Number of transactions		39
TRANSACTION	CHAR	INQ	4	DIFF	No	Current transaction name		24
TTISTATUS	CVDAS	INQ	4	LIKE	Yes	Terminal transaction initiation (TTI) status		25
TTISTATUS Input/output valid values	TTI, NOTTI							
UCTRANST	CVDAS	INQ	4	LIKE	Yes	Uppercase translate option support		89
UCTRANST Input/output valid values	UCTRAN, NOUCTRAN, TRANIDONLY							
USERAREA	ADDRESS	INQ	4	AVG	No	Terminal user area (TCTUA) address		26
USERAREALEN	BINARY	INQ	2	AVG	No	Terminal user area (TCTUA) length		28
USERID	CHAR	INQ	8	DIFF	No	User ID		29
USERNAME	CHAR	INQ	20	DIFF	No	User name		33
VALIDATIONST	CVDAS	INQ	4	LIKE	No	Extended validation feature		90
VALIDATIONST Output valid values	VALIDATION, NOVALIDATION							
VFORMST	CVDAS	INQ	4	LIKE	No	Vertical form feature		91
VFORMST Output valid values	VFORM, NOVFORM							
XERRCNT	BINARY	STAT	4	AVG	No	Number of transmission errors or disconnects		41
ZCPTRACING	CVDAS	INQ	4	LIKE	Yes	ZCP tracing status		30
ZCPTRACING Input/output valid values	ZCPTRACE, NOZCPTRACE							
ZCPTRACING Output valid values	NOTAPPLIC							

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific

characteristics of a resource class.

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## TRANCLAS Resource Table

A CICS Resource that describes a transaction class in an active CICS system being managed by CICSplex SM.

The TRANCLAS resource class can be used to request object instances that were identified as TCLASS objects in versions of CICS before 4.1.

The **Primary** key field for this resource class is NAME.

The following action is supported:

### DISCARD

Discard a transaction class.

This action requires no unique parameter data.

### External resource name

CICSTransactionClass

### Length

176

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

### API view

Yes

### CMAS context

No

### SCOPE applies

Yes

### Only query CMASs in workload

No

### Object type

CICS Resource

### Copybook identifier

EYUt0051

Table 356. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM	DISCARD	None	N/A
SET			

Table 357. TRANCLAS FEEDBACK error codes

Value	Code	Description
1	TRANCLAS_INV_DATA	Attribute data invalid

Table 358. TRANCLAS resource table attributes

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved			
ACCEPTAFTRQD	BINARY	STAT	4	AVG	No	Number of transactions accepted after being queued			10
ACCEPTIMMED	BINARY	STAT	4	AVG	No	Number of transactions accepted immediately			9
ACTIVE	BINARY	INQ	4	AVG	No	Number of transactions currently active in class			3
ACTIVEPEAK	BINARY	STAT	4	AVG	No	Peak number of active transactions			13
ATTACHES	BINARY	STAT	4	AVG	No	Total number of attach requests			6
BASDEFINEVER	BINARY	CPSM	1	AVG	No	BAS resource definition version	0	E640 E650	28
CHANGEAGENT	CVDAS	INQ	4	LIKE	No	Last modification agent		E640 E650	20
CHANGEAGENT Input/output valid values	CSDAPI, CSDBATCH, DREPAPI, DREPBATCH, CREATSPI, NOTAPPLIC								
CHANGEAGREL	CHAR	INQ	4	DIFF	No	Last modification agent release		E640 E650	21
CHANGETIME	DATETIME	INQ	8	MAX	No	Last modification time		E640 E650	23
CHANGEUSRID	CHAR	INQ	8	DIFF	No	Last modification user ID		E640 E650	19
CURQUEUEDTIME	INTTSTP	STAT	8	MAX	No	Total time transactions currently queued			18
DEFINESOURCE	CHAR	INQ	8	DIFF	No	Source of the resource definition		E640 E650	24
DEFINETIME	DATETIME	INQ	8	MAX	No	Creation time		E640 E650	25
INSTALLAGENT	CVDAS	INQ	4	LIKE	No	Installation agent		E640 E650	22
INSTALLAGENT Input/output valid values	CSDAPI, CREATSPI, GRPLIST								
INSTALLDEFS	BINARY	STAT	4	AVG	No	Number of transaction definitions installed			12
INSTALLTIME	DATETIME	INQ	8	MAX	No	Installation time		E640 E650	27
INSTALLUSRID	CHAR	INQ	8	DIFF	No	Installation user ID		E640 E650	26
MAXACTIVE	BINARY	INQ	4	AVG	Yes	Maximum number of transactions allowed in class			2
<b>NAME-1</b>	CHAR	INQ	8	DIFF	No	Transaction class name			1
PURGEIMMED	BINARY	STAT	4	AVG	No	Number of transactions purged due to threshold			7
PURGETHRESH	BINARY	INQ	4	AVG	Yes	Purge threshold			5
PURGEWHILEQD	BINARY	STAT	4	AVG	No	Number of transactions purged while queued			11
PURGTHRTIMES	BINARY	STAT	4	AVG	No	Number of times purge threshold met			16
QUEUED	BINARY	INQ	4	AVG	No	Number of transactions currently queued			4
QUEUEDPEAK	BINARY	STAT	4	AVG	No	Peak number of queued transactions			14

Table 358. TRANCLAS resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
QUEUE TIME	INTTSTP	STAT	8	MAX	No	Total time transactions queued			17
TIMESATMAX	BINARY	STAT	4	AVG	No	Times maximum active transactions reached			15
TOTQUEDCNT	BINARY	STAT	4	AVG	No	Total number of transactions queued			8

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TRANDEF Resource Table

A CICS Definition that describes how a transaction is to run.

The **Primary** key field for this resource class is NAME. Note that a transaction name can be only 4 characters long. The remainder of the 8-character NAME field should be padded with blank spaces.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

The following actions are supported:

**INSTALL**

Install a Transaction Definition.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

**External resource name**

CICSDefinitionTransaction

**Length**

576

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICS Definition

**Copybook identifier**

EYUt3813

Table 359. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No
		CSDGROUP(value)	No
		RESGROUP(value)	No
CREATE		CSD	No
		RESGROUP(value)	No
UPDATE		CSD	No
REMOVE		CSD	No
PERFORM	INSTALL	FORCEINS(YES, NO)	No
SET		MODE(DYNAM, STAT)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No
		RELATED(value)	No
		STATECHK(YES, NO)	No
		TARGET(value)	Yes
		USAGE(LOCAL, REMOTE)	Yes
	ADDTGRP	RESGROUP(value)	Yes
	CSDINSTALL	None	N/A
	CSDCOPY	AS_RESOURCE(value)	No
		DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No

Table 360. TRANDEF FEEDBACK error codes

Value	Code	Description
1	TRANDEF_INV_DATA	Attribute data invalid
2	TRANDEF_REC_NOT_FOUND	Requested resource not found
4	TRANDEF_REC_EXISTS	Resource already exists
5	TRANDEF_REC_CHANGED	Resource definition already changed
6	TRANDEF_INV_RESTYPE	Invalid resource type
7	TRANDEF_INV_VER	Invalid resource version
11	TRANDEF_NON_MP	Maintenance point CMAS not available
12	TRANDEF_INV_CONTEXT	Context not found
13	TRANDEF_INCONSISTENT_SET	Inconsistent set condition
14	TRANDEF_INV_RESGROUP	Resource group not found
21	TRANDEF_INV_ACTION	Invalid action
22	TRANDEF_INV_RECADDR	Invalid record address
23	TRANDEF_INV_RECLEN	Invalid record length
24	TRANDEF_DIFF_VERSION	Different version
25	TRANDEF_EARLY_NAMELIST_END	Early name list end
26	TRANDEF_INV_NAMELIST	Invalid name list
27	TRANDEF_INV_NAME	Invalid name
28	TRANDEF_INV_MINNAME	Invalid minor name
29	TRANDEF_NOTIFY	Notify
30	TRANDEF_PARTIAL_INSTALL	Partial install
31	TRANDEF_NOTHING_INSTALLED	Nothing installed
32	TRANDEF_NO_TARGETS	No targets
33	TRANDEF_NO_RELATED	No related systems
34	TRANDEF_INV_TSCOPE	Invalid target scope
35	TRANDEF_INV_RSCOPE	Invalid related scope
36	TRANDEF_INV_USAGE	Invalid usage

Table 360. TRANDEF FEEDBACK error codes (continued)

Value	Code	Description
37	TRANDEF_INV_MODE	Invalid mode
38	TRANDEF_INV_STATECHK	Invalid state check
39	TRANDEF_INV_FORCEINS	Invalid force install
40	TRANDEF_INV_NOTIFY	Invalid notify
41	TRANDEF_INV_OVERTYPE	Invalid oertype
42	TRANDEF_INV_OVRBLOCK	Invalid override block
43	TRANDEF_INV_ORSTRING	Invalid override string
44	TRANDEF_INV_STRNGTERM	Invalid string terminator
45	TRANDEF_INV_EMBEDTERM	Invalid embedded terminator
46	TRANDEF_INV_ATTRIBUTE	Invalid attribute
47	TRANDEF_INV_LITERAL	Invalid literal
48	TRANDEF_INV_ORSTGNA	Invalid override string
49	TRANDEF_SCOPE_REQUIRED	Scope required
50	TRANDEF_USAGE_CONFLICT	Usage conflict
51	TRANDEF_NODEFS_SELECTED	No definitions selected
52	TRANDEF_MORE_THAN_1_RELSYS	More than one related system
53	TRANDEF_MISSING_RELSYSID	Missing related system identifier
54	TRANDEF_SCOPE_CONFLICT	Scope conflict
55	TRANDEF_INV_CSDGROUP	Invalid CSD group
56	TRANDEF_REC_NOT_REMOVED	Record not removed
57	TRANDEF_INV_RESOURCE	Invalid resource
58	TRANDEF_INV_CICS_RESTYPE	Invalid CICS restype
59	TRANDEF_PARTIAL_ACTION	Partial action
60	TRANDEF_NOTHING_ACTIONED	Nothing actioned
61	TRANDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive
62	TRANDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
63	TRANDEF_CSD_ERROR	CSD access error

Table 361. TRANDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
ALIAS	CHAR	CPSM	4	No	DIFF	Alias name for transaction				9
BREXIT	CHAR	CPSM	8	No	DIFF	Bridge exit name				61
CHANGEAGENT	CV DAS	CPSM	4	No	LIKE	Last modification agent			E640 E650	66
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	68
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification time				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	67
CMDSEC	EYUDA	CPSM	4	Yes	LIKE	Command level security option	NO			16
CMDSEC Input/output valid values	YES, NO									
CONFDATA	EYUDA	CPSM	4	No	LIKE	Suppress user data in trace entries	NO			55

Table 361. TRANDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
CONFDATA Input/output valid values	YES, NO									
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				56
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	70
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		5
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		65
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				60
DTIMOUT	CHAR	CPSM	4	No	DIFF	Deadlock timeout value	NO	1-6800		41
DTIMOUT Input/output valid values	NO									
DUMP	EYUDA	CPSM	4	Yes	LIKE	Transaction dump option	YES			37
DUMP Input/output valid values	YES, NO									
DYNAMIC	EYUDA	CPSM	4	Yes	LIKE	Dynamic routing option	NO			38
DYNAMIC Input/output valid values	YES, NO									
EXTSEC	EYUDA	CPSM	4	No	LIKE	External security manager option	N_A		E330+	50
EXTSEC Input/output valid values	YES, NO, N_A									
FAILACTION	CVDAS	CPSM	4	No	LIKE	CICS failure action	BACKOUT			14
FAILACTION Input/output valid values	BACKOUT, COMMIT									
INDOUBT	CVDAS	CPSM	4	No	LIKE	In-doubt failure processing action	BACKOUT		E510+	15
INDOUBT Input/output valid values	BACKOUT, COMMIT, WAIT									
ISOLATE	EYUDA	CPSM	4	Yes	LIKE	Transaction isolation option	YES			36
ISOLATE Input/output valid values	YES, NO									
LOCALQ	EYUDA	CPSM	4	No	LIKE	Queueing on local system	N_A			22
LOCALQ Input/output valid values	YES, NO, N_A									
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name				7
OTSTIMEOUT	CHAR	CPSM	6	Yes	DIFF	Object transaction service (OTS) timeout (HHMMSS)	NO			64
PARTITIONSET	CHAR	CPSM	8	No	DIFF	Default application partition set				34
PRIMEDSIZE	CHAR	CPSM	8	No	DIFF	Primed storage allocation	0	0-65520	E330+	49
PRIORITY	CHAR	CPSM	4	No	DIFF	Transaction priority	1	0-255		39
PROFILE	CHAR	CPSM	8	No	DIFF	Transaction profile	DFHCICST			13
PROGRAM	CHAR	CPSM	8	No	DIFF	First program name				10
REMOTENAME	CHAR	CPSM	8	No	DIFF	Remote transaction name				11
REMOTESYSTEM	CHAR	CPSM	4	No	DIFF	Remote system name				12



Table 361. TRANDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
RESSEC	EYUDA	CPSM	4	Yes	LIKE	Resource security checking	NO			23
RESSEC Input/output valid values	YES, NO									
RESTART	EYUDA	CPSM	4	Yes	LIKE	Transaction restart facility	NO			25
RESTART Input/output valid values	YES, NO									
ROUTABLE	EYUDA	CPSM	4	Yes	LIKE	Dynamic routing status	NO			63
ROUTABLE Input/output valid values	YES, NO									
RSL	CHAR	CPSM	8	No	DIFF	Resource security value	0	0-24	E330+	54
RSL Input/output valid values	PUBLIC									
RSLC	EYUDA	CPSM	4	No	LIKE	Resource security level check	NO		E330+	53
RSLC Input/output valid values	YES, NO									
RUNAWAY	CHAR	CPSM	8	No	DIFF	Runaway timeout value	SYSTEM	0-2700000		40
RUNAWAY Input/output valid values	SYSTEM									
SECURE	EYUDA	CPSM	4	No	LIKE	Operator sign-on required	YES		EALL	51
SECURE Input/output valid values	YES, NO									
SHUTDOWN	CVDAS	CPSM	4	Yes	LIKE	Shutdown run status	DISABLED			17
SHUTDOWN Input/output valid values	ENABLED, DISABLED									
SPURGE	EYUDA	CPSM	4	Yes	LIKE	System purgeable option	NO			26
SPURGE Input/output valid values	YES, NO									
STATUS	CVDAS	CPSM	4	Yes	LIKE	Enabled status	ENABLED			18
STATUS Input/output valid values	ENABLED, DISABLED									
STORAGECLEAR	EYUDA	CPSM	4	Yes	LIKE	Storage clearance status	NO			24
STORAGECLEAR Input/output valid values	YES, NO									
TASKDATAKEY	CVDAS	CPSM	4	Yes	LIKE	Task data key	USER			19
TASKDATAKEY Input/output valid values	USER, CICS									
TASKDATALOC	CVDAS	CPSM	4	Yes	LIKE	Task data location	BELOW			20
TASKDATALOC Input/output valid values	BELOW, ANY									
TASKREQ	CHAR	CPSM	4	No	LIKE	Transaction initiation				21
TCLASS	CHAR	CPSM	4	No	DIFF	Transaction class number	NO	1-10	E410+	32
TCLASS Input/output valid values	NO									

Table 361. TRANDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
TPNAME	CHAR	CPSM	64	No	DIFF	APPC partner transaction name				46
TPURGE	EYUDA	CPSM	4	Yes	LIKE	Purgeable for terminal error option	NO			27
TPURGE Input/output valid values	YES, NO									
TRACE	EYUDA	CPSM	4	Yes	LIKE	Trace transaction activity option	YES			29
TRACE Input/output valid values	YES, NO									
TRANCLASS	CHAR	CPSM	8	No	DIFF	Transaction class name	DFHTCL00			31
TRANSEC	CHAR	CPSM	4	No	DIFF	Transaction security value	1	1-64	E330+	48
TRPROF	CHAR	CPSM	8	No	DIFF	Transaction routing profile	DFHCICSS			30
TWASIZE	CHAR	CPSM	8	No	DIFF	Size in bytes of transaction work area (TWA)	0	0-32767		33
USEALTSCRSIZ	EYUDA	CPSM	4	No	LIKE	Use alternate screen size	NO		EALL	52
USEALTSCRSIZ Input/output valid values	YES, NO									
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				57
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				58
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				59
WAIT	EYUDA	CPSM	4	Yes	LIKE	In-doubt wait option	YES			28
WAIT Input/output valid values	YES, NO									
WAITTIMEDD	CHAR	CPSM	3	No	DIFF	In-doubt wait time (days)	0	0-99		42
WAITTIMEHH	CHAR	CPSM	2	No	DIFF	In-doubt wait time (hours)	0	0-23		43
WAITTIMEMM	CHAR	CPSM	2	No	DIFF	In-doubt wait time (minutes)	0	0-59		44
XTPNAME	CHAR	CPSM	128	No	DIFF	Alternate partner transaction name (in hex)				47
XTRANID	CHAR	CPSM	8	No	DIFF	Alternate name (in hex) for initiating transaction				35

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## TRANDUMP Resource Table

A CICS Resource that describes a transaction dump code in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is TRANDUMPCODE.

Valid characters include uppercase characters (A-Z), lowercase characters (a-z), digits (0-9), and the special characters \$ @ # / % & ? ! : | ; , ¢ + \* ~ - and \_ . In

some cases, the characters < > . = and " are also valid depending on where you set them. Any lowercase characters you enter are converted to uppercase.

The following actions are supported:

**ADD** Add a transaction dump code.

The parameter data for the ADD action is:

```
PARM('CODE(code) [SCOPE(cvda1)] [MAX(nnn)]  
      [SHUT(cvda2)] [SDUMP(cvda3)] [TDUMP(cvda4)]'.')
```

where:

- *code* is required and must be the 1- to 4-character transaction dump code.
- *cvda1* is one of the following valid CVDA values for the dump scope option:
  - LOCAL
  - RELATED
- *nnn* is the maximum number of dumps, from 0 - 999.
- *cvda2* is one of the following valid CVDA values for the shutdown option:
  - SHUTDOWN
  - NOSHUTDOWN
- *cvda3* is one of the following valid CVDA values for the system dump option:
  - SYSDUMP
  - NOSYSDUMP
- *cvda4* is one of the following valid CVDA values for the transaction dump option:
  - TRANDUMP
  - NOTRANDUMP

**DELETE**

Remove a transaction dump code.

**RESET**

Reset transaction dump code values.

**External resource name**

CICSTransactionDump

**Length**

64

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0005

Table 362. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM	ADD	CODE(value)	Yes
SET		MAX(value)	Yes
		SCOPE(LOCAL, RELATED)	No
		SDUMP(SYSDUMP, NOSYSDUMP)	No
		SHUT(SHUTDOWN, NOSHUTDOWN)	No
		TDUMP(TRANSDUMP, NOTRANDUMP)	No
	RESET	None	N/A
	DELETE	None	N/A

Table 363. TRANSDUMP FEEDBACK error codes

Value	Code	Description
1	TRANSDUMP_ADD_FAILED	Add failed

Table 364. TRANSDUMP resource table attributes

Name	Datatype	Source	Len	Sum	Set	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved	
CURRENT	BINARY	INQ	4	AVG	No	Number of dump calls since last reset	2
MAXIMUM	BINARY	INQ	4	AVG	Yes	Maximum number of dump calls	3
SDMPSUPP	BINARY	STAT	4	AVG	No	Number of system dumps suppressed	10
SDMPTOTL	BINARY	STAT	4	AVG	No	Number of system dumps taken	9
SHUTOPTION	CVDAS	INQ	4	LIKE	Yes	Shutdown option	4
SHUTOPTION Input/output valid values	SHUTDOWN, NOSHUTDOWN						
SYSDUMPING	CVDAS	INQ	4	LIKE	Yes	System dump option	5
SYSDUMPING Input/output valid values	SYSDUMP, NOSYSDUMP						
TDMPSUPP	BINARY	STAT	4	AVG	No	Number of transaction dumps suppressed	8
TDMPTOTL	BINARY	STAT	4	AVG	No	Number of transaction dumps taken	7
TDUMPSCOPE	CVDAS	INQ	4	LIKE	Yes	Transaction dump scope type	11
TDUMPSCOPE Input/output valid values	LOCAL, RELATED						
<b>TRANSDUMP CODE-1</b>	CHAR	INQ	4	DIFF	No	Transaction dump code	1
TRANSDUMPING	CVDAS	INQ	4	LIKE	Yes	Transaction dump option	6
TRANSDUMPING Input/output valid values	TRANSDUMP, NOTRANDUMP						

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TRANGRP Resource Table

A CPSM Workload Manager Definition that describes the separation and or affinity controls for a set of dynamic transactions. The TRANGRP object is also the binding target for the DTRINGRP associator object.

The **Primary** key field for this resource class is NAME.

**External resource name**

CICSTransactionGroup

**Length**

144

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSPlex SM Definition

**Copybook identifier**

EYUt3509

Table 365. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
UPDATE		None	N/A
REMOVE		None	N/A
PERFORM	ADDTRAN	PCONV(N_A, START, END)	No
SET		TRANID(value)	Yes

Table 366. TRANGRP FEEDBACK error codes

Value	Code	Description
1	TRANGRP_INV_DATA	Attribute data invalid
2	TRANGRP_REC_NOT_FOUND	Requested resource not found
3	TRANGRP_INV_REFERENCE	Trangrp does not exist
4	TRANGRP_REC_EXISTS	Resource already exists
5	TRANGRP_REC_CHANGED	Resource definition already changed
21	TRANGRP_ABEND_COMBINATION	Abend load must be less than abend probability

Table 367. TRANGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
ABENDCRIT	BINARY	CPSM	1	Yes	AVG	Acceptable level of abend probability	0	2-99	12

Table 367. TRANGRP resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
ABENDTHRESH	BINARY	CPSM	1	Yes	AVG	Acceptable abend load threshold	0	1-98	13
ABENDTHRESH Input/output valid values	0								
AFFAUTO	EYUDA	CPSM	4	No	LIKE	Automatic affinity creation	N_A		15
AFFAUTO Input/output valid values	YES, NO, N_A								
AFFINITY	EYUDA	CPSM	4	No	LIKE	Affinity relationship			6
AFFINITY Input/output valid values	N_A, GLOBAL, LUNAME, USERID, BAPPL, LOCKED								
AFFLIFE	EYUDA	CPSM	4	No	LIKE	Affinity lifetime			7
AFFLIFE Input/output valid values	N_A, LOGON, PCONV, PERMANENT, SIGNON, SYSTEM, DELIMIT, ACTIVITY, PROCESS, UOW								
ALGTYPE	EYUDA	CPSM	4	No	LIKE	Algorithm type	INHERIT		22
ALGTYPE Input/output valid values	INHERIT, QUEUE, LNQUEUE, GOAL, LNGOAL								
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			17
CHANGEAGENT Input/output valid values	DREPAPI								
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			20
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification			1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			19
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created			18
DESC	CHAR	CPSM	58	No	DIFF	Description			10
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999	16
EVENTNAME	CHAR	CPSM	8	No	DIFF	RTA event			11
MATCH	EYUDA	CPSM	4	Yes	LIKE	Primary search criterion			8
MATCH Input/output valid values	LUNAME, USERID								
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name			5
STATE	EYUDA	CPSM	4	Yes	LIKE	Transaction group status			9
STATE Input/output valid values	ACTIVE, DORMANT								

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TRMINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a terminal definition (TERMDEF) in a resource group (RESGROUP). A TERMDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is TERMGROUP.

The **Secondary** key field for this resource class is TERMNAME.

The **Tertiary** key field for this resource class is TERMVER.

There are no object specific actions for this resource class.

**External resource name**

**Length**

56

**Usage** API or Batch Utility or WUI

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt6157

*Table 368. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

*Table 369. TRMINGRP FEEDBACK error codes*

Value	Code	Description
1	TRMINGRP_INV_DATA	Attribute data invalid
2	TRMINGRP_REC_NOT_FOUND	Requested resource not found
4	TRMINGRP_REC_EXISTS	Resource already exists
6	TRMINGRP_INV_RESTYPE	Invalid resource type
7	TRMINGRP_INV_VER	Invalid resource version
11	TRMINGRP_NON_MP	Maintenance point CMAS not available
12	TRMINGRP_INV_CONTEXT	Context not found
21	TRMINGRP_INCONSISTENT_SET	Inconsistent set
22	TRMINGRP_DIFF_VERSION	Different version
23	TRMINGRP_INV_NAME	Invalid name
24	TRMINGRP_INV_MINNAME	Invalid minor name

*Table 370. TRMINGRP resource table attributes*

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10

Table 370. TRMINGRP resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>TERMGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name	5
<b>TERMNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	Terminal definition name	6
<b>TERMVER-3</b>	BINARY	CPSM	1	Yes	AVG	Terminal definition version	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## TRNCLDEF Resource Table

A CICS Definition that describes the operational characteristics for transactions belonging to a given class.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

The following actions are supported:

**INSTALL**

Install a Transaction Class Definition.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

**External resource name**

CICSDefinitionTransactionClass

**Length**

152

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICS Definition

**Copybook identifier**

EYUt3814



Table 371. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No
		CSDGROUP(value)	No
		RESGROUP(value)	No
CREATE		CSD	No
		RESGROUP(value)	No
UPDATE		CSD	No
REMOVE		CSD	No
PERFORM	INSTALL	FORCEINS(YES, NO)	No
SET		MODE(value)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No
		RELATED(value)	No
		STATECHK(YES, NO)	No
		TARGET(value)	Yes
		USAGE(LOCAL)	Yes
	ADDTGRP	RESGROUP(value)	Yes
	CSDINSTALL	None	N/A
	CSDCOPY	AS_RESOURCE(value)	No
		DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No

Table 372. TRNCLDEF FEEDBACK error codes

Value	Code	Description
1	TRNCLDEF_INV_DATA	Attribute data invalid
2	TRNCLDEF_REC_NOT_FOUND	Requested resource not found
4	TRNCLDEF_REC_EXISTS	Resource already exists
5	TRNCLDEF_REC_CHANGED	Resource definition already changed
6	TRNCLDEF_INV_RESTYPE	Invalid resource type
7	TRNCLDEF_INV_VER	Invalid resource version
11	TRNCLDEF_NON_MP	Maintenance point CMAS not available
12	TRNCLDEF_INV_CONTEXT	Context not found
13	TRNCLDEF_INCONSISTENT_SET	Inconsistent set condition
14	TRNCLDEF_INV_RESGROUP	Resource group not found
21	TRNCLDEF_INV_ACTION	Invalid action
22	TRNCLDEF_INV_RECADDR	Invalid record address
23	TRNCLDEF_INV_RECLEN	Invalid record length
24	TRNCLDEF_DIFF_VERSION	Different version
25	TRNCLDEF_EARLY_NAMELIST_END	Early name list end
26	TRNCLDEF_INV_NAMELIST	Invalid name list
27	TRNCLDEF_INV_NAME	Invalid name
28	TRNCLDEF_INV_MINNAME	Invalid minor name
29	TRNCLDEF_NOTIFY	Notify
30	TRNCLDEF_PARTIAL_INSTALL	Partial install
31	TRNCLDEF_NOTHING_INSTALLED	Nothing installed
32	TRNCLDEF_NO_TARGETS	No targets
33	TRNCLDEF_NO_RELATED	No related systems
34	TRNCLDEF_INV_TSCOPE	Invalid target scope
35	TRNCLDEF_INV_RSCOPE	Invalid related scope
36	TRNCLDEF_INV_USAGE	Invalid usage

Table 372. TRNCLDEF FEEDBACK error codes (continued)

Value	Code	Description
37	TRNCLDEF_INV_MODE	Invalid mode
38	TRNCLDEF_INV_STATECHK	Invalid state check
39	TRNCLDEF_INV_FORCEINS	Invalid force install
40	TRNCLDEF_INV_NOTIFY	Invalid notify
41	TRNCLDEF_INV_OVERTYPE	Invalid oertype
42	TRNCLDEF_INV_OVRBLOCK	Invalid override block
43	TRNCLDEF_INV_ORSTRING	Invalid override string
44	TRNCLDEF_INV_STRNGTERM	Invalid string terminator
45	TRNCLDEF_INV_EMBEDTERM	Invalid embedded terminator
46	TRNCLDEF_INV_ATTRIBUTE	Invalid attribute
47	TRNCLDEF_INV_LITERAL	Invalid literal
48	TRNCLDEF_INV_ORSTGNA	Invalid override string
49	TRNCLDEF_SCOPE_REQUIRED	Scope required
50	TRNCLDEF_USAGE_CONFLICT	Usage conflict
51	TRNCLDEF_NODEFS_SELECTED	No definitions selected
52	TRNCLDEF_MORE_THAN_1_RELSYS	More than one related system
53	TRNCLDEF_MISSING_RELSYSID	Missing related system identifier
54	TRNCLDEF_SCOPE_CONFLICT	Scope conflict
55	TRNCLDEF_INV_CSDGROUP	Invalid CSD group
56	TRNCLDEF_REC_NOT_REMOVED	Record not removed
57	TRNCLDEF_INV_RESOURCE	Invalid resource
58	TRNCLDEF_INV_CICS_RESTYPE	Invalid CICS restype
59	TRNCLDEF_PARTIAL_ACTION	Partial action
60	TRNCLDEF_NOTHING_ACTIONED	Nothing actioned
61	TRNCLDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive
62	TRNCLDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
63	TRNCLDEF_CSD_ERROR	CSD access error

Table 373. TRNCLDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			E640 E650	16
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	18
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification time				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	17
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				10
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	20
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		5
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		15
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				14
MAXACTIVE	CHAR	CPSM	4	Yes	DIFF	Maximum number of active transactions allowed in class	0	0-999		8
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name				7
PURGETHRESH	CHAR	CPSM	8	No	DIFF	Purge threshold	NO	1-1000000		9

Table 373. TRNCLDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
PURGETHRESH Input/output valid values	NO									
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				11
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				12
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				13

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TRNINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a transaction definition (TRANDEF) in a resource group (RESGROUP). A TRANDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is TRANGROUP.

The **Secondary** key field for this resource class is TRANNAME.

The **Tertiary** key field for this resource class is TRANVER.

There are no object specific actions for this resource class.

**External resource name**

**Length**

56

**Usage** API or Batch Utility or WUI

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt6158

Table 374. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

Table 375. TRNINGRP FEEDBACK error codes

Value	Code	Description
1	TRNINGRP_INV_DATA	Attribute data invalid
2	TRNINGRP_REC_NOT_FOUND	Requested resource not found
4	TRNINGRP_REC_EXISTS	Resource already exists
6	TRNINGRP_INV_RESTYPE	Invalid resource type
7	TRNINGRP_INV_VER	Invalid resource version
11	TRNINGRP_NON_MP	Maintenance point CMAS not available
12	TRNINGRP_INV_CONTEXT	Context not found
21	TRNINGRP_INCONSISTENT_SET	Inconsistent set
22	TRNINGRP_DIFF_VERSION	Different version
23	TRNINGRP_INV_NAME	Invalid name
24	TRNINGRP_INV_MINNAME	Invalid minor name

Table 376. TRNINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>TRANGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name	5
<b>TRANNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	Transaction definition name	6
<b>TRANVER-3</b>	BINARY	CPSM	1	Yes	AVG	Transaction definition version	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TSKSPOLS Resource Table

A CICS Resource that describes all the CICS task storage subpools in an active system being managed by CICSplex SM.

The TSKSPOLS resource does not provide an explicit key attribute. The set of object instances returned is a function of the scope in effect when the request is made.

There are no object specific actions for this resource class.

**External resource name**

CICSAllTaskSubpools

**Length**

256

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**  
No

**SCOPE applies**  
Yes

**Only query CMASs in workload**  
No

**Object type**  
CICS Resource

**Copybook identifier**  
EYUt0147

Table 377. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 378. TSKSPOLS resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
DSAELEMPCTC	PERCENT3	CPSM	4	AVG	CDSA percentage of DSA used by elements	39
DSAELEMPCTEC	PERCENT3	CPSM	4	AVG	ECDSA percentage of DSA used by elements	42
DSAELEMPCTEU	PERCENT3	CPSM	4	AVG	EUDSA percentage of DSA used by elements	52
DSAELEMPCTU	PERCENT3	CPSM	4	AVG	UDSA percentage of DSA used by elements	49
DSAPAGPPCTC	PERCENT3	CPSM	4	AVG	CDSA peak percentage of page pool use	41
DSAPAGPPCTEC	PERCENT3	CPSM	4	AVG	ECDSA peak percentage of page pool use	46
DSAPAGPPCTEU	PERCENT3	CPSM	4	AVG	EUDSA peak percentage of page pool use	56
DSAPAGPPCTU	PERCENT3	CPSM	4	AVG	UDSA peak percentage of page pool use	51
FREEMAINRTC	RATE3	CPSM	8	AVG	CDSA FREEMAIN rate since last reset	38
FREEMAINRTEC	RATE3	CPSM	8	AVG	ECDSA FREEMAIN rate since last reset	44
FREEMAINRTEU	RATE3	CPSM	8	AVG	EUDSA FREEMAIN rate since last reset	54
FREEMAINRTU	RATE3	CPSM	8	AVG	UDSA FREEMAIN rate since last reset	48
GETMAINRTC	RATE3	CPSM	8	AVG	CDSA GETMAIN rate since last reset	37
GETMAINRTEC	RATE3	CPSM	8	AVG	ECDSA GETMAIN rate since last reset	43
GETMAINRTEU	RATE3	CPSM	8	AVG	EUDSA GETMAIN rate since last reset	53
GETMAINRTU	RATE3	CPSM	8	AVG	UDSA GETMAIN rate since last reset	47
PAGEPLPCTC	PERCENT3	CPSM	4	AVG	CDSA current percentage of page pool use	40
PAGEPLPCTEC	PERCENT3	CPSM	4	AVG	ECDSA current percentage of page pool use	45

Table 378. TSKSPOLS resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
PAGEPLPCTEU	PERCENT3	CPSM	4	AVG	EUDSA current percentage of page pool use	55
PAGEPLPCTU	PERCENT3	CPSM	4	AVG	UCDSA current percentage of page pool use	50
SMTACCESSC	EYUDA	STAT	4	LIKE	CDSA subpool access type	6
SMTACCESSC Output valid values	CICS, USER					
SMTACCESSEC	EYUDA	STAT	4	LIKE	ECDSA subpool access type	14
SMTACCESSEC Output valid values	CICS, USER					
SMTACCESSEU	EYUDA	STAT	4	LIKE	EUDSA subpool access type	30
SMTACCESSEU Output valid values	CICS, USER					
SMTACCESSU	EYUDA	STAT	4	LIKE	UDSA subpool access type	22
SMTACCESSU Output valid values	CICS, USER					
SMTCESCDSA	BINARY	STAT	4	AVG	CDSA sum of all element lengths	9
SMTCESECDSA	BINARY	STAT	4	AVG	ECDSA sum of all element lengths	17
SMTCESEUDSA	BINARY	STAT	4	AVG	EUDSA sum of all element lengths	33
SMTCESUDSA	BINARY	STAT	4	AVG	UDSA sum of all element lengths	25
SMTCNECDSA	BINARY	STAT	4	AVG	CDSA current number of elements	11
SMTCNEECDSA	BINARY	STAT	4	AVG	ECDSA current number of elements	19
SMTCNEEUDSA	BINARY	STAT	4	AVG	EUDSA current number of elements	35
SMTCNEUDSA	BINARY	STAT	4	AVG	UDSA current number of elements	27
SMTCPSCDSA	BINARY	STAT	4	AVG	CDSA current page storage	10
SMTCPSECDSA	BINARY	STAT	4	AVG	ECDSA current page storage	18
SMTCPSEUDSA	BINARY	STAT	4	AVG	EUDSA current page storage	34
SMTCPsudsa	BINARY	STAT	4	AVG	UDSA current page storage	26
SMTFMREQCDSA	BINARY	STAT	4	AVG	CDSA number of FREEMAIN requests	8
SMTFMREQEC	BINARY	STAT	4	AVG	ECDSA number of FREEMAIN requests	16
SMTFMREQEU	BINARY	STAT	4	AVG	EUDSA number of FREEMAIN requests	32
SMTFMREQUDSA	BINARY	STAT	4	AVG	UDSA number of FREEMAIN requests	24
SMTGMREQCDSA	BINARY	STAT	4	AVG	CDSA number of GETMAIN requests	7
SMTGMREQEC	BINARY	STAT	4	AVG	ECDSA number of GETMAIN requests	15
SMTGMREQEU	BINARY	STAT	4	AVG	EUDSA number of GETMAIN requests	31
SMTGMREQUDSA	BINARY	STAT	4	AVG	UDSA number of GETMAIN requests	23
SMTHWMPSCDSA	BINARY	STAT	4	AVG	CDSA peak page storage	12
SMTHWMPSEC	BINARY	STAT	4	AVG	ECDSA peak page storage	20
SMTHWMPSEU	BINARY	STAT	4	AVG	EUDSA peak page storage	36
SMTHWMPsudsa	BINARY	STAT	4	AVG	UDSA peak page storage	28
SMTLOCNCDSA	EYUDA	STAT	4	LIKE	CDSA location above/below 16MB line	5
SMTLOCNCDSA Output valid values	ABOVE, BELOW					
SMTLOCNECDSA	EYUDA	STAT	4	LIKE	ECDSA location above/below 16MB line	13
SMTLOCNECDSA Output valid values	ABOVE, BELOW					
SMTLOCNEUDSA	EYUDA	STAT	4	LIKE	EUDSA location above/below 16MB line	29

Table 378. TSKSPOLS resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
SMTLOCNEUDSA Output valid values	ABOVE, BELOW					
SMTLOCNUDSA	EYUDA	STAT	4	LIKE	UDSA location above/below 16MB line	21
SMTLOCNUDSA Output valid values	ABOVE, BELOW					

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TSKSPool Resource Table

A CICS Resource that describes CICS task storage subpools in an active system being managed by CICSplex SM.

The **Primary** key field for this resource class is SMTDSANAME.

There are no object specific actions for this resource class.

**External resource name**

CICSTaskSubpool

**Length**

88

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0119

Table 379. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 380. TSKSPool resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	

Table 380. TSKSPOOL resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
DSAELEMPCT	PERCENT3	CPSM	4	AVG	Percentage of DSA used by elements	17
DSAPAGPPCT	PERCENT3	CPSM	4	AVG	Peak percentage of DSA page use	19
FREEMAINRTE	RATE3	CPSM	8	AVG	FREEMAIN rate since last reset	16
GETMAINRTE	RATE3	CPSM	8	AVG	GETMAIN rate since last reset	15
PAGEPAGEPCT	PERCENT3	CPSM	4	AVG	Percentage of page pools used	18
SMTACCESS	EYUDA	STAT	4	LIKE	Subpool access type	7
SMTACCESS Output valid values	CICS, USER					
SMTCES	BINARY	STAT	4	AVG	Sum of all element lengths	10
SMTCNE	BINARY	STAT	4	AVG	Current number of elements	12
SMTCPSP	BINARY	STAT	4	AVG	Current page storage	11
<b>SMTDSANAME-1</b>	CHAR	STAT	8	DIFF	Name of dynamic storage area (DSA)	5
SMTFMREQ	BINARY	STAT	4	AVG	Number of FREEMAIN requests	9
SMTGMREQ	BINARY	STAT	4	AVG	Number of GETMAIN requests	8
SMTHWMPSP	BINARY	STAT	4	AVG	Peak page storage	13
SMTLOCN	EYUDA	STAT	4	LIKE	Location of task subpool above/below 16MB	6
SMTLOCN Output valid values	ABOVE, BELOW					

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TSMDEF Resource Table

A CICS Definition that describes a temporary storage model.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

The following actions are supported:

**INSTALL**

Install a Temporary Storage Model Definition.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

**External resource name**

CICSDefinitionTSMModel

**Length**

280

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No



**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICS Definition

**Copybook identifier**

EYUt3821

*Table 381. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No
		CSDGROUP(value)	No
		RESGROUP(value)	No
CREATE		CSD	No
		RESGROUP(value)	No
UPDATE		CSD	No
REMOVE		CSD	No
PERFORM	INSTALL	FORCEINS(YES, NO)	No
SET		MODE(value)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No
		RELATED(value)	No
		STATECHK(YES, NO)	No
		TARGET(value)	Yes
		USAGE(LOCAL)	Yes
	ADDTGRP	RESGROUP(value)	Yes
	CSDINSTALL	None	N/A
	CSDCOPY	AS_RESOURCE(value)	No
		DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No

*Table 382. TSMDEF FEEDBACK error codes*

Value	Code	Description
1	TSMDEF_INV_DATA	Attribute data invalid
2	TSMDEF_REC_NOT_FOUND	Requested resource not found
4	TSMDEF_REC_EXISTS	Resource already exists
5	TSMDEF_REC_CHANGED	Resource definition already changed
6	TSMDEF_INV_RESTYPE	Invalid resource type
7	TSMDEF_INV_VER	Invalid resource version
11	TSMDEF_NON_MP	Maintenance point CMAS not available
12	TSMDEF_INV_CONTEXT	Context not found
13	TSMDEF_INCONSISTENT_SET	Inconsistent set condition
14	TSMDEF_INV_RESGROUP	Resource group not found
21	TSMDEF_INV_ACTION	Invalid action
22	TSMDEF_INV_RECADDR	Invalid record address
23	TSMDEF_INV_RECLEN	Invalid record length
24	TSMDEF_DIFF_VERSION	Different version
25	TSMDEF_EARLY_NAMELIST_END	Early name list end
26	TSMDEF_INV_NAMELIST	Invalid name list

Table 382. TSMDEF FEEDBACK error codes (continued)

Value	Code	Description
27	TSMDEF_INV_NAME	Invalid name
28	TSMDEF_INV_MINNAME	Invalid minor name
29	TSMDEF_NOTIFY	Notify
30	TSMDEF_PARTIAL_INSTALL	Partial install
31	TSMDEF_NOTHING_INSTALLED	Nothing installed
32	TSMDEF_NO_TARGETS	No targets
33	TSMDEF_NO_RELATED	No related systems
34	TSMDEF_INV_TSCOPE	Invalid target scope
35	TSMDEF_INV_RSCOPE	Invalid related scope
36	TSMDEF_INV_USAGE	Invalid usage
37	TSMDEF_INV_MODE	Invalid mode
38	TSMDEF_INV_STATECHK	Invalid state check
39	TSMDEF_INV_FORCEINS	Invalid force install
40	TSMDEF_INV_NOTIFY	Invalid notify
41	TSMDEF_INV_OVERTYPE	Invalid oertype
42	TSMDEF_INV_OVRBLOCK	Invalid override block
43	TSMDEF_INV_ORSTRING	Invalid override string
44	TSMDEF_INV_STRNGTERM	Invalid string terminator
45	TSMDEF_INV_EMBEDTERM	Invalid embedded terminator
46	TSMDEF_INV_ATTRIBUTE	Invalid attribute
47	TSMDEF_INV_LITERAL	Invalid literal
48	TSMDEF_INV_ORSTGNA	Invalid override string
49	TSMDEF_SCOPE_REQUIRED	Scope required
50	TSMDEF_USAGE_CONFLICT	Usage conflict
51	TSMDEF_NODEFS_SELECTED	No definitions selected
52	TSMDEF_MORE_THAN_1_RELSYS	More than one related system
53	TSMDEF_MISSING_RELSYSID	Missing related system identifier
54	TSMDEF_SCOPE_CONFLICT	Scope conflict
55	TSMDEF_INV_CSDGROUP	Invalid CSD group
56	TSMDEF_REC_NOT_REMOVED	Record not removed
57	TSMDEF_INV_RESOURCE	Invalid resource
58	TSMDEF_INV_CICS_RESTYPE	Invalid CICS restype
59	TSMDEF_PARTIAL_ACTION	Partial action
60	TSMDEF_NOTHING_ACTIONED	Nothing actioned
61	TSMDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive
62	TSMDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
63	TSMDEF_CSD_ERROR	CSD access error

Table 383. TSMDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			E640 E650	24
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	26
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification time				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	25
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				16

Table 383. TSMDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	28
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		5
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		23
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				20
EXPIRYINT	CHAR	CPSM	8	Yes	DIFF	TS Queue expiry interval (hours)	0	0-15000	E640 E650 E660	30
EXPIRYINTMIN	CHAR	CPSM	8	Yes	DIFF	TS Queue expiry interval (minutes)	0	0-900000	E640 E650 E660 E670 E680	31
LOCATION	CVDAS	CPSM	4	Yes	LIKE	Queue location	AUXILIARY			10
LOCATION Input/output valid values	MAIN, AUXILIARY									
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name				7
POOLNAME	CHAR	CPSM	8	No	DIFF	Shared TS pool name				13
PREFIX	CHAR	CPSM	16	Yes	DIFF	TS queue prefix				9
RECOVERY	EYUDA	CPSM	4	Yes	LIKE	Recovery option	NO			11
RECOVERY Input/output valid values	YES, NO									
REMOTEPREFIX	CHAR	CPSM	16	No	DIFF	Remote TS queue prefix				15
REMOTESYSTEM	CHAR	CPSM	4	No	DIFF	Remote system ID				14
SECURITY	EYUDA	CPSM	4	Yes	LIKE	Security option	NO			12
SECURITY Input/output valid values	YES, NO									
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				17
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				18
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				19
XPREFIX	CHAR	CPSM	32	No	DIFF	Hexadecimal TS queue prefix				21
XREMOTEPEFX	CHAR	CPSM	32	No	DIFF	Hexadecimal remote TS queue prefix				22

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TSMINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a temporary storage model definition (TSMDEF) in a resource group (RESGROUP). A TSMDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is TSMGROUP.

The **Secondary** key field for this resource class is TSMNAME.

The **Tertiary** key field for this resource class is TSMVER.

There are no object specific actions for this resource class.

**External resource name**

**Length**

56

**Usage** API or Batch Utility or WUI

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt6166

Table 384. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

Table 385. TSMINGRP FEEDBACK error codes

Value	Code	Description
1	TSMINGRP_INV_DATA	Attribute data invalid
2	TSMINGRP_REC_NOT_FOUND	Requested resource not found
4	TSMINGRP_REC_EXISTS	Resource already exists
6	TSMINGRP_INV_RESTYPE	Invalid resource type
7	TSMINGRP_INV_VER	Invalid resource version
11	TSMINGRP_NON_MP	Maintenance point CMAS not available
12	TSMINGRP_INV_CONTEXT	Context not found
21	TSMINGRP_INCONSISTENT_SET	Inconsistent set
22	TSMINGRP_DIFF_VERSION	Different version
23	TSMINGRP_INV_NAME	Invalid name
24	TSMINGRP_INV_MINNAME	Invalid minor name

Table 386. TSMINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>TSMGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name	5

Table 386. TSMINGRP resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
<b>TSMNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	TS model definition name	6
<b>TSMVER-3</b>	BINARY	CPSM	1	Yes	AVG	TS model definition version	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TSMODEL Resource Table

A CICS Resource that describes a temporary storage model in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is NAME.

The following actions are supported:

**DISCARD**

Discard a temporary storage model.

The DISCARD action requires no unique parameter data.

**External resource name**

CICSTSMModel

**Length**

152

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0092

Table 387. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	DISCARD	None	N/A
SET			

Table 388. TSMODEL resource table attributes

Name	Datatype	Source	Len	Sum	Description	Default	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved			
BASDEFINEVER	BINARY	CPSM	1	AVG	BAS resource definition version	0	E640 E650	20
CHANGEAGENT	CVDAS	INQ	4	LIKE	Last modification agent		E640 E650	11
CHANGEAGENT Input/output valid values	CSDAPI, CSDBATCH, DREPAPI, DREPBATCH, CREATESPI, NOTAPPLIC							
CHANGEAGREL	CHAR	INQ	4	DIFF	Last modification agent release		E640 E650	13
CHANGETIME	DATETIME	INQ	8	MAX	Last modification time		E640 E650	14
CHANGEUSRID	CHAR	INQ	8	DIFF	Last modification user ID		E640 E650	12
DEFINESOURCE	CHAR	INQ	8	DIFF	Source of the resource definition		E640 E650	15
DEFINETIME	DATETIME	INQ	8	MAX	Creation time		E640 E650	16
EXPIRYINT	BINARY	CPSM	4	AVG	TS Queue expiry interval (hours)	0	E640 E650 E660	22
EXPIRYINTMIN	BINARY	CPSM	4	AVG	TS Queue expiry interval (minutes)	0	E640 E650 E660 E670 E680	23
INSTALLAGENT	CVDAS	INQ	4	LIKE	Installation agent		E640 E650	19
INSTALLAGENT Input/output valid values	CSDAPI, CREATESPI, GRPLIST							
INSTALLTIME	DATETIME	INQ	8	MAX	Installation time		E640 E650	18
INSTALLUSRID	CHAR	INQ	8	DIFF	Installation user ID		E640 E650	17
LOCATION	CVDAS	INQ	4	LIKE	Queue location	AUXILIARY		3
LOCATION Output valid values	AUXILIARY, MAIN							
<b>NAME-1</b>	CHAR	INQ	8	DIFF	TS model name			1
POOLNAME	CHAR	INQ	8	DIFF	Shared TS pool name			6
PREFIX	CHAR	INQ	16	DIFF	TS queue prefix			2
RECOVSTATUS	CVDAS	INQ	4	LIKE	Recovery status	NO		4
RECOVSTATUS Output valid values	RECOVERABLE, NOTRECOVERABLE							
REMOTEPREFIX	CHAR	INQ	16	DIFF	Remote TS queue prefix			8
REMOTESYSTEM	CHAR	INQ	4	DIFF	Remote system ID			7
SECURITYST	CVDAS	INQ	4	LIKE	Security status	NO		5
SECURITYST Output valid values	EXTSECURITY, NOSECURITY							

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

---

## TSPOOL Resource Table

A CICS Resource that describes a temporary storage pool in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is NAME.

There are no object specific actions for this resource class.

**External resource name**

CICSTSPool

**Length**

32

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0094

Table 389. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 390. TSPOOL resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
CONNSTATUS	CV DAS	CPSM	4	LIKE	Connection status	2
CONNSTATUS Output valid values		CONNECTED, UNCONNECTED				
<b>NAME-1</b>	CHAR	CPSM	8	DIFF	Temporary storage pool name	1

### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

---

## TSQGBL Resource Table

A CICS Resource that describes the general characteristics of temporary storage usage in an active CICS system being managed by CICSplex SM .

The TSQGBL resource class does not provide an explicit key attribute. The set of object instances returned is a function of the current scope in effect when the request is made.

There are no object specific actions for this resource class.

**External resource name**

CICSGlobalTSQueueStatistics

**Length**

216

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0030

*Table 391. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A

*Table 392. TSQGBL resource table attributes*

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Set Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved			
AUXFULL	BINARY	STAT	4	AVG	No	Number of times auxiliary storage exhausted			15
BUFFERS	BINARY	STAT	2	AVG	No	Number of temporary storage buffers			16
BUFFWAITS	BINARY	STAT	4	AVG	No	Total number of buffer waits			18
BUFREADS	BINARY	STAT	4	AVG	No	Number of buffer reads			22
BUFWITES	BINARY	STAT	4	AVG	No	Number of buffer writes			20
BYTESPERCI	BINARY	STAT	4	AVG	No	Number of bytes available in control interval			34
BYTESPERSEG	BINARY	STAT	4	AVG	No	Number of bytes per segment			36
CINUM	BINARY	STAT	4	AVG	No	Number of control intervals available			13
CISINUSE	BINARY	STAT	4	AVG	No	Number of control intervals in use			31
CISIZE	BINARY	STAT	4	AVG	No	Control interval size			11



Table 392. TSQGBL resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Set Invalid	Attr ID
COMPRESSIONS	BINARY	STAT	4	AVG	No	Number of temporary storage compressions			30
CURRSTG	BINARY	STAT	8	AVG	No	Current storage in use (bytes)			4
CURRUWBFR	BINARY	STAT	4	AVG	No	Number of current users waiting on buffers			27
CURRUWSTR	BINARY	STAT	4	AVG	No	Number of current users waiting on strings			26
ENTLGQUE	BINARY	STAT	4	AVG	No	Number of entries in longest queue			8
EXTTHRESHOLD	BINARY	STAT	2	AVG	No	Queue extension threshold	E510+		37
FMTWRT	BINARY	STAT	4	AVG	No	Number of format writes			23
GETQAUX	BINARY	STAT	4	AVG	No	Number of records obtained from auxiliary TS			6
GETQMAIN	BINARY	STAT	4	AVG	No	Number of records obtained from main TS			2
IOERRS	BINARY	STAT	4	AVG	No	Number of I/O errors on data set			28
LONGAUXREC	BINARY	STAT	4	AVG	No	Longest auxiliary record length			33
NAMESINUSE	BINARY	STAT	4	AVG	No	Number of temporary storage names in use			32
PEAKCIUSE	BINARY	STAT	4	AVG	No	Peak number of control intervals used			14
PEAKQUES	BINARY	STAT	4	AVG	No	Peak number of queue names in use			7
PEAKSTG	BINARY	STAT	8	AVG	No	Peak storage in use (bytes)			3
PEAKUSDSTR	BINARY	STAT	4	AVG	No	Peak number of strings in use			24
PEAKUWBUF	BINARY	STAT	4	AVG	No	Peak number of users waiting on buffers			19
PEAKUWSTR	BINARY	STAT	4	AVG	No	Peak number of users waiting on strings			25
PUTQAUX	BINARY	STAT	4	AVG	No	Number of records written to auxiliary TS			5
PUTQMAIN	BINARY	STAT	4	AVG	No	Number of records written to main TS			1
QUECRECNT	BINARY	STAT	4	AVG	No	Number of times queues created			9
QUEXTENDS	BINARY	STAT	4	AVG	No	Number of times queue extensions created	E510+		10
SEGSPERCI	BINARY	STAT	4	AVG	No	Number of segments available in control interval			35
SHRDPOLCONN	BINARY	STAT	4	AVG	No	Number of shared pools connected to			40
SHRDPOLDEF	BINARY	STAT	4	AVG	No	Number of shared pools defined			39
SHRDREADREQ	BINARY	STAT	4	AVG	No	Number of shared read requests			41
SHRDWRITEREQ	BINARY	STAT	4	AVG	No	Number of shared write requests			42
STRINGS	BINARY	STAT	2	AVG	No	Number of temporary storage strings			17
STRINGWAIT	BINARY	STAT	4	AVG	No	Number of times string wait occurred			29
TSMMAINHIT	BINARY	STAT	4	AVG	No	Count of times TSMMAINLIMIT reached	E640 E650 E660		47

Table 392. TSQGBL resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Get Invalid	Set Invalid	Attr ID
TSMMAININUSE	BINARY	STAT	8	AVG	No	Current used above the bar storage for TSMMAIN	E640 E650 E660	E640 E650 E660	44
TSMMAINLIMIT	BINARY	INQ	8	AVG	Yes	Maximum above the bar storage for TSMMAIN	E640 E650 E660	E640 E650 E660	43
TSMMAINMAX	BINARY	STAT	8	AVG	No	Maximum TS MAIN storage used	E640 E650 E660		48
TSMMAINPCT	PERCENT3	CPSM	4	AVG	No	Percentage utilization of TSMMAIN above the bar	E640 E650 E660		45
WRTFRECVR	BINARY	STAT	4	AVG	No	Number of buffer writes forced by recovery			21
WRTGTCISZ	BINARY	STAT	4	AVG	No	Number of records with length greater than CISIZE			12

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TSQNAME Resource Table

A CICS Resource that describes a temporary storage queue in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is NAME.

The following action is supported:

**DELETE**

Delete a temporary storage queue

The parameter data for the DELETE action is:

PARM('LASTUSEDINT(interval).')

where:

interval = (Optional) Last used interval.

**External resource name**

CICSTSQueue

**Length**

88

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

Only query CMASs in workload  
No

Object type  
CICS Resource

Copybook identifier  
EYUt0107

Table 393. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM	DELETE	LASTUSEDINT(value)	No
SET			

Table 394. TSQNAME resource table attributes

Name	Datatype	Source	Len	Sum	Description	Default	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved			
EXPIRYINT	BINARY	CPSM	4	DIFF	TS Queue expiry interval (hours)	0	E640 E650 E660	11
EXPIRYINTMIN	BINARY	CPSM	4	DIFF	TS Queue expiry interval (minutes)	0	E640 E650 E660 E670 E680	13
HEXNAME	HEX	INQ	16	MIN	Queue name in hexadecimal			12
LASTUSEDINT	BINARY	INQ	4	AVG	Interval since queue last used (seconds)			8
LOCATION	CV DAS	INQ	4	LIKE	Queue location			2
LOCATION Output valid values	AUXILIARY, MAIN							
MAXITEMLEN	CNUMERIC	INQ	2	AVG	Largest item length (bytes)			4
MINITEMLEN	CNUMERIC	INQ	2	AVG	Smallest item length (bytes)			5
<b>NAME-1</b>	CHAR	INQ	16	DIFF	Queue name			1
NUMITEMS	BINARY	INQ	2	AVG	Number of items in queue			6
QUELENGTH	CNUMERIC	INQ	4	AVG	Total queue length (bytes)			3
RECOVSTATUS	CV DAS	INQ	4	LIKE	Recovery status			10
RECOVSTATUS Output valid values	RECOVERABLE, NOTRECOVERABLE							
TRANSID	CHAR	INQ	4	DIFF	Transaction that created TS queue			9

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## TSQSHR Resource Table

A CICS Resource that describes a temporary storage queue in a pool in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is POOLNAME.

The following actions are supported:

### DELETE

Delete a temporary storage queue in pool.

The parameter data for the DELETE action is:

PARM('LASTUSEDINT(interval).')

where:

interval = (Optional) Last used interval.

### External resource name

CICSSharedTSQueue

### Length

80

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

### API view

Yes

### CMAS context

No

### SCOPE applies

Yes

### Only query CMASs in workload

No

### Object type

CICS Resource

### Copybook identifier

EYUt0100

Table 395. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM	DELETE	LASTUSEDINT(value)	No
SET			

Table 396. TSQSHR resource table attributes

Name	Datatype	Source	Len	Sum	Description	Default	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved			

Table 396. TSQSHR resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Default	Get Invalid	Attr ID
EXPIRYINT	BINARY	INQ	4	AVG	TS Queue expiry interval (hours)		E640 E650 E660	12
EXPIRYINTMIN	BINARY	CPSM	4	DIFF	TS Queue expiry interval (minutes)	0	E640 E650 E660 E670 E680	13
LASTUSEDINT	BINARY	INQ	4	AVG	Interval since queue last used (seconds)			9
LOCATION	CVDAS	INQ	4	LIKE	Queue location			3
LOCATION Output valid values	AUXILIARY, MAIN							
MAXITEMLEN	BINARY	INQ	2	AVG	Largest item length (bytes)			5
MINITEMLEN	BINARY	INQ	2	AVG	Smallest item length (bytes)			6
<b>NAME-1</b>	CHAR	INQ	16	DIFF	Queue name			1
NUMITEMS	BINARY	INQ	2	AVG	Number of items in queue			7
<b>POOLNAME-2</b>	CHAR	INQ	8	DIFF	Temporary storage pool name			2
QUELENGTH	BINARY	INQ	4	AVG	Total queue length (bytes)			4
RECOVSTATUS	CVDAS	INQ	4	LIKE	Recovery status			11
RECOVSTATUS Output valid values	RECOVERABLE, NOTRECOVERABLE							
TRANSID	CHAR	INQ	4	DIFF	Transaction that created TS queue			10

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TSQUEUE Resource Table

A CICS Resource that describes a temporary storage queue in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is NAME.

The TSQUEUE resource class only returns objects instances if the target CICS system is running at CICS/ESA 3.3 or later.

The following actions are supported:

#### DELETE

Delete a temporary storage queue in pool.

The parameter data for the DELETE action is:

```
PARM('LASTUSEDINT(interval).')
```

where:

```
interval = (Optional) Last used interval.
```

#### External resource name

**Length**

64

**Usage** API or WUI or EVALDEF**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYU0040

*Table 397. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM SET	DELETE	LASTUSEDINT(value)	No

*Table 398. TSQUEUE resource table attributes*

Name	Datatype	Source	Len	Sum	Description	Default	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved			
EXPIRYINT	BINARY	CPSM	4	DIFF	TS Queue expiry interval (hours)	0	E640 E650 E660	11
EXPIRYINTMIN	BINARY	CPSM	4	DIFF	TS Queue expiry interval (minutes)	0	E640 E650 E660 E670 E680	12
LASTUSEDINT	BINARY	INQ	4	AVG	Interval since queue last used (seconds)			8
LOCATION	CVDAS	INQ	4	LIKE	Queue location			2
LOCATION Output valid values	AUXILIARY, MAIN							
MAXITEMLEN	CNUMERIC	INQ	2	AVG	Largest queue item length (bytes)			4
MINITEMLEN	CNUMERIC	INQ	2	AVG	Smallest queue item length (bytes)			5
<b>NAME-1</b>	CHAR	INQ	8	DIFF	Queue name			1
NUMITEMS	BINARY	INQ	2	AVG	Number of items in queue			6
QUELENGTH	CNUMERIC	INQ	4	AVG	Queue length (bytes)			3
RECOVSTATUS	CVDAS	INQ	4	LIKE	Recovery status			10
RECOVSTATUS Output valid values	RECOVERABLE, NOTRECOVERABLE							
TRANSID	CHAR	INQ	4	DIFF	Transaction that created TS queue			9

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## TYPINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a typeterm definition (TYPTMDEF) in a resource group (RESGROUP). A TYPTMDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is TYPTMGROUP.

The **Secondary** key field for this resource class is TYPTMNAME.

The **Tertiary** key field for this resource class is TYPTMVER.

There are no object specific actions for this resource class.

**External resource name****Length**

56

**Usage** API or Batch Utility or WUI

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt6161

*Table 399. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

*Table 400. TYPINGRP FEEDBACK error codes*

Value	Code	Description
1	TYPINGRP_INV_DATA	Attribute data invalid
2	TYPINGRP_REC_NOT_FOUND	Requested resource not found
4	TYPINGRP_REC_EXISTS	Resource already exists
6	TYPINGRP_INV_RESTYPE	Invalid resource type

Table 400. TYPINGRP FEEDBACK error codes (continued)

Value	Code	Description
7	TYPINGRP_INV_VER	Invalid resource version
11	TYPINGRP_NON_MP	Maintenance point CMAS not available
12	TYPINGRP_INV_CONTEXT	Context not found
21	TYPINGRP_INCONSISTENT_SET	Inconsistent set
22	TYPINGRP_DIFF_VERSION	Different version
23	TYPINGRP_INV_NAME	Invalid name
24	TYPINGRP_INV_MINNAME	Invalid minor name

Table 401. TYPINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>TYPTMGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name	5
<b>TYPTMNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	Typeterm definition name	6
<b>TYPTMVER-3</b>	BINARY	CPSM	1	Yes	AVG	Typeterm definition version	7

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## TYPTMDEF Resource Table

A CICS Definition that describes a typeterm, which encompasses attributes that are common to a group of terminals.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

The following actions are supported:

#### INSTALL

Install a Typeterm Definition.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

#### External resource name

CICSDefinitionTypeterm

#### Length

504

**Usage** API or Batch Utility or WUI or CICS Management Client Interface



**API view**  
No

**CMAS context**  
No

**SCOPE applies**  
No

**Only query CMASs in workload**  
No

**Object type**  
CICS Definition

**Copybook identifier**  
EYUt3816

Table 402. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No
		CSDGROUP(value)	No
		RESGROUP(value)	No
CREATE		CSD	No
		RESGROUP(value)	No
UPDATE		CSD	No
REMOVE		CSD	No
PERFORM	INSTALL	FORCEINS(YES, NO)	No
SET		MODE(value)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No
		RELATED(value)	No
		STATECHK(YES, NO)	No
		TARGET(value)	Yes
		USAGE(LOCAL)	Yes
	ADDTGRP	RESGROUP(value)	Yes
	CSDINSTALL	None	N/A
	CSDCOPY	AS_RESOURCE(value)	No
		DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No

Table 403. TYPTMDEF FEEDBACK error codes

Value	Code	Description
1	TYPTMDEF_INV_DATA	Attribute data invalid
2	TYPTMDEF_REC_NOT_FOUND	Requested resource not found
4	TYPTMDEF_REC_EXISTS	Resource already exists
5	TYPTMDEF_REC_CHANGED	Resource definition already changed
6	TYPTMDEF_INV_RESTYPE	Invalid resource type
7	TYPTMDEF_INV_VER	Invalid resource version
11	TYPTMDEF_NON_MP	Maintenance point CMAS not available
12	TYPTMDEF_INV_CONTEXT	Context not found
13	TYPTMDEF_INCONSISTENT_SET	Inconsistent set condition
14	TYPTMDEF_INV_RESGROUP	Resource group not found
21	TYPTMDEF_INV_ACTION	Invalid action

Table 403. TYPTMDEF FEEDBACK error codes (continued)

Value	Code	Description
22	TYPTMDEF_INV_RECADDR	Invalid record address
23	TYPTMDEF_INV_RECLEN	Invalid record length
24	TYPTMDEF_DIFF_VERSION	Different version
25	TYPTMDEF_EARLY_NAMELIST_END	Early name list end
26	TYPTMDEF_INV_NAMELIST	Invalid name list
27	TYPTMDEF_INV_NAME	Invalid name
28	TYPTMDEF_INV_MINNAME	Invalid minor name
29	TYPTMDEF_NOTIFY	Notify
30	TYPTMDEF_PARTIAL_INSTALL	Partial install
31	TYPTMDEF_NOTHING_INSTALLED	Nothing installed
32	TYPTMDEF_NO_TARGETS	No targets
33	TYPTMDEF_NO_RELATED	No related systems
34	TYPTMDEF_INV_TSCOPE	Invalid target scope
35	TYPTMDEF_INV_RSCOPE	Invalid related scope
36	TYPTMDEF_INV_USAGE	Invalid usage
37	TYPTMDEF_INV_MODE	Invalid mode
38	TYPTMDEF_INV_STATECHK	Invalid state check
39	TYPTMDEF_INV_FORCEINS	Invalid force install
40	TYPTMDEF_INV_NOTIFY	Invalid notify
41	TYPTMDEF_INV_OVERTYPE	Invalid overtype
42	TYPTMDEF_INV_OVRBLOCK	Invalid override block
43	TYPTMDEF_INV_ORSTRING	Invalid override string
44	TYPTMDEF_INV_STRNGTERM	Invalid string term
45	TYPTMDEF_INV_EMBEDTERM	Invalid embedded terminator
46	TYPTMDEF_INV_ATTRIBUTE	Invalid attribute
47	TYPTMDEF_INV_LITERAL	Invalid literal
48	TYPTMDEF_INV_ORSTGNA	Invalid override string
49	TYPTMDEF_SCOPE_REQUIRED	Scope required
50	TYPTMDEF_USAGE_CONFLICT	Usage conflict
51	TYPTMDEF_NODEFS_SELECTED	No definitions selected
52	TYPTMDEF_MORE_THAN_1_RELSYS	More than one related system
53	TYPTMDEF_MISSING_RELSYSID	Missing related system identifier
54	TYPTMDEF_SCOPE_CONFLICT	Scope conflict
55	TYPTMDEF_INV_CSDGROUP	Invalid CSD group
56	TYPTMDEF_REC_NOT_REMOVED	Record not removed
57	TYPTMDEF_INV_RESOURCE	Invalid resource
58	TYPTMDEF_INV_CICS_RESTYPE	Invalid CICS restype
59	TYPTMDEF_PARTIAL_ACTION	Partial action
60	TYPTMDEF_NOTHING_ACTIONED	Nothing actioned
61	TYPTMDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive
62	TYPTMDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
63	TYPTMDEF_CSD_ERROR	CSD access error

Table 404. TYPTMDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
ALTPAGECOL	CHAR	CPSM	4	No	DIFF	Alternate BMS page size (number of columns)	0	0-999		8
ALTPAGEROW	CHAR	CPSM	4	No	DIFF	Alternate BMS page size (number of rows)	0	0-999		9

Table 404. TYPTMDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
ALTSCREENCOL	CHAR	CPSM	4	No	DIFF	Alternate screen size (number of columns)	0	0-999		10
ALTSCREENROW	CHAR	CPSM	4	No	DIFF	Alternate screen size (number of rows)	0	0-999		11
ALTSUFFIX	CHAR	CPSM	1	No	DIFF	Map set name suffix				82
APLKYBD	EYUDA	CPSM	4	Yes	LIKE	APL keyboard feature	NO			12
APLKYBD Input/output valid values	YES, NO									
APLTEXT	EYUDA	CPSM	4	Yes	LIKE	APL text feature	NO			13
APLTEXT Input/output valid values	YES, NO									
ASCII	CHAR	CPSM	4	No	DIFF	ASCII feature	NO	7-8		14
ASCII Input/output valid values	NO									
ASYNCBPS	CHAR	CPSM	8	No	DIFF	Asynchronous line speed (OS/2)			EALL	80
ASYNCBPS Input/output valid values	0, 110, 150, 300, 600, 1200, 1800, 2400, 3600, 4800, 9600, 19200									
ASYNCPRT3151	CHAR	CPSM	4	No	DIFF	3151 asynchronous port name (OS/2)			EALL	79
ATI	EYUDA	CPSM	4	Yes	LIKE	Automatic transaction initiation option	NO			15
ATI Input/output valid values	YES, NO									
AUDIBLEALARM	EYUDA	CPSM	4	Yes	LIKE	Audible alarm feature	NO			16
AUDIBLEALARM Input/output valid values	YES, NO									
AUTOCONNECT	EYUDA	CPSM	4	Yes	LIKE	Autoconnect for terminal option	NO			17
AUTOCONNECT Input/output valid values	YES, NO, ALL									
AUTOPAGE	EYUDA	CPSM	4	Yes	LIKE	BMS autopaging option	NO			18
AUTOPAGE Input/output valid values	YES, NO									
BACKTRANS	EYUDA	CPSM	4	Yes	LIKE	Background transparency option	NO			19
BACKTRANS Input/output valid values	YES, NO									
BRACKET	EYUDA	CPSM	4	Yes	LIKE	Bracket protocol enforced	YES			20
BRACKET Input/output valid values	YES, NO									
BUILDCHAIN	EYUDA	CPSM	4	Yes	LIKE	CICS chain assembly performed	NO			21
BUILDCHAIN Input/output valid values	YES, NO									
CGCSGIDCODE	CHAR	CPSM	8	No	DIFF	Graphic character set global code	0	0-65535		22
CGCSGIDBLID	CHAR	CPSM	8	No	DIFF	Graphic character set global ID	0	0-65535		23

Table 404. TYPTMDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			E640 E650	92
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	94
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification time				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	93
CODEPAGE	CHAR	CPSM	8	No	DIFF	Code page value		0-65534	EALL	78
COLOR	EYUDA	CPSM	4	Yes	LIKE	Extended color feature	NO			24
COLOR Input/output valid values	YES, NO									
COPY	EYUDA	CPSM	4	Yes	LIKE	Copy feature	NO			25
COPY Input/output valid values	YES, NO									
CREATESESS	EYUDA	CPSM	4	Yes	LIKE	Sessions to be created	NO			26
CREATESESS Input/output valid values	YES, NO									
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				84
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	96
DEFSCREENCOL	CHAR	CPSM	4	No	DIFF	Default screen size (number of columns)	0	0-999		27
DEFSCREENROW	CHAR	CPSM	4	No	DIFF	Default screen size (number of rows)	0	0-999		28
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		5
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		91
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				88
DEVICE	CHAR	CPSM	8	Yes	DIFF	Device type				29
DISCREQ	EYUDA	CPSM	4	Yes	LIKE	Disconnect requests honored	YES			30
DISCREQ Input/output valid values	YES, NO									
DUALCASEKYBD	EYUDA	CPSM	4	Yes	LIKE	Dual case keyboard supported	NO			31
DUALCASEKYBD Input/output valid values	YES, NO									
ERRCOLOR	EYUDA	CPSM	4	Yes	LIKE	Color of error messages	NO			32
ERRCOLOR Input/output valid values	NO, BLUE, RED, PINK, GREEN, TURQUOISE, YELLOW, NEUTRAL									
ERRHILIGHT	EYUDA	CPSM	4	Yes	LIKE	Error messages highlighted	NO			33
ERRHILIGHT Input/output valid values	BLINK, REVERSE, UNDERLINE, NO									
ERRINTENSIFY	EYUDA	CPSM	4	Yes	LIKE	Error message display intensified	NO			34
ERRINTENSIFY Input/output valid values	YES, NO									
ERRLASTLINE	EYUDA	CPSM	4	Yes	LIKE	Display error messages on last line	NO			35

Table 404. TYPTMDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
ERRLASTLINE Input/output valid values	YES, NO									
EXTENDEDDES	EYUDA	CPSM	4	Yes	LIKE	Extended 3270 data stream	NO			36
EXTENDEDDES Input/output valid values	YES, NO									
FMHPARM	EYUDA	CPSM	4	Yes	LIKE	Accept user-supplied data in function management header (FMH)	NO			37
FMHPARM Input/output valid values	YES, NO									
FORMFEED	EYUDA	CPSM	4	Yes	LIKE	Formfeed feature	NO			38
FORMFEED Input/output valid values	YES, NO									
FULLSCREEN	EYUDA	CPSM	4	Yes	LIKE	Full screen option (OS/2)	YES		EALL	77
FULLSCREEN Input/output valid values	YES, NO									
HIGHLIGHT	EYUDA	CPSM	4	Yes	LIKE	Extended highlight supported	NO			39
HIGHLIGHT Input/output valid values	YES, NO									
HORIZFORM	EYUDA	CPSM	4	Yes	LIKE	BMS is to use horizontal tabbing	NO			40
HORIZFORM Input/output valid values	YES, NO									
IOAREALEN	CHAR	CPSM	8	No	DIFF	I/O buffer length	0	0-32767		41
IOAREALENALT	CHAR	CPSM	8	No	DIFF	Alternate I/O buffer length	0	0-32767		42
KATAKANA	EYUDA	CPSM	4	Yes	LIKE	Katakana feature	NO			43
KATAKANA Input/output valid values	YES, NO									
LDCLIST	CHAR	CPSM	8	No	DIFF	Name of logical device code list				44
LIGHTPEN	EYUDA	CPSM	4	Yes	LIKE	Selector pen feature	NO			45
LIGHTPEN Input/output valid values	YES, NO									
LOGMODE	CHAR	CPSM	8	No	DIFF	Logmode name				46
LOGONMSG	EYUDA	CPSM	4	Yes	LIKE	Good Morning transaction autoinitiation	NO			47
LOGONMSG Input/output valid values	YES, NO									
MSRCONTROL	EYUDA	CPSM	4	Yes	LIKE	Magnetic slot reader supported	NO			48
MSRCONTROL Input/output valid values	YES, NO									
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name				7

Table 404. TYPTMDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
NEPCLASS	CHAR	CPSM	4	No	DIFF	Node error program transaction class	0	0-255		49
OBFORMAT	EYUDA	CPSM	4	Yes	LIKE	Outboard formatting to be used	NO			50
OBFORMAT Input/output valid values	YES, NO									
OOPERID	EYUDA	CPSM	4	Yes	LIKE	Outboard operator ID BMS routing	NO			51
OOPERID Input/output valid values	YES, NO									
OUTLINE	EYUDA	CPSM	4	Yes	LIKE	Device supports field outline	NO			52
OUTLINE Input/output valid values	YES, NO									
PAGESIZECOL	CHAR	CPSM	4	No	DIFF	Page size (number of columns)	0	0-999		53
PAGESIZEROW	CHAR	CPSM	4	No	DIFF	Page size (number of rows)	0	0-999		54
PARTITIONS	EYUDA	CPSM	4	Yes	LIKE	Device uses partitions	YES			55
PARTITIONS Input/output valid values	YES, NO									
PRINTADAPTER	EYUDA	CPSM	4	Yes	LIKE	Printer adapter feature	NO			56
PRINTADAPTER Input/output valid values	YES, NO									
PROGSYMBOLS	EYUDA	CPSM	4	Yes	LIKE	Programmed symbols can be used	NO			57
PROGSYMBOLS Input/output valid values	YES, NO									
QUERY	EYUDA	CPSM	4	Yes	LIKE	Query structured field to be used	NO			58
QUERY Input/output valid values	NO, COLD, ALL									
RECEIVESIZE	CHAR	CPSM	8	No	DIFF	Maximum size of request unit	256	0-30720		59
RECOVNOTIFY	EYUDA	CPSM	4	Yes	LIKE	XRF recovery notification option	NONE			60
RECOVNOTIFY Input/output valid values	NONE, MESSAGE, TRANSACTION									
RECOVOPTION	EYUDA	CPSM	4	Yes	LIKE	Session recovery option	SYSDEFAULT			61
RECOVOPTION Input/output valid values	SYSDEFAULT, CLEARCONV, RELEASESESS, UNCONDREL, NONE									
RELREQ	EYUDA	CPSM	4	Yes	LIKE	Honor release requests	NO			62
RELREQ Input/output valid values	YES, NO									
ROUTEDMSG	EYUDA	CPSM	4	Yes	LIKE	Messages routed to terminal support				63
ROUTEDMSG Input/output valid values	ALL, NONE, SPECIFIC									
RSTSIGNOFF	EYUDA	CPSM	4	Yes	LIKE	Sign-on characteristics	NOFORCE			90

Table 404. TYPTMDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
RSTSIGNOFF Input/output valid values	NOFORCE, FORCE									
SENDSIZE	CHAR	CPSM	8	No	DIFF	Maximum send size	0	0-30720		64
SESSIONTYPE	CHAR	CPSM	8	No	DIFF	Type of session				65
SHIPPABLE	EYUDA	CPSM	4	Yes	LIKE	Definition shipped to a remote system	NO			66
SHIPPABLE Input/output valid values	NO, YES									
SIGNOFF	EYUDA	CPSM	4	Yes	LIKE	Automatic timeout	YES			67
SIGNOFF Input/output valid values	YES, NO, LOGOFF									
SOSI	EYUDA	CPSM	4	Yes	LIKE	Mixed EBCDIC/DBCS supported	NO			68
SOSI Input/output valid values	YES, NO									
TERMMODEL	CHAR	CPSM	4	No	DIFF	Terminal model number	1	1-2		83
TEXTKYBD	EYUDA	CPSM	4	Yes	LIKE	Text-keyboard feature	NO			69
TEXTKYBD Input/output valid values	YES, NO									
TEXTPRINT	EYUDA	CPSM	4	Yes	LIKE	Text-print feature	NO			70
TEXTPRINT Input/output valid values	YES, NO									
TTI	EYUDA	CPSM	4	Yes	LIKE	Transactions started via user	YES			71
TTI Input/output valid values	YES, NO									
UCTRAN	EYUDA	CPSM	4	Yes	LIKE	Input translated to uppercase	NO			72
UCTRAN Input/output valid values	YES, NO, TRANID									
USERAREALEN	CHAR	CPSM	4	No	DIFF	User area length	0	0-255		76
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				85
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				86
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				87
VALIDATION	EYUDA	CPSM	4	Yes	LIKE	Device supports extended validation	NO			73
VALIDATION Input/output valid values	YES, NO									
VERTICALFORM	EYUDA	CPSM	4	Yes	LIKE	BMS to use vertical tabbing	NO			74
VERTICALFORM Input/output valid values	YES, NO									
WRKSTATIONSU	CHAR	CPSM	8	No	DIFF	Workstation setup (OS/2)			EALL	81
XRFSIGNOFF	EYUDA	CPSM	4	No	LIKE	Replaced by RSTSIGNOFF. XRFSIGNOFF can be used in compatibility mode	NOFORCE		E620+	75

Table 404. TYPTMDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
XRFSIGNOFF Input/output valid values	NOFORCE, FORCE									

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## UOWDSNF Resource Table

A CICS Resource that describes a shunted unit of work due to a failed data set in an active system running the CICS TS for z/OS and being managed by CICSplex SM.

The **Primary** key field for this resource class is UOWID.

The **Secondary** key field for this resource class is DSNAME.

There are no object specific actions for this resource class.

**External resource name**

CICSUOWShuntedAndHoldingLocks

**Length**

104

**Usage** API or WUI or CICS Management Client Interface

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0084

Table 405. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 406. UOWDSNF resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	



Table 406. UOWDSNF resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
CAUSE	CVDAS	INQ	4	LIKE	Failed component which caused this failure	3
CAUSE Output valid values	CACHE, RLSSERVER, CONNECTION, DATASET, UNDEFINED					
<b>DSNAME-2</b>	CHAR	INQ	44	DIFF	Data set name with retained locks	2
NETNAME	CHAR	INQ	8	DIFF	Netname of remote system where connection lost	7
REASON	CVDAS	INQ	4	LIKE	Specific reason for error	6
REASON Output valid values	RLSGONE, COMMITFAIL, IOERROR, FAILEDBKOUT, DATASETFULL, DEADLOCK, INDEXRECFULL, OPENERORR, DELEXITERROR, BACKUPNONBWO, NOTAPPLIC, LCKSTRUCFULL, INDOUBT, RRINDOUBT, RRCOMMITFAIL					
RLSACCESS	CVDAS	INQ	4	LIKE	Mode in which data set last opened	4
RLSACCESS Output valid values	RLS, NOTRLS					
SYSID	CHAR	INQ	4	DIFF	Name of remote system where connection lost	5
<b>UOWID-1</b>	HEX	INQ	16	MIN	Unit of work (UOW) ID	1

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## UOWENQ Resource Table

A CICS Resource that describes an enqueue held by a unit of work in an active system running the CICS TS for z/OS and being managed by CICSplex SM.

The **Primary** key field for this resource class is UOWID.

The **Secondary** key field for this resource class is RESOURCE.

There are no object specific actions for this resource class.

**External resource name**

CICSUOWEnqueue

**Length**

608

**Usage** API or WUI or CICS Management Client Interface

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0080

Table 407. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 408. UOWENQ resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
ENQADDRESS	HEX	INQ	4	MIN	Address of EXEC enqueue argument	14
ENQFAILS	BINARY	INQ	4	AVG	Number of enqueue failures since last acquire	7
ENQSCOPE	CHAR	INQ	4	DIFF	ENQ scope name	13
NETUOWID	HEX	INQ	27	MIN	Network-wide LU6.2 unit of work (UOW) id	12
QUALIFIER	CHAR	INQ	255	DIFF	Resource name qualifier	11
QUALLEN	BINARY	INQ	2	AVG	Length of resource qualifier (bytes)	8
RELATION	CVDAS	INQ	4	LIKE	Owner or task waiting	6
RELATION Output valid values	OWNER, WAITER					
RESLEN	BINARY	INQ	2	AVG	Length of resource name (bytes)	9
<b>RESOURCE-2</b>	CHAR	INQ	255	DIFF	Resource name	10
STATE	CVDAS	INQ	4	LIKE	Enqueue type	4
STATE Output valid values	ACTIVE, RETAINED					
TASKID	DECIMAL	INQ	4	AVG	Task number associated with UOW	3
TRANSID	CHAR	INQ	4	DIFF	Transaction ID associated with UOW	2
TYPE	CVDAS	INQ	4	LIKE	Resource type	5
TYPE Output valid values	DATASET, EXECENQ, EXECENQADDR, FILE, TDQUEUE, TSQUEUE					
<b>UOWID-1</b>	HEX	INQ	16	MIN	Unit of work (UOW) ID	1

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## UOWLINK Resource Table

A CICS Resource that describes a connection used by a unit of work in an active system running the CICS TS for z/OS and being managed by CICSplex SM.

The **Primary** key field for this resource class is LINK.

The following actions are supported:

**DELETE**

Delete the UOW link.

The DELETE action requires no unique parameter data.

**External resource name**

CICSUOWLink

**Length**

520

**Usage** API or WUI or CICS Management Client Interface**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0081

*Table 409. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM SET	DELETE	None	N/A

*Table 410. UOWLINK resource table attributes*

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name		
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release		
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved		
BRANCHQUAL	HEX	INQ	64	DIFF	XID Branch Qualifier	E640 E650 E660 E670 E680	16
HOST	CHAR	INQ	255	DIFF	TCP/IP host address		12
<b>LINK-1</b>	HEX	INQ	4	MIN	Link token		1
LINKNAME	CHAR	INQ	8	DIFF	Netname of remote system, global user exit name or JVM server name		3
NETUOWID	HEX	INQ	27	MIN	Network-wide LU 6.2 name of UOW		10
PORT	BINARY	INQ	4	DIFF	TCP/IP port number	E640 E650 E660 E670 E680	15
PROTOCOL	CVDAS	INQ	4	LIKE	Link protocol		9
PROTOCOL Output valid values	APPC, IRC, LU61, RRMS, IPIC, OTS, NOTAPPLIC						
RESYNSTATUS	CVDAS	INQ	4	LIKE	Resynchronization status		8
RESYNSTATUS Output valid values	COLD, OK, STARTING, UNAVAILABLE, UNCONNECTED, NOTAPPLIC						
RMIQFY	CHAR	INQ	8	DIFF	Entry qualifier of task related user exit		6
ROLE	CVDAS	INQ	4	LIKE	Role of connection		7

Table 410. UOWLINK resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
ROLE Output valid values	COORDINATOR, SUBORDINATE, UNKNOWN						
RRMSURID	CHAR	CMF	32	DIFF	RRMS Unit of recoverable work ID		11
SYSID	CHAR	INQ	4	DIFF	Name of remote system		5
TYPE	CVDAS	INQ	4	LIKE	Resource type		4
TYPE Output valid values	CONNECTION, RMI, CFTABLE, IPCONN, JVMSERVER						
UOWID	HEX	INQ	16	MIN	Unit of work (UOW) ID		2
XID	HEX	INQ	64	DIFF	XID Global Transaction Identifier	E640	13

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## UOW Resource Table

A CICS Resource that describes a unit of work in an active system running the CICS TS for z/OS and being managed by CICSplex SM.

The **Primary** key field for this resource class is UOWID.

The following actions are supported for units of work that are shunted indoubt:

**BACKOUT**

Perform syncpoint backout processing.

**COMMIT**

Perform syncpoint commit processing.

**FORCE**

Force UOW to backout or commit.

These actions require no unique parameter data.

**External resource name**

CICSUOW

**Length**

248

**Usage** API or WUI or CICS Management Client Interface

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**  
EYUt0079

*Table 411. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM	FORCE	None	N/A
SET			
	BACKOUT	None	N/A
	COMMIT	None	N/A

*Table 412. UOW resource table attributes*

Name	Datatype	Source	Len	Sum	Set	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved	
AGE	BINARY	INQ	4	AVG	No	Time in current wait state (seconds)	5
LINK	CHAR	INQ	8	DIFF	No	Netname of remote system that caused wait	12
NETNAME	CHAR	INQ	8	DIFF	No	Netname of link causing UOW wait/shunt	6
NETUOWID	HEX	INQ	27	MIN	No	LU 6.2 network-wide name for UOW	13
OTSTID	CHAR	INQ	128	DIFF	No	Object transaction service (OTS) transaction ID	14
SYSID	CHAR	INQ	4	DIFF	No	System ID of connection that caused wait	7
TASKID	DECIMAL	INQ	4	AVG	No	Task originally associated with UOW	10
TERMID	CHAR	INQ	4	DIFF	No	Terminal from which this UOW was started	8
TRANSID	CHAR	INQ	4	DIFF	No	Transaction that started UOW	9
<b>UOWID-1</b>	HEX	INQ	16	MIN	No	Local unit of work (UOW) ID	1
UOWSTATE	CVDAS	INQ	4	LIKE	Yes	UOW status	2
UOWSTATE Input/output valid values	BACKOUT, COMMIT, FORCE						
UOWSTATE Output valid values	INDOUBT, INFLIGHT, HEURCOMMIT, HEURBACKOUT, FORCE						
USERID	CHAR	INQ	8	DIFF	No	User that started transaction	11
WAITCAUSE	CVDAS	INQ	4	LIKE	No	Cause of wait	4
WAITCAUSE Output valid values	NOTAPPLIC, CONNECTION, DATASET, WAITCOMMIT, WAITFORGET, RLSSERVER, WAITRMI, WAITRRMS						
WAITSTATE	CVDAS	INQ	4	LIKE	No	Wait status	3
WAITSTATE Output valid values	ACTIVE, SHUNTED, WAITING						

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## URIINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a universal resource identifier map definition (URIMPDEF) in a resource group (RESGROUP). A URIMPDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is URIGROUP.

The **Secondary** key field for this resource class is URINAME.

The **Tertiary** key field for this resource class is URIVER.

**External resource name**

**Length**

56

**Usage** API or Batch Utility or WUI

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt6178

Table 413. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

Table 414. URIINGRP FEEDBACK error codes

Value	Code	Description
1	URIINGRP_INV_DATA	Attribute data invalid
2	URIINGRP_REC_NOT_FOUND	Requested resource not found
4	URIINGRP_REC_EXISTS	Resource already exists
6	URIINGRP_INV_RESTYPE	Invalid resource type
7	URIINGRP_INV_VER	Invalid resource version
11	URIINGRP_NON_MP	Maintenance point CMAS not available
12	URIINGRP_INV_CONTEXT	Context not found
21	URIINGRP_INCONSISTENT_SET	Inconsistent set
22	URIINGRP_DIFF_VERSION	Different version
23	URIINGRP_INV_NAME	Invalid name
24	URIINGRP_INV_MINNAME	Invalid minor name

Table 415. URIINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>URIGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name	5
<b>URINAME-2</b>	CHAR	CPSM	8	Yes	DIFF	URIMAP definition name	6
<b>URIVER-3</b>	BINARY	CPSM	1	Yes	AVG	URIMAP definition version	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## URIMAP Resource Table

A CICS resource that describes the universal resource identifier (URI) of requests from web clients or requests to a remote server.

The **Primary** key field for this resource class is NAME.

The following actions are supported:

**ENABLE**

Enable access to the URIMAP definition by programs.

**DISABLE**

Disable program access to the URIMAP definition. A URIMAP definition has to be disabled before it can be reinstalled or discarded.

**DISCARD**

Remove a URIMAP definition from the system.

**External resource name**

CICSURIMap

**Length**

1616

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**  
EYUt0162

*Table 416. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM	ENABLE	None	N/A
SET			
	DISABLE	None	N/A
	DISCARD	None	N/A

*Table 417. URIMAP resource table attributes*

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved			
ANALYZERSTAT	CVDAS	INQ	4	LIKE	No	Use an analyzer program to process HTTP request			13
ANALYZERSTAT Output valid values	ANALYZER, NOANALYZER								
APPLICATION	CHAR	INQ	64	DIFF	No	Application Name		E640 E650 E660 E670 E680	52
APPLMAJORVER	BINARY	INQ	4	MAX	No	Major Version		E640 E650 E660 E670 E680	55
APPLMICROVER	BINARY	INQ	4	MAX	No	Micro Version		E640 E650 E660 E670 E680	57
APPLMINORVER	BINARY	INQ	4	MAX	No	Minor Version		E640 E650 E660 E670 E680	56
ATOMSERVICE	CHAR	CPSM	8	DIFF	No	Atomservice that will process the request.		E640 E650	44
AUTHENTICATE	CVDAS	INQ	4	LIKE	No	Authentication level		E640 E650	46
AUTHENTICATE Output valid values	BASICAUTH, NOAUTHENTIC								
AVAILSTATUS	CVDAS	INQ	4	LIKE	No	Availability status		E640 E650 E660 E670 E680	58
AVAILSTATUS Output valid values	AVAILABLE, UNAVAILABLE, NONE								
BASDEFINEVER	BINARY	CPSM	1	AVG	No	BAS resource definition version	0	E640 E650	39
CERTIFICATE	CHAR	INQ	32	DIFF	No	SSL client certificate for outbound HTTPS request			20
CHANGEAGENT	CVDAS	INQ	4	LIKE	No	Last modification agent		E640 E650	31



Table 417. URIMAP resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
CHANGEAGENT Input/output valid values	CSDAPI, CSDBATCH, DREPAPI, DREPBATCH, DYNAMIC, CREATESPI, NOTAPPLIC, SYSTEM								
CHANGEAGREL	CHAR	INQ	4	DIFF	No	Last modification agent release		E640 E650	32
CHANGETIME	DATETIME	INQ	8	MAX	No	Last modification time		E640 E650	34
CHANGEUSRID	CHAR	INQ	8	DIFF	No	Last modification user ID		E640 E650	30
CHARACTERSET	CHAR	INQ	40	DIFF	No	Character set of CICS response to the HTTP request			8
CIPHERS	CHAR	INQ	56	DIFF	No	SSL cipher suite codes			21
CONVERTER	CHAR	INQ	8	DIFF	No	Converter program to process request content			14
DEFINESOURCE	CHAR	INQ	8	DIFF	No	Source of the resource definition		E640 E650	35
DEFINETIME	DATETIME	INQ	8	MAX	No	Creation time		E640 E650	36
ENABLESTATUS	CVDAS	INQ	4	LIKE	Yes	Status			2
ENABLESTATUS Input/output valid values	ENABLED, DISABLED								
ENABLESTATUS Output valid values	DISABLEDHOST								
HFSFILE	CHAR	INQ	255	DIFF	No	Qualified zFS file to form the static response			11
HOST	CHAR	INQ	116	DIFF	No	Host component of the URI			5
HOSTCODEPAGE	CHAR	INQ	10	DIFF	No	Code page in which the static response is encoded			9
HOSTTYPE	CVDAS	INQ	4	LIKE	No	The format of the host name or address		E640 E650	42
HOSTTYPE Output valid values	HOSTNAME, IPV4, IPV6, NOTAPPLIC								
INSTALLAGENT	CVDAS	INQ	4	LIKE	No	Installation agent		E640 E650	33
INSTALLAGENT Input/output valid values	CSDAPI, CREATESPI, DYNAMIC, GRPLIST, BUNDLE								
INSTALLTIME	DATETIME	INQ	8	MAX	No	Installation time		E640 E650	38
INSTALLUSRID	CHAR	INQ	8	DIFF	No	Installation user ID		E640 E650	37
IPFAMILY	CVDAS	INQ	4	LIKE	No	The format of the resolved IP address		E640 E650	41
IPFAMILY Output valid values	IPV4, IPV6, UNKNOWN								
IPRESOLVED	CHAR	INQ	39	DIFF	No	The resolved IP address of this URIMAP		E640 E650	40
LOCATION	CHAR	INQ	255	DIFF	Yes	URI to which to redirect the inbound HTTP request			22
MAPREFCOUNT	BINARY	STAT	4	AVG	No	URI map reference count			24
MATCHDISABLD	BINARY	STAT	4	AVG	No	URI map host or path disabled			25
MATCHREDIREC	BINARY	STAT	4	AVG	No	URI map host or path redirect			26
MEDIATYPE	CHAR	INQ	56	DIFF	No	Media type of CICS response to the HTTP request			7
<b>NAME-1</b>	CHAR	INQ	8	DIFF	No	Name			1

Table 417. URIMAP resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
NUMCIPHERS	BINARY	INQ	2	LIKE	No	Number of SSL cipher suite codes			27
OPERATION	CHAR	INQ	64	DIFF	No	Operation Name		E640 E650 E660 E670 E680	54
PATH	CHAR	INQ	255	DIFF	No	Path component of URI to which the map applies			6
PIPELINE	CHAR	INQ	8	DIFF	No	Pipeline that will process the request			17
PLATFORM	CHAR	INQ	64	DIFF	No	Platform Name		E640 E650 E660 E670 E680	53
PORT	BINARY	INQ	4	DIFF	No	Port number for USAGE(CLIENT)		E640 E650	43
PROGRAM	CHAR	INQ	8	DIFF	No	Application program that will process the request			16
REDIRECTTYPE	CVDAS	INQ	4	LIKE	Yes	Type of redirection			29
REDIRECTTYPE Input/output valid values	NONE, TEMPORARY, PERMANENT								
SCHEME	CVDAS	INQ	4	LIKE	No	Scheme component of URI to which the map applies			4
SCHEME Output valid values	HTTP, HTTPS								
SOCKETCLOSE	BINARY	INQ	4	DIFF	No	Time out for pooled sockets (secs)		E640 E650 E660	47
SOCKPLSZPEAK	BINARY	STAT	4	MAX	No	Peak number of pooled sockets			49
SOCKPOOLSIZE	BINARY	INQ	4	DIFF	No	Number of pooled sockets		E640 E650 E660	48
SOCKRECLAIMD	BINARY	STAT	4	MAX	No	Number of reclaimed sockets			50
SOCKTIMEDOUT	BINARY	STAT	4	MAX	No	Number of timed out sockets			51
TCPIPSERVICE	CHAR	INQ	8	DIFF	No	Inbound TCP/IP service relating to this URI map			12
TEMPLATENAME	CHAR	INQ	48	DIFF	No	Document template to form the static response			10
TRANSACTION	CHAR	INQ	4	DIFF	No	Alias transaction to run application for response			15
USAGE	CVDAS	INQ	4	LIKE	No	URI map usage			3
USAGE Output valid values	SERVER, CLIENT, PIPELINE, ATOM, JVMSERVER								
USERID	CHAR	INQ	8	DIFF	No	User ID to attach the alias transaction			19
WEBSERVICE	CHAR	INQ	32	DIFF	No	Web service that will process the request			18

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

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## URIMPDEF Resource Table

A CICS definition that describes the universal resource identifier (URI) of requests from web clients or requests to a remote server.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

The following actions are supported:

### INSTALL

Install a Connection Definition.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

### ADDTGRP

Add to resource group

PARM(' [ERRQUEUE] RESGROUP(*value*) .')

**Note:** When creating this resource you should consider specifying the HOST attribute in lower case as CICS will convert this attribute name to lower case at install time. If you have not used a lower case name, you may subsequently have difficulty finding your host.

### External resource name

CICSDefinitionURIMap

### Length

1392

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

### API view

No

### CMAS context

No

### SCOPE applies

No

### Only query CMASs in workload

No

### Object type

CICS Definition

### Copybook identifier

EYUt3833

Table 418. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No
		CSDGROUP(value)	No
		RESGROUP(value)	No
CREATE		CSD	No
		RESGROUP(value)	No

Table 418. Valid CPSM operations (continued)

Operations	Actions	Parameters	Required
UPDATE		CSD	No
REMOVE		CSD	No
PERFORM SET	INSTALL	FORCEINS(YES, NO)	No
		MODE(value)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No
		RELATED(value)	No
		STATECHK(YES, NO)	No
		TARGET(value)	Yes
		USAGE(LOCAL)	Yes
	ADDTGRP	RESGROUP(value)	Yes
	CSDINSTALL	None	N/A
	CSDCOPY	AS_RESOURCE(value)	No
		DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No

Table 419. URIMPDEF FEEDBACK error codes

Value	Code	Description
1	URIMPDEF_INV_DATA	Attribute data invalid
2	URIMPDEF_REC_NOT_FOUND	Requested resource not found
4	URIMPDEF_REC_EXISTS	Resource already exists
5	URIMPDEF_REC_CHANGED	Resource definition already changed
6	URIMPDEF_INV_RESTYPE	Invalid resource type
7	URIMPDEF_INV_VER	Invalid resource version
11	URIMPDEF_NON_MP	Maintenance point CMAS not available
12	URIMPDEF_INV_CONTEXT	Context not found
13	URIMPDEF_INCONSISTENT_SET	Inconsistent set condition
14	URIMPDEF_INV_RESGROUP	Resource group not found
21	URIMPDEF_INV_ACTION	Invalid action
22	URIMPDEF_INV_RECADDR	Invalid record address
23	URIMPDEF_INV_RECLEN	Invalid record length
24	URIMPDEF_DIFF_VERSION	Different version
25	URIMPDEF_EARLY_NAMELIST_END	Early name list end
26	URIMPDEF_INV_NAMELIST	Invalid name list
27	URIMPDEF_INV_NAME	Invalid name
28	URIMPDEF_INV_MINNAME	Invalid minor name
29	URIMPDEF_NOTIFY	Notify
30	URIMPDEF_PARTIAL_INSTALL	Partial install
31	URIMPDEF_NOTHING_INSTALLED	Nothing installed
32	URIMPDEF_NO_TARGETS	No targets
33	URIMPDEF_NO_RELATED	No related systems
34	URIMPDEF_INV_TSCOPE	Invalid target scope
35	URIMPDEF_INV_RSCOPE	Invalid related scope
36	URIMPDEF_INV_USAGE	Invalid usage
37	URIMPDEF_INV_MODE	Invalid mode
38	URIMPDEF_INV_STATECHK	Invalid state check
39	URIMPDEF_INV_FORCEINS	Invalid force install
40	URIMPDEF_INV_NOTIFY	Invalid notify
41	URIMPDEF_INV_OVERTYPE	Invalid over type

Table 419. URIMPDEF FEEDBACK error codes (continued)

Value	Code	Description
42	URIMPDEF_INV_OVRBLOCK	Invalid override block
43	URIMPDEF_INV_ORSTRING	Invalid override string
44	URIMPDEF_INV_STRNGTERM	Invalid string term
45	URIMPDEF_INV_EMBEDTERM	Invalid embedded terminator
46	URIMPDEF_INV_ATTRIBUTE	Invalid attribute
47	URIMPDEF_INV_LITERAL	Invalid literal
48	URIMPDEF_INV_ORSTGNA	Invalid override string
49	URIMPDEF_SCOPE_REQUIRED	Scope required
50	URIMPDEF_USAGE_CONFLICT	Usage conflict
51	URIMPDEF_NODEFS_SELECTED	No definitions selected
52	URIMPDEF_MORE_THAN_1_RELSYS	More than one related system
53	URIMPDEF_MISSING_RELSYSID	Missing related system identifier
54	URIMPDEF_SCOPE_CONFLICT	Scope conflict
55	URIMPDEF_INV_CSDGROUP	Invalid CSD group
56	URIMPDEF_REC_NOT_REMOVED	Record not removed
57	URIMPDEF_INV_RESOURCE	Invalid resource
58	URIMPDEF_INV_CICS_RESTYPE	Invalid CICS restype
59	URIMPDEF_PARTIAL_ACTION	Partial action
60	URIMPDEF_NOTHING_ACTIONED	Nothing actioned
61	URIMPDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive
62	URIMPDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
63	URIMPDEF_CSD_ERROR	CSD access error

Table 420. URIMPDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
ANALYZER	EYUDA	CPSM	4	No	LIKE	Use an analyzer program to process HTTP request	NO			26
ANALYZER Input/output valid values	NO, YES									
ATOMSERVICE	CHAR	CPSM	8	No	AVG	Atomservice that will process the request.			E640 E650	44
AUTHENTICATE	EYUDA	CPSM	4	Yes	LIKE	Authentication level	N_A		E640 E650	45
AUTHENTICATE Input/output valid values	N_A, NO, BASIC									
CERTIFICATE	CHAR	CPSM	32	No	DIFF	SSL client certificate for outbound HTTPS request				33
CHANGEAGENT	CVDA\$	CPSM	4	No	LIKE	Last modification agent			E640 E650	39
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	41
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification time				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	40
CHARACTERSET	CHAR	CPSM	40	No	DIFF	Character set of CICS response to the HTTP request				21

Table 420. URIMPDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
CIPHERS	CHAR	CPSM	56	No	DIFF	Cipher suite codes to be used for outbound SSL				34
CONVERTER	CHAR	CPSM	8	No	DIFF	Converter program to process request content				27
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				9
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	46
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		5
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		38
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				13
HFSFILE	CHAR	CPSM	255	No	DIFF	Qualified zFS file to form the static response				24
HOST	CHAR	CPSM	116	Yes	DIFF	Host component of URI to which the map applies				18
HOSTCODEPAGE	CHAR	CPSM	10	No	DIFF	Code page in which the static response is encoded				22
LOCATION	CHAR	CPSM	255	No	DIFF	URI to which to redirect the inbound HTTP request				35
MEDIATYPE	CHAR	CPSM	56	No	DIFF	Media type of CICS response to the HTTP request				20
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name				7
PATH	CHAR	CPSM	255	Yes	DIFF	Path component of URI to which the map applies				19
PIPELINE	CHAR	CPSM	8	No	DIFF	Pipeline that will process the request				30
PORT	CHAR	CPSM	8	No	DIFF	Port number	NO	1-65535	E640 E650	43
PORT Input/output valid values	NO									
PROGRAM	CHAR	CPSM	8	No	DIFF	Application program that will process the request				29
REDIRECTTYPE	CVDAS	CPSM	4	Yes	LIKE	Type of redirection	NONE			37
REDIRECTTYPE Input/output valid values	NONE, TEMPORARY, PERMANENT									
SCHEME	CVDAS	CPSM	4	Yes	LIKE	Scheme component of URI to which the map applies	HTTP			17
SCHEME Input/output valid values	HTTP, HTTPS									
SOCKETCLOSE	CHAR	CPSM	6	No	DIFF	Time out for pooled sockets (HHMMSS)			E640 E650 E660	47
STATUS	CVDAS	CPSM	4	Yes	LIKE	Enabled status	ENABLED			15
STATUS Input/output valid values	ENABLED, DISABLED									
TCPIPSERVICE	CHAR	CPSM	8	No	DIFF	Inbound TCP/IP service relating to this URI map				25
TEMPLATENAME	CHAR	CPSM	48	No	DIFF	Document template to form the static response				23

Table 420. URIMPDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
TRANSACTION	CHAR	CPSM	4	No	DIFF	Alias transaction to run application for response				28
USAGE	CVDAS	CPSM	4	Yes	LIKE	URI map usage type	SERVER			16
USAGE Input/output valid values	SERVER, CLIENT, PIPELINE, ATOM, JVMSERVER									
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				10
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				11
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				12
USERID	CHAR	CPSM	8	No	DIFF	The user ID to attach the alias transaction				32
WEBSERVICE	CHAR	CPSM	32	No	DIFF	Web service that will process the request				31

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## URIMPGBL Resource Table

A CICS resource, with no key, that describes the global statistics returned by CICS extract statistics for the URIMAP resource.

**External resource name**

CICSGlobalURIMapStatistics

**Length**

72

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0166

Table 421. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 422. URIMPGBL resource table attributes

Name	Datatype	Source	Len	Sum	Description	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name		
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release		
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved		
DRCTATTCOUNT	BINARY	STAT	4	SUM	Direct attach count	E640 E650 E660 E670 E680 E690	16
DYNAMCONTENT	BINARY	STAT	4	SUM	URI map dynamic content		8
EPREFCOUNT	BINARY	STAT	4	SUM	Entry point reference count	E640 E650 E660 E670 E680	15
HOSTDISABLED	BINARY	STAT	4	SUM	Host disabled count		13
MAPREFCOUNT	BINARY	STAT	4	SUM	URI map reference count		1
MATCHANALYZE	BINARY	STAT	4	SUM	URI map host or path match analyzer		6
MATCHCOUNT	BINARY	STAT	4	SUM	URI map host or path match count		4
MATCHDISABLD	BINARY	STAT	4	SUM	URI map host or path disabled		2
MATCHREDIREC	BINARY	STAT	4	SUM	URI map host or path redirect		5
NOMATCHCOUNT	BINARY	STAT	4	SUM	URI map host or path no match count		3
PIPELINEREQS	BINARY	STAT	4	SUM	URI map pipeline requests		10
SCHEMEHTTP	BINARY	STAT	4	SUM	URI map SCHEME(HTTP) requests		11
SCHEMEHTTPS	BINARY	STAT	4	SUM	URI map SCHEME(HTTPS) requests		12
STATICCONTENT	BINARY	STAT	4	SUM	URI map static content		7

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## VOLUME Resource Table

A CICS Resource that describes a tape volume used by a tape journal in an active CICS system being managed by CICSplex SM.

The **Primary** key field for this resource class is VOLUME.

The following actions are supported:

**ADD** Add a volume.

The parameter data for the ADD action is:

```
PARM('VOLSER(volser) JOURNAL(jrn1)
      [AVAILSTAT(cvda)].')
```

where:



volser = (Required) 6-character volume serial number  
 jrn1 = (Required) Journal number, from 1 - 99  
 cvda = Valid CVDA for the volume availability condition

## REMOVE

Remove a volume.

## External resource name

## Length

64

## Usage EVALDEF

## API view

Yes

## CMAS context

No

## SCOPE applies

Yes

## Only query CMASs in workload

No

## Object type

CICS Resource

## Copybook identifier

EYUt0016

Table 423. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM	ADD	AVAILSTAT(NOWRITE, OK)	No
SET		JOURNAL(value)	Yes
		VOLSER(value)	Yes
REMOVE		None	N/A

Table 424. VOLUME resource table attributes

Name	Datatype	Source	Len	Sum	Set	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved	
AVAILSTATUS	CVDAS	INQ	4	LIKE	Yes	Availability status	6
AVAILSTATUS Input/output valid values	OK, NOWRITE						
AVAILSTATUS Output valid values	FINPUT, FOUTPUT, FOPEN, FCLOSE						
DATE	CHAR	INQ	5	DIFF	No	Date when earliest data written	8
EMPTYSTATUS	CVDAS	INQ	4	LIKE	No	Empty status	3
EMPTYSTATUS Output valid values	EMPTY, NOTEMPTY						
JOURNALNUM	BINARY	INQ	2	AVG	Yes	Journal number	2
LONGDATE	CHAR	INQ	7	DIFF	No	Date with 4-digit year	9
OPENSTATUS	CVDAS	INQ	4	LIKE	No	Open status	5

Table 424. VOLUME resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Attr ID
OPENSTATUS Output valid values	OPEN, CLOSED, OPENING						
PART	BINARY	INQ	4	AVG	No	Sequence number in volume series	4
TIME	CHAR	INQ	6	DIFF	No	Time when earliest data written	7
<b>VOLUME-1</b>	CHAR	INQ	6	DIFF	No	Volume serial number	1

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## WEBINGRP Resource Table

A CPSM Business Application Services Definition that describes the membership of a web services definition (WEBSVDEF) in a resource group (RESGROUP). A WEBSVDEF can be a member of multiple RESGROUPs.

The **Primary** key field for this resource class is WEBGROUP.

The **Secondary** key field for this resource class is WEBNAME.

The **Tertiary** key field for this resource class is WEBVER.

There are no object specific actions for this resource class.

**External resource name**

**Length**

56

**Usage** API or Batch Utility or WUI

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt6180

Table 425. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

Table 426. WEBINGRP FEEDBACK error codes

Value	Code	Description
1	WEBINGRP_INV_DATA	Attribute data invalid
2	WEBINGRP_REC_NOT_FOUND	Requested resource not found
4	WEBINGRP_REC_EXISTS	Resource already exists
6	WEBINGRP_INV_RESTYPE	Invalid resource type
7	WEBINGRP_INV_VER	Invalid resource version
11	WEBINGRP_NON_MP	Maintenance point CMAS not available
12	WEBINGRP_INV_CONTEXT	Context not found
21	WEBINGRP_INCONSISTENT_SET	Inconsistent set
22	WEBINGRP_DIFF_VERSION	Different version
23	WEBINGRP_INV_NAME	Invalid name
24	WEBINGRP_INV_MINNAME	Invalid minor name

Table 427. WEBINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	8
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last time the definition was changed	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	9
<b>WEBGROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Resource group name	5
<b>WEBNAME-2</b>	CHAR	CPSM	8	Yes	DIFF	WebService definition name	6
<b>WEBVER-3</b>	BINARY	CPSM	1	Yes	AVG	WebService definition version	7

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## WEBSERV Resource Table

A CICS resource that defines aspects of the runtime environment for a CICS application program deployed as a web service, where the mapping between application data structure and SOAP messages has been generated using CICS-supplied tools.

The **Primary** key field for this resource class is NAME.

**External resource name**  
CICSWebService

**Length**  
1496

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**  
Yes

**CMAS context**  
No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0165

*Table 428. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A
PERFORM SET	DISCARD	None	N/A

*Table 429. WEBSERV resource table attributes*

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved			
ARCHIVEFILE	CHAR	INQ	255	DIFF	No	Fully-qualified archive file on zFS		E640 E650 E660	38
BASDEFINEVER	BINARY	CPSM	1	AVG	No	BAS resource definition version	0	E640 E650	37
BINDING	CHAR	INQ	255	DIFF	No	The WSDL binding that this web service represents			10
CCSID	BINARY	INQ	4	LIKE	No	Coded character set ID		E640	17
CHANGEAGENT	CVDAS	INQ	4	LIKE	No	Last modification agent		E640 E650	29
CHANGEAGENT Input/output valid values	CSDAPI, CSDBATCH, DREPAPI, DREPBATCH, DYNAMIC, CREATESPI, NOTAPPLIC								
CHANGEAGREL	CHAR	INQ	4	DIFF	No	Last modification agent release		E640 E650	30
CHANGETIME	DATETIME	INQ	8	MAX	No	Last modification time		E640 E650	32
CHANGEUSRID	CHAR	INQ	8	DIFF	No	Last modification user ID		E640 E650	27
CONTAINER	CHAR	INQ	16	DIFF	No	Container used if the program input is CHANNEL			13
DEFINESOURCE	CHAR	INQ	8	DIFF	No	Source of the resource definition		E640 E650	33
DEFINETIME	DATETIME	INQ	8	MAX	No	Creation time		E640 E650	34
ENDPOINT	CHAR	INQ	255	DIFF	No	The endpoint URI of a remote web service			9
INSTALLAGENT	CVDAS	INQ	4	LIKE	No	Installation agent		E640 E650	31
INSTALLAGENT Input/output valid values	CSDAPI, CREATESPI, DYNAMIC, GRPLIST, BUNDLE								
INSTALLTIME	DATETIME	INQ	8	MAX	No	Installation time		E640 E650	36
INSTALLUSRID	CHAR	INQ	8	DIFF	No	Installation user ID		E640 E650	35

Table 429. WEBSERV resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
LASTMODTIME	DATETIME	INQ	8	MAX	No	Time the WSBind file on zFS was last updated			14
MAPPINGLEVEL	CHAR	INQ	8	DIFF	No	Mapping level used in WSBind file		E640	18
MAPPINGRNUM	BINARY	INQ	4	LIKE	No	Mapping release number part of MAPLEVEL		E640	20
MAPPINGVNUM	BINARY	INQ	4	LIKE	No	Mapping version number part of MAPLEVEL		E640	19
MINRUNLEVEL	CHAR	INQ	8	DIFF	No	Minimum runtime level required by WSBind file		E640	21
MINRUNRNUM	BINARY	INQ	4	LIKE	No	Minimum runtime release number part of MINRUNLVL		E640	23
MINRUNVNUM	BINARY	INQ	4	LIKE	No	Minimum runtime version number part of MINRUNLVL		E640	22
<b>NAME-1</b>	CHAR	INQ	32	DIFF	No	Name			1
PGMINTERFACE	CVDAS	INQ	4	LIKE	No	Where the specified program expects input			12
PGMINTERFACE Output valid values	CHANNEL, COMMAREA, NOTAPPLIC								
PIPELINE	CHAR	INQ	8	DIFF	No	Pipeline in which this web service is installed			5
PROGRAM	CHAR	INQ	8	DIFF	No	Application program to implement this web service			8
STATE	CVDAS	INQ	4	LIKE	No	Web service status			15
STATE Output valid values	INITING, DISCARDING, INSERVICE, UNUSABLE, UPDATING, DISABLED, DISABLING								
URIMAP	CHAR	INQ	8	DIFF	No	Dynamically installed URI map for this web service			7
VALIDATIONST	CVDAS	INQ	4	LIKE	Yes	Perform validation of SOAP messages against WSDL	NOVALIDATION		6
VALIDATIONST Input/output valid values	VALIDATION, NOVALIDATION								
WEBUSECOUNT	BINARY	STAT	4	SUM	No	Number of times web service used			16
WSBIND	CHAR	INQ	255	DIFF	No	Fully-qualified WSBind file on zFS			2
WSDLFILE	CHAR	INQ	255	DIFF	No	Fully-qualified WSDL file on zFS			3
XOPDIRECTST	EYUDA	INQ	4	LIKE	No	Current web service direct mode XOP status		E640	25
XOPDIRECTST Output valid values	SUPPORTED, NOTSUPPORTED								
XOPSUPPORTST	EYUDA	INQ	4	LIKE	No	Web service XOP capability		E640	24
XOPSUPPORTST Output valid values	SUPPORTED, NOTSUPPORTED								

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

---

## WEBSVDEF Resource Table

A CICS definition that describes aspects of the run-time environment for a CICS application program deployed in a web services setting, where the mapping between application data structure and SOAP messages has been generated using CICS-supplied tools.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is DEFVER.

The **Tertiary** key field for this resource class is CSDGROUP.

The following actions are supported:

### INSTALL

Install a Connection Definition.

The parameter data for the INSTALL action is described in “Parameters for installing CICS definitions using BAS” on page 17.

### ADDTOGRP

Add to resource group

PARM(' [ERRQUEUE] RESGROUP(*value*) .')

### External resource name

CICSDefinitionWebService

### Length

920

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

### API view

No

### CMAS context

No

### SCOPE applies

No

### Only query CMASs in workload

No

### Object type

CICS Definition

### Copybook identifier

EYUt3835

Table 430. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		CICSSYS(value)	No
		CSDGROUP(value)	No
		RESGROUP(value)	No
CREATE		CSD	No
		RESGROUP(value)	No
UPDATE		CSD	No
REMOVE		CSD	No

Table 430. Valid CPSM operations (continued)

Operations	Actions	Parameters	Required
PERFORM SET	INSTALL	FORCEINS(YES, NO)	No
		MODE(value)	No
		NOTIFY(NO, INACTIVE, RELEASE, FULL)	No
		OVERRIDE	No
		OVERTYPE(TARGET, RELATED, BOTH, NONE)	No
		RELATED(value)	No
		STATECHK(YES, NO)	No
		TARGET(value)	Yes
		USAGE(LOCAL)	Yes
		RESGROUP(value)	Yes
	ADDTGRP	None	N/A
	CSDINSTALL	AS_RESOURCE(value)	No
	CSDCOPY	DUPACTION(DUPERROR, DUPNOREPLACE, DUPREPLACE)	No
		TO_CSDGROUP(value)	No

Table 431. WEBSVDEF FEEDBACK error codes

Value	Code	Description
1	WEBSVDEF_INV_DATA	Attribute data invalid
2	WEBSVDEF_REC_NOT_FOUND	Requested resource not found
4	WEBSVDEF_REC_EXISTS	Resource already exists
5	WEBSVDEF_REC_CHANGED	Resource definition already changed
6	WEBSVDEF_INV_RESTYPE	Invalid resource type
7	WEBSVDEF_INV_VER	Invalid resource version
11	WEBSVDEF_NON_MP	Maintenance point CMAS not available
12	WEBSVDEF_INV_CONTEXT	Context not found
13	WEBSVDEF_INCONSISTENT_SET	Inconsistent set condition
14	WEBSVDEF_INV_RESGROUP	Resource group not found
21	WEBSVDEF_INV_ACTION	Invalid action
22	WEBSVDEF_INV_RECADDR	Invalid record address
23	WEBSVDEF_INV_RECLEN	Invalid record length
24	WEBSVDEF_DIFF_VERSION	Different version
25	WEBSVDEF_EARLY_NAMELIST_END	Early name list end
26	WEBSVDEF_INV_NAMELIST	Invalid name list
27	WEBSVDEF_INV_NAME	Invalid name
28	WEBSVDEF_INV_MINNAME	Invalid minor name
29	WEBSVDEF_NOTIFY	Notify
30	WEBSVDEF_PARTIAL_INSTALL	Partial install
31	WEBSVDEF_NOTHING_INSTALLED	Nothing installed
32	WEBSVDEF_NO_TARGETS	No targets
33	WEBSVDEF_NO_RELATED	No related systems
34	WEBSVDEF_INV_TSCOPE	Invalid target scope
35	WEBSVDEF_INV_RSCOPE	Invalid related scope
36	WEBSVDEF_INV_USAGE	Invalid usage
37	WEBSVDEF_INV_MODE	Invalid mode
38	WEBSVDEF_INV_STATECHK	Invalid state check
39	WEBSVDEF_INV_FORCEINS	Invalid force install
40	WEBSVDEF_INV_NOTIFY	Invalid notify
41	WEBSVDEF_INV_OVERTYPE	Invalid over type
42	WEBSVDEF_INV_OVRBLOCK	Invalid override block
43	WEBSVDEF_INV_ORSTRING	Invalid override string

Table 431. WEBSVDEF FEEDBACK error codes (continued)

Value	Code	Description
44	WEBSVDEF_INV_STRNGTERM	Invalid string term
45	WEBSVDEF_INV_EMBEDTERM	Invalid embedded terminator
46	WEBSVDEF_INV_ATTRIBUTE	Invalid attribute
47	WEBSVDEF_INV_LITERAL	Invalid literal
48	WEBSVDEF_INV_ORSTGNA	Invalid override string
49	WEBSVDEF_SCOPE_REQUIRED	Scope required
50	WEBSVDEF_USAGE_CONFLICT	Usage conflict
51	WEBSVDEF_NODEFS_SELECTED	No definitions selected
52	WEBSVDEF_MORE_THAN_1_RELSYS	More than one related system
53	WEBSVDEF_MISSING_RELSYSID	Missing related system identifier
54	WEBSVDEF_SCOPE_CONFLICT	Scope conflict
55	WEBSVDEF_INV_CSDGROUP	Invalid CSD group
56	WEBSVDEF_REC_NOT_REMOVED	Record not removed
57	WEBSVDEF_INV_RESOURCE	Invalid resource
58	WEBSVDEF_INV_CICS_RESTYPE	Invalid CICS restype
59	WEBSVDEF_PARTIAL_ACTION	Partial action
60	WEBSVDEF_NOTHING_ACTIONED	Nothing actioned
61	WEBSVDEF_INV_BOTHTOAS	TO_CSDGROUP and AS_RESOURCE are mutually exclusive
62	WEBSVDEF_INV_NOTTOAS	Either TO_CSDGROUP or AS_RESOURCE is required
63	WEBSVDEF_CSD_ERROR	CSD access error

Table 432. WEBSVDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
ARCHIVEFILE	CHAR	CPSM	255	No	DIFF	Fully-qualified archive file on zFS			E640 E650 E660	25
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			E640 E650	20
CHANGEAGENT Input/output valid values	DREPAPI									
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			E640 E650	22
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification time				1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			E640 E650	21
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created				9
<b>CSDGROUP-3</b>	CHAR	CPSM	8	Yes	DIFF	CSD group			E640 E650	24
<b>DEFVER-2</b>	BINARY	CPSM	1	Yes	AVG	Version	0	0-15		5
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999		18
DESCRIPTION	CHAR	CPSM	58	No	DIFF	Description				13
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name				7
PIPELINE	CHAR	CPSM	8	Yes	DIFF	Pipeline in which to install this web service				14
USERDATA1	CHAR	CPSM	8	No	DIFF	User data area 1				10
USERDATA2	CHAR	CPSM	8	No	DIFF	User data area 2				11
USERDATA3	CHAR	CPSM	8	No	DIFF	User data area 3				12
VALIDATION	EYUDA	CPSM	4	No	LIKE	Perform validation of SOAP messages against WSDL	NO			17



Table 432. WEBSVDEF resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Get Invalid	Attr ID
VALIDATION Input/output valid values	NO, YES									
WSBIND	CHAR	CPSM	255	Yes	DIFF	Fully-qualified WSBIND file on zFS				15
WSDLFILE	CHAR	CPSM	255	No	DIFF	Fully-qualified WSDL file on zFS				16

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## WLMAROUT Resource Table

A CICSplex SM Workload Manager object that describes a CICS router region in an active workload. WLMAROUT returns a router status record from every CMAS in the workload.

The **Primary** key field for this resource class is WORKLOAD.

The **Secondary** key field for this resource class is WRKLOWNER.

The **Tertiary** key field for this resource class is TOR.

The **Fourth** key field for this resource class is RPTINGCMAS.

There are no object specific actions for this resource class.

**External resource name**

CICSWLMActiveRouter

**Length**

80

**Usage** API or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Manager

**Copybook identifier**

EYUt2660

Table 433. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		WORKLOAD(value)	No

Table 434. WLMAROUT resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
ABDCMPSTATE	EYUDA	CPSM	4	LIKE	Abend compensation status	16
ABDCMPSTATE Output valid values	YES, NO					
CON_STATUS	EYUDA	CPSM	4	LIKE	Routing region contact status	7
CON_STATUS Output valid values	LOSTCON, N_A					
FMIDSEQ	CHAR	INQ	4	DIFF	FMID sequence number	13
MVSSYSNAME	CHAR	CPSM	8	DIFF	MVS system name	12
OWSTATE	EYUDA	CPSM	4	LIKE	Optimization status	10
OWSTATE Output valid values	ACTIVE, INACTIVE, N_A					
RELEASE	CHAR	CPSM	3	DIFF	CICS Release	15
<b>RPTINGCMAS-4</b>	CHAR	CPSM	8	DIFF	Reporting CMAS name	17
RTUOWEND	BINARY	CPSM	8	SUM	Unit of work completes	11
STRTIME	TIMESTP	CPSM	8	MAX	Local time at which router was started	14
<b>TOR-3</b>	CHAR	CPSM	8	DIFF	Routing region name	5
TOROWNER	CHAR	CPSM	8	DIFF	Name of controlling CMAS	9
<b>WORKLOAD-1</b>	CHAR	CPSM	8	DIFF	Workload name	4
<b>WRKLOWNER-2</b>	CHAR	CPSM	4	DIFF	System ID of workload owner	8

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## WLMATAFF Resource Table

A CICSplex SM Workload Manager object that describes an active affinity relationship for a dynamic transaction. An instance of this object exists for the duration of the affinity, which in many cases is a very short period of time.

This object is referenced within the scope of a workload. The workload name must be explicitly identified in the PARM option of the API GET command by coding the following text string:

```
PARM('WORKLOAD(workload).')
```

*workload* is the name of an active workload and is required. Alternatively, you can code the following text string:

```
PARM('WORKLOAD(*).')
```

You can specify a workload name of \* as a wildcard. Using this wildcard returns a WLMATAFF record for every workload with which the target region is associated. No other generic form of workload name can be specified. You must use an explicit workload name or the wildcard.

The **Primary** key field for this resource class is WORKLOAD.

The **Secondary** key field for this resource class is WRKLOWNER.

The **Tertiary** key field for this resource class is TRANGRP.

The **Fourth** key field for this resource class is USERID.

The **Fifth** key field for this resource class is LUNAME.

The **Sixth** key field for this resource class is TORNAME.

The **Seventh** key field for this resource class is TERMID.

The **Eighth** key field for this resource class is RESERVD2.

The **Ninth** key field for this resource class is AFFKEY.

The following action is supported:

**FORCE**

Force an affinity to be broken.

This action is provided for use when system failures occur and manual recovery of a workload is required. It is not intended for general use and may cause damage if used in an inappropriate manner. CICSplex SM makes no checks before the forced removal of an affinity relation.

**External resource name**

CICSWLMActiveAffinity

**Length**

240

**Usage** API or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

Yes

**Object type**

CICSplex SM Manager

**Copybook identifier**

EYUt2487

Table 435. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		WORKLOAD(value)	No
PERFORM	FORCE	None	N/A
SET			

Table 436. WLMATAFF FEEDBACK error codes

Value	Code	Description
21	WLMATAFF_AFFINITY_NOT_FOUND	Affinity not found
22	WLMATAFF_WORKLOAD_NOT_FOUND	Workload not found

Table 436. WLMATAFF FEEDBACK error codes (continued)

Value	Code	Description
23	WLMATAFF_TRANGRP_NOT_FOUND	Transaction group not found
24	WLMATAFF_NO_WORKLOAD	No workload
25	WLMATAFF_NO_TRANGRP	No transaction group
26	WLMATAFF_WORKLOAD_FROZEN	Workload frozen

Table 437. WLMATAFF resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
AFFINITY	EYUDA	CPSM	4	LIKE	Affinity relationship	6
AFFINITY Input/output valid values	LOCKED					
AFFINITY Output valid values	GLOBAL, LUNAME, USERID, BAPPL					
<b>AFFKEY-9</b>	HEX	CPSM	64	LIKE	Key that identifies creator of affinity	19
AOR	CHAR	CPSM	8	DIFF	Target region	13
CBTSKEY	HEX	CPSM	52	LIKE	BTS activity ID	16
LIFETIME	EYUDA	CPSM	4	LIKE	Affinity lifetime	7
LIFETIME Input/output valid values	UOW					
LIFETIME Output valid values	LOGON, PCONV, PERMANENT, SIGNON, SYSTEM, DELIMIT, ACTIVITY, PROCESS					
LOCUOWID	HEX	CPSM	8	LIKE	Local unit-of-work ID	17
<b>LUNAME-5</b>	CHAR	CPSM	17	DIFF	Terminal LU name	10
NETUOWID	HEX	CPSM	27	LIKE	Network unit-of-work ID	18
<b>RESERVD2-8</b>	CHAR	CPSM	11	DIFF	The activity ID of the CBTS activity	15
<b>TERMID-7</b>	CHAR	CPSM	8	DIFF	Routing region terminal	12
<b>TORNAME-6</b>	CHAR	CPSM	8	DIFF	Routing region	11
<b>TRANGRP-3</b>	CHAR	CPSM	8	DIFF	Transaction group	4
<b>USERID-4</b>	CHAR	CPSM	8	DIFF	User identifier	9
<b>WORKLOAD-1</b>	CHAR	CPSM	8	DIFF	Workload name	5
<b>WRKLOWNER-2</b>	CHAR	CPSM	4	DIFF	System ID of workload owner	14

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## WLMATARG Resource Table

A CICSplex SM Workload Manager object that describes a CICS system used as a target region for one or more active workloads.

This object is referenced by its target region name only - it has no referential affinities to any explicitly named workloads.

The **Primary** key field for this resource class is AOR.

The **Secondary** key field for this resource class is RPTINGCMAS.

The following actions are supported:

**RESET**

Force the dynamic routing statistics counters to be reset to zero.

This action requires no unique parameter data.

**External resource name**  
CICSWLMTarget

**Length**  
184

**Usage** API or WUI or CICS Management Client Interface

**API view**  
No

**CMAS context**  
No

**SCOPE applies**  
Yes

**Only query CMASs in workload**  
No

**Object type**  
CICSplex SM Manager

**Copybook identifier**  
EYUt2659

Table 438. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
PERFORM	RESET	None	N/A
SET			

Table 439. WLMATARG FEEDBACK error codes

Value	Code	Description
21	WLMATARG_NO_AOR	Target region not defined

Table 440. WLMATARG resource table attributes

Name	Datatype	Source	Len	Sum	Description	Default	Attr ID
<b>AOR-1</b>	CHAR	CPSM	8	DIFF	Target region name		4
BOTRSUPD	BINARY	CPSM	1	MAX	RS server bottom tier	10	34
CFREADCT	BINARY	CPSM	8	SUM	Coupling Facility read count		39
CFUPDCNT	BINARY	CPSM	8	MAX	Coupling Facility update count		26
CON_STATUS	EYUDA	CPSM	4	LIKE	Target region contact status		6
CON_STATUS Output valid values	LOSTCON, N_A						
CPSMVER	CHAR	CPSM	4	SUM	CICSplex SM version		38
EVENTS	BINARY	CPSM	4	MAX	RTA event count for target region		10
HLTHDUMP	EYUDA	CPSM	4	LIKE	Region is dumping		22
HLTHDUMP Output valid values	NO, YES						
HLTHMAXT	EYUDA	CPSM	4	LIKE	Region is at MAXTASKS		23
HLTHMAXT Output valid values	NO, YES						
HLTHNRM	EYUDA	CPSM	4	LIKE	MAS non responsive		37
HLTHNRM Output valid values	NO, YES						

Table 440. WLMATARG resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Description	Default	Attr ID
HLTHSOS	EYUDA	CPSM	4	LIKE	Short on storage		20
HLTHSOS Output valid values	NO, YES						
HLTHSTALL	EYUDA	CPSM	4	LIKE	Region has stalled		21
HLTHSTALL Output valid values	NO, YES						
MAXTASKS	BINARY	CPSM	4	MAX	Maximum task count for region		25
OWNINGCMAS	CHAR	CPSM	8	DIFF	Owning CMAS name		28
OWSTATE	EYUDA	CPSM	4	LIKE	Optimization status		7
OWSTATE Output valid values	ACTIVE, INACTIVE, N_A						
READRS	BINARY	CPSM	2	MAX	RS server read interval	200	30
ROUTEWGHT	BINARY	CPSM	4	MAX	WLM routing weight for region		8
ROUTINGLOAD	BINARY	CPSM	4	MAX	Routing Load		24
<b>RPTINGCMAS-2</b>	CHAR	CPSM	8	DIFF	Reporting CMAS name		36
RSPOLID	CHAR	CPSM	8	DIFF	RS server pool name		27
RTABEND	BINARY	CPSM	8	SUM	Route abends		17
RTCOMPLETE	BINARY	CPSM	8	SUM	Route completes		19
RTERROR	BINARY	CPSM	8	SUM	Route errors		14
RTINITIATE	BINARY	CPSM	8	SUM	Route initiates		18
RTNOTIFY	BINARY	CPSM	8	SUM	Route notifies		16
RTSELECT	BINARY	CPSM	8	SUM	Route selections		13
RTTERMINATE	BINARY	CPSM	8	SUM	Route terminates		15
STATUS	EYUDA	CPSM	4	LIKE	Target region status		5
STATUS Input/output valid values	ACTIVE, QUIESCE						
STATUS Output valid values	QUIESCING, QUIESCED						
TASKINC	BINARY	CPSM	2	MAX	Task count increment value		29
TASKLOAD	BINARY	CPSM	4	MAX	Task load percentage		12
TOPRSUPD	BINARY	CPSM	1	MAX	RS server top tier	5	33
UPDATERS	BINARY	CPSM	1	MAX	RS Server update frequency	15	31
WLMOPTEN	EYUDA	CPSM	4	LIKE	Optimization enablement state		35
WLMOPTEN Output valid values	ENABLED, DISABLED						
WLMQMODE	EYUDA	CPSM	4	LIKE	Task load queue mode	ALL	11
WLMQMODE Input/output valid values	ALL, MAXTASK, N_A						
WLMTHRSH	BINARY	CPSM	1	MAX	Task load health threshold	60	32
WRKLCDCNT	BINARY	CPSM	4	MAX	Workload count		9

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## WLMATGRP Resource Table

A CICSplex SM Workload Manager object that describes a transaction group installed in an active workload.

This object is referenced within the scope of a workload. The workload name must be explicitly identified in the PARM option of the API GET command by coding the following text string:

```
PARM('WORKLOAD(workload).')
```

*workload* is the name of an active workload and is required. Alternatively, you can code the following text string:

```
PARM('WORKLOAD(*)').')
```

You can specify a workload name of \* as a wildcard. Using this wildcard returns a WLMATGRP record for every workload with which the target region is associated. No other generic form of workload name can be specified - it must be an explicit workload name or the wildcard.

You can specify other parameters, but the workload name is required.

The **Primary** key field for this resource class is WORKLOAD.

The **Secondary** key field for this resource class is WRKLOWNER.

The **Tertiary** key field for this resource class is TRANGRP.

The following actions are supported:

**ACTIVE**

Activate the Transaction Group.

**DORMANT**

Make the Transaction Group dormant.

**SET**

Modify attributes of the Active Transaction Group.

These actions require no unique parameter data.

A transaction group in the dormant state does not make affinity relation decisions about AOR target selection. It does, however, record static affinity relations. This allows a transaction group to be installed before activating dynamic transaction routing to record affinities based on the existing static routing configuration. When the transaction group is made active, it then has a valid representation of affinities created using static facilities.

**External resource name**

CICSWLMActiveTransactionGroup

**Length**

64

**Usage** API or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

Yes

**Object type**  
CICSplex SM Manager

**Copybook identifier**  
EYUt2486

Table 441. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		WORKLOAD(value)	No
PERFORM	ACTIVE	WORKLOAD(value)	No
SET			
	DORMANT	WORKLOAD(value)	No
SET		None	N/A

Table 442. WLMATGRP FEEDBACK error codes

Value	Code	Description
21	WLMATGRP_NO_WORKLOAD	No workload
22	WLMATGRP_NO_TRANGRP	No transaction group
23	WLMATGRP_WORKLOAD_FROZEN	Workload frozen
24	WLMATGRP_INVALID_ALGORITHM	Invalid algorithm type

Table 443. WLMATGRP resource table attributes

Name	Datatype	Source	Len	Sum	Set	Description	Default	Attr ID
ABENDCRIT	BINARY	CPSM	1	AVG	No	Acceptable abend level		10
ABENDTHRESH	BINARY	CPSM	1	AVG	No	Acceptable target region load level		11
AFFAUTO	EYUDA	CPSM	4	LIKE	No	Automatic affinity creation		15
AFFAUTO Input/output valid values	YES, NO, N_A							
AFFINITY	EYUDA	CPSM	4	LIKE	No	Affinity relationship		8
AFFINITY Input/output valid values	GLOBAL, LUNAME, USERID, NONE, N_A, BAPPL, LOCKED							
AFFLIFE	EYUDA	CPSM	4	LIKE	No	Affinity lifetime		9
AFFLIFE Input/output valid values	LOGON, PCONV, PERMANENT, SIGNON, SYSTEM, DELIMIT, NONE, N_A, ACTIVITY, PROCESS, UOW							
ALGTYPE	EYUDA	CPSM	4	LIKE	Yes	Algorithm type	INHERIT	16
ALGTYPE Input/output valid values	INHERIT, QUEUE, LNQUEUE, GOAL, LNGOAL							
EVENTNAME	CHAR	CPSM	8	DIFF	No	Event name		12
FILTER	EYUDA	CPSM	4	LIKE	No	Primary search criterion		7
FILTER Input/output valid values	LUNAME, USERID							
STATUS	EYUDA	CPSM	4	LIKE	Yes	Transaction group status		6
STATUS Input/output valid values	ACTIVE, DORMANT							
TRANCNT	BINARY	CPSM	4	AVG	No	Active transaction count		17
<b>TRANGRP-3</b>	CHAR	CPSM	8	DIFF	No	Transaction group		4
<b>WORKLOAD-1</b>	CHAR	CPSM	8	DIFF	No	Workload		5
<b>WRKLOWNER-2</b>	CHAR	CPSM	4	DIFF	No	Workload owner		13

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.



---

## WLMATRAN Resource Table

A CICSplex SM Workload Manager object that describes a dynamic transaction defined explicitly to CICSplex SM. Dynamic transactions have to be defined only if they have specific separation or affinity criteria.

This object is referenced within the scope of a workload. The workload name must be explicitly identified in the PARM option of the API GET command by coding the following text string:

```
PARM('WORKLOAD(workload).')
```

*workload* is the name of an active workload and is required. Alternatively, you can code the following text string:

```
PARM('WORKLOAD(*)').')
```

You can specify a workload name of \* as a wildcard. Using this wildcard returns a WLMATRAN record for every workload with which the target region is associated. No other generic form of workload name can be specified. You must use an explicit workload name or the wildcard.

You can specify other parameters, but the workload name is required.

The **Primary** key field for this resource class is WORKLOAD.

The **Secondary** key field for this resource class is WRKLOWNER.

The **Tertiary** key field for this resource class is TRANID.

The following action is supported:

### **FORCE**

Force removal of a transaction.

The FORCE action requires no unique parameter data.

### **External resource name**

CICSWLMActiveTransaction

### **Length**

32

**Usage** API or WUI or CICS Management Client Interface

### **API view**

No

### **CMAS context**

No

### **SCOPE applies**

No

### **Only query CMASs in workload**

Yes

### **Object type**

CICSplex SM Manager

### **Copybook identifier**

EYUt2488

Table 444. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		WORKLOAD(value)	No
PERFORM	FORCE	None	N/A
SET			

Table 445. WLMATRAN FEEDBACK error codes

Value	Code	Description
21	WLMATRAN_NO_WORKLOAD	No workload
22	WLMATRAN_NO_TRANSID	No transaction ID
23	WLMATRAN_WORKLOAD_FROZEN	Workload frozen
24	WLMATRAN_MAL_PENDING	MAL pending

Table 446. WLMATRAN resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
PSEUDOMODE	EYUDA	CPSM	4	LIKE	Start or end of pseudo-conversation	5
PSEUDOMODE Output valid values	START, END, N_A					
TRANGRP	CHAR	CPSM	8	DIFF	Transaction group	6
<b>TRANID-3</b>	CHAR	CPSM	8	DIFF	Transaction	4
<b>WORKLOAD-1</b>	CHAR	CPSM	8	DIFF	Workload name	7
<b>WRKLOWNER-2</b>	CHAR	CPSM	4	DIFF	System ID of workload owner	8

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## WLMAWAOR Resource Table

A CICSplex SM Workload Manager object that describes a CICS system used as an AOR in an active workload.

This object is referenced within the scope of a workload. The workload name must be explicitly identified in the PARM option of the API GET command by coding the following text string:

```
PARM('WORKLOAD(workload).')
```

*workload* is the name of an active workload and is required. Alternatively, you can code the following text string:

```
PARM('WORKLOAD(*)').')
```

You can specify a workload name of \* as a wildcard. Using this wildcard returns a WLMAWAOR record for every workload with which the target region is associated. No other generic form of workload name can be specified. You must use an explicit workload name or the wildcard.

You can specify other parameters, but the workload name is required.

The **Primary** key field for this resource class is WORKLOAD.

The **Secondary** key field for this resource class is WRKLOWNER.

The **Tertiary** key field for this resource class is AOR.

The following actions are supported:

**ACTIVATE**

Allow transactions to be routed to an AOR.

**QUIESCE**

Do not route new transactions to an AOR.

These actions require no unique parameter data.

When an AOR QUIESCE is requested, no new transactions are routed to the AOR. Existing tasks are not affected. Only transactions with an affinity to the AOR continue to be routed. When all affinities have been removed, the AOR no longer receives any new transactions.

**Note:** 2147483647 is a special value for *ROUTEWGHT* indicating that the target is quiesced.

**External resource name**

CICSWLMActiveAOR

**Length**

104

**Usage** API or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

Yes

**Object type**

CICSPlex SM Manager

**Copybook identifier**

EYUt2484

Table 447. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		TRANNAME(value)	No
		WORKLOAD(value)	No
PERFORM	ACTIVATE	None	N/A
SET	QUIESCE	None	N/A

Table 448. WLMAWAOR FEEDBACK error codes

Value	Code	Description
21	WLMAWAOR_NO_AOR	Target region not defined

Table 449. WLMWAOR resource table attributes

Name	Datatype	Source	Len	Sum	Description	Default	Attr ID
<b>AOR-3</b>	CHAR	CPSM	8	DIFF	Target region name		5
CFUPDCNT	BINARY	CPSM	8	AVG	Coupling Facility update count		24
CON_STATUS	EYUDA	CPSM	4	LIKE	Target region contact status		7
CON_STATUS Output valid values	LOSTCON, N_A						
CPSMVER	CHAR	CPSM	4	DIFF	CICSplex SM version		28
EVENTS	EYUDA	CPSM	4	AVG	RTA event active		25
EVENTS Output valid values	NO, YES						
HLTHDUMP	EYUDA	CPSM	4	LIKE	Region is dumping		19
HLTHDUMP Output valid values	NO, YES						
HLTHMAXT	EYUDA	CPSM	4	LIKE	Region is at MAXTASKS		20
HLTHMAXT Output valid values	NO, YES						
HLTHNRM	EYUDA	CPSM	4	LIKE	MAS non responsive		27
HLTHNRM Output valid values	NO, YES						
HLTHSOS	EYUDA	CPSM	4	LIKE	Short on storage		17
HLTHSOS Output valid values	NO, YES						
HLTHSTALL	EYUDA	CPSM	4	LIKE	Region has stalled		18
HLTHSTALL Output valid values	NO, YES						
MAXTASKS	BINARY	CPSM	4	AVG	Maximum task count for region		22
OWSTATE	EYUDA	CPSM	4	LIKE	Optimization status		16
OWSTATE Output valid values	ACTIVE, INACTIVE, N_A						
READRS	BINARY	CPSM	2	AVG	RS server read interval	200	9
ROUTEWGHT	BINARY	CPSM	4	AVG	WLM routing weight for region		23
ROUTINGLOAD	BINARY	CPSM	4	AVG	Routing Load		21
RSPOOLID	CHAR	CPSM	8	DIFF	RS server pool name		26
STATUS	EYUDA	CPSM	4	LIKE	Target region status		6
STATUS Input/output valid values	ACTIVE, QUIESCE						
STATUS Output valid values	QUIESCING, QUIESCED						
TASKINC	BINARY	CPSM	2	AVG	Task count increment value		13
TASKLOAD	BINARY	CPSM	4	AVG	Task load percentage		15
UPDATERS	BINARY	CPSM	1	AVG	RS Server update frequency	15	10
WLMQMODE	EYUDA	CPSM	4	DIFF	Task load queue mode	ALL	12
WLMQMODE Input/output valid values	ALL, MAXTASK, N_A						
WLMTHRSH	BINARY	CPSM	1	AVG	Task load health threshold	60	11
<b>WORKLOAD-1</b>	CHAR	CPSM	8	DIFF	Workload name		4
<b>WRKLOWNER-2</b>	CHAR	CPSM	4	DIFF	System ID of workload owner		8

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

---

## WLMWDEF Resource Table

A CPSM Workload Manager object that describes a workload definition installed in an active workload.

This object is referenced within the scope of a workload. The workload name must be explicitly identified in the PARM option of the API GET command by coding the following text string:

```
PARM('WORKLOAD(workload).')
```

*workload* is the name of an active workload and is required. Alternatively, you can code the following text string:

```
PARM('WORKLOAD(*)').')
```

You can specify a workload name of \* as a wildcard. Using this wildcard returns a WLMWDEF record for every workload with which the target region is associated. No other generic form of workload name can be specified. You must use an explicit workload name or the wildcard.

You can specify other parameters, but the workload name is required.

The **Primary** key field for this resource class is WORKLOAD.

The **Secondary** key field for this resource class is WRKLOWNER.

The **Tertiary** key field for this resource class is NAME.

The following action is supported:

### DISCARD

Remove the installed definition.

The DISCARD action requires no unique parameter data.

### External resource name

CICSWLMActiveDefinition

### Length

128

**Usage** API or WUI or CICS Management Client Interface

### API view

No

### CMAS context

No

### SCOPE applies

No

### Only query CMASs in workload

Yes

### Object type

CICSPlex SM Manager

### Copybook identifier

EYUt2489

Table 450. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		WORKLOAD(value)	No
PERFORM	DISCARD	None	N/A
SET			

Table 451. WLMAWDEF FEEDBACK error codes

Value	Code	Description
21	WLMAWDEF_WLMDEF_NOT_FOUND	Workload management definition not found
22	WLMAWDEF_NO_WORKLOAD	No workload
23	WLMAWDEF_NO_WLMDEF	No workload management definition (WLMDEF)
24	WLMAWDEF_WORKLOAD_FROZEN	Workload frozen
25	WLMAWDEF_MAL_PENDING	Request scheduled for execution later

Table 452. WLMAWDEF resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
AORSCOPE	CHAR	CPSM	8	DIFF	Scope name of set of target systems	9
DESC	CHAR	CPSM	58	DIFF	Description	10
LUNAME	CHAR	CPSM	17	DIFF	Terminal LU name	7
<b>NAME-3</b>	CHAR	CPSM	8	DIFF	Workload definition	4
PROCESSTYPE	CHAR	CPSM	8	DIFF	Process type	12
TRANGRP	CHAR	CPSM	8	DIFF	Transaction group	6
USERID	CHAR	CPSM	8	DIFF	User ID	8
<b>WORKLOAD-1</b>	CHAR	CPSM	8	DIFF	Workload name	5
<b>WRKLOWNER-2</b>	CHAR	CPSM	4	DIFF	System ID of workload owner	11

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## WLMAWORK Resource Table

A CICSplex SM Workload Manager object that describes an active workload.

The **Primary** key field for this resource class is WORKLOAD.

The **Secondary** key field for this resource class is WRKLOWNER.

The following action is supported:

**SET** Modify attributes of the Active Workload. This action requires no unique parameter data.

The WLMAWORK object does not exist until the first CICS region that is defined as a router has initialized and created the workload. The creation of the workload is indicated in the CMAS EYULOG by message EYUWM0400I.

Update the entry for the ALGTYPE attribute in Table 440, WLMAWORK resource table attributes, changing the value in the Set column to YES.

**External resource name**  
CICSWLMActiveWorkload

**Length**  
144

**Usage** API or WUI or CICS Management Client Interface

**API view**  
No

**CMAS context**  
No

**SCOPE applies**  
No

**Only query CMASs in workload**  
No

**Object type**  
CICSplex SM Manager

**Copybook identifier**  
EYUt2483

Table 453. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A

Table 454. WLMAWORK FEEDBACK error codes

Value	Code	Description
21	WLMAWORK_NO_WORKLOAD	No workload
22	WLMAWORK_WORKLOAD_FROZEN	Workload frozen
23	WLMAWORK_INVALID_ALGORITHM	Invalid algorithm type

Table 455. WLMAWORK resource table attributes

Name	Datatype	Source	Len	Sum	Set	Description	Attr ID
ABENDCRIT	BINARY	CPSM	1	AVG	No	Acceptable level of abend probability	15
ABENDTHRESH	BINARY	CPSM	1	AVG	No	Acceptable target region load level	16
AFFAUTO	EYUDA	CPSM	4	LIKE	No	Automatic affinity creation	20
AFFAUTO Output valid values	YES, NO, N_A						
AFFINITY	EYUDA	CPSM	4	LIKE	No	Default affinity relation	5
AFFINITY Output valid values	GLOBAL, LUNAME, USERID, NONE, N_A, BAPPL, LOCKED						
AFFLIFE	EYUDA	CPSM	4	LIKE	No	Default affinity lifetime	6
AFFLIFE Output valid values	LOGON, PCONV, PERMANENT, SIGNON, SYSTEM, DELIMIT, NONE, N_A, ACTIVITY, PROCESS, UOW						
ALGTYPE	EYUDA	CPSM	4	LIKE	Yes	Default algorithm type	14
ALGTYPE Input/output valid values	QUEUE, GOAL, LNQUEUE, LNGOAL						
AORCNT	BINARY	CPSM	2	AVG	No	Active target regions	8
AORSCOPE	CHAR	CPSM	8	DIFF	No	Default target scope	9
DESC	CHAR	CPSM	58	DIFF	No	Description	10
EVENTNAME	CHAR	CPSM	8	DIFF	No	Event name	17
OWSTATE	EYUDA	CPSM	4	LIKE	No	Optimization status	22
OWSTATE Output valid values	ACTIVE, PARTIAL, INACTIVE						

Table 455. WLMWORK resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Attr ID
SHARED	EYUDA	CPSM	4	LIKE	No	Shared status	21
SHARED Output valid values	YES, NO						
STATUS	EYUDA	CPSM	4	LIKE	No	Workload status	12
STATUS Output valid values	ACTIVE, FROZEN						
TORCNT	BINARY	CPSM	2	AVG	No	Active routing regions	7
WAFFCNT	BINARY	CPSM	4	AVG	No	Active transaction group affinities	26
WDEFCNT	BINARY	CPSM	4	AVG	No	Active workload definitions	23
<b>WORKLOAD-1</b>	CHAR	CPSM	8	DIFF	No	Name	4
<b>WRKLOWNER-2</b>	CHAR	CPSM	4	DIFF	No	Owning system ID	18
WTGPCNT	BINARY	CPSM	4	AVG	No	Active transaction groups	25
WTRNCNT	BINARY	CPSM	4	AVG	No	Active dynamic transactions	24

#### Related information:

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## WLMAWTOR Resource Table

A CICSplex SM Workload Manager object that describes a CICS system used as a TOR in an active workload.

This object is referenced within the scope of a workload. The workload name must be explicitly identified in the PARM option of the API GET command by coding the following text string:

```
PARM('WORKLOAD(workload).')
```

*workload* is the name of an active workload and is required. Alternatively, you can code the following text string:

```
PARM('WORKLOAD(*)').')
```

You can specify a workload name of \* as a wildcard. Using this wildcard returns a WLMAWTOR record for every workload with which the target region is associated. No other generic form of workload name can be specified. You must use an explicit workload name or the wildcard.

You can specify other parameters, but the workload name is required.

The **Primary** key field for this resource class is WORKLOAD.

The **Secondary** key field for this resource class is WRKLOWNER.

The **Tertiary** key field for this resource class is TOR.

There are no object specific actions for this resource class.

#### External resource name

CICSWLMActiveTOR

#### Length

40



**Usage** API or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

Yes

**Object type**

CICSplex SM Manager

**Copybook identifier**

EYUt2485

Table 456. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		WORKLOAD(value)	No

Table 457. WLMAWTOR resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
CON_STATUS	EYUDA	CPSM	4	LIKE	Routing region contact status	7
CON_STATUS Output valid values	LOSTCON, N_A					
OWSTATE	EYUDA	CPSM	4	LIKE	Optimization status	10
OWSTATE Output valid values	ACTIVE, INACTIVE, N_A					
<b>TOR-3</b>	CHAR	CPSM	8	DIFF	Routing region name	5
TOROWNER	CHAR	CPSM	8	DIFF	Name of controlling CMAS	9
<b>WORKLOAD-1</b>	CHAR	CPSM	8	DIFF	Workload name	4
<b>WRKLOWNER-2</b>	CHAR	CPSM	4	DIFF	System ID of workload owner	8

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

---

## WLMDEF Resource Table

A CPSM Workload Manager Definition that describes the separation and affinity requirements for a set of dynamic transactions.

The **Primary** key field for this resource class is NAME.

The following action is supported:

**INSTALL**

Install the definition into a workload.

The parameter data for the INSTALL action is:

PARM('WORKLOAD(workload) OWNER(owner).')

where:

workload = (Required) Name of an active workload to process definition.  
owner = (Required) System ID of CMAS that created workload, as identified by WLMWORK.

**External resource name**

CICSWLMDefinition

**Length**

160

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

Yes

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt3508

*Table 458. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
UPDATE		None	N/A
REMOVE		None	N/A
PERFORM	INSTALL	OWNER(value)	Yes
SET		WORKLOAD(value)	Yes
	ADDTGRP	RESGROUP(value)	Yes

*Table 459. WLMDEF FEEDBACK error codes*

Value	Code	Description
1	WLMDEF_INV_DATA	Attribute data invalid
2	WLMDEF_REC_NOT_FOUND	Requested resource not found
3	WLMDEF_INV_REFERENCE	not found
4	WLMDEF_REC_EXISTS	Resource already exists
5	WLMDEF_REC_CHANGED	Resource definition already changed
21	WLMDEF_NO_WLMDEF	No workload management definition
22	WLMDEF_NO_WORKLOAD	No workload
23	WLMDEF_WORKLOAD_FROZEN	Workload frozen
24	WLMDEF_MAL_PENDING	Request scheduled for execution later
25	WLMDEF_PARAMS_IGNORED	Parameters ignored
26	WLMDEF_NODEFS_INSTALLED	No definitions installed
27	WLMDEF_AORSCOPE_NOT_FOUND	AOR scope not found
28	WLMDEF_TRANGRP_NOT_FOUND	Transaction group not found

Table 460. WLMDEF resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
AORSCOPE	CHAR	CPSM	8	Yes	DIFF	Scope name of set of target systems			9
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			14
CHANGEAGENT Input/output valid values	DREPAPI								
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			17
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification			1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			16
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created			15
DESC	CHAR	CPSM	58	No	DIFF	Description			10
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999	13
LUNAME	CHAR	CPSM	17	Yes	DIFF	Terminal LU name			7
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Workload management definition			5
PROCESSTYPE	CHAR	CPSM	8	Yes	DIFF	BTS process type	*		11
TRANGRP	CHAR	CPSM	8	No	DIFF	Transaction group			6
USERID	CHAR	CPSM	8	Yes	DIFF	User ID			8

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## WLMGROUP Resource Table

A CPSM Workload Manager Definition that provides the association anchor for a set of WLMDEF definitions. References to a WLMGROUP are inferred to be references to the set of associated WLMDEF instances.

The **Primary** key field for this resource class is NAME.

The following action is supported:

### INSTALL

Install the set of WLMDEF definitions.

The parameter data for the INSTALL action is:

```
PARM('WORKLOAD(workload) OWNER(owner).')
```

where:

workload = (Required) Name of an active workload to process group.

owner = (Required) System ID of CMAS that created

workload, as identified by WLMWORK.

### External resource name

CICSWLMGroup

### Length

112

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**  
No

**CMAS context**  
No

**SCOPE applies**  
No

**Only query CMASs in workload**  
Yes

**Object type**  
CICSplex SM Definition

**Copybook identifier**  
EYUt3506

Table 461. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
UPDATE		None	N/A
REMOVE		None	N/A
PERFORM	INSTALL	OWNER(value)	Yes
SET		WORKLOAD(value)	Yes
	ADDTOSPC	SPEC(value)	Yes

Table 462. WLMGROUP FEEDBACK error codes

Value	Code	Description
1	WLMGROUP_INV_DATA	Attribute data invalid
2	WLMGROUP_REC_NOT_FOUND	Requested resource not found
3	WLMGROUP_INV_REF	Not found
4	WLMGROUP_REC_EXISTS	Resource already exists
5	WLMGROUP_REC_CHANGED	Resource definition already changed
21	WLMGROUP_NO_WLMGROUP	No workload management group
22	WLMGROUP_NO_WORKLOAD	No workload
23	WLMGROUP_WORKLOAD_FROZEN	Workload frozen
24	WLMGROUP_MAL_PENDING	Request scheduled for execution later
25	WLMGROUP_PARMS_IGNORED	Parameters ignored
26	WLMGROUP_NODEFS_INSTALLED	No definitions installed
27	WLMGROUP_NODEFS_ASSOCIATED	No definitions in group

Table 463. WLMGROUP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			8
CHANGEAGENT Input/output valid values	DREPAPI								
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			11
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification			1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			10
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created			9

Table 463. WLMGROUP resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
DESC	CHAR	CPSM	58	No	DIFF	Description			6
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999	7
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Workload management group			5

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## WLMINGRP Resource Table

A CPSM Workload Manager Definition that describes the membership of a workload definition (WLMDEF) in a workload group (WLMGROUP). A WLMDEF can be a member of multiple WLMGROUPs.

The **Primary** key field for this resource class is GROUP.

The **Secondary** key field for this resource class is DEF.

There are no object specific actions for this resource class.

**External resource name**

CICSWLMResourceInGroup

**Length**

56

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSPlex SM Definition

**Copybook identifier**

EYUt5378

Table 464. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

Table 465. WLMINGRP FEEDBACK error codes

Value	Code	Description
1	WLMINGRP_INV_DATA	Attribute data invalid
2	WLMINGRP_REC_NOT_FOUND	Requested resource not found
3	WLMINGRP_INV_REFERENCE	Attribute references an invalid resource
4	WLMINGRP_REC_EXISTS	Resource already exists

Table 466. WLMINGRP resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	7
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	10
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	9
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	8
<b>DEF-2</b>	CHAR	CPSM	8	Yes	DIFF	Name of workload management (WLM) definition	6
<b>GROUP-1</b>	CHAR	CPSM	8	Yes	DIFF	Workload management (WLM) group	5

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## WLMINSPC Resource Table

A CPSM Workload Manager Definition that describes the membership of a workload group (WLMGROUP) in a workload specification (WLMSPEC). A WLMGROUP can be a member of multiple WLMSPECs.

The **Primary** key field for this resource class is NAME.

The **Secondary** key field for this resource class is GROUP.

There are no object specific actions for this resource class.

**External resource name**

CICSWLMGroupInSpecification

**Length**

56

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**  
CICSplex SM Definition

**Copybook identifier**  
EYUt5123

Table 467. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
REMOVE		None	N/A

Table 468. WLMINSPC FEEDBACK error codes

Value	Code	Description
1	WLMINSPC_INV_DATA	Attribute data invalid
2	WLMINSPC_REC_NOT_FOUND	Requested resource not found
3	WLMINSPC_INV_REFERENCE	Attribute references an invalid resource
4	WLMINSPC_REC_EXISTS	Resource already exists

Table 469. WLMINSPC resource table attributes

Name	Datatype	Source	Len	Req	Sum	Description	Attr ID
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent	7
CHANGEAGENT Input/output valid values	DREPAPI						
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release	10
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification	1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID	9
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created	8
<b>GROUP-2</b>	CHAR	CPSM	8	Yes	DIFF	Workload management (WLM) group	6
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Workload management specification	5

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## WLMSPEC Resource Table

A CPSM Workload Manager Definition that describes the control directives for generating a workload. Using group associators a WLMSPEC object can determine which WLMDEF instances are to be installed into the workload. Using scope link associators (LNKSWSCS), a WLMSPEC object can determine which CICS systems are to be referenced as TORs. A CICS system acting as a TOR can have a scope link associator to only one WLMSPEC.

The **Primary** key field for this resource class is NAME.

**External resource name**  
CICSWLMSpecification

**Length**  
144

**Usage** API or Batch Utility or WUI or CICS Management Client Interface

**API view**

No

**CMAS context**

No

**SCOPE applies**

No

**Only query CMASs in workload**

No

**Object type**

CICSplex SM Definition

**Copybook identifier**

EYUt3513

*Table 470. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
CREATE		None	N/A
UPDATE		None	N/A
REMOVE		None	N/A
PERFORM	ADDSYSGRP	FORCE	Yes
SET		GROUP(value)	Yes
		NONE	Yes
		NULL	Yes
	ADDSYSDEF	SYSTEM(value)	Yes

*Table 471. WLMSPEC FEEDBACK error codes*

Value	Code	Description
1	WLMSPEC_INV_DATA	Attribute data invalid
2	WLMSPEC_REC_NOT_FOUND	Requested resource not found
3	WLMSPEC_INV_REFERENCE	Does not exist
4	WLMSPEC_REC_EXISTS	Resource already exists
5	WLMSPEC_REC_CHANGED	Resource definition already changed
21	WLMSPEC_ABEND_COMBINATION	Abend load must be less than abend probability
22	WLMSPEC_AORSCOPE_NOT_FOUND	AOR scope not found
23	WLMSPEC_LNKASSOC_EXISTS	Association already exists

*Table 472. WLMSPEC resource table attributes*

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
ABENDCRIT	BINARY	CPSM	1	Yes	AVG	Acceptable level of abend probability	0	2-99	14
ABENDCRIT Input/output valid values	0								
ABENDTHRESH	BINARY	CPSM	1	Yes	AVG	Acceptable abend load threshold	0	1-98	15
ABENDTHRESH Input/output valid values	0								



Table 472. WLMSPEC resource table attributes (continued)

Name	Datatype	Source	Len	Req	Sum	Description	Default	Value Range	Attr ID
AFFAUTO	EYUDA	CPSM	4	No	LIKE	Automatic affinity creation option	N_A		17
AFFAUTO Input/output valid values	YES, NO, N_A								
AFFINITY	EYUDA	CPSM	4	No	LIKE	Default affinity relationship			7
AFFINITY Input/output valid values	N_A, GLOBAL, LUNAME, USERID, BAPPL, LOCKED								
AFFLIFE	EYUDA	CPSM	4	No	LIKE	Default affinity lifetime			8
AFFLIFE Input/output valid values	N_A, LOGON, PCONV, DELIMIT, PERMANENT, SIGNON, SYSTEM, ACTIVITY, PROCESS, UOW								
ALGTYPE	EYUDA	CPSM	4	Yes	LIKE	Algorithm type			10
ALGTYPE Input/output valid values	GOAL, QUEUE, LNQUEUE, Lngoal								
AORSCOPE	CHAR	CPSM	8	Yes	DIFF	Default target scope			6
CHANGEAGENT	CVDAS	CPSM	4	No	LIKE	Last modification agent			19
CHANGEAGENT Input/output valid values	DREPAPI								
CHANGEAGREL	CHAR	CPSM	4	No	DIFF	Last modification agent release			22
CHANGETIME	DATETIME	CPSM	8	Yes	MAX	Last modification			1
CHANGEUSRID	CHAR	CPSM	8	No	DIFF	Last modification user ID			21
CREATETIME	DATETIME	CPSM	8	Yes	MAX	Time created			20
DESC	CHAR	CPSM	58	No	DIFF	Description			12
DESCCODEPAGE	BINARY	CPSM	4	No	DIFF	Description code page	37	0-99999999	18
EVENTNAME	CHAR	CPSM	8	No	DIFF	RTA event			13
MATCH	EYUDA	CPSM	4	Yes	LIKE	Primary search criterion			9
MATCH Input/output valid values	LUNAME, USERID								
<b>NAME-1</b>	CHAR	CPSM	8	Yes	DIFF	Name			5

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## WLPSESV Resource Table

This is reserved for future use. A CICS Resource that allows you to browse the LINK enabled services installed into a Liberty JVM server.

The **Primary** key field for this resource class is WLPSESV.

The **Secondary** key field for this resource class is JVMSESV.

**External resource name**  
CICSWLPService

**Length**  
1064

**Usage** API or CICS Management Client Interface or EVALDEF

**API view**  
Yes

**CMAS context**  
No

**SCOPE applies**  
Yes

**Only query CMASs in workload**  
No

**Object type**  
CICS Resource

**Copybook identifier**  
EYUt0218

Table 473. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A

Table 474. WLPSESV resource table attributes

Name	Datatype	Source	Len	Sum	Description	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	CICS System Name	
EYU_CICSREL	CHAR	CPSM	4	DIFF	CICS Release	
EYU_RESERVED	CHAR	CPSM	4	N/A	Reserved	
BUNDLE	CHAR	INQ	8	SUM	CICS BUNDLE name	4
BUNDLEPART	CHAR	INQ	255	DIFF	CICS BUNDLEPART name	5
<b>JVMSEVER-2</b>	CHAR	CPSM	8	AVG	JVM server	3
SRVCNAME	CHAR	INQ	255	DIFF	Name of the service reference	8
SRVCSTATUS	CVDAS	INQ	4	LIKE	Service status	2
SRVCSTATUS Input/output valid values	ACTIVE, INACTIVE					
WLPAPPL	CHAR	INQ	255	DIFF	Name of the Liberty application	6
WLPCLASS	CHAR	INQ	255	DIFF	Name of the Java implementation class	7
<b>WLPSERVICE-1</b>	BINARY	INQ	8	DIFF	Numeric service ID	1

## WORKREQ Resource Table

A CICS Resource that describes EJB work requests and the transactions associated with them.

The **Primary** key for this resource class is NAME.

The following actions are supported:

### PURGE

Purge a selected work request.

### FORCEPURGE

Forcepurge a selected work request.

### External resource name

CICSWorkRequest

**Length**

176

**Usage** API or WUI or CICS Management Client Interface or EVALDEF**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0136

*Table 475. Valid CPSM operations*

Operations	Actions	Parameters	Required
GET		None	N/A
SET		WORKTYPE(IIOP, SOAP)	No
PERFORM	PURGE	WORKTYPE(IIOP, SOAP)	No
SET	FORCEPURGE	WORKTYPE(IIOP, SOAP)	No

*Table 476. WORKREQ resource table attributes*

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved			
CLIENTIPADDR	CHAR	INQ	39	DIFF	No	Client IP address			2
CLNTIPFAMILY	CVDAS	INQ	4	LIKE	No	The format of the Client IP address		E640 E650	17
CLNTIPFAMILY Output valid values	IPV4, IPV6, NOTAPPLIC								
CORBASERVER	CHAR	INQ	4	DIFF	No	Associated CorbaServer			15
LISTENERPORT	BINARY	INQ	4	AVG	No	Host port that received the request			5
<b>NAME-1</b>	CHAR	INQ	8	DIFF	No	Work request			1
OAPPLID	CHAR	INQ	8	DIFF	No	Originating tasks application ID			7
OTASK	DECIMAL	INQ	4	AVG	No	Task that received the request			8
OTRANSID	CHAR	INQ	4	DIFF	No	Transaction ID that received the request			9
PURGETYPE	CVDAS	INQ	4	LIKE	Yes	Purge type		EALL	16
PURGETYPE Input/output valid values	PURGE, FORCEPURGE								
REQUESTID	BINARY	INQ	4	AVG	No	Current request ID			12
STACK	BINARY	INQ	4	AVG	No	Stack level of call			13
TASK	DECIMAL	INQ	4	AVG	No	Local task number			4
TRANSID	CHAR	INQ	4	DIFF	No	Local transaction ID			6

Table 476. WORKREQ resource table attributes (continued)

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
TSYSTEM	CHAR	INQ	50	DIFF	No	Address of target CICS system			10
TSYSTYPE	CV DAS	INQ	4	LIKE	No	Format of the Target system address		E640 E650	18
TSYSTYPE Output valid values	APPLID, IPV4, IPV6, NOTAPPLIC								
WORKTYPE	CV DAS	INQ	4	LIKE	No	Type of work being performed	IIOP		14
WORKTYPE Input/output valid values	IIOP, SOAP								

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific characteristics of a resource class.

## XMLTRANS Resource Table

A CICS resource that provides information about transformations between XML and application data.

The **Primary** key field for this resource class is NAME.

The following actions are supported:

**INQUIRE**

Inquire about an XMLTRANSFORM resource. The resource must be installed in the CICS region.

**External resource name**

CICSXmltransform

**Length**

688

**Usage** API or WUI or CICS Management Client Interface or EVALDEF

**API view**

Yes

**CMAS context**

No

**SCOPE applies**

Yes

**Only query CMASs in workload**

No

**Object type**

CICS Resource

**Copybook identifier**

EYUt0196

Table 477. Valid CPSM operations

Operations	Actions	Parameters	Required
GET		None	N/A
SET		None	N/A

Table 478. XMLTRANS resource table attributes

Name	Datatype	Source	Len	Sum	Set	Description	Default	Get Invalid	Attr ID
EYU_CICSNAME	CHAR	CPSM	8	DIFF	No	CICS System Name			
EYU_CICSREL	CHAR	CPSM	4	DIFF	No	CICS Release			
EYU_RESERVED	CHAR	CPSM	4	N/A	No	Reserved			
BASDEFINEVER	BINARY	CPSM	1	AVG	No	BAS resource definition version	0		16
BUNDLE	CHAR	INQ	8	DIFF	No	Bundle name			4
CCSID	BINARY	INQ	4	LIKE	No	Coded character set ID		E640 E650	3
CHANGEAGENT	CVDAS	INQ	4	LIKE	No	Last modification agent			6
CHANGEAGENT Input/output valid values	CSDAPI, CSDBATCH, DREPAPI, DYNAMIC, CREATESPI, NOTAPPLIC								
CHANGEAGREL	CHAR	INQ	4	DIFF	No	Last modification agent release			7
CHANGETIME	DATETIME	INQ	8	MAX	No	Last modification time			14
CHANGEUSRID	CHAR	INQ	8	DIFF	No	Last modification user ID			8
DEFINESOURCE	CHAR	INQ	8	DIFF	No	Source of the resource definition			9
DEFINETIME	DATETIME	INQ	8	MAX	No	Creation time			13
ENABLESTATUS	CVDAS	CPSM	4	LIKE	No	Enabled status			2
ENABLESTATUS Input/output valid values	ENABLED, DISABLED								
ENABLESTATUS Output valid values	ENABLING, DISABLING								
INSTALLAGENT	CVDAS	INQ	4	LIKE	No	Installation agent			10
INSTALLAGENT Input/output valid values	BUNDLE, DYNAMIC								
INSTALLTIME	DATETIME	INQ	8	MAX	No	Installation time			15
INSTALLUSRID	CHAR	INQ	8	DIFF	No	Installation user ID			11
MAPPINGLEVEL	CHAR	INQ	8	MAX	No	Mapping level			24
MAPPINGRNUM	BINARY	INQ	4	MAX	No	Mapping release number			23
MAPPINGVNUM	BINARY	INQ	4	MAX	No	Mapping version number			22
MINRUNLEVEL	CHAR	INQ	8	MAX	No	Minimum runtime level			25
MINRUNRNUM	BINARY	INQ	4	MAX	No	Minimum runtime release number			27
MINRUNVNUM	BINARY	INQ	4	MAX	No	Minimum runtime version number			26
<b>NAME-1</b>	CHAR	INQ	32	DIFF	No	Name			1
USECOUNT	BINARY	STAT	4	MAX	No	Use count			28
VALIDATIONST	CVDAS	INQ	4	LIKE	Yes	Validation status			18
VALIDATIONST Input/output valid values	VALIDATION, NOVALIDATION								
XMLSCHEMA	CHAR	INQ	255	MAX	No	XML schema			20
XSDBIND	CHAR	INQ	255	MAX	No	XSD binding			19

**Related information:**

“Resource table attribute definitions” on page 27

The second table presented for each resource table defines the attributes in the resource table. Attributes are discrete named elements that represent specific

characteristics of a resource class.

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## Appendix. Resource table summary

A summary of the resource tables that CICSplex SM provides by functional area.

### CICS definition tables

*Table 479.*

#### Summary of resource tables

ATOMDEF	FEPRODEF	PROFDEF
BUNDDEF	FETRGDEF	PROGDEF
CONNDEF	FILEDEF	PRTNDEF
CSDGROUP	FSEGDEF	RQMDEF
CSDINGRP	IPCONDEF	SESSDEF
CSDINLST	JRNLDEF	TCPDEF
CSDLIST	JRNMDEF	TDQDEF
DB2CDEF	JVMSVDEF	TERMDEF
DB2EDEF	LIBDEF	TRANDEF
DB2TDEF	LIBDSN	TRNCLDEF
DOCDEF	LSRDEF	TSMDEF
EJCODEF	MAPDEF	TYPTMDEF
EJDJDEF	MQCONDEF	URIMPDEF
ENQMDEF	PARTDEF	WEBSVDEF
FENODDEF	PIPEDEF	
FEPOODEF	PROCDEF	

### CICS monitored tables

*Table 480.*

#### Summary of resource tables

MCICSDSA	MJRNLNAM	MREMFIL
MCICSRGN	MLOCFILE	MREMTDQ
MCMDT	MLOCTAN	MREMTAN
MCONNECT	MLSRPBUF	MTDQGBL
MDB2THRD	MLSRPOOL	MTERMNL
MFEPICON	MMODNAME	MTRANCLS
MINDTDQ	MNTRATDQ	MTSQGBL
MJOURNAL	MPROGRAM	MXTRATDQ

### CICS operations resource tables

**Table 481.**  
**Summary of resource tables**

AIMODEL	EXTRATDQ	RECOVERY
ATOMSERV	FEPICONN	REMFIL
BRFACIL	FEPINODE	REMTDQ
BUNDLE	FEPPOOL	REMTAN
BUNDPART	FEPIPROP	REQID
CFDTPOOL	FEPITRGT	RPLLIST
CICSDSA	HOST	RQMODEL
CICSPAGP	HTASK	SMFJRN
CICSRGN	INDTDQ	STREAMNM
CICSSTOR	INTRATDQ	SYSUMP
CLCACHE	IPCONN	SYSARM
CMDT	IPFACIL	TAPEJRN
CONNECT	JRNLMODL	TASK
DBCTLSS	JRNLMODL	TASKSTG
DB2CONN	JVM	TASKFILE
DB2ENTRY	JVMPPOOL	TASKRMI
DB2PKGST	JVMPROP	TASKTSQ
DB2SS	JVMSERV	TASKASSC
DB2THRD	LIBRARY	TCPIPGBL
DB2TRAN	LOADACT	TCPIP
DB2TRN	LOADER	TDQGBL
DOCTEMP	LOCFILE	TERMNL
DOMSPOOL	LOCTRAN	TRANCLAS
DSKJRN	LSRPBUF	TRANDUMP
DSNAME	LSRPOOL	TSKSPOLS
DSPGBL	MASHIST	TSKSPOLL
DSPMODE	MASSTAT	TSMODEL
DSPPOOL	MODENAME	TSPOOL
EJCOBEAN	MONITOR	TSQGBL
EJCOSE	MQCON	TSQNAME
EJDJAR	MQCONN	TSQSHR
EJDJBEAN	MQINI	TSQUEUE
ENQMODEL	MVSESTG	UOW
ENQUEUE	MVSTCB	UOWDSNF
EPADAPT	MVSTCBGL	UOWENQ
EPADSET	MVSWLM	UOWLINK
EPAINSET	OSGIBUND	URIINGRP
EVCSDATA	OSGISERV	URIMPGBL
EVCSINFO	PARTNER	URIMAP
EVCSOPT	PIPELINE	VOLUME
EVCSPEC	PIPINGRP	WEBSERV
EVNTBIND	PROCTYP	WORKREQ
EVNTGBL	PROFILE	XMLTRANS
EXCI	PROGRAM	
EXITGLUE		
EXITTRUE		
EXTGLORD		

#### **CICSplex SM definition tables**



*Table 482.*

**Summary of resource tables**

ACTION	JRMINGRP	RESINDSC
APPLDEF	JRNINGRP	RESINGRP
APSPEC	LIBDEF	RQMINGRP
ATMINGRP	LIBINGRP	RTADEF
BUNINGRP	LNKSMSCG	RTAGROUP
CMDMPAPS	LNKSMSCS	RTAINAPS
CMDMSAPS	LNKSRSCG	RTAINGRP
CONINGRP	LNKSRSCS	RTAINSPC
CSSLGCGC	LNKSWSCG	RTASPEC
CSSLGCGS	LNKSWSCS	SESINGRP
CSYSDEF	LSRINGRP	STAINGRP
CSYSGRP	MAPINGRP	STATDEF
DOCDEF	MONDEF	SYSLINK
DOCINGRP	MONGROUP	TCLINGRP
DTRINGRP	MONINGRP	TCPINGRP
D2CINGRP	MONINSPC	TDQINGRP
D2EINGRP	MONSPEC	TERMDEF
D2TINGRP	MQCINGRP	TRANGRP
EJCINGRP	PARINGRP	TRMINGRP
EJCODEF	PERIODEF	TRNINGRP
EJDINGRP	PGMINGRP	TSMINGRP
ENQINGRP	PIPEDEF	TYPINGRP
EVALDEF	PLATDEF	URIMPDEF
FILINGRP	PRCINGRP	WEBINGRP
FNOINGRP	PRNINGRP	WEBSVDEF
FPOINGRP	PROGDEF	WLMDEF
FPRINGRP	PROINGRP	WLMGROUP
FSGINGRP	RASGNDEF	WLMINGRP
FTRINGRP	RASINDSC	WLMINSPC
IPCINGRP	RESDESC	WLMSPEC
JMSINGRP	RESGROUP	

**CICSplex SM configuration definition**

*Table 483.*

**Summary of resource tables**

CMTCMDEF	CPLXCMAS
CMTPMDEF	CPLXDEF

**CICSplex SM management**

*Table 484.*

**Summary of resource tables**

APACTV	CRESFEND	CRESURIM
APPLCTN	CRESFEPO	CRESWEBS
BATCHREP	CRESFETR	CRESXMLT
CICSPLEX	CRESFILE	EVENT
CMAS	CRESGLUE	EVENTDTL
CMASLIST	CRESIPCN	MAS
CMASPLEX	CRESJRNL	MGMTPART
CMTCMLNK	CRESJRNM	PLATFORM
CMTPMLNK	CRESJVM5	POLMON
CRESAIMD	CRESLIBR	RASPROC
CRESATOM	CRESMODE	RDSCPROC
CRESBUND	CRESPART	RTAACTV
CRESCONN	CRESPIPE	SYSRES
CRESDB2C	CRESPRGM	WLMATAFF
CRESDB2E	CRESPROF	WLMATARG
CRESDB2P	CRESPTY	WLMATGRP
CRESDB2T	CRESRQMD	WLMATRAN
CRESDOCT	CRESSDMP	WLMAWAOR
CRESDSNM	CRESTCPS	WLMAWDEF
CRESENQM	CRESTDMP	WLMAWORK
CRESEPAD	CRESTDQ	WLMAWTOR
CRESEPAS	CRESTERM	
CRESEVBD	CRESTRAN	
CRESEVCS	CRESTRUE	
CRESFECO	CRESTSMD	

**CICSplex SM metadata**

*Table 485.*

**Summary of resource tables**

ASYNCREQ	METADESC
ATTR	METANAME
ATTRAVA	METAPARM
BINCONRS	OBJECT
BINCONSC	OBJECT
BINSTERR	OBJSTAT
FEEDBACK	PARMAVA

**CICSplex SM notification**

*Table 486.*  
**Summary of resource tables**

EACTNTFN	ERMCCONN	ERMCOSGS
ECSYSCHG	ERMCDDB2C	ERMCPART
EDEFCHG	ERMCDDB2E	ERMCPPIPE
EL SIGNAL	ERMCDDB2P	ERMCPRGM
EMASJOIN	ERMCDDB2T	ERMCPROF
EMASSICK	ERMCDOCT	ERMCPRTY
EMASSTOP	ERMCDSDNM	ERMCRQMD
EMASSTRT	ERMCDENQM	ERMCSDMP
EMASWELL	ERMCEPAD	ERMCTCPS
EMCICS	ERMCEPAS	ERMCTDMP
EMCONN	ERMCEVBD	ERMCTDQ
EMDBX	ERMCEVCS	ERMCTERM
EMFILE	ERMCEVSD	ERMCTRAN
EMGLBL	ERMCEVSI	ERMCTRUE
EMJRNL	ERMCEVSO	ERMCTSMD
EMPROG	ERMCFECO	ERM CURIM
EMSTATUS	ERMCFEND	ERM CWBS
EMTDQS	ERMCFEPO	ERM CXMLT
EMTERM	ERMCFETR	ERM MCONN
EMTRAN	ERMCFEFILE	ERM MFILE
EPLEXCHG	ERMCGLUE	ERM MJRNL
ERESSTAT	ERMCI PCN	ERM MPRGM
ERMCAIMD	ERM CJRNL	ERM MTDQ
ERMCA TOM	ERM CJRNM	ERM MTERM
ERMCBUND	ERM CJVMS	ERM MTRAN
	ERMCLIBR	ESGRPCHG
	ERMCMODE	
	ERM COSGB	



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## Notices

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#### Access to CICS

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#### Administration

*CICS System Definition Guide*, SC34-7428  
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*CICS Front End Programming Interface User's Guide*, SC34-7412  
*CICS C++ OO Class Libraries*, SC34-7405  
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*CICS Business Transaction Services*, SC34-7403  
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*CICS Performance Guide*, SC34-7421  
*CICS Messages and Codes Vol 1*, GC34-7418  
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*CICS Diagnosis Reference*, GC34-7409  
*CICS Recovery and Restart Guide*, SC34-7424  
*CICS Data Areas*, GC34-7406  
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*CICS Intercommunication Guide*, SC34-7415  
*CICS External Interfaces Guide*, SC34-7411

## Databases

*CICS DB2 Guide, SC34-7407*

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*CICS Shared Data Tables Guide, SC34-7426*

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### General

*CICSplex SM Concepts and Planning, SC34-7441*

*CICSplex SM Web User Interface Guide, SC34-7451*

### Administration and Management

*CICSplex SM Administration, SC34-7438*

*CICSplex SM Operations Views Reference, SC34-7447*

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*CICSplex SM Application Programming Guide, SC34-7439*

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### Diagnosis

*CICSplex SM Resource Tables Reference Vol 1, SC34-7449*

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*CICSplex SM Messages and Codes, GC34-7445*

*CICSplex SM Problem Determination, GC34-7448*

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## Other CICS publications

The following publications contain further information about CICS, but are not provided as part of CICS Transaction Server for z/OS, Version 5 Release 3 .

*Designing and Programming CICS Applications, SR23-9692*

*CICS Application Migration Aid Guide, SC33-0768*

*CICS Family: API Structure, SC33-1007*

*CICS Family: Client/Server Programming, SC33-1435*

*CICS Family: Interproduct Communication, SC34-6853*

*CICS Family: Communicating from CICS on System/390, SC34-6854*

*CICS Transaction Gateway for z/OS Administration, SC34-5528*

*CICS Family: General Information, GC33-0155*

*CICS 4.1 Sample Applications Guide, SC33-1173*

*CICS/ESA 3.3 XRF Guide , SC33-0661*

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## Accessibility

Accessibility features help a user who has a physical disability, such as restricted mobility or limited vision, to use software products successfully.

You can perform most tasks required to set up, run, and maintain your CICS system in one of these ways:

- using a 3270 emulator logged on to CICS
- using a 3270 emulator logged on to TSO
- using a 3270 emulator as an MVS system console

IBM Personal Communications provides 3270 emulation with accessibility features for people with disabilities. You can use this product to provide the accessibility features you need in your CICS system.



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