z/OS

MVS Data Areas, Volume 5 (SSAG - XTLST)

GA22-7585-03

z/OS

MVS Data Areas, Volume 5 (SSAG - XTLST)

GA22-7585-03

Note

Before using this information and the product it supports, be sure to read the general information under “Notices” on page 573.

Fourth Edition, September 2002

This is a major revision of GA22-7585-02.

This edition applies to Version 1, Release 4 of z/OS (5694-001) and Version 1, Release 4 of z/OS.e (5655-G52), and to all subsequent releases and modifications until otherwise indicated in new editions.

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About this document

This document provides graphic presentations of many data areas used by the z/OS operating system and by application programs. This document provides the data areas that are one or more of the following:

- Programming interfaces
- Needed for debugging or diagnosis.

This document supports z/OS (5694-A01) and z/OS.e (5655-G52).

For the latest information updates that have been provided in PTF cover letters and Documentation APARS for z/OS and z/OS.e, see the online document at:

`http://www.s390.ibm.com:80/bookmgr-cgi/bookmgr.cmd/BOOKS/ZIDOCMST/CCONTENTS`

Who should use this document

This document is for system programmers who diagnose and debug operating system and programming problems. It provides information for debugging installation-provided programs or diagnosing IBM-provided programs. The user of this publication should have a working knowledge of the functions and logic of the operating system.

How to use this document

Data areas are sequenced alphanumerically by data area acronym. Each data area has up to four sections:

- Programming Interface Information
- Header
- Data area map
- Cross-reference, if the data area map is long enough

There are five volumes of *Data Areas*. The following list shows the range of data areas included in each volume:

z/OS MVS Data Areas, Vol 1 (ABEP-DALT)	GA22-7581
z/OS MVS Data Areas, Vol 2 (DCCB-ITZYRETC)	GA22-7582
z/OS MVS Data Areas, Vol 3 (IVT-RCWK)	GA22-7583
z/OS MVS Data Areas, Vol 4 (RD-SRRA)	GA22-7584
z/OS MVS Data Areas, Vol 5 (SSAG-XTLST)	GA22-7585

The header

The header includes some or all of the following:

Common Name: The descriptive name of the data area.

Macro ID: The name of the mapping macro for the data area. Mapping macros can be issued in programs to generate a copy of the data area.

DSECT Name: Name of the DSECT (dummy control section) created by the mapping macro.

Owning Component: Component name and component identifier in parentheses.

Eye-Catcher ID: Character string identifier of the eye-catcher (sometimes called the **control block id**) within the mapping macro. The offset and length of the eye-catcher are also included.

Storage Attributes: The storage attributes of the data area, including the following:

- **Main Storage:** Central storage attributes of the data area.
- **Virtual Storage:** Virtual storage attributes of the data area.
- **Auxiliary Storage:** Spool storage attributes of the data area.

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Subpool and Key: Subpool is the area of virtual storage that contains the data area. Key is the storage protect key for the storage represented by the data area.

Size: The size of the data area in decimal bytes.

Created by: Module, macro, or component whose use creates the data area.

Pointed to by: Registers or data area fields that contain the address of the data area.

Serialization: Method used to ensure that one user does not update a data area that is being updated or used by another user. The most common methods used for serialization are:

- Lock or locks
- ENQ and DEQ macros
- Compare and Swap (CS) instruction
- Disablement, which is disabling interruptions by setting bits in the program status word (PSW) of the program using the data area

Function: Brief description of the use of the data area.

Data area map

The data area is described field by field. These field descriptions are taken directly from the system code.

The following is an example of the field descriptions for the ANYAREA data area:

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	384	ANYAREA	
0	(0)	CHARACTER		ANYBEGIN	BEGINNING OF ANYAREA
0	(0)	CHARACTER	4	ANYACRO	ACRONYM IN EBCDIC 'ANY '
4	(4)	ADDRESS	4	ANYADDR	ADDRESS OF NEXT ANYAREA ON QUEUE

For each field in the data area, the data area map provides the following information:

Offsets
The address of the field, shown in both decimal (DEC) and hexadecimal (HEX in parentheses), relative to the beginning of the data area.

Type
The kind of program data defined for this field, as follows:

Type	Description
ADDRESS	Address constant
BITSTRING	Bitstring constant
CHARACTER	Character value
DBL WORD	Double word boundary
FIXED	Arithmetic signed or unsigned value
HEX	Hexadecimal value
SIGNED	Arithmetic signed value
STRUCTURE	Level 1 control block name
UNSIGNED	Unsigned value

Len
Size of the field in decimal bytes.

Name (Dim)
The name of the field, bit, or mask.

Bit or mask names are preceded by a description of bit position and value, as follows:

```
1... ....      Refers to bit 0.
.... ..11      Refers to bits 6 and 7.
...1 ....      Refers to bit 3.
11.. 1111      Refers to bits 0, 1, 4, 5, 6, and 7.
```

Description
A description of the purpose or meaning of the field, bit, or mask.

Cross reference

For each data area with more than 10 fields, the cross reference shows the following:

Name The name of the field, bit, or mask.

Hex Offset The hexadecimal offset of the field into the data area. For bits, the hexadecimal offset of the field containing the bit.

Hex Value Values are shown only for bits, equates, and initialized character strings. For bits, the hexadecimal value shown implies the position of the bit in the field containing the bit.

Bit ANYBIT in the following illustration shows how to use the hexadecimal value. In the Example, cross reference for the ANYBIT bit looks like this:

Name	Hex Offset	Hex Value
ANYBIT	F0	80

In the map of the data area, the ANYBIT bit appears like this:

```
240    (F0)  FIXED      4   ANYWORD     CONTROL WORD
240    (F0)  BITSTRING  1   ANYBYTE     FLAG BYTE

             1... ....      ANYBIT      "X'80'" BIT ON MEANS THIS . . .
```

X'F0' is the offset of field ANYWORD into the data area. ANYWORD is a 4-byte field, which contains a 1-byte field named ANYBYTE. Both ANYWORD and ANYBYTE have the same offset. The first bit in both fields is named ANYBIT. Ignoring the other bits in the field ANYBYTE, if the ANYBIT bit is on, the value of field ANYBYTE would be 1000 0000, which is equivalent to X'80'. This value (X'80') is shown both in the Description in the data area map and in the column of the cross reference.

Where to find more information

For complete titles and order numbers of the books for all products that are part of z/OS, see *z/OS Information Roadmap*.

Summary of changes

Summary of changes
for GA22-7585-03
z/OS Version 1 Release 4

The document contains information previously presented in *z/OS MVS Data Areas*, GA22-7585-02, which supports z/OS Version 1 Release 3.

This document contains terminology, maintenance and editorial changes.

Starting with z/OS V1R2, you may notice changes in the style and structure of some content in this document — for example, headings that use uppercase for the first letter of initial words only, and procedures that have a different look and format. The changes are ongoing improvements to the consistency and retrievability of information in our documents.

Summary of changes
for GA22-7585-02
z/OS Version 1 Release 3

The document contains information previously presented in GA22-7585-01, which supports z/OS Version 1 Release 2.

New information

Information is added to indicate this document supports z/OS.e.

This document contains terminology, maintenance and editorial changes.

Summary of changes
for GA22-7585-01
z/OS Version 1 Release 2

The document contains information previously presented in *z/OS MVS Data Areas*, GA22-7585-00, which supports z/OS Version 1 Release 1.

Summary of changes
for GA22-7585-00
z/OS Version 1 Release 1

The document contains information also presented in *OS/390 MVS Data Areas*.

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Data Areas Volume 5 (SSAG - XTLST)

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SSAG Heading Information

Common Name: SSOB Extension for Allocation Grouping of SUBSYS
Macro ID: IEFSSAG
DSECT Name: SSAG
Owning Component: Allocation/unallocation (SC1B4)
Subpool and Key: User subpool and key
Size: 20 bytes for SSOB plus 24 bytes for SSAG
Created by: IEFAB427
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list fo the subsystem interface.

SSAG Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	28	SSAG	BEGINNING OF EXTENSION
0	(0)	CHARACTER	28	SSAGEHDR	EXTENSION HEADER
0	(0)	SIGNED	2	SSAGLEN	LENGTH OF EXTENSION
2	(2)	BITSTRING	2	SSAGFLGS	GROUP LEVEL FLAGS
		1...		SSAGWAIT	OK TO WAIT FLAG
		.1..		SSAGSMSG	SUBSYSTEM TO RETURN ERROR MESSAGES FLAG
2	(2)	BITSTRING	1	*	RESERVED FLAGS
4	(4)	SIGNED	2	SSAGGPEC	GROUP LEVEL ERROR CODE
6	(6)	SIGNED	2	SSAGGPIC	GROUP LEVEL INFO CODE - DEFINED BY THE SUBSYSTEM
8	(8)	ADDRESS	4	SSAGARBP	PTR TO FIRST RB
12	(C)	ADDRESS	4	SSAGCNCL	POINTER TO CANCEL ECB
16	(10)	ADDRESS	4	SSAGJBNM	POINTER TO JOB NAME
20	(14)	SIGNED	4	SSAGGMLN	MAXIMUM LENGTH OF SUBSYSTEM GROUP LEVEL MESSAGE
24	(18)	ADDRESS	4	SSAGGMGP	POINTER TO GROUP LEVEL MESSAGE BLOCK

SSAG Constants

Len	Type	Value	Name	Description
2	DECIMAL	39	SSOBAGRP	GROUP SUBSYS REQUESTS

Comment

ALLOCATION GROUP REQUEST RETURN CODES (SSOBRETN)

End of Comment

2	DECIMAL	0	SSAGRTOK	SUCCESSFUL - ALL REQUESTS WERE ALLOCATED
2	DECIMAL	4	SSAGDDER	NO ALLOCATION- ONE OR MORE REQUEST IN ERROR
2	DECIMAL	8	SSAGGPER	NO ALLOCATION - GROUP LEVEL ERROR

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SSAG Cross Reference

Len	Type	Value	Name	Description
			Comment	
			THE FOLLOWING RETURN CODES WILL BE RETURNED BY THE SUBSYSTEM IN FIELDS SSAGGPEC AND SSAGRBEC. - FIELD SSAGGPEC (AND OPTIONALLY SSAGRBEC) IS TO BE SET WHEN SSAGGPER IS RETURNED IN SSOBRETN. - FIELD SSAGRBEC CORRESPONDING TO THE REQUEST(S) IN ERROR IS TO BE SET WHEN SSAGDDER IS RETURNED IN SSOBRETN. THE ASSOCIATED FIELDS SSAGGPIC AND SSAGRBIC ARE TO BE SET TO SUBSYSTEM DEFINED VALUES THAT WILL BE RETURNED AS DYNAMIC ALLOCATION INFORMATIONAL REASON CODES. ERROR MESSAGE PROCESSING -WHEN SSAGSMSG IS SET BY THE CALLER, FIELDS SSAGGMGP AND SSAGDMGP WILL EACH CONTAIN A POINTER TO AN AREA IN WHICH THE SUBSYSTEM IS TO RETURN SUBSYSTEM DEFINED ERROR MESSAGES CORRESPONDING TO THE VALUES SET IN FIELDS SSAGGPIC AND SSAGRBIC. -EACH MESSAGE AREA CONSISTS OF A 2 BYTE LENGTH FOLLOWED BY A MESSAGE TEXT AREA OF LENGTH DEFINED IN SSAGGMLN AND SSAGDMLN. THE MESSAGE AREA IS NOT INITIALIZED BY THE CALLER AND THE SUBSYSTEM MUST SET THE LENGTH OF THE MESSAGE TEXT RETURNED. BLANKS WILL BE COMPRESSED BY THE CALLER. -MESSAGES ARE TO BE RETURNED ONLY FOR REQUESTS THAT ARE IN ERROR. NOTE: FIELDS SSAGRBEC, SSAGRBIC, SSAGDMGP, AND SSAGDMLN ARE DEFINED IN THE GROUP ALLOCATION REQUEST BLOCK, 'SSAGARBK' - MAPPED BY MACRO IEFSSARB.	
			End of Comment	
2	DECIMAL	0	SSAGRQOK	REQUEST ALLOCATED
2	DECIMAL	4	SSAGORUN	OPERATING SYSTEM RESOURCE NOT AVAILABLE
2	DECIMAL	8	SSAGSRUN	SUBSYSTEM RESOURCE NOT AVAILABLE
2	DECIMAL	12	SSAGIPRM	INVALID PARAMETER
2	DECIMAL	16	SSAGIREQ	INVALID REQUEST
2	DECIMAL	20	SSAGCREQ	CANCEL REQUESTED
2	DECIMAL	24	SSAGSSER	SUBSYSTEM LOGIC ERR

SSAG Cross Reference

Name	Hex Offset	Hex Value
SSAG	0	
SSAGARBP	8	
SSAGCNCL	C	
SSAGEHDR	0	
SSAGFLGS	2	
SSAGGMGP	18	
SSAGGMLN	14	
SSAGGPEC	4	
SSAGGPIC	6	
SSAGJBNM	10	
SSAGLEN	0	
SSAGSMSG	2	40
SSAGWAIT	2	80

SSAL Programming Interface information

Programming Interface information

SSAL

End of Programming Interface information

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SSAL Heading Information

Common Name: Allocation/Unallocation of SYSOUT function
Macro ID: IEFSSAL
DSECT Name: SSAL (OPTIONAL)
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: None
Storage Attributes: Subpool: Subpool 230
Key: Scheduler key
Residency: Any
Size: LENGTH(SSAL)
Created by: IEFAB4SF
Pointed to by: SSOBINDV field of the SSOB control block (SSOBSOBH)
Serialization: None
Function: Used by allocation modules to interface with subsystems to allocate/unallocate SYSOUT data sets or functions.

SSAL Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'6'	0	SSOBALOC	"6" ALLOCATION FUNCTION ID (SSOBFUNC)
0	(0)	X'7'	0	SSOBUNAL	"7" UNALLOCATION FUNCTION ID (SSOBFUNC)

Comment

ALLOCATION/UNALLOCATION RETURN CODES (SSOBRETN)

End of Comment

0	(0)	X'0'	0	SSALRTOK	"0" ALLOCATION/UNALLOCATION SUCCESSFUL
0	(0)	X'4'	0	SSALWTFL	"4" ALLOCATION WAIT FAILED YM04976
0	(0)	X'8'	0	SSALCREQ	"8" CANCEL REQUESTED
0	(0)	X'C'	0	SSALIDST	"12" INVALID DESTINATION
0	(0)	X'10'	0	SSALNAUT	"16" USER UNAUTHORIZED TO ALLOCATE THIS DATA SET
0	(0)	X'14'	0	SSALUNAL	"20" UNABLE TO ALLOCATE YM04976
0	(0)	X'18'	0	SSALRESV	"24" SYSIN/SYSOUT TEMPORARY DATA SET NAME IS A RESERVED NAME
0	(0)	X'1C'	0	SSALNCTK	"28" Requested Allocation Sysout Client Token (CTOKEN) not returned by JES
0	(0)	X'0'	0	SSALBGN	"*"
0	(0)	ADDRESS	2	SSALLEN	ALLOC/UNALLOC EXTENSION LENGTH
2	(2)	BITSTRING	1	SSALFLG1	ALLOCATION/UNALLOCATION FLAGS
		1...		SSALDELT	"X'80'" DELETE AT UNALLOCATION
		.1..		SSALHOLD	"X'40'" HOLD AT UNALLOCATION
		..1.		SSALNHLD	"X'20'" NOHOLD OPTION SPECIFIED
		...1		SSALWAIT	"X'10'" WAIT FOR ALLOCATION
		.... 1...		SSALTRKM	"X'08'" ASSIGN A SEPARATE TRACK GROUP MAP
		.... .1..		SSALSPIN	"X'04'" SPIN OFF DATA SET
		.... ..1.		SSALASNM	"X'02'" DATA SET REQUIRES A DATA SET NAME
		1		SSALKEEP	"X'01'" SUBSYSTEM SHOULD KEEP THE DS
3	(3)	BITSTRING	1	SSALFLG2	FLAG BYTE
		1...		SSALWTRN	"X'80'" PASSED PGM NAME IS A WRITER NAME
		.1..		SSALJBAB	"X'40'" JOB ABENDED
		..1.		SSALJFAL	"X'20'" JOB ENDED DUE TO ALLOCATION ERR
		...1		SSALJECC	"X'10'" JOB ENDED DUE TO JOB COND CODES
		.... 1...		SSALBROW	"X'08'" Browse token supplied
		.... .1..		SSALAUTH	"X'04'" Caller is authorized
		.... ..1.		SSALOVAF	"X'02'" Override system affinity for job submitted via dynamically-allocated internal reader

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
-rsvd- EQU X'01' Reserved - available FOLLOWING FIELDS CONTAIN POINTERS TO THE INDICATED DATA - (NUMBERS IN PARENTHESES INDICATE LENGTH OF AREA POINTED TO) OR ELSE THE ACTUAL DATA ITSELF.					
				End of Comment	
4	(4)	ADDRESS	4	SSALDDNM	DDNAME (8)
8	(8)	ADDRESS	4	SSALDEST	REMOTE DESTINATION ID OR BLANK (8)
12	(C)	ADDRESS	4	SSALDISP	DATA SET DISPOSITION (1)
16	(10)	ADDRESS	4	SSALDUMY	DUMMY/SYSIN FLAGS (1)
20	(14)	ADDRESS	4	SSALSOUT	SYSOUT FLAGS (1)
24	(18)	ADDRESS	4	SSALUNIT	UNIT TYPE (8)
28	(1C)	ADDRESS	4	SSALPGMN	USER WRITER PROGRAM NAME (8)
32	(20)	ADDRESS	4	SSALFORM	FORMS NUMBER (4)
36	(24)	ADDRESS	4	SSALCLAS	CLASS (1)
40	(28)	ADDRESS	4	SSALADSP	ALTERNATE DISPOSITION FLAGS (1)
44	(2C)	ADDRESS	4	SSALCOPY	NUMBER OF COPIES TO BE PRINTED (1)
48	(30)	ADDRESS	4	SSALSSNM	SUBSYSTEM NAME (4)
52	(34)	ADDRESS	4	SSALJFCB	JFCB (176)
56	(38)	ADDRESS	4	SSALSSCM	SUBSYSTEM INFORMATION (LENGTH IS DEPENDENT ON SUBSYSTEM)
60	(3C)	ADDRESS	4	SSALCNCL	CANCEL ECB (ALLOCATION) (4)
64	(40)	ADDRESS	4	SSALSDEF	COPIES/SYSOUT DEFAULT FLAGS (1)
68	(44)	ADDRESS	4	SSALTKNP	SJF TOKEN (8)
72	(48)	ADDRESS	4	SSALJFCE	VIRTUAL ADDRESS OF JFCBE (176)
76	(4C)	ADDRESS	4	SSALTDSN	SYSIN/SYSOUT TEMPORARY DATA SET NAME (8)
80	(50)	ADDRESS	4	SSALBTKN	Pointer to the first length field of a browse token
84	(54)	ADDRESS	4	SSALRDRN	Pointer to the program name
88	(58)	SIGNED	4	SSALCCNO	Data set concatenation number
				Comment	
Additional FLAG fields					
				End of Comment	
92	(5C)	BITSTRING	1	SSALFLG3	FLAG BYTE #3
		1...		SSALRCTK	"X'80'" Ask JES to return the Allocation Sysout Client Token associated with a SYSOUT allocation request
				Comment	
-rsvd- EQU X'40' Reserved - available -rsvd- EQU X'20' Reserved - available -rsvd- EQU X'10' Reserved - available -rsvd- EQU X'08' Reserved - available -rsvd- EQU X'04' Reserved - available -rsvd- EQU X'02' Reserved - available -rsvd- EQU X'01' Reserved - available					
				End of Comment	
93	(5D)	BITSTRING	1	(3)	Reserved 3 bytes - available
				Comment	
Following fields contain additional pointers to the indicated area - (Numbers in parentheses indicate length of area pointed to) or else the actual data itself.					
				End of Comment	
96	(60)	ADDRESS	4	SSALCTOK	Ptr to CTOKEN area (80)

SSAL Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
100	(64)	SIGNED	4	(4)	Reserved 4 words - available
100	(64)	X'74'	0	SSALSIZE	"*-SSALBGN" ALLOC/UNALLOC EXTENSION LENGTH
100	(64)	X'74'	0	SSOBLEN4	"SSOBHSIZ+SSALSIZE" TOTAL SSOB LENGTH

SSAL Cross Reference

Name	Hex Offset	Hex Value
SSALADSP	28	
SSALASNM	2	2
SSALAUTH	3	4
SSALBGN	0	0
SSALBROW	3	8
SSALBTKN	50	
SSALCCNO	58	
SSALCLAS	24	
SSALCNCL	3C	
SSALCOPY	2C	
SSALCREQ	0	8
SSALCTOK	60	
SSALDDNM	4	
SSALDELT	2	80
SSALDEST	8	
SSALDISP	C	
SSALDUMY	10	
SSALFLG1	2	
SSALFLG2	3	
SSALFLG3	5C	
SSALFORM	20	
SSALHOLD	2	40
SSALIDST	0	C
SSALJBAB	3	40
SSALJECC	3	10
SSALJFAL	3	20
SSALJFCB	34	
SSALJFCE	48	
SSALKEEP	2	1
SSALLEN	0	
SSALNAUT	0	10
SSALNCTK	0	1C
SSALNHLD	2	20
SSALOVAF	3	2
SSALPGMN	1C	
SSALRCTK	5C	80
SSALRDRN	54	
SSALRESV	0	18
SSALRTOK	0	0
SSALSDEF	40	
SSALSIZE	64	74
SSALSOUT	14	
SSALSPIN	2	4
SSALSSCM	38	
SSALSSNM	30	
SSALTDSN	4C	
SSALTKNP	44	
SSALTRKM	2	8
SSALUNAL	0	14
SSALUNIT	18	
SSALWAIT	2	10
SSALWTFL	0	4
SSALWTRN	3	80
SSOBALOC	0	6
SSOBLEN4	64	74
SSOBUNAL	0	7

SSARB Heading Information

Common Name: Subsystem Allocation Request Block
Macro ID: IEFSSARB
DSECT Name: SSABARBK
Owning Component: Allocation/unallocation (SC1B4)
Subpool and Key: Subpool 230 and key 1
Size: 20 bytes for SSOB plus 60 bytes for SSARB
Created by: IEFAB427
Pointed to by: SSAGNRBP field of the SSARB data area
SSOBINDV field of the SSOB data area
Serialization: None
Function: Contains the information needed by a subsystem to allocate a SUBSYS DD request or its equivalent dynamic allocation request.

SSARB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	60	SSAGARBK	SSAG REQUEST BLOCK MAPPING
0	(0)	SIGNED	2	SSAGRBLN	REQUEST BLOCK LENGTH
2	(2)	BITSTRING	2	SSAGRBFL	RESERVED FLAGS
4	(4)	SIGNED	2	SSAGRBEC	DD RELATED ERROR CODE
6	(6)	SIGNED	2	SSAGRBIC	DD RELATED INFO CODE-DEFINED BY SUBSYSTEM
8	(8)	SIGNED	2	SSAGDMLN	MAX LENGTH OF DD LEVEL MSG
10	(A)	SIGNED	2	*	RESERVED
12	(C)	ADDRESS	4	SSAGNRBP	POINTER TO NEXT RB OR 0
16	(10)	ADDRESS	4	SSAGDDNM	POINTER TO DDNAME
20	(14)	ADDRESS	4	SSAGDISP	POINTER TO DATA SET DISP
24	(18)	ADDRESS	4	SSAGDUMY	POINTER TO DUMMY/SYSIN FLAGS
28	(1C)	ADDRESS	4	SSAGSOUT	POINTER TO SYSOUT FLAGS
32	(20)	ADDRESS	4	SSAGUNIT	POINTER TO UNIT TYPE
36	(24)	ADDRESS	4	SSAGADSP	POINTER TO ALTERNATE DISP
40	(28)	ADDRESS	4	SSAGSSNM	POINTER TO SUBSYSTEM NAME
44	(2C)	ADDRESS	4	SSAGJFCB	POINTER TO JFCB
48	(30)	ADDRESS	4	SSAGSSWA	POINTER TO SSWA
52	(34)	ADDRESS	4	SSAGSSCM	POINTER TO INFO
56	(38)	ADDRESS	4	SSAGDMGP	POINTER TO DD LEVEL MESSAGE BLOCK

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SSAGDMBK	DD LEVEL MESSAGE BLOCK
0	(0)	SIGNED	2	SSAGDMGL	LENGTH OF MESSAGE RETURNED BY SUBSYSTEM
2	(2)	CHARACTER	*	SSAGDMSG	DD LEVEL MESSAGE TEXT

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SSAGGMBK	GROUP LEVEL MESSAGE BLK
0	(0)	SIGNED	2	SSAGGMGL	LENGTH OF MESSAGE RETURNED BY SUBSYSTEM
2	(2)	CHARACTER	*	SSAGGMSG	GROUP LEVEL MESSAGE TEXT

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SSARB Cross Reference

Name	Hex Offset	Hex Value
SSAGADSP	24	
SSAGARBK	0	
SSAGDDNM	10	
SSAGDISP	14	
SSAGDMBK	0	
SSAGDMGL	0	
SSAGDMGP	38	
SSAGDMLN	8	
SSAGDMSG	2	
SSAGDUMY	18	
SSAGGMBK	0	
SSAGGMGL	0	
SSAGGMSG	2	
SSAGJFCB	2C	
SSAGNRBP	C	
SSAGRBEC	4	
SSAGRBFL	2	
SSAGRBIC	6	
SSAGRBLN	0	
SSAGSOUT	1C	
SSAGSSCM	34	
SSAGSSNM	28	
SSAGSSWA	30	
SSAGUNIT	20	

SSAT Heading Information

Common Name: SUBSYSTEM AFFINITY TABLE MAPPING MACRO
Macro ID: IHASSAT
DSECT Name: N/A
Owning Component: N/A
Eye-Catcher ID: N/A
Offset: N/A
Length: N/A
Storage Attributes: Main Storage: N/A
Virtual Storage: N/A
Auxiliary Storage: N/A
Subpool: N/A
Key: N/A
Data Space: N/A
Residency: N/A
Size: N/A
Created by: IEAVESSI - SERVICE ROUTINE FOR SUBSYSTEM AFFINITY
IEAVBK - CREATES NULL SSAT
Pointed to by: N/A
Serialization: N/A
Function: N/A

SSAT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	80	SSAT	
0	(0)	CHARACTER	16	SSATHDR	SSAT HEADER BEGIN
0	(0)	CHARACTER	4	SSATSSAT	SSAT ACRONYM
4	(4)	ADDRESS	4	SSATLNK	PTR TO NEXT SSAT ON CHAIN
8	(8)	SIGNED	4	SSATCT	NUMBER OF VALID SUBSYSTEM INDICES THIS TABLE
12	(C)	SIGNED	4	SSATHIDX	HIGHEST INDEX FOR ALL TABLES
16	(10)	CHARACTER	4	SSATENTS (16)	SUBSYSTEM ENTRY START
80	(50)	CHARACTER	0	SSATEND	SUBSYSTEM ENTRY

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SSCA Heading Information

Common Name: SSOB Extension for Common Allocation/JES3 Exit
Macro ID: IEFSSCA
DSECT Name: SSCA
Owning Component: Allocation/unallocation (SC1B4)
Subpool and Key: User subpool and key
Size: 20 bytes for SSOB plus 32 bytes for SSCA
Created by: IEFAB422, IEFAB490
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSCA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	32	SSCA	BEGINNING COMMON ALLOCATION SSOB EXTENSION
0	(0)	SIGNED	2	SSCALEN	LENGTH OF SSCA
2	(2)	SIGNED	2	SSCARSV0	RESERVED
4	(4)	ADDRESS	4	SSCAPSTN	PTR TO STEP NUMBER
8	(8)	ADDRESS	4	SSCAPDDN	PTR TO DDNAME
12	(C)	ADDRESS	4	SSCAPDSN	PTR TO DSNAME
16	(10)	ADDRESS	4	SSCAPRPN	PTR TO RELATIVE POSITION NUMBER
20	(14)	ADDRESS	4	SSCAPNUN	PTR TO NUMBER OF UNITS REQUIRED
24	(18)	ADDRESS	4	SSCAPUAR	PTR TO UCB ADDRESS RETURN AREA
28	(1C)	ADDRESS	4	SSCAPFLG	PTR TO FLAG FIELD

SSCA Constants

Len	Type	Value	Name	Description
2	DECIMAL	24	SSOBCACD	COMMON ALLOCATION

Comment

COMMON ALLOCATION RETURN CODES (SSOBRETN) -

End of Comment

4	DECIMAL	0	SSCAALCA	ALLOC SELECT RETURN CODE
4	DECIMAL	4	SSCAJESA	JES3 SELECT DEV RETURN CODE

SSCA Cross Reference

Name	Hex Offset	Hex Value
SSCA	0	
SSCALEN	0	
SSCAPDDN	8	
SSCAPDSN	C	
SSCAPFLG	1C	
SSCAPNUN	14	
SSCAPRPN	10	
SSCAPSTN	4	
SSCAPUAR	18	
SSCARSV0	2	

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SSCF Programming Interface information

Programming Interface information

SSCF

End of Programming Interface information

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SSCF Heading Information

Common Name: FAILING SVC 34 COMMANDS
Macro ID: IEFSSCF
DSECT Name: SSCF
Owning Component: INITIATOR/TERMINATOR (SC1B6)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: USER
Key: USER
Size: 20 BYTES FOR SSOB1 PLUS 16 BYTES FOR SSCF
Created by: SSI CALL USER
Pointed to by: SSOBINDV
Serialization: NONE
Function: COMMAND FAIL FUNCTION

SSCF Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	X'20'	0	SSOBCFCD	"32" COMMAND FAIL FUNCTION (SSOBFUNC)

Comment

COMMAND FAIL RETURN CODES (SSOBRETN)

End of Comment

0	(0)	X'0'	0	SSOBCFOK	"0" ISSUE SVC34 COMMAND ABORTED MESSAGE
0	(0)	X'4'	0	SSOBCFNO	"4" SUPPRESS ISSUING SVC34 COMMAND ABORTED MESSAGE
0	(0)	X'0'	0	SSCFBGN	"*" SSFC BEGINNING
0	(0)	ADDRESS	2	SSCFLEN	SSFC EXTENSION LENGTH
2	(2)	SIGNED	2	SSCFRSV0	RESERVED
4	(4)	ADDRESS	4	SSCFBFAD	ADDRESS OF COMMAND BUFFER
8	(8)	SIGNED	4	SSCFMRRC	RETURN CODE FROM MEMORY REQUEST, OR CSCB CREATION FAILURE CODE

Comment

MEMORY REQUEST RETURN CODES AND FAILURE CODES

End of Comment

8	(8)	X'0'	0	SSCFMROK	"0" MEMORY REQUEST SUCCESSFUL
8	(8)	X'4'	0	SSCFSRMN	"4" SRM PROHIBITS ADDRESS SPACE CREATION
8	(8)	X'8'	0	SSCFNORS	"8" RESOURCES NOT AVAILABLE (INSUFFICIENT SQA OR NO ASID AVAILABLE)
8	(8)	X'C'	0	SSCFABND	"12" UNEXPECTED ABEND IN MEMORY REQUEST
8	(8)	X'20'	0	SSCFCSFL	"32" CSCB CREATION FAILURE CODE
8	(8)	X'24'	0	SSCFCXFL	"36" CSXB CREATION FAILURE CODE
8	(8)	X'2C'	0	SSCFSECF	"44" SECURITY ENVIRONMENT COULD NOT BE ESTABLISHED
12	(C)	SIGNED	4	SSCFRSV1	RESERVED
12	(C)	X'10'	0	SSCFSIZE	"*-SSCFBGN" EXTENSION LENGTH
12	(C)	X'10'	0	SSOBLN16	"SSOBHSIZ+SSCFSIZE" TOTAL SSOB LENGTH

SSCF Cross Reference

Name	Hex Offset	Hex Value
SSCFABND	8	C
SSCFBFAD	4	
SSCFBGN	0	0
SSCFCSFL	8	20
SSCFCXFL	8	24
SSCFLEN	0	
SSCFMROK	8	0
SSCFMRRC	8	
SSCFNORS	8	8
SSCFRSV0	2	
SSCFRSV1	C	
SSCFSECF	8	2C
SSCFSIZE	C	10
SSCFSRMN	8	4
SSOBCFCD	0	20
SSOBCFNO	0	4
SSOBCFOK	0	0
SSOBLN16	C	10

SSCI Programming Interface Information

Programming Interface Information

SSCI

End of Programming Interface Information

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SSCI Heading Information

Common Name: SSOB Extension for SUBSYS Keyword Converter Exit
Macro ID: IEFSSCI
DSECT Name: SSCI
Owning Component: Converter/interpreter (SC1B9)
Subpool and Key: User subpool and key
Size: 20 bytes for SSOB plus 24 bytes for SSCI
Created by: IEFVFA
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSCI Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	X'26'	0	SSOBCONV	"38" CONVERTER SUBSYS EXIT (SSOBFUNC)

Comment

CONVERTER EXIT RETURN CODES (SSOBRETN)

End of Comment

0	(0)	X'0'	0	SSCIRTOK	"0" SUCCESSFUL SYNTAX CHECK
0	(0)	X'4'	0	SSCICMOD	"4" SUCCESSFUL-INTERNAL TEXT MODIFIED
0	(0)	X'8'	0	SSCISYNC	"8" SYNTATICAL ERROR - CONTINUE JOB
0	(0)	X'C'	0	SSCISYNT	"12" SYNTATICAL ERROR - TERMINATE JOB
0	(0)	X'24'	0	SSCIPERR	"36" PROGRAM ERROR IN ROUTINE
0	(0)	X'0'	0	SSCIBGN	"*" CONVERTER EXTENSION BEGINNING
0	(0)	ADDRESS	2	SSCILEN	CONVERTER EXTENSION SIZE
2	(2)	BITSTRING	1	SSCIFLG1	FLAGS RESERVED
3	(3)	BITSTRING	1	SSCIFLG2	FLAGS RESERVED
4	(4)	ADDRESS	4	SSCIINTP	ADDRESS INTERNAL TEXT OF JCL STMT
8	(8)	ADDRESS	4	SSCISUBS	ADDRESS OF FIRST SUBSYS LEN/PARM
12	(C)	SIGNED	2	SSCIMLEN	MAX LENGTH OF MESSAGE
14	(E)	SIGNED	2	SSCINPRM	NUMBER OF LENGTH/PARM PAIRS IN SUBSYSTEM DATA
16	(10)	ADDRESS	4	SSCIMPTR	POINTER TO MESSAGE AREA
20	(14)	CHARACTER	4	SSCISSNM	SUBSYSTEM NAME
20	(14)	X'18'	0	SSCISIZE	"*-SSCIBGN" EXTENSION LENGTH

Comment

ERROR MESSAGE PROCESSING
- FIELD SSCIMPTR POINTS TO A MESSAGE AREA CREATED BY THE CALLER IN WHICH THE SUBSYSTEM IS TO RETURN ERROR MESSAGES.
- EACH MESSAGE AREA CONSISTS OF A 2 BYTE LENGTH FOLLOWED BY A MESSAGE TEXT AREA OF LENGTH DEFINED IN SSCIMLEN.
- A MESSAGE IS TO BE RETURNED WHEN A NON-ZERO SSOBRETN IS RETURNED BY THE SUBSYSTEM.

End of Comment

20	(14)	X'18'	0	SSOBLN19	"SSOBHSIZ+SSCISIZE" TOTOAL SSOB LENGTH

SSCI Cross Reference

Name	Hex Offset	Hex Value
SSCIBGN	0	0
SSCICMOD	0	4
SSCIFLG1	2	
SSCIFLG2	3	
SSCIINTP	4	
SSCILEN	0	
SSCIMLEN	C	
SSCIMPTR	10	
SSCINPRM	E	
SSCIPERR	0	24
SSCIRTOK	0	0
SSCISIZE	14	18
SSCISSNM	14	
SSCISUBS	8	
SSCISYNC	0	8
SSCISYNT	0	C
SSOBCONV	0	26
SSOBLN19	14	18

SSCM Programming Interface information

Programming Interface information

SSCM

End of Programming Interface information

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SSCM Heading Information

Common Name: SSOB EXTENSION FOR COMMAND PROCESSING EXIT
Macro ID: IEFSSCM
DSECT Name: SSCM
Owning Component: INITIATOR/TERMINATOR (SC1B6)
Eye-Catcher ID: SSCM
Offset: 12
Length: 4
Storage Attributes: Subpool: USER SUBPOOL AND KEY
Key: USER SUBPOOL AND KEY
Size: 20 BYTES FOR SSOB PLUS 88 BYTES FOR SSCM
Created by: IEE0403D
Pointed to by: SSOBINDV FIELD OF THE SSOB DATA AREA
Serialization: NONE
Function: PARAMETER LIST FOR THE SUBSYSTEM COMMAND EXIT.

SSCM Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'A'	0	SSOBCMND	"10" CMD PROCESSING FUNCTION ID (SSOBFUNC)

Comment

COMMAND PROCESSING RETURN CODES (SSOBRETN)

End of Comment

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'0'	0	SSCMSCMD	"0" SVC 34 SHOULD PROCESS THIS COMMAND
0	(0)	X'4'	0	SSCMSUBC	"4" FUNCTION 10: SUBSYSTEM HAS PROCESSED THE COMMAND
0	(0)	X'8'	0	SSCMIMSG	"8" FUNCTION 10: SUBSYSTEM COULD NOT EXECUTE THE COMMAND - SVC 34 ISSUES MESSAGE
0	(0)	X'0'	0	SSCMBGN	"*"
0	(0)	ADDRESS	2	SSCMLEN	COMMAND EXTENSION LENGTH
2	(2)	BITSTRING	1	SSCMRESV	RESERVED
3	(3)	ADDRESS	1	SSCMVRSN	VERSION LEVEL
3	(3)	X'1'	0	SSCM211	"1" VERSION LEVEL FOR OS/VS2 JBB2110
3	(3)	X'2'	0	SSCM220	"2" VERSION LEVEL FOR OS/VS2 JBB2220
3	(3)	X'3'	0	SSCM410	"3" VERSION LEVEL FOR HBB4410
3	(3)	X'4'	0	SSCM520	"4" VERSION LEVEL FOR HBB5520
3	(3)	X'4'	0	SSCMVRID	"SSCM520" VERSION LEVEL VALUE
4	(4)	ADDRESS	4	SSCMBUFF	COMMAND BUFFER ADDRESS
8	(8)	SIGNED	4	SSCMSCID	COMMAND SOURCE - CONSOLE ID OR 0 - ASID OF TIME-SHARING USER - CMD AUTHORITY OF INPUT STREAM
12	(C)	CHARACTER	4	SSCMACRN	CONTROL BLOCK ACRONYM - 'SSCM'
16	(10)	BITSTRING	2	SSCMAUTH (0)	COMMAND AUTHORITY
16	(10)	BITSTRING	1	SSCMAUTA	COMMAND AUTHORITY BYTE 1
		1...		SSCMSYS	"X'80'" COMMAND GROUP 1 (SYS)
		.1..		SSCMIO	"X'40'" COMMAND GROUP 2 (I/O)
		..1.		SSCMCONS	"X'20'" COMMAND GROUP 3 (CONS)
17	(11)	BITSTRING	1	SSCMAUTB	COMMAND AUTHORITY BYTE 2
18	(12)	BITSTRING	1	SSCMDISP	DISPOSITION FLAGS
		1...		SSCMMC	"X'80'" MASTER AUTHORITY
		.1..		SSCMNMCS	"X'40'" NON MCS CONSOLE ID
		..1.		SSCMC	"X'20'" COMMAND FROM MCS CONSOLE
		...1		SSCMDSPR	"X'10'" COMMAND ISSUED BEFORE RACF ACTIVE
		 1111		SSCMXR2	"X'0F'" RESERVED

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
19	(13)	CHARACTER	1	SSCMBLEN	COMMAND BUFFER LENGTH
20	(14)	CHARACTER	4	SSCMPTOK	PROGRAM TOKEN
		1...		SSCMPTHR	"X'80'" PROGRAM TOKEN EXISTS
24	(18)	ADDRESS	4	SSCMOLIP	If SSCMSYMS = ON, address of structure SSCMOLIB (original command text before symbolic variable substitution)
28	(1C)	ADDRESS	4	SSCMUTOK	POINTER TO UTOKEN
32	(20)	SIGNED	2	SSCMULTH	UTOKEN LENGTH
34	(22)	BITSTRING	1	SSCMFLG	MISC FLAGS
		1...		SSCMRTDM	"X'80'" ROUTED BY ROUTE *ALL COMMAND
		.1..		SSCMSYMS	"X'40'" Command text was changed by substitution of symbolic variables
		..1.		SSCMIDOK	"X'20'" SSCMOCID valid
35	(23)	CHARACTER	1	SSCMRES3	RESERVED
36	(24)	SIGNED	4	SSCMCNID	4-BYTE CONSOLE ID
40	(28)	CHARACTER	8	SSCMSCNM	CONSOLE NAME
48	(30)	ADDRESS	4	SSCMCTXT	POINTER TO COMMAND TEXT
52	(34)	SIGNED	2	SSCMCLEN	COMMAND TEXT LENGTH
54	(36)	CHARACTER	8	SSCMCART	COMMAND AND RESPONSE TOKEN
62	(3E)	CHARACTER	2	SSCMRES4	RESERVED
64	(40)	ADDRESS	4	SSCMCXPT	ADDRESS OF COMMAND SENSITIVE AREA

Comment

THIS AREA SHOULD ALWAYS BE AT THE BOTTOM OF THE SSCM.
SSCMXPT SHOULD BE USED TO LOCATE THE COMMAND SESITIVE AREA

End of Comment

68	(44)	CHARACTER	20	SSCMCMDX	COMMAND SENSITIVE AREA FOR REPLIES
68	(44)	X'58'	0	SSCMSIZE	"*-SSCMBGN" COMMAND EXTENSION LENGTH
68	(44)	X'58'	0	SSOBLEN7	"SSOBHSIZ+SSCMSIZE" TOTAL SSOB LENGTH

Comment

COMMAND SENSITIVE AREA FOR REPLY COMMAND

End of Comment

68	(44)	BITSTRING	1	SSCMCVRB	COMMAND VERB (X'85')
69	(45)	CHARACTER	3	SSCMRES6	RESERVED
72	(48)	ADDRESS	4	SSCMRTCB	TCB OF WTOR ISSUER
76	(4C)	SIGNED	2	SSCMRASI	ASID OF WTOR ISSUER
78	(4E)	SIGNED	2	SSCMRTXT	OFFSET TO REPLY TEXT
80	(50)	CHARACTER	1	SSCMRFLG	SYSPLEX REPLY FLAGS
		1...		SSCMRSEC	"X'80'" REPLY TO A SECURITY WTOR (ROUTE CODE OF 9)
		.111 1111		SSCMRRES	"X'7F'" RESERVED
81	(51)	CHARACTER	3	SSCMRES5	RESERVED
84	(54)	SIGNED	4	SSCMOCID	Originating console id (used in auth checking

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SSCMOLIB	Original command text
0	(0)	SIGNED	2	SSCMOMDL	Length of the command text
2	(2)	CHARACTER	1	SSCMOMDI (0)	Command image text
		1... .1.1		SSCMVRPL	"X'85'" VERB CODE FOR REPLY

SSCM Cross Reference

Name	Hex Offset	Hex Value
SSCMACRN	C	
SSCMAUTA	10	
SSCMAUTB	11	
SSCMAUTH	10	
SSCMBGN	0	0
SSCMBLEN	13	
SSCMBUFF	4	
SSCMC	12	20
SSCMCART	36	
SSCMCLEN	34	
SSCMCMDX	44	
SSCMCNID	24	
SSCMCONS	10	20
SSCMCTXT	30	
SSCMCVRB	44	
SSCMCXPT	40	
SSCMDISP	12	
SSCMDSPR	12	10
SSCMFLG	22	
SSCMIDOK	22	20
SSCMIMSG	0	8
SSCMIO	10	40
SSCMLEN	0	
SSCMMC	12	80
SSCMNMCS	12	40
SSCMOCID	54	
SSCMOLIB	0	
SSCMOLIP	18	
SSCMOMDI	2	
SSCMOMDL	0	
SSCMPTHR	14	80
SSCMPTOK	14	
SSCMRASI	4C	
SSCMRESV	2	
SSCMRES3	23	
SSCMRES4	3E	
SSCMRES5	51	
SSCMRES6	45	
SSCMRFLG	50	
SSCMRRES	50	7F
SSCMRSEC	50	80
SSCMRTCB	48	
SSCMRTDM	22	80
SSCMRTXT	4E	
SSCMSCID	8	
SSCMSCMD	0	0
SSCMSCNM	28	
SSCMSIZE	44	58
SSCMSUBC	0	4
SSCMSYMS	22	40
SSCMSYS	10	80
SSCMULTH	20	
SSCMUTOK	1C	
SSCMVRID	3	4
SSCMVRPL	0	85
SSCMVRSN	3	
SSCMXR2	12	F
SSCM211	3	1
SSCM220	3	2
SSCM410	3	3
SSCM520	3	4
SSOBCMND	0	A
SSOBLEN7	44	58

SSCS Heading Information

Common Name: SSOB Extension for Cancel/Status Function
Macro ID: IEFSSCS
DSECT Name: SSCS
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Offset: N/A
Subpool and Key: User subpool and key
Size: 28 bytes for SSOB plus 40 bytes
Created by: IKJEFF54, IKJEFF49, IKJEFF52
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSCS Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	X'2'	0	SSOBCANC	"2" CANCEL FUNCTION ID (SSOBFUNC)
0	(0)	X'3'	0	SSOBSTAT	"3" JOB STATUS FUNCTION ID (SSOBFUNC)

Comment

CANCEL/STATUS RETURN CODES (SSOBRETN)

End of Comment

0	(0)	X'0'	0	SSCSRTOK	"0" CANCEL/STATUS COMPLETED
0	(0)	X'4'	0	SSCSNOJB	"4" JOB NAME NOT FOUND
0	(0)	X'8'	0	SSCSBADI	"8" INVALID JOBNAME/JOB ID COMBINATION
0	(0)	X'C'	0	SSCSNCAN	"12" JOB NOT CANCELLED - DUPLICATE JOBNAMES AND NO JOB ID GIVEN
0	(0)	X'10'	0	SSCSMALL	"16" STATUS ARRAY TOO SMALL
0	(0)	X'14'	0	SSCSOUTP	"20" JOB NOT CANCELLED-JOB ON OUTPUT QUEUE
0	(0)	X'18'	0	SSCSYNTX	"24" JOBID WITH INVALID SYNTAX FOR SYBSYSTEM YM06023
0	(0)	X'1C'	0	SSCSICAN	"28" INVALID CANCEL REQUEST - CANNOT CANCEL AN ACTIVE TSO USER OR STARTED TASK / TSO USER MAY NOT CANCEL THE ABOVE JOBS UNLESS THEY ARE ON AN OUTPUT QUEUE. YM06036
0	(0)	X'20'	0	SSCSAUTH	"32" THE USER IS NOT AUTHORIZED TO ACCESS THE JOB.
0	(0)	X'0'	0	SSCSBGN	"*"
0	(0)	ADDRESS	2	SSCSLEN	CANCEL/STATUS EXTENSION LENGTH
2	(2)	BITSTRING	1	SSCSFLGS	USER SELECTION FLAGS
		1...		SSCSUSID	"X'80'" USERID IS IN JOBNAME FIELD
		.1..		SSCSCOUT	"X'40'" CANCEL THE JOBS OUTPUT Y02886

Comment

EQU X'3F' RESERVED FLAGS

End of Comment

3	(3)	BITSTRING	1	SSCSULEN	USERID LENGTH
4	(4)	CHARACTER	8	SSCSJOBN	JOB NAME
12	(C)	CHARACTER	8	SSCSJOBI	JOB ID OR BLANKS
20	(14)	SIGNED	2	SSCSDIMP	SET BY CALLER TO INDICATE SIZE OF ARRAY AVAILABLE TO SUBSYSTEM TO STORE RESULTS IN
22	(16)	SIGNED	2	SSCSDIMR	SET BY SUBSYSTEM TO INDICATE SIZE OF ARRAY USED, OR NEEDED IF NOT ENOUGH IS AVAILABLE

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Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					SSCSARAY MAPS AN ELEMENT OF AN ARRAY GOTTEN BY THE CALLER FOR THE SUBSYSTEM TO RETURN RESULTS IN. IF MORE THAN ONE ELEMENT EXISTS, ADDRESSABILITY TO THIS ARRAY MUST BE UPDATED BY THE ELEMENT SIZE (SSCSELSZ). THE TOTAL ARRAY SPACE USED FOR JOB STATUS REPLIES FROM THE SUBSYSTEM(ARRAY ELEMENT SIZE IN BYTES TIMES THE NUMBER OF ELEMENTS) MUST BE INDICATED IN SSCSDIMR. MESSAGES MUST FOLLOW THE LAST SSCSARAY ELEMENT USED FOR JOB STATUS.
					End of Comment
24	(18)	CHARACTER	16	SSCSARAY (0)	
24	(18)	X'18'	0	SSCSARBG	"*"
24	(18)	CHARACTER	8	SSCSARID	JOB IDENTIFIER
32	(20)	BITSTRING	1	SSCSFLG1	FLAGS SET BY SUBSYSTEM
		1...		SSCSJACT	"X'80'" JOB IS CURRENTLY ACTIVE (EXECUTING AFTER BEING GIVEN CONTROL BY THE INITIATOR)
		.1..		SSCSEXCQ	"X'40'" JOB IS WAITING FOR EXECUTION (ON A PRE-EXECUTION QUEUE)
		..1.		SSCSOUTQ	"X'20'" JOB IS ON OUTPUT QUEUE
		...1		SSCSHOLD	"X'10'" JOB IS HELD IN ITS CURRENT QUEUE
		.... 1...		SSCSSECL	"X'08'" JOB HAS A SECOND LEVEL MESSAGE
		.... .1..		SSCSNJEA	"X'04'" JOB ACTIVE IN NJE
					Comment
					EQU X'03' RESERVED FLAGS
					End of Comment
33	(21)	CHARACTER	1	SSCSUJOB	JOBNAME CHARACTER RETURNED BY SUBSYSTEM FOR USERID AS JOBNAME
34	(22)	CHARACTER	2	SSCSRSV2	RESERVED
36	(24)	ADDRESS	4	SSCSMPTR	POINTER TO MESSAGE RETURNED IN ARRAY
					Comment
					THE SECOND LEVEL MESSAGE AREA IS MAPPED BY A MULTI-LEVEL PUTLINE OUTPUT LINE DESCRIPTOR (OLD). THE FIRST 9 BYTES OF THE FIRST OR ONLY MESSAGE SEGMENT ARE RESERVED FOR THE INSERTION OF A MESSAGE ID BY THE CALLER. ONE TO 62 BYTES OF MESSAGE TEXT MAY BE PROVIDED BY THE SUBSYSTEM. A MAPPING OF THE OLD FORMAT NEEDED FOLLOWS. SSCSMPTR -> ONE TSO PUTLINE OUTPUT LINE DESCRIPTOR (OLD) +0 0 (NO OTHER OLD) +4 NUMBER OF MESSAGE SEGMENTS +8 PTR TO FIRST MESSAGE SEGMENT +. PTR TO NTH MESSAGE SEGMENT ..... MESSAGE SEGMENT FORMAT..... +0 TOTAL LENGTH OF MSG SEGMENT (INCLUDING THIS FIELD) +2 0 IF FIRST SEGMENT, OR OFFSET FOR INSERT IN FIRST +4 10 BLANKS FOR MSG ID (ONLY IN FIRST SEGMENT) +D MESSAGE TEXT (1-62 BYTES TOTAL FOR ALL SEGMENTS)
					End of Comment
36	(24)	X'10'	0	SSCSELSZ	"*-SSCSARAY" ARRAY ELEMENT SIZE
36	(24)	X'28'	0	SSCSIZE	"*-SSCSBGN" CANCEL/STATUS EXTENSION LENGTH
36	(24)	X'28'	0	SSOBLEN2	"SSOBHSIZ+SSCSIZE" TOTAL SSOB LENGTH

SSCS Cross Reference

Name	Hex Offset	Hex Value
SSCSARAY	18	
SSCSARBG	18	18
SSCSARID	18	
SSCSAUTH	0	20
SSCSBADI	0	8
SSCSBGN	0	0
SSCSCOUT	2	40
SSCSDIMP	14	
SSCSDIMR	16	
SSCSELSZ	24	10
SSCSEXCQ	20	40
SSCSFLGS	2	
SSCSFLG1	20	
SSCSHOLD	20	10
SSCSICAN	0	1C
SSCSIZE	24	28
SSCSJACT	20	80
SSCSJOBI	C	
SSCSJOBN	4	
SSCSLEN	0	
SSCSMALL	0	10
SSCSMPTR	24	
SSCSNCAN	0	C
SSCSNJEA	20	4
SSCSNOJB	0	4
SSCSOUTP	0	14
SSCSOUTQ	20	20
SSCSRSV2	22	
SSCSRTOK	0	0
SSCSSECL	20	8
SSCSUJOB	21	
SSCSULEN	3	
SSCSUSID	2	80
SSCSYNTX	0	18
SSOBCANC	0	2
SSOBLEN2	24	28
SSOBSTAT	0	3

SSCU Heading Information

Common Name: SSOB Extension for Common Unallocation/JES3 Exit
Macro ID: IEFSSCU
DSECT Name: SSCU
Owning Component: Allocation/unallocation (SC1B4)
Subpool and Key: User subpool and key
Size: 20 bytes for SSOB plus 24 bytes for SSCU
Created by: IEFAB4A0
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSCU Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	24	SSCU	BEGINNING COMMON UNALLOCATION SSOB EXTENSION
0	(0)	SIGNED	2	SSCULEN	LENGTH OF SSCU
2	(2)	BITSTRING	1	SSCUFLGS	COMMON UNALLOCATION FLAGS
		1...		SSCULSCL	THIS IS THE LAST CALL FOR THE STEP, SET ON FOR EACH DD BEING UNALLOCATED AT STEP UNALLOCATION
		.111 1111		SSCURSVF	RESERVED FLAGS
3	(3)	BITSTRING	1	SSCURSV0	RESERVED
4	(4)	ADDRESS	4	SSCUPSTN	PTR TO STEP NUMBER
8	(8)	ADDRESS	4	SSCUPDDN	PTR TO DDNAME
12	(C)	ADDRESS	4	SSCUPRPN	PTR TO RELATIVE POSITION NUMBER
16	(10)	SIGNED	4	SSCURSV2	RESERVED
20	(14)	SIGNED	4	SSCURSV1	RESERVED

SSCU Constants

Len	Type	Value	Name	Description
2	DECIMAL	25	SSOBCUCD	COMMON UNALLOCATION

SSCU Cross Reference

Name	Hex Offset	Hex Value
SSCU	0	
SSCUFLGS	2	
SSCULEN	0	
SSCULSCL	2	80
SSCUPDDN	8	
SSCUPRPN	C	
SSCUPSTN	4	
SSCURSVF	2	7F
SSCURSV0	3	
SSCURSV1	14	
SSCURSV2	10	

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SSCVT Programming Interface information

Programming Interface information

SSCVT

ONLY the following fields are part of the programming interface information:

- SSCTSNAM
- SSCTSSID

End of Programming Interface information

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SSCVT Heading Information

Common Name: Subsystem Communications Vector Table
Macro ID: IEFJSCVT
DSECT Name: SSCT
Owning Component: Subsystem Interface (SC1B6)
Eye-Catcher ID: SSCT
Offset: 0
Length: 4 bytes
Storage Attributes: Main Storage: No
Virtual Storage: Yes
Auxiliary Storage: Yes
Subpool: 241
Key: 0
Data Space: No
Residency: BELOW
Size: 36 bytes (decimal)
Created by: Subsystem Interface
Pointed to by: - JESSSCT field of the JESCT data area
- SSCTSCTA field of the SSCVT data area
Serialization: The SSCVT should be accessed only through the services provided by the IEFSSI macro.
Function: Maps information defining a subsystem

SSCVT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SSCT	
0	(0)	X'0'	0	SSCTBEGN	"*"
0	(0)	CHARACTER	4	SSCTID	CONTROL BLOCK IDENTIFIER
4	(4)	ADDRESS	4	SSCTSCTA	PTR TO NEXT SSCVT OR ZERO
8	(8)	CHARACTER	4	SSCTSNAM	SUBSYSTEM NAME
12	(C)	BITSTRING	1	SSCTFLG1	FLAGS
		1...		SSCTSFOR	"X'80'" SERIAL FIB OPERATIONS REQUIRED
		.1..		SSCTUPSS	"X'40'" USE PRIMARY SUBSYSTEM'S SERVICES FOR THIS SUBSYSTEM (E.G. SYSOUT)
		..1.		SSCTARDR	"X'20'" Subsystem supports Dynamic Allocation of a special internal reader.
13	(D)	BITSTRING	1	SSCTSSID	SUBSYSTEM IDENTIFIER. SET BY SUBSYSTEM FIRST TIME IT IS INVOKED AFTER IPL
		....		SSCTUNKN	"X'00'" UNKNOWN SUBSYSTEM ID
		.... ..1.		SSCTJES2	"X'02'" JES2 SUBSYSTEM ID
		11		SSCTJES3	"X'03'" JES3 SUBSYSTEM ID
14	(E)	BITSTRING	1	SSCTRSV1 (2)	RESERVED
16	(10)	ADDRESS	4	SSCTSSVT	SUBSYSTEM VECTOR TABLE POINTER
20	(14)	SIGNED	4	SSCTSUSE	RESERVED FOR SUBSYSTEM USAGE
24	(18)	ADDRESS	4	SSCTSYN	HASH TABLE SYNONYM POINTER
28	(1C)	SIGNED	4	SSCTSUS2	RESERVED FOR SUBSYSTEM USAGE
32	(20)	SIGNED	4	SSCTRSV3	RESERVED
32	(20)	X'24'	0	SSCTSIZE	"*-SSCTBEGN" SSCVT LENGTH

SSCVT Cross Reference

Name	Hex Offset	Hex Value
SSCT	0	
SSCTARDR	C	20
SSCTBEGN	0	0
SSCTFLG1	C	
SSCTID	0	E2E2C3E3
SSCTJES2	D	2
SSCTJES3	D	3
SSCTRSV1	E	
SSCTRSV3	20	
SSCTSCTA	4	
SSCTSFOR	C	80
SSCTSIZE	20	24
SSCTSNAM	8	
SSCTSSID	D	
SSCTSSVT	10	
SSCTSUSE	14	
SSCTSUS2	1C	
SSCTSYN	18	
SSCTUNKN	D	0
SSCTUPSS	C	40

SSDA Heading Information

Common Name: FUNCTIONAL EXTENSION FOR OPEN/CLOSE, CHECKPOINT/RESTART
Macro ID: IEFSSDA
DSECT Name: SSDA
Owning Component: Initiator/terminator (SC1B6)
Eye-Catcher ID: None
Storage Attributes: Subpool: User
Key: User
Size: 20 bytes for SSOB plus 28 bytes for SSDA
Created by: IGG0193K
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSDA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	28	SSDA	DATA MANAGEMENT FUNCTION
0	(0)	SIGNED	2	SSDALEN	LENGTH OF SSDA
2	(2)	UNSIGNED	1	SSDAVER	MACRO VERSION NUMBER
3	(3)	BITSTRING	1	SSDARESF	RESTART FLAGS
		1...		SSDAAUTO	AUTO CHECKPOINT RESTART
		.1..		SSDADEFR	DEFERRED CHECKPOINT RESTART
		..11 1111		*	RESERVED
4	(4)	ADDRESS	4	SSDABUFR	4K BUFFER PTR-GOTTEN BY CHECKPT AND RESTART, USED BY SUBSYSTEM OR 256 BYTE PTR-GOTTEN BY OPEN, USED BY SUBSYSTEM FOR OPEN VERIFICATION
8	(8)	ADDRESS	4	SSDAJFCB	JFCB POINTER
12	(C)	ADDRESS	4	SSDADEBP	DEB POINTER
16	(10)	ADDRESS	4	SSDASSCM	POINTER TO SUBSYSTEM INFORMATION
20	(14)	ADDRESS	4	SSDADSAB	DSAB POINTER
24	(18)	BITSTRING	1	SSDAOCFL	OPEN/CLOSE FLAGS
		1...		SSDAOPNV	OPEN VERIFICATION
		.1..		SSDALRNS	LRECL NOT AVAILABLE, DEFAULTED BY OPEN
25	(19)	CHARACTER	3	SSDARSV2	RESERVED

SSDA Constants

Len	Type	Value	Name	Description
2	DECIMAL	16	SSOBOPEN	OPEN FUNCTION ID
2	DECIMAL	17	SSOBCLOS	CLOSE FUNCTION ID
2	DECIMAL	18	SSOBCKPT	CHECKPOINT FUNCTION ID
2	DECIMAL	19	SSOBREST	RESTART FUNCTION ID

Comment

OPEN/CLOSE, C/R RETURN CODES (SSOBRETN)

End of Comment

4	DECIMAL	0	SSDMOK	REQUEST SUCCESSFUL YM02677
4	DECIMAL	4	SSDMFAIL	REQUEST UNSUCCESSFUL YM02677

Comment

ADDITIONAL DATA FOR THIS EXTENSION

End of Comment

1	DECIMAL	2	SSDACVER	CURRENT VERSION NUMBER

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SSDA Cross Reference

Name	Hex Offset	Hex Value
SSDA	0	
SSDAAUTO	3	80
SSDABUFR	4	
SSDADEBP	C	
SSDADEFR	3	40
SSDADSAB	14	
SSDAJFCB	8	
SSDALEN	0	
SSDALRNS	18	40
SSDAOCFL	18	
SSDAOPNV	18	80
SSDARESF	3	
SSDARSV2	19	
SSDASSCM	10	
SSDAVER	2	

SSDD Heading Information

Common Name: SSOB Extension for Change DDname/JES3 Exit
Macro ID: IEFSSDD
DSECT Name: SSDD
Owning Component: Allocation/unallocation (SC1B4)
Subpool and Key: User subpool and key
Size: 20 bytes for SSOB plus 16 bytes for SSDD
Created by: IEFDB4FB
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSDD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	16	SSDD	BEGINNING CHANGE DDNAME SSOB EXTENSION
0	(0)	SIGNED	2	SSDDLEN	LENGTH OF SSDD
2	(2)	SIGNED	2	SSDDRSV0	RESERVED
4	(4)	SIGNED	4	SSDDNUMB	NUMBER OF CHANGED DDNAMES
8	(8)	ADDRESS	4	SSDDNPTR	PTR TO DDNAME INFO
12	(C)	SIGNED	4	SSDDRSV1	RESERVED

SSDD Constants

Len	Type	Value	Name	Description
2	DECIMAL	26	SSOBDDCD	CHANGE DDNAME ID

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SSDM Programming Interface Information

Programming Interface Information

SSDM

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SSDM Heading Information

Common Name: SSOB Extension for Delete Operator Messages
Macro ID: IEFSSDM
DSECT Name: SSDM
Owning Component: Initiator/terminator (SC1B6)
Subpool and Key: User subpool and key
Size: 20 bytes for SSOB plus 17 bytes for SSDM
Created by: IEAVXDOM, IEAVMDOM, IEAVMED2
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSDM Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'E'	0	SSOBDOM	"14" DOM FUNCTION ID (SSOBFUNC)

Comment

DOM RETURN CODES (SSOBRETN) -
NO DOM RETURN CODES CURRENTLY DEFINED

End of Comment

0	(0)	X'0'	0	SSDMBGN	"*"
0	(0)	ADDRESS	2	SSDMLEN	DOM EXTENSION LENGTH
2	(2)	BITSTRING	1	SSDMFLG1	FLAGS BYTE
		1...		SSDMSEND	"X'80'" DOM REQUEST SHOULD BE COMMUNICATED TO OTHER SYSTEMS
3	(3)	BITSTRING	1	SSDMRES2	RESERVED
4	(4)	ADDRESS	4	SSDMDMCB	DOM CONTROL BLOCK ADDRESS (DOMC SECTION OF THE DOMCB)
8	(8)	ADDRESS	4	SSDMDMC2	DOM CONTROL BLOCK ADDRESS (ENTIRE DOMCB)
12	(C)	CHARACTER	4	SSDMACRN	CONTROL BLOCK ACRONYM - 'SSDM'
16	(10)	BITSTRING	1	SSDMVRSN	VERSION LEVEL
16	(10)	X'1'	0	SSDMSP22	"1" VERSION LEVEL FOR OS/VS2 JBB2220
16	(10)	X'1'	0	SSDMVRID	"SSDMSP22" VERSION LEVEL-UPDATED FOR SIZE OR INCOMPATIBLE CHANGE
16	(10)	X'11'	0	SSDMSIZE	"*-SSDMBGN" DOM EXTENSION LENGTH
16	(10)	X'11'	0	SSOBLENA	"SSOBHSIZ+SSDMSIZE" TOTAL SSOB LENGTH

SSDM Cross Reference

Name	Hex Offset	Hex Value
SSDMACRN	C	
SSDMBGN	0	0
SSDMDMCB	4	
SSDMDMC2	8	
SSDMFLG1	2	
SSDMLEN	0	
SSDMRES2	3	
SSDMSEND	2	80
SSDMSIZE	10	11
SSDMSP22	10	1
SSDMVRID	10	1
SSDMVRSN	10	
SSOBDOM	0	E
SSOBLENA	10	11

SSDR Heading Information

Common Name: SSOB Extension for Dynamic Device Reconfiguration
Macro ID: IEFSSDR
DSECT Name: SSDR
Owning Component: Dynamic Device Reconfiguration (BB1CS)
Subpool and Key: User subpool and key
Size: 20 bytes for SSOB plus 16 bytes for SSDR
Created by: IGFDI0
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSDR Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	16	SSDR	BEGINNING SSOBDR EXTENSION
0	(0)	SIGNED	2	SSDRLEN	LENGTH OF SSDR
2	(2)	BITSTRING	1	SSDRFLG1	SSDR FLAG BYTE FOR FUNCTIONS SSOBDDR1 AND SSOBDDR2
3	(3)	BITSTRING	1	SSDRFLG2	SSDR FLAG BYTE FOR FUNCTIONS SSOBDDR3 AND SSOBDDR4
		1111		*	RESERVED FOR SSOBDDR3
		.... 1...		SSDR4SWP	FOR FUNCTION 4 ONLY - IF ON, SWAP SUCCESSFUL - IF OFF, SWAP UNSUCCESSFUL
4	(4)	ADDRESS	4	SSDRSFRU	PTR TO SWAP FROM UCB
8	(8)	ADDRESS	4	SSDRSTOU	PTR TO SWAP TO UCB
12	(C)	ADDRESS	4	SSDRUCBL	PTR TO JES3 UCB LIST (FULLWORD UCB ADDRESSES, ENDED BY X'FFFFFFFF')

SSDR Constants

Len	Type	Value	Name	Description
2	DECIMAL	28	SSOBDDR1	DDR DEVICE CANDIDATE SELECTION FUNCTION
2	DECIMAL	29	SSOBDDR2	DDR DEVICE CANDIDATE VERIFICATION FUNCTION
2	DECIMAL	30	SSOBDDR3	DDR UCB SWAP NOTIFICATION FUNCTION
2	DECIMAL	31	SSOBDDR4	DDR SWAP COMPLETION FUNCTION

Comment

RETURN CODES FOR SSOBDDR1 FUNCTION

End of Comment

4	DECIMAL	0	SSDR1EDL	LIST OF ELIGIBLE DEVICES IS RETURNED
4	DECIMAL	4	SSDR1IDL	LIST OF INELIGIBLE DEVICES IS RETURNED
4	DECIMAL	8	SSDR1NOL	NO LIST RETURNED, NO MORE DEVICES ELIGIBLE

Comment

RETURN CODES FOR SSOBDDR2 FUNCTION

End of Comment

4	DECIMAL	0	SSDR2ED	CANDIDATE IS AN ELIGIBLE DEVICE
4	DECIMAL	4	SSDR2ID	CANDIDATE IS AN INELIGIBLE DEVICE

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SSDY Programming Interface Information

Programming Interface Information

SSDY

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SSDY Heading Information

Common Name: SSOB Extension for Dynamic Allocation JES3
Macro ID: IEFSSDY
DSECT Name: SSDY
Owning Component: Allocation/Unallocation (SC1B4)
Eye-Catcher ID: None
Subpool and Key: User subpool and key
Size: 24 bytes
Created by: IEFDB413
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSDY Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	X'17'	0	SSOBDYCD	"23" DYNAMIC ALLOCATION FUNCTION ID (SSOBFUNC)
Comment					
DYNAMIC ALLOCATION RETURN CODES (SSOBRETN)					
End of Comment					
0	(0)	X'0'	0	SSDYSUCC	"0" SUCCESSFUL
0	(0)	X'4'	0	SSDYVNMT	"4" REQUESTED VOLUME NOT MOUNTED (VOLUME MOUNTING NOT ALLOWED)
0	(0)	X'8'	0	SSDYVBUS	"8" VOLUME BUSY (WAITING FOR VOLUME IS NOT ALLOWED)
0	(0)	X'C'	0	SSDYUNAV	"12" REQUESTED VOLUME UNAVAILABLE (VOLUME FOUND IN THE JES3 VOLUME UNAVAILABLE TABLE)
0	(0)	X'10'	0	SSDYDBUS	"16" REQUESTED DATA SET BUSY (WAITING FOR DATASET NOT ALLOWED)
0	(0)	X'14'	0	SSDYNUNT	"20" REQUESTED UNIT(S) NOT AVAILABLE (NO UNIT(S) OF TYPE AVAILABLE FOR USE)
0	(0)	X'18'	0	SSDYNEDP	"24" NOT ENOUGH DEVICES OF TYPE REQUESTED EXIST ON THE PROCESSOR FROM WHICH THE ALLOCATION REQUEST ORIGINATED
0	(0)	X'1C'	0	SSDYCNCL	"28" REQUEST CANCELLED BY OPERATOR
0	(0)	X'0'	0	SSDYBGN	"*" DYNAMIC ALLOCATION BEGINNING
0	(0)	ADDRESS	2	SSDYLEN	DYNAMIC ALLOCATION EXTENSION LENGTH
2	(2)	SIGNED	2	SSDYRSV0	RESERVED
4	(4)	ADDRESS	4	SSDYSIOT	POINTER TO 1ST SIOT
8	(8)	ADDRESS	4	SSDYPFLG	POINTER TO FLAG FIELD
12	(C)	SIGNED	4	SSDYSTFL	POINTER TO A SIOT IN ERROR
16	(10)	SIGNED	4	SSDYRSV2	RESERVED
20	(14)	SIGNED	4	SSDYRSV1	RESERVED
20	(14)	X'18'	0	SSDYSIZE	"*-SSDYBGN" EXTENSION LENGTH
20	(14)	X'18'	0	SSOBLN10	"SSOBHSIZ+SSDYSIZE" TOTAL SSOB LENGTH

SSDY Cross Reference

Name	Hex Offset	Hex Value
SSDYBGN	0	0
SSDYCNCL	0	1C
SSDYDBUS	0	10
SSDYLEN	0	
SSDYNEDP	0	18
SSDYNUNT	0	14
SSDYPFLG	8	
SSDYRSV0	2	
SSDYRSV1	14	
SSDYRSV2	10	
SSDYSIOT	4	
SSDYSIZE	14	18
SSDYSTFL	C	
SSDYSUCC	0	0
SSDYUNAV	0	C
SSDYVBUS	0	8
SSDYVNMT	0	4
SSOBDYCD	0	17
SSOBLN10	14	18

SSEN Programming Interface Information

Programming Interface Information

SSEN

End of Programming Interface Information

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SSEN Heading Information

Common Name: SSOB Extension for End of Memory
Macro ID: IEFSSEN
DSECT Name: SSEN
Owning Component: Initiator/terminator (SC1B6)
Subpool and Key: User subpool and key
Size: 20 bytes for SSOB plus 16 bytes for SSEN
Created by: IEFJRECM
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSEN Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'8'	0	SSOBEOM	"8" EOM FUNCTION ID (SSOBFUNC)

Comment

EOM RETURN CODES (SSOBRETN)
NO EOM RETURN CODES CURRENTLY DEFINED

End of Comment

0	(0)	X'0'	0	SSENBGN	"*"
0	(0)	ADDRESS	2	SSENLEN	EOM EXTENSION LENGTH
2	(2)	SIGNED	2	SSENRESV	RESERVED
4	(4)	SIGNED	2	SSENASID	ASID OF TERMINATING MEMORY
6	(6)	BITSTRING	1	SSENFLAG	END OF MEMORY FLAGS
		1...		SSENTYPE	"X'80'" ON - ABNORMAL MEMORY TERMINATION OFF-NORMAL MEMORY TERMINATION
7	(7)	BITSTRING	1	SSENRSV1	RESERVED
8	(8)	ADDRESS	4	SSENJBNM	JOBNAME LIST POINTER - EACH JOBNAME ENTRY IS 12 BYTES - 1ST 4 BYTES - PTR TO NEXT JOBNAME ENTRY (LAST ENTRY CONTAINS ZEROS IN 1ST 4 BYTES) LAST 8 BYTES - JOBNAME ASSOCIATED WITH TERMINATING MEMORY
12	(C)	ADDRESS	4	SSENASCB	ASCB ADDRESS OF TERMINATING MEMORY
12	(C)	X'10'	0	SSENSIZE	"*-SSENBGN" EOM EXTENSION LENGTH
12	(C)	X'10'	0	SSOBLEN5	"SSOBHSIZ+SSENSIZE" TOTAL SSOB LENGTH

SSEN Cross Reference

Name	Hex Offset	Hex Value
SSENASCB	C	
SSENASID	4	
SSENBGN	0	0
SSENFLAG	6	
SSENJBNM	8	
SSENLEN	0	
SSENRESV	2	
SSENRSV1	7	
SSENSIZE	C	10
SSENTYPE	6	80
SSOBEOM	0	8
SSOBLEN5	C	10

SSET Programming Interface Information

Programming Interface Information

SSET

End of Programming Interface Information

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SSET Heading Information

Common Name: SSOB Extension for End of Task
Macro ID: IEFSSET
DSECT Name: SSET
Owning Component: Initiator/terminator (SC1B6)
Subpool and Key: User subpool and key
Size: 20 bytes for SSOB plus 16 bytes for SSET
Created by: IEFJRECM, IEFJRECF
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSET Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'4'	0	SSOBEOT	"4" EOT FUNCTION ID (SSOBFUNC)
0	(0)	X'32'	0	SSOBFEOT	"50" EOT FUNCTION ID (SSOBFUNC)

Comment

EOT RETURN CODES (SSOBRETN) -
NO EOT RETURN CODES CURRENTLY DEFINED

End of Comment

0	(0)	X'0'	0	SSETBGN	"*"
0	(0)	ADDRESS	2	SSETLEN	EOT EXTENSION LENGTH
2	(2)	SIGNED	2	SSETRSV0	RESERVED
4	(4)	SIGNED	2	SSETASID	ASID OF MEMORY IN WHICH TASK WAS ACTIVE
6	(6)	BITSTRING	1	SSETFLAG	END OF TASK FLAGS -
		1...		SSETYPE	"X'80'" ON - ABNORMAL TASK TERMINATION OFF- NORMAL TASK TERMINATION
7	(7)	BITSTRING	1	SSETRSV1	RESERVED
8	(8)	ADDRESS	4	SSETCBA	ADDRESS OF TERMINATING TCB
12	(C)	ADDRESS	4	SSETASCB	ASCB ADDRESS OF TERMINATING TASK'S MEMORY
12	(C)	X'10'	0	SSETSIZE	"*-SSETBGN" EOT EXTENSION LENGTH
12	(C)	X'10'	0	SSOBLEND	"SSOBHSIZ+SSETSIZE" TOTAL SSOB LENGTH

SSET Cross Reference

Name	Hex Offset	Hex Value
SSETASCB	C	
SSETASID	4	
SSETBGN	0	0
SSETCBA	8	
SSETFLAG	6	
SSETLEN	0	
SSETRSV0	2	
SSETRSV1	7	
SSETSIZE	C	10
SSETYPE	6	80
SSOBEOT	0	4
SSOBFEOT	0	32
SSOBLEND	C	10

SSGC Programming Interface information

Programming Interface information

SSGC

End of Programming Interface information

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SSGC Heading Information

Common Name: SSOB functional extension for Generic Connect
Macro ID: IEFSSGC
DSECT Name: SSGC (when specified by user)
Owning Component: Subsystem Interface (SC1B6)
Eye-Catcher ID: SSGC
Offset: 4
Length: 4 bytes
Storage Attributes: Subpool: User subpool
Key: User key
Residency: Any
Size: 40 bytes (decimal)
Created by: The invoker of IEFSSREQ
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: SSOB extension used for the Generic Connect subsystem function.
The Generic Connect function is to be used when a subsystem's supporting address-space wishes to notify the subsystem that it is now active or inactive.

SSGC Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	X'49'	0	SSOBGCON	"73" Subsystem generic connect
Comment					
GENERIC CONNECT RETURN CODES (SSOBRETN)					
End of Comment					
0	(0)	X'0'	0	SSGCOK	"0" Successful
0	(0)	X'4'	0	SSGCERR	"4" Error occurred
0	(0)	SIGNED	4	SSGCBGN (0)	Start of Generic Connect
0	(0)	ADDRESS	2	SSGCLEN	Length of extension
2	(2)	ADDRESS	1		Reserved
3	(3)	ADDRESS	1	SSGCVER	Version of extension
4	(4)	CHARACTER	4	SSGCID	Extension identifier
8	(8)	ADDRESS	2	SSGCFUNC	Subfunction request
8	(8)	X'4'	0	SSGCCNCT	"4" Connect
8	(8)	X'8'	0	SSGCDSCT	"8" Disconnect
8	(8)	X'C'	0	SSGCQURY	"12" Query
10	(A)	ADDRESS	2	SSGCERCD	Error code
10	(A)	X'0'	0	SSGCRQOK	"0" Request successful
10	(A)	X'4'	0	SSGCNOTC	"4" Address-space not connected
10	(A)	X'8'	0	SSGCINVF	"8" Invalid sub-function
12	(C)	BITSTRING	1	SSGCTYPE	Subsystem type
		1...		SSGCCICS	"X'80'" CICS request
13	(D)	BITSTRING	1		Reserved
14	(E)	ADDRESS	2	SSGCASID	Address space identifier
16	(10)	CHARACTER	8	SSGCJBNM	Jobname
24	(18)	CHARACTER	8		Reserved
32	(20)	ADDRESS	4	SSGCUSR1	Subsystem use 1
36	(24)	ADDRESS	4	SSGCUSR2	Subsystem use 2
36	(24)	X'28'	0	SSGCSIZE	"*-SSGCBGN" Extension length

SSGC Cross Reference

Name	Hex Offset	Hex Value
SSGCASID	E	
SSGCBGN	0	
SSGCCICS	C	80
SSGCCNCT	8	4
SSGCDSCT	8	8
SSGCERCD	A	
SSGCERR	0	4
SSGCFUNC	8	
SSGCID	4	E2E2C7C3
SSGCINVF	A	8
SSGCJBNM	10	40404040
SSGCLEN	0	
SSGCNOTC	A	4
SSGCOK	0	0
SSGCQURY	8	C
SSGCRQOK	A	0
SSGCSIZE	24	28
SSGCTYPE	C	0
SSGCUSR1	20	
SSGCUSR2	24	
SSGCVER	3	
SSOBGCON	0	49

SSIB Programming Interface information

Programming Interface information

SSIB

ONLY the following fields are part of the programming interface information:

- SSIBID
- SSIBJBID
- SSIBLEN
- SSIBSIZE
- SSIBSSNM
- SSIBSUSE

End of Programming Interface information

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SSIB Heading Information

Common Name: Subsystem Identification Block (SSIB)
Macro ID: IEFJSSIB
DSECT Name: SSIB
Owning Component: Subsystem Interface (SC1B6)
Eye-Catcher ID: 'SSIB'
Offset: 0
Length: 4 bytes
Storage Attributes: Subpool: User's subpool
Key: User's key
Residency: Any
Size: 36 bytes
Frequency: 1 per IEFSSREQ request
Created by: Invoker of IEFSSREQ
Pointed to by: SSOBSSIB field of the SSOB data area
Serialization: None
Function: Identifies the subsystem to which a request for services is being made. Also contains common control information passed between the requestor and the subsystem.

SSIB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SSIB	
0	(0)	X'0'	0	SSIBEGIN	"*"
0	(0)	CHARACTER	4	SSIBID	CONTROL BLOCK IDENTIFIER
4	(4)	ADDRESS	2	SSIBLEN	SSIB LENGTH
6	(6)	BITSTRING	1	SSIBFLG1	FLAGS
		1...		SSIBPJES	"X'80'" THIS SSIB IS USED TO START THE JOB ENTRY SUBSYSTEM
		.1..		SSIBNSVC	"X'40'" NO SVC INDICATOR
7	(7)	BITSTRING	1	SSIBSSID	SUBSYSTEM IDENTIFIER. SET IN IEFJSCVT BY SUBSYSTEM FIRST TIME IT IS INVOKED AFTER IPL. SET IN SSIB BY SUBSYSTEM INTERFACE
		....		SSIBUNKN	"X'00'" UNKNOWN SUBSYSTEM ID
		.... ..1.		SSIBJES2	"X'02'" JES2 SUBSYSTEM ID
		11		SSIBJES3	"X'03'" JES3 SUBSYSTEM ID
8	(8)	CHARACTER	4	SSIBSSNM	Subsystem name to which a request for services is being made
12	(C)	CHARACTER	8	SSIBJBID	Job Identifier or Subsystem name to be verified
20	(14)	CHARACTER	8	SSIBDEST	DEFAULT USERID FOR SYSOUT DESTINATION
28	(1C)	SIGNED	4	SSIBRSV1	RESERVED
32	(20)	SIGNED	4	SSIBSUSE	RESERVED FOR SUBSYSTEM USAGE
32	(20)	X'24'	0	SSIBSIZE	"*-SSIBEGIN" SSIB LENGTH

SSIB Cross Reference

Name	Hex Offset	Hex Value
SSIB	0	
SSIBDEST	14	
SSIBEGIN	0	0
SSIBFLG1	6	
SSIBID	0	E2E2C9C2
SSIBJBID	C	
SSIBJES2	7	2
SSIBJES3	7	3
SSIBLEN	4	
SSIBNSVC	6	40
SSIBPJES	6	80
SSIBRSV1	1C	
SSIBSIZE	20	24
SSIBSSID	7	
SSIBSSNM	8	
SSIBSUSE	20	
SSIBUNKN	7	0

SSJI Programming Interface information

Programming Interface information

SSJI

End of Programming Interface information

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SSJI Heading Information

Common Name: SSOB Extension for the JES Job Information Service
Macro ID: IAZSSJI
DSECT Name: SSJI
Owning Component: JES Common (SC141)
Eye-Catcher ID: SSJI
Offset: 0
Length: 4
Storage Attributes: Subpool: caller
Key: Any
Residency: Any
Size: See SSJISIZE equate
Created by: Caller of SSI function 'SSOBSSJI' = 71
Pointed to by: SSOBINDV in the IEFSSOBH mapping macro
Serialization: None required
Function: Defines the SSOB extension used by authorized programs to request Job Information Service from the JES checkpoint data space.

SSJI Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	X'47'	0	SSOBSSJI	"71" JES JOB INFORMATION USER SERVICE ID

Comment

RETURN CODE VALUES FOR SSOBRETN

End of Comment

0	(0)	X'0'	0	SSJIOK	"0" REQUEST SUCCESSFUL
0	(0)	X'4'	0	SSJIERVR	"4" REQUEST COMPLETED WITH POSSIBLE ERRORS, VERSION AVAILABLE, SEE SSJIRETN FOR REASON CODE
0	(0)	X'8'	0	SSJIERRU	"8" REQUEST CANNOT BE COMPLETED DUE TO USER ERROR, NO VERSION IS AVAILABLE, SEE SSJIRETN FOR REASON CODE
0	(0)	X'C'	0	SSJIERRJ	"12" REQUEST CANNOT BE COMPLETED, CALL LEVEL 1 SERVICE, NO VERSION IS AVAILABLE, SSJIRETN CONTAINS INTERNAL JES2 REASON CODE
0	(0)	X'10'	0	SSJIPARM	"16" THE PARAMETER LIST, IE, THE SSJI EXTENSION IS AN INVALID FORMAT - IT IS NOT AN SSJI, THE SERVICE VERSION NUMBER IS NOT SUPPORTED, OR THE SSJI IS NOT LARGE ENOUGH
0	(0)	X'0'	0	SSJIBGN	"*"
0	(0)	CHARACTER	4	SSJIID	EXTENSION IDENTIFIER
4	(4)	ADDRESS	2	SSJILEN	LENGTH OF SSOB EXTENSION AREA
6	(6)	SIGNED	2	SSJISVRN	SERVICE VERSION NUMBER
6	(6)	X'1'	0	SSJISVR#	"1" SERVICE VERSION NUMBER OF THIS LEVEL OF IAZSSJI - VERSION 4.1.0 SSJISVRN MUST BE SET TO SSJISVR#
8	(8)	BITSTRING	1	SSJIFREQ	FUNCTION REQUEST BYTE
8	(8)	X'4'	0	SSJIFOBT	"4" FUNCTION REQUEST_OBTAIN
8	(8)	X'8'	0	SSJIFREL	"8" FUNCTION REQUEST_RELEASE
8	(8)	X'C'	0	SSJIFJCO	"12" Function Jobclass_Data Obtain
8	(8)	X'10'	0	SSJIFJCR	"16" Function Jobclass_Data Return
8	(8)	X'14'	0	SSJISIOM	"20" Function SPOOL I/O: obtain control block
8	(8)	X'18'	0	SSJISIRS	"24" Function SPOOL I/O: return storage
8	(8)	X'1C'	0	SSJICVDV	"28" Function Convert Device ID
9	(9)	BITSTRING	3	SSJIRSV1	RESERVED

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					NOTE: for function codes SSJISIOM and SSJISIRS, refer to the dsect IAZSPLIO for a description of the reason codes.
					End of Comment
12	(C)	SIGNED	4	SSJIRETN	REASON CODE FOR ERROR RETURN CODE
12	(C)	X'4'	0	SSJIUNSF	"4" UNSUPPORTED SUBFUNCTION REQUESTED
12	(C)	X'8'	0	SSJI2OBT	"8" SUCCESSIVE OBTAINS WITHOUT INTERVENING RELEASE REQUESTED
12	(C)	X'C'	0	SSJIDISA	"12" SUBTASK DISABLED, TRY AGAIN SHORTLY
12	(C)	X'10'	0	SSJIVINA	"16" VERSIONING INACTIVE, ACTIVATE IT
12	(C)	X'14'	0	SSJIOLDD	"20" THE DATA MAY BE OBSOLETE
12	(C)	X'18'	0	SSJINTDS	"24" SSJIUSER DOES NOT POINT TO A DSERV TOKEN LIST
12	(C)	X'1C'	0	SSJIUNSD	"28" UNSUPPORTED DSERV SERVICE VERSION NUMBER
12	(C)	X'20'	0	SSJISMDS	"32" DSERV TOKEN LIST NOT LARGE ENOUGH
12	(C)	X'24'	0	SSJIINVR	"36" INVALID INPUT DATA TO RELEASE, COULD BE SUCCESSIVE RELEASES WITHOUT INTERVENING OBTAIN OR RELEASE WITHOUT HAVING DONE OBTAIN
					Comment
					REASON CODES ABOVE 128 REPRESENT JES2 INTERNAL REASON CODES
					End of Comment
16	(10)	SIGNED	4	SSJIUSER	POINTER TO USER PARAMETER AREA
16	(10)	X'14'	0	SSJISIZE	"*-SSJIBGN" SSOB EXTENSION LENGTH
16	(10)	X'14'	0	SSJILEN8	"SSOBHSIZ+SSJISIZE" TOTAL SSOB LENGTH W/JI EXTENSION

SSJI Cross Reference

Name	Hex Offset	Hex Value
SSJIBGN	0	0
SSJICVDV	8	1C
SSJIDISA	C	C
SSJIERRJ	0	C
SSJIERRU	0	8
SSJIERVR	0	4
SSJIFJCO	8	C
SSJIFJCR	8	10
SSJIFOBT	8	4
SSJIFREL	8	8
SSJIFREQ	8	
SSJIID	0	E2E2D1C9
SSJIINVR	C	24
SSJILEN	4	
SSJILEN8	10	14
SSJINTDS	C	18
SSJIOK	0	0
SSJIOLDD	C	14
SSJIPARM	0	10
SSJIRETN	C	
SSJIRSV1	9	
SSJISIOM	8	14
SSJISIRS	8	18
SSJISIZE	10	14
SSJISMDS	C	20
SSJISVR#	6	1
SSJISVRN	6	
SSJIUNSD	C	1C
SSJIUNSF	C	4
SSJIUSER	10	
SSJIVINA	C	10
SSJI2OBT	C	8
SSOBSSJI	0	47

SSJS Heading Information

Common Name: JOB SELECT FUNCTION
Macro ID: IEFSSJS
DSECT Name: SSJS
Owning Component: SUBSYSTEM INTERFACE (SC1B6)
Eye-Catcher ID: NONE
Storage Attributes: Main Storage: NO
Virtual Storage: YES
Auxiliary Storage: YES
Subpool: DETERMINED BY CALLER OF IEFSSREQ
Key: DETERMINED BY CALLER OF IEFSSREQ
Data Space: NO
Residency: ANY
Size: 256 BYTES
Created by: CALLER OF IEFSSREQ
Pointed to by: - SSOBINDV
Serialization: NONE
Function: PROVIDES THE INPUT AND OUTPUT FOR THE JOB SELECT SSI FUNCTION.

SSJS Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	268	SSJS	
0	(0)	SIGNED	2	SSJSLEN	LENGTH OF SSJS
2	(2)	UNSIGNED	1	SSJSVER	SSJS VERSION NUMBER
3	(3)	UNSIGNED	1	*	RESERVED
4	(4)	SIGNED	2	SSJSSTEP	STEP NO. OR ZERO
6	(6)	BITSTRING	1	SSJSFLG1	JOB DESCRIPTOR BITS
		1...		SSJSSTRS	STEP RESTART
		.1..		SSJSCHRS	CHECKPOINT/RESTART
		..1.		SSJSCNRS	CONTINUE RESTART
		...1		*	RESERVED
		.... 1...		SSJSWARM	WARM START THE JOB
		.... .1..		SSJSAIFG	ALTERNATE INTERPRETER FLAG IF ON SELECT INTERPRETER ADDRESS FROM SSJSAIAD FIELD Y02886
		.... ..1.		SSJSSWAL	ABOVE THE LINE INDICATOR FOR SELECTED SWA CONTROL BLOCKS. IF ON SELECTED SWA CONTROL BLOCKS CAN RESIDE ABOVE THE LINE.
		1		SSJSSISO	BELOW THE LINE INDICATOR FOR SYSIN AND SYSOUT SWA CONTROL BLOCKS. IF ON SYSIN/SYSOUT SWA CONTROL BLOCKS MUST RESIDE BELOW THE LINE.
7	(7)	BITSTRING	1	SSJSFLG2	FLAGS
		1...		SSJSBYPS	BYPASS PASSWORD CHECKING
		.1..		SSJSXBM	XBM
		..1.		SSJSCRYP	PASSWORD ENCRYPTED
		...1		SSJSWLMI	WLM MANAGED INITIATOR
		.... 1...		SSJSSCCH	SRVCLASS FOR SELECTED JOB HAS BEEN CHANGED VIA $TJ OR *F J=.
		.... .1..		SSJSDBIN	DEMAND BATCH INITIATOR. ONLY SELECT JOBS WHICH HAVE BEEN FORCED INTO EXECUTION.
		.... ..1.		SSJSDBJB	SELECTED JOB IS A DEMAND BATCH JOB.
		1		SSJSJBRQ	JOB HAS BEEN REQUEUED FOR EXECUTION.
8	(8)	ADDRESS	4	SSJSLCT	ADDRESS OF THE LCT
12	(C)	ADDRESS	4	SSJSMACB	ADDRESS OF THE MESSAGE ACB
16	(10)	ADDRESS	4	SSJSJACB	ADDRESS OF THE JOURNAL ACB
20	(14)	ADDRESS	4	SSJSTACB	ADDRESS OF INTERNAL TEXT ACB

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SSJS Constants

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
24	(18)	ADDRESS	4	SSJSIPRM	ADDRESS OF PARAMETER FOR PHASE TWO OF THE INTERPRETER
28	(1C)	ADDRESS	4	SSJSJMR	JMR ADDRESS
32	(20)	SIGNED	4	SSJSSERR	SYSTEM ERROR RETURN CODE - FROM CONVERTER OR SWA CREATE
36	(24)	ADDRESS	4	SSJSAIAD	ALTERNATE INTERPRETER ADDRESS Y02886
40	(28)	CHARACTER	9	SSJSPASS	SECURITY PASSWORD FIELD
40	(28)	UNSIGNED	1	SSJSPSLN	PASSWORD LENGTH
41	(29)	CHARACTER	8	SSJSPSWD	SECURITY PASSWORD
49	(31)	CHARACTER	9	SSJSPAS2	NEW PASSWORD FIELD
49	(31)	UNSIGNED	1	SSJSPSL2	NEW PASSWORD LENGTH
50	(32)	CHARACTER	8	SSJSPSW2	NEW PASSWORD
58	(3A)	CHARACTER	8	SSJSCLSS	JES3 JOB CLASS
66	(42)	CHARACTER	8	SSJSJDVT	JCL DEFINITION VECTOR TABLE NAME
74	(4A)	CHARACTER	8	SSJSUSER	PROPAGATED USERID
82	(52)	CHARACTER	8	SSJSGRP	PROPAGATED GROUPID
90	(5A)	CHARACTER	80	SSJSUTOK	SECURITY TOKEN (THE LAYOUT OF THIS TOKEN IS DETERMINED BY THE SYSTEM SECURITY FACILITY SUCH AS RACF
170	(AA)	CHARACTER	2	SSJSRES2	RESERVED
172	(AC)	CHARACTER	16	SSJSWQTK	WLM BATCH JOB QUEUE TOKEN.
188	(BC)	ADDRESS	4	SSJSWECB	ADDRESS OF THE WLM ECB FOR THIS INITIATOR.
192	(C0)	BITSTRING	4	SSJSWCTK	WLM CLASSIFICATION TOKEN.
196	(C4)	SIGNED	4	SSJSPRTY	JOB PRIORITY USED FOR CLASSIFICATION.
200	(C8)	CHARACTER	8	SSJSSCLS	WLM SERVICE CLASS FOR THE JOB
208	(D0)	CHARACTER	16	SSJSSENV	WLM SCHEDULING ENVIRONMENT USED BY THIS JOB.
224	(E0)	CHARACTER	8	SSJSDBJI	JOBID OF DEMAND BATCH JOB REQUESTED.
232	(E8)	CHARACTER	24	SSJSRPTD	REPORTING DATA COLLECTED BY JES WHILE THE JOB WAS WAITING TO EXECUTE.
232	(E8)	CHARACTER	8	SSJSRHLD	DURATION JOB WAS INELIGIBLE FOR SELECTION DUE TO A HOLD.
240	(F0)	CHARACTER	8	SSJSRRSC	DURATION JOB WAS INELIGIBLE FOR SELECTION DUE TO UNSATISFIED RESOURCE REQUIREMENTS.
248	(F8)	CHARACTER	8	SSJSRTOC	DURATION JOB WAS IN CONVERSION.
256	(100)	UNSIGNED	4	SSJSSRTK	IWMCLSFY SRMTOKEN OUTPUT RETURNED TO JES WHEN THE JOB WAS CLASSIFIED.
260	(104)	CHARACTER	8	SSJSJPNM	JESPLEX NAME
268	(10C)	CHARACTER	0	*	END OF SSJS

SSJS Constants

Len	Type	Value	Name	Description
2	DECIMAL	5	SSOBJBSL	FUNCTION ID (SSOBFUNC)

Comment

SUBSYSTEM JOB SELECTION RETURN CODES (SSOBRETN)

End of Comment

4	DECIMAL	0	SSJSRTOK	OK-JOB HAS BEEN SELECTED
4	DECIMAL	4	SSJSISTP	INITIATOR SHOULD STOP
4	DECIMAL	8	SSJSIWLM	WLM ECB WAS POSTED
4	DECIMAL	16	SSJSYSER	SYSTEM ERROR OCCURRED DURING SUBSYSTEM PROCESSING - SYSTEM ERROR CODE IS IN SSJSSERR
4	DECIMAL	36	SSJSPERR	PROGRAM ERROR
1	DECIMAL	6	SSJSCVER	CURRENT VERSION NUMBER OF SSJS

SSJS Cross Reference

Name	Hex Offset	Hex Value
SSJS	0	
SSJSAIAD	24	
SSJSAIFG	6	04
SSJSBYPS	7	80
SSJSCHRS	6	40
SSJSCLSS	3A	
SSJSCNRS	6	20
SSJSCRYP	7	20
SSJSDBIN	7	04
SSJSDBJB	7	02
SSJSDBJI	E0	
SSJSFLG1	6	
SSJSFLG2	7	
SSJSGRP	52	
SSJSIPRM	18	
SSJSJACB	10	
SSJSJBRQ	7	01
SSJSJDVT	42	
SSJSJMR	1C	
SSJSJPNM	104	
SSJSLCT	8	
SSJSLEN	0	
SSJSMACB	C	
SSJSPASS	28	
SSJSPAS2	31	
SSJSPRTY	C4	
SSJSPSLN	28	
SSJSPSL2	31	
SSJSPSWD	29	
SSJSPSW2	32	
SSJSRES2	AA	
SSJSRHLD	E8	
SSJSRPTD	E8	
SSJSRRSC	F0	
SSJSRTOC	F8	
SSJSSCCH	7	08
SSJSSCLS	C8	
SSJSSENV	D0	
SSJSSERR	20	
SSJSSISO	6	01
SSJSSRTK	100	
SSJSSTEP	4	
SSJSSTRS	6	80
SSJSSWAL	6	02
SSJSTACB	14	
SSJSUSER	4A	
SSJSUTOK	5A	
SSJSVER	2	
SSJSWARM	6	08
SSJSWCTK	C0	
SSJSWECB	BC	
SSJSWLMI	7	10
SSJSWQTK	AC	
SSJSXBM	7	40

SSJT Heading Information

Common Name: Job Termination Function
Macro ID: IEFSSJT
DSECT Name: NONE
Owning Component: Initiator/Terminator (SC1B6)
Eye-Catcher ID: None
Storage Attributes: Subpool: ANY
Key: KEY OF CALLER OF SSI
Residency: ANY
Size: 22 (SSJTSIZE) BYTES
Created by: IEFSD166
Pointed to by: SSOBINDV FIELD OF THE SSOB DATA AREA
Serialization: NONE
Function: Parameter list for the subsystem interface
Job Termination Function

SSJT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	24	SSJT	
0	(0)	SIGNED	2	SSJTLEN	LENGTH OF SSJT

Comment

JOB STATUS INFORMATION

End of Comment

2	(2)	BITSTRING	1	SSJTFLG1	JOB STATUS FLAGS
		1...		SSJTJFAL	JOB FAILED INDICATOR
		.1..		SSJTCFAL	JOB FAILED BECAUSE OF CONDITION CODES
		..1.		SSJTABND	JOB ABENDED,JCTABEND=ON
		...1 1111		*	RESERVED
3	(3)	BITSTRING	1	SSJTFLG2	OTHER INFORMATION
		1...		SSJTINIT	INITIATOR TERMINATING BECAUSE OF INTERNAL PROBLEMS.
4	(4)	ADDRESS	4	SSJTJMR	JMR ADDRESS
8	(8)	ADDRESS	4	SSJTPCOD	PTR TO THE 2 BYTE CONDITION CODE OR ZERO
12	(C)	ADDRESS	4	SSJTPSN1	PTR TO THE STEPNAME OF THE ABENDING STEP, IF THE JOB ABENDED OR ZERO
16	(10)	ADDRESS	4	SSJTPSN2	PTR TO THE STEPNAME OF THE STEP WHICH CALLED THE PROC OR ZERO
20	(14)	ADDRESS	4	SSJTSNUM	PTR TO THE NUMBER OF THE LAST STEP TO COMPLETE EXECUTION.

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SSJT Constants

Len	Type	Value	Name	Description
2	DECIMAL	12	SSOBTERM	JOB DELETE FUNCTION ID (SSOBFUNC)
Comment				
JOB DELETION RETURN CODES (SSOBRETN)				
End of Comment				
4	DECIMAL	36	SSJTPERR	PROGRAM ERROR

SSJT Cross Reference

Name	Hex Offset	Hex Value
SSJT	0	
SSJTABND	2	20
SSJTCFAL	2	40
SSJTFLG1	2	
SSJTFLG2	3	
SSJTINIT	3	80
SSJTJFAL	2	80
SSJTJMR	4	
SSJTLEN	0	
SSJTPCOD	8	
SSJTPSN1	C	
SSJTPSN2	10	
SSJTSNUM	14	

SSL Programming Interface information

Programming Interface information

SSL

End of Programming Interface information

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SSL Heading Information

Common Name: SHORT PAGE SERVICE LIST
Macro ID: IHASSL
DSECT Name: SSL
Owning Component: REAL STORAGE MANAGER (SC1CR)
Eye-Catcher ID: NONE
Storage Attributes: Virtual Storage: YES
Subpool: USER SPECIFIED.
Key: USER SPECIFIED.
Residency: ANYWHERE
Size: 8 BYTES
Created by: USER
Pointed to by: REGISTER 1 (INPUT TO PAGE SERVICES)
Serialization: NONE
Function: DESCRIBES A RANGE OF VIRTUAL ADDRESSES TO BE PROCESSED BY EITHER FAST-PATH PAGE FIX OR PAGE FREE.

SSL Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SSL	, SSLPTR
0	(0)	ADDRESS	4	SSLSTRT	31-BIT START ADDRESS OF THE VIRTUAL AREA TO BE FIXED OR FREED. BIT 0 IS RESERVED AND MUST BE 0.
4	(4)	BITSTRING	1	SSLFLG (0)	
		1...		SSLAST	"X'80'" IF 1, THEN THIS IS THE LAST SSL IN THE CONCATENATION OF SSLS.
4	(4)	ADDRESS	4	SSLEND	31-BIT ADDRESS OF THE FINAL BYTE OF THE VIRTUAL AREA TO BE FIXED OR FREED PLUS ONE.
8	(8)	SIGNED	4	SSLFINIS (0)	THIS IS THE END OF THE SSL
8	(8)	X'8'	0	SSLLEN	"SSLFINIS-SSL" LENGTH OF AN SSL

SSNQ Heading Information

Common Name: SSOB Extension for Dynamic Allocation Change ENQ
Macro ID: IEFSSNQ
DSECT Name: SSNQ
Owning Component: Allocation/unallocation (SC1B4)
Subpool and Key: User subpool and key
Size: 20 bytes for SSOB plus 16 bytes for SSNQ
Created by: IEFAB4DC
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSNQ Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	16	SSNQ	
0	(0)	SIGNED	2	SSNQLEN	LENGTH OF SSNQ
2	(2)	SIGNED	2	SSNQRSV0	RESERVED
4	(4)	ADDRESS	4	SSNQDSNP	ADDR DSNAME BUFFER
8	(8)	ADDRESS	4	SSNQFLGP	ADDR FLAG FIELD
12	(C)	SIGNED	4	SSNQRSV1	RESERVED

SSNQ Constants

Len	Type	Value	Name	Description
2	DECIMAL	27	SSOBNQCD	CHANGE ENQ USE ATTRIBUTE FUNCTION ID

Comment

CHANGE ENQ USE ATTRIBUTE RETURN CODES (SSOBRETN)

End of Comment

4	DECIMAL	0	SSOBNQOK	ALLRIGHT TO ENQ TO CHANGE USE ATTRIBUTE
4	DECIMAL	4	SSOBNQNO	NOT CURRENTLY POSSIBLE TO CHANGE THE ENQ USE ATTRIBUTE

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SSNU Heading Information

Common Name: JES NOTIFY USER MSG SERVICE SSOB EXTENSION
Macro ID: N/A
DSECT Name: N/A
Owning Component: JES Common Library
Eye-Catcher ID: N/A
Offset: N/A
Length: N/A
Storage Attributes: Subpool: caller
Key: supervisor state
Size: see SSNUSIZE
RESIDENCY, REAL = any
VIRTUAL = any
FREQUENCY = 1 per call to function code 75
Created by: caller of SSI function 'SSOBSSNU' = 75
Pointed to by: SSOBINDV in the SSOB header.
Serialization: None
Function: This macro provides the mapping of the SSOB extension used to request service of the Notify User SSI-to send messages to other system destinations.

SSNU Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	X'4B'	0	SSOBSSNU	"75" JES Notify User Function ID

Comment

RETURN CODE VALUES FOR SSOBRETN

End of Comment

0	(0)	X'0'	0	SSNUOK	"0" Notify Request Successful
0	(0)	X'4'	0	SSNUOKB	"4" Notify Request Success BUT
0	(0)	X'8'	0	SSNUERR	"8" Notify Request Error see SSNUERCD for reason code
0	(0)	X'C'	0	SSNUNEX	"12" Notify no extension found

Comment

REASON CODE VALUES FOR SSNUERCD

End of Comment

0	(0)	X'0'	0	SSNURQOK	"0" Notify Request Successful
0	(0)	X'4'	0	SSNUMSGT	"4" Notify Successful BUT msg truncated
0	(0)	X'8'	0	SSNUEXC	"8" Exit cancelled notify
0	(0)	X'C'	0	SSNUNUSR	"12" No userid specified
0	(0)	X'10'	0	SSNUINVD	"16" Notify Invalid destination
0	(0)	X'14'	0	SSNUIVID	"20" Invalid SSNU extension id
0	(0)	X'18'	0	SSNUIVER	"24" Invalid SSNU version
0	(0)	X'1C'	0	SSNUNOST	"28" No storage to process req
0	(0)	X'20'	0	SSNUNOAU	"32" No authorization
0	(0)	X'24'	0	SSNUMSGE	"36" Error in msg specification

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SSNU Cross Reference

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					SSI SSOB Extension for Notify User Message Router-SSNU
					End of Comment
0	(0)	X'0'	0	SSNUBGN	"*"
0	(0)	CHARACTER	4	SSNUID	Extension Identifier
4	(4)	ADDRESS	2	SSNULEN	Length of SSOB Extensn area
6	(6)	BITSTRING	1	SSNUVER	Service Version Number
6	(6)	X'1'	0	SSNUCVER	"1" Service Version Number of IAZSSNU - Version 4.1.0 SSNUVER MUST = SSNUCVER
7	(7)	BITSTRING	1	SSNURSV1	Reserved
8	(8)	SIGNED	2	SSNUERCD	Reason code for Error RC
10	(A)	BITSTRING	1	SSNUFLG1	Flag Byte 1
		1...		SSNU1MLO	"X'80'" Send msg IFF user log'd on
11	(B)	BITSTRING	1	SSNURSV2	Reserved
12	(C)	ADDRESS	4	SSNUTKNA	Address of user token(opt)
16	(10)	CHARACTER	8	SSNUNODE	Receiving NODE name
24	(18)	CHARACTER	8	SSNUUSER	Receiving USERID
32	(20)	SIGNED	2	SSNUMLEN	Length of msg to be sent
34	(22)	SIGNED	2	SSNURSV4	Reserved
36	(24)	ADDRESS	4	SSNUMSG	Address of msg to be sent
40	(28)	SIGNED	4		Reserved for future use
44	(2C)	SIGNED	4		Reserved for future use
					Comment
					To allow for compatibility between versions, add new areas here.
					End of Comment
44	(2C)	X'30'	0	SSNUSIZE	"*-SSNUBGN" SSOB Extension length
44	(2C)	X'30'	0	SSNULEN8	"SSOBHSIZ+SSNUSIZE" Total SSOB Length w/NU Ext

SSNU Cross Reference

Name	Hex Offset	Hex Value
SSNUBGN	0	0
SSNUCVER	6	1
SSNUERCD	8	
SSNUERR	0	8
SSNUEXC	0	8
SSNUFLG1	A	
SSNUID	0	E2E2D5E4
SSNUINVD	0	10
SSNUIVER	0	18
SSNUIVID	0	14
SSNULEN	4	
SSNULEN8	2C	30
SSNUMLEN	20	
SSNUMSG	24	
SSNUMSGE	0	24
SSNUMSGT	0	4
SSNUNEX	0	C
SSNUNOAU	0	20
SSNUNODE	10	
SSNUNOST	0	1C
SSNUNUSR	0	C
SSNUOK	0	0
SSNUOKB	0	4
SSNURQOK	0	0
SSNURSV1	7	
SSNURSV2	B	
SSNURSV4	22	
SSNUSIZE	2C	30
SSNUTKNA	C	
SSNUUSER	18	
SSNUVER	6	
SSNU1MLO	A	80
SSOBSSNU	0	4B

SSOB Programming Interface Information

Programming Interface Information

SSOB

ONLY the following fields are part of the programming interface:

- SSOBFUNC
- SSOBHSIZ
- SSOBID
- SSOBINDV
- SSOBLEN
- SSOBRETN
- SSOBSSIB

End of Programming Interface Information

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SSOB Heading Information

Common Name: Subsystem Options Block
Macro ID: IEFSSOBH
DSECT Name: SSOB
Owning Component: Initiator/terminator (SC1B6)
Subpool and Key: User subpool and key
Size: Header is of fixed length 28 bytes. The extensions are of variable lengths.
Created by: Users of IEFSSREQ macro
Pointed to by: Register 1 at the time of the IEFSSREQ invocation.
Serialization: None
Function: Parameter list for the subsystem interface.

SSOB Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SSOB	
0	(0)	X'0'	0	SSOBEGIN	"*"
0	(0)	CHARACTER	4	SSOBID	CONTROL BLOCK IDENTIFIER
4	(4)	ADDRESS	2	SSOBLEN	LENGTH OF SSOB HEADER
6	(6)	SIGNED	2	SSOBFUNC	FUNCTION ID
8	(8)	ADDRESS	4	SSOBSSIB	ADDRESS OF SSIB OR ZERO
12	(C)	SIGNED	4	SSOBRETN	RETURN CODE FROM SUBSYSTEM

Comment

THE FOLLOWING RETURN CODES WILL BE RETURNED IN REGISTER 15
TO THE ISSUER OF THE IEFSSREQ MACRO -
SSOBRETN CONTAINS FUNCTION-RELATED RETURN CODES
(DEFINED IN EACH FUNCTION EXTENSION)

End of Comment

12	(C)	X'0'	0	SSRTOK	"0" SUCCESSFUL COMPLETION - REQUEST WENT TO A SUBSYSTEM.
12	(C)	X'4'	0	SSRTNSUP	"4" SUBSYSTEM DOES NOT SUPPORT THIS FUNCTION
12	(C)	X'8'	0	SSRTNTUP	"8" SUBSYSTEM EXISTS, BUT IS NOT UP
12	(C)	X'C'	0	SSRTNOSS	"12" SUBSYSTEM DOES NOT EXIST
12	(C)	X'10'	0	SSRTDIST	"16" FUNCTION NOT COMPLETED-DISASTROUS ERROR
12	(C)	X'14'	0	SSRTLERR	"20" LOGICAL ERROR (BAD SSOB FORMAT, INCORRECT LENGTH,...)
12	(C)	X'18'	0	SSRTNSSI	"24" SSI not initialized
16	(10)	SIGNED	4	SSOBINDV	FUNCTION DEPENDENT AREA POINTER
16	(10)	X'14'	0	SSOBADDL	"*" START OF LENGTHENED SSOB
20	(14)	ADDRESS	4	SSOBRETA	USED BY SSI TO SAVE RETURN ADDRESS OF 31 BIT MODE CALLERS
24	(18)	BITSTRING	1	SSOBFLG1	Flag Byte
		1...		SSOBRTRY	"X'80'" Retry Requested
25	(19)	CHARACTER	3	SSOBRSV1	RESERVED
25	(19)	X'1C'	0	SSOBHSIZ	"*-SSOBEGIN" SSOB HEADER LENGTH

SSOB Cross Reference

Name	Hex Offset	Hex Value
SSOB	0	
SSOBADDL	10	14
SSOBEGIN	0	0
SSOBFLG1	18	
SSOBFUNC	6	
SSOBHSIZ	19	1C
SSOBID	0	E2E2D6C2
SSOBINDV	10	
SSOBLEN	4	
SSOBRETA	14	
SSOBRETN	C	
SSOBRSV1	19	
SSOBRTRY	18	80
SSOBSSIB	8	
SSRTDIST	C	10
SSRTLERR	C	14
SSRTNOSS	C	C
SSRTNSSI	C	18
SSRTNSUP	C	4
SSRTNTUP	C	8
SSRTOK	C	0

SSPJ Heading Information

Common Name: Persistent JCL interface SSOB extension
Macro ID: IAZSSPJ
DSECT Name: SSPJ
Owning Component: JES Common (SC141)
Eye-Catcher ID: 'SSPJ'
Offset: 4
Length: 4
Storage Attributes: Subpool: Any
Key: Key of SSI caller
Residency: Any
Size: See the SSPJSIZE equate
Created by: Caller of SSI
Pointed to by: SSOBINDV in the IEFSSOBH mapping macro
Serialization: None required
Function: Defines the SSOB extension used to request persistent JCL functions from JES.

SSPJ Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'4D'	0	SSOBPJCL	"77" Function id (SSOBFUNC)
0	(0)	X'0'	0	SSPJ	"*" SSOB extension mapping - SSPJ
0	(0)	SIGNED	2	SSPJLEN	Length of extension
2	(2)	BITSTRING	1	SSPJVER	Version of mapping for caller
2	(2)	X'1'	0	SSPJCVER	"1" Current version
3	(3)	BITSTRING	1	SSPJREQ	Request code
3	(3)	X'1'	0	SSPJREG	"1" Register request
3	(3)	X'2'	0	SSPJDREG	"2" Deregister request
3	(3)	X'3'	0	SSPJREST	"3" Restart request
3	(3)	X'4'	0	SSPJQRY	"4" Query request
4	(4)	CHARACTER	4	SSPJID	SSOB extension id - "SSPJ"
8	(8)	SIGNED	4	SSPJRSN	Reason code
12	(C)	CHARACTER	8	SSPJGRP	JES XCF group name
20	(14)	CHARACTER	8	SSPJJTOK (0)	Job token
20	(14)	CHARACTER	4	SSPJJNUM	Job number
24	(18)	CHARACTER	4	SSPJJKEY	Job key
24	(18)	X'0'	0	SSPJDUMN	"0" Dummy job token - job number
24	(18)	BITSTRING	0	SSPJDUMK	"X'FFFFFFFF'" Dummy job token - job key
28	(1C)	CHARACTER	8	SSPJSTOK	Stoken (register only)
36	(24)	CHARACTER	8	SSPJJBID	Job id (register only)
44	(2C)	BITSTRING	1	SSPJCAUS	Deregister cause
44	(2C)	X'1'	0	SSPJOTHR	"1" Other restart
44	(2C)	X'2'	0	SSPJNORS	"2" No restart
44	(2C)	X'3'	0	SSPJTIME	"3" Timeout
45	(2D)	CHARACTER	3	SSPJRSV1	Reserved for future use
45	(2D)	X'30'	0	SSPJSIZE	"*-SSPJ" Length of SSPJ fixed header section

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SSPJ Cross Reference

Name	Hex Offset	Hex Value
SSOBPJCL	0	4D
SSPJ	0	0
SSPJCAUS	2C	
SSPJCVER	2	1
SSPJDREG	3	2
SSPJDUMK	18	FFFFFF
SSPJDUMN	18	0
SSPJGRP	C	
SSPJID	4	E2E2D7D1
SSPJJBID	24	
SSPJJKEY	18	
SSPJJNUM	14	
SSPJJTOK	14	
SSPJLEN	0	
SSPJNORS	2C	2
SSPJOTHR	2C	1
SSPJQRY	3	4
SSPJREG	3	1
SSPJREQ	3	
SSPJREST	3	3
SSPJRSN	8	
SSPJRSV1	2D	
SSPJSIZE	2D	30
SSPJSTOK	1C	
SSPJTIME	2C	3
SSPJVER	2	

SSRB Heading Information

Common Name: Suspended Service Request Block
Macro ID: IHASSRB
DSECT Name: SSRBSECT
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: SSRB
Offset: 0
Length: 4
Storage Attributes: Subpool: 239
Key: 0
Residency: Above 16M line
Size: 1432 bytes
Created by: IEAVESPM (SRB/SSRB Pool Management)
Pointed to by: SPL or service management queues
ASCBLSMQ field of the ASCB data area
ASCBLSPL field of the ASCB data area
SRBFLNK field of the SRB data area
SVTGSMQ field of the SVT data area
SVTGSPL field of the SVT data area
SVTLSMQ field of the SVT data area
SVTSSRBA field of the SVT data area
Serialization: Owner-serialized.
Function: Used to save PSW, registers, and FRR stack when an SRB has to be suspended for a page fault or locking purposes.

SSRB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SRBSECT	
0	(0)	ADDRESS	4	SRB (0)	
0	(0)	CHARACTER	4	SRBID	EBCDIC ACRONYM FOR SRB OR SSRB.
4	(4)	ADDRESS	4	SRBFLNK	FORWARD CHAIN FIELD
8	(8)	ADDRESS	4	SRBASCB (0)	PTR TO ASCB OF ADDRESS SPACE SRB IS TO BE DISPATCHED TO
8	(8)	BITSTRING	1		RESERVED. DO NOT USE.
9	(9)	ADDRESS	3	SRBASC24	24-bit ASCB address
12	(C)	CHARACTER	8	SRBFLC (0)	SRB AREA MOVED TO LOW CORE
12	(C)	BITSTRING	2	SRBCPAFF	CPU AFFINITY MASK
14	(E)	SIGNED	2	SRBPASID	PURGEDQ ASID IDENTIFIER
16	(10)	ADDRESS	4	SRBPTCB	PURGEDQ TCB IDENTIFIER
20	(14)	ADDRESS	4	SRBEP (0)	ENTRY POINT OF ROUTINE
20	(14)	ADDRESS	4	SRBEPA	ADDRESS OF ENTRY POINT (31-BIT USERS)
		1...		SRBMODE	"X'80'" ADDRESSING MODE INDICATOR
24	(18)	ADDRESS	4	SRBRMTR (0)	ADDRESS OF RESOURCE MANAGER ROUTINE
24	(18)	ADDRESS	4	SRBRMTRA	ADDRESS OF RESOURCE MANAGER ROUTINE (31-BIT USERS)
		1...		SRBRMODE	"X'80'" ADDRESSING MODE INDICATOR
28	(1C)	ADDRESS	4	SRBPARM	USER PARAMETER
32	(20)	ADDRESS	4	SRBWEB (0)	Address of this SRB's WEB. SERIALIZATION: None OWNERSHIP: Supervisor Control
32	(20)	ADDRESS	4	SRBSAVE	Reserved. Must be Zero. SERIALIZATION: None OWNERSHIP: Supervisor Control
36	(24)	BITSTRING	1	SRBPKF	PROTECT KEY INDICATION
37	(25)	BITSTRING	1	SRBPRIOR (0)	PRIORITY LEVEL INDIC
37	(25)	BITSTRING	1	SRBFLGS	SRB OPTION FLAGS
		1...		SRBLLREQ	"X'80'" LOCAL LOCK REQUIRED

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Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.1..		SRBLLHLD	"X'40'" LOCAL LOCK HELD
		..1.		SRBFRREQ	"X'20'" FRR REQUESTED
		...1		SRBFRRCL	"X'10'" THIS BIT IS OBSOLETE SINCE FRR PARM AREA ALWAYS CLEARED BY DISPATCHER. RETAINED FOR COMPATIBILITY.
		.... 1...		SRBSUSP	"X'08'" SUSPENDED SRB ONLY ON FOR SSRB
		.... .1..		SRBPNONQ	"X'04'" NON QUIESCABLE SRB
		....		SRBPSYS	"X'00'" SYSTEM PRIORITY LEVEL
38	(26)	BITSTRING	1	SRBHLHI	INDICATION OF SUSPEND LOCKS HELD AT SRB SUSPENSION
39	(27)	BITSTRING	1	SRBFLGS1	SRB TYPE FLAGS.
		1...		SRBMAIN	"X'80'" SRB/SSRB MUST BE FREEMAINED.
		.1..		SRBSP245	"X'40'" SRB/SSRB FROM SUBPOOL 245.
		..1.		SRBBLK24	"X'20'" SRB BELOW THE LINE
		...1		SRBXESF	"X'10'" Mode=primary FRR - only meaningful if SRBFRREQ is set.
		.... 1...		SRB1STS	"X'08'" This SSRB represents the initial schedule of a workunit and has never been dispatched.
		.... .1..		SRBPMCS	"X'04'" This SRB is in process-must complete mode
		.... ..1.		SRBMSCHD	"X'02'" This SRB was schduled via the IEAMSCHD macro
		1		SRBTOKNP	"X'01'" This SSRB belongs to the pool created for SUSPEND with SPTOKEN.
40	(28)	ADDRESS	4	SRBFRRA	FRR ROUTINE ADDRESS
44	(2C)	SIGNED	4	SRBEND (0)	END OF SRB
44	(2C)	X'2C'	0	SRBSIZE	"SRBEND-SRBSECT" SIZE OF SRB
0	(0)	X'0'	0	SSRBSECT	"SRBSECT" SET LABEL TO BEGINNING
44	(2C)	SIGNED	4		RESERVED
48	(30)	DBL WORD	8	SSRB (0)	START OF SAVE AREA PORTION
48	(30)	CHARACTER	32	SSRBFPRS (0)	FLOATING POINT REG SAVE
48	(30)	DBL WORD	8	SSRBFPR0	FLOATING POINT REG 0
56	(38)	DBL WORD	8	SSRBFPR2	FLOATING POINT REG 2
64	(40)	DBL WORD	8	SSRBFPR4	FLOATING POINT REG 4
72	(48)	DBL WORD	8	SSRBFPR6	FLOATING POINT REG 6
80	(50)	SIGNED	4	SSRBTRAN	PAGE FAULT ADDR(FLIH)
84	(54)	BITSTRING	2	SSRBSAFN	SAVED AFFINITY
86	(56)	BITSTRING	1	SSRBTYPE	Savearea for WEBTYPE when PSRBs, ESRBs or CSRBs are suspended or STOPped. Ownership: Supervisor Control Serialization: WEBLOCK of the WEB associated with this SSRB
87	(57)	CHARACTER	1	SSRBR057	RESERVED.
88	(58)	CHARACTER	64	SSRBGPRS (0)	GENERAL REGISTER SAVE
88	(58)	SIGNED	4	SSRBGPR0	GENERAL REGISTER 0
92	(5C)	SIGNED	4	SSRBGPR1	GENERAL REGISTER 1
96	(60)	SIGNED	4	SSRBGPR2	GENERAL REGISTER 2
100	(64)	SIGNED	4	SSRBGPR3	GENERAL REGISTER 3
104	(68)	SIGNED	4	SSRBGPR4	GENERAL REGISTER 4
108	(6C)	SIGNED	4	SSRBGPR5	GENERAL REGISTER 5
112	(70)	SIGNED	4	SSRBGPR6	GENERAL REGISTER 6
116	(74)	SIGNED	4	SSRBGPR7	GENERAL REGISTER 7
120	(78)	SIGNED	4	SSRBGPR8	GENERAL REGISTER 8
124	(7C)	SIGNED	4	SSRBGPR9	GENERAL REGISTER 9
128	(80)	SIGNED	4	SSRBGPRA	GENERAL REGISTER 10
132	(84)	SIGNED	4	SSRBGPRB	GENERAL REGISTER 11
136	(88)	SIGNED	4	SSRBGPRC	GENERAL REGISTER 12
140	(8C)	SIGNED	4	SSRBGPRD	GENERAL REGISTER 13
144	(90)	SIGNED	4	SSRBGPRE	GENERAL REGISTER 14
148	(94)	SIGNED	4	SSRBGPRF	GENERAL REGISTER 15
152	(98)	DBL WORD	8	SSRBCPSW	VALUE OF CURRENT PSW
160	(A0)	DBL WORD	8	SSRBCPUT	CPU TIMER SAVEAREA
		1...		SSRBNTMR	"X'80'" When set, this SSRB doesn't have any SRB Timer set. Only meaningful for preemptable-class SRBs.
168	(A8)	DBL WORD	8	SSRBTIME	SRB TIME LIMIT VALUE IF THIS SRB IS BEING TIMED, OTHERWISE ZERO.
176	(B0)	ADDRESS	4	SSRBXSB	ADDRESS OF EXTENDED STATUS BLOCK (XSB).
180	(B4)	ADDRESS	4	SSRBORMT	OLD SRB RMTR VALUE

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		1...		SSRBSSTD	"X'80'" SRB SUSPEND WITH TOKEN DISABLE BIT
		.1..		SSRBSSTA	"X'40'" SRB SUSPEND WITH TOKEN DISABLED BECAUSE SRB WAS ABENDED DURING PURGEDQ PROCESSING.
		..1.		SSRBSSTE	"X'20'" SRB SUSPEND WITH TOKEN DISABLED BECAUSE THIS SRB IS A SUSPEND EXIT.
184	(B8)	ADDRESS	4	SSRBLSA1	SAVEAREA FOR LCCACLSD.
188	(BC)	CHARACTER	4	SSRBR0BC	Reserved.
192	(C0)	ADDRESS	4	SSRBLSDP	VIRTUAL ADDRESS OF THE CURRENT LSED. IF SSRBLSDP IS 0 1. THE SRB DID NOT USE THE LINKAGE STACK, 2. SSRBLSA1 IS UNPREDICTABLE, AND 3. THE SSRB WILL BE DISPATCHED WITH AN EMPTY LINKAGE STACK.
196	(C4)	ADDRESS	4	SSRBALOV	DISPATCHABLE UNIT ACCESS LIST VIRTUAL ADDRESS.
200	(C8)	CHARACTER	64	SSRBARS	ACCESS REGISTER SAVEAREA
264	(108)	CHARACTER	64	SSRBDUCT	DUCT SAVEAREA
328	(148)	CHARACTER	984	SSRBFRRS	FRR STACK SAVEAREA.
1312	(520)	CHARACTER	4	SSRBR520	Reserved.
1316	(524)	SIGNED	4	SSRBSSD	Address of this SRB's SSD, if the SSRB is queued to an SSD.
1320	(528)	SIGNED	4	(0)	
1320	(528)	CHARACTER	2	SSRBR528	Reserved
1322	(52A)	CHARACTER	2	SSRBOPASID	Original Purge ASID. Similar in function to SSRBORMT.
1324	(52C)	ADDRESS	4	SSRBOPTCB	Original Purge TCB. Similar in function to SSRBORMT.
1328	(530)	ADDRESS	4	SSRBSUPFRR	Address of the Supervisor FRR Wrapper routine that is set for SYNCH(YES) SSRBs.
1332	(534)	CHARACTER	4	SSRBR534	Reserved
1336	(538)	CHARACTER	28	SSRBSUSPINFO (0)	This area is used to save information about the suspended work unit.
1336	(538)	SIGNED	1	SSRBSUSPWUTYPE	Type (same as WEBTYPE) of workunit suspended waiting for this SRB to complete.
1337	(539)	CHARACTER	3	SSRBR539	Reserved.
1340	(53C)	CHARACTER	16	SSRBSUSPTTOKEN (0)	TTOKEN of the TCB to resume when this SRB completes. ONLY valid when SSRBSUSPWUTYPE represents a "TCB".
1340	(53C)	CHARACTER	8	SSRBSUSPSTOKEN	STOKEN portion of the TTOKEN of the TCB to resume when this SRB completes. Valid for all SSRBSUSPWUTYPE types.
1348	(544)	CHARACTER	8	SSRBSUSPSPTOKEN	SPTOKEN of the SRB to resume when this SRB completes. ONLY valid when SSRBSUSPWUTYPE represents an "SSRB".
1356	(54C)	ADDRESS	4	SSRBSUSPRBADDR	Address of the RB that was suspended when the SYNCH(YES) caller was suspended. ONLY valid when SSRBSUSPWUTYPE represents an "SSRB".
1360	(550)	CHARACTER	4	SSRBSUSPRBRESUMETOKEN	RB Token for which to suspended task. ONLY valid when SSRBSUSPWUTYPE represents a "TCB".
1364	(554)	CHARACTER	24	SSRBSYNCHINFO (0)	This area is used to save the completion information about this SRB for the workunit that is to be resumed. This area is only valid if SSRBSUSPWUTYPE is nonzero. This area is used as the backend processing of IEAMSCHD SYNCH(YES) processing by IEAVSCHD to indicate to its caller the completion info of this SRB.
1364	(554)	SIGNED	4	SSRBSYNCHCOMP	Indicates the completion type for this SRB.
1368	(558)	ADDRESS	4	SSRBSYNCHCOMPADDR	Address of the storage to update with the completion type.
1372	(55C)	SIGNED	4	SSRBSYNCHCODE	Indicates the code associated with the completion type for this SRB.
1376	(560)	ADDRESS	4	SSRBSYNCHCODEADDR	Address of the storage to update with the associated code.

SSRB Cross Reference

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
1380	(564)	SIGNED	4	SSRBSYNCHRSN	Indicates the reason associated with the completion type for this SRB.
1384	(568)	ADDRESS	4	SSRBSYNCHRSNADDR	Address of the storage to update with the associated code.
1388	(56C)	CHARACTER	1	SSRBR56C (0)	Old label
1388	(56C)	CHARACTER	8	SSRBSUSPT6RBOPSW	RBOPSW from T6 SVC issuer
1396	(574)	SIGNED	4	SSRBSUSPT6FLAGS (0)	Flags
1396	(574)	CHARACTER	2		Flags
1398	(576)	SIGNED	2	SSRBSUSPT6HOMEASID	Home ASID
1400	(578)	ADDRESS	4	SSRBSUSPT6TASKWEB@	Suspended task's WEB addr
1404	(57C)	CHARACTER	12	SSRBR57C	Reserved.
1416	(588)	CHARACTER	100	SSRBAFPR	FPRs 1,3,5,7-15,FPCR
1516	(5EC)	BITSTRING	1	SSRBESSFL (0)	Extended saving flags
1516	(5EC)	BITSTRING	1	SSRBFPFL	FP Flags
		1...		SSRBBFP	"X'80'" Extended FP saving
1517	(5ED)	CHARACTER	3	SSRBR5ED	Reserved
1520	(5F0)	CHARACTER	64	SSRBG64H	High-order halves of GPRs
1584	(630)	BITSTRING	8	SSRBTRNE	ESAME page fault address
1592	(638)	DBL WORD	8	SSRBEND (0)	END OF SSRB.
1592	(638)	X'638'	0	SSRBLEN	"SSRBEND-SRBSECT" LENGTH OF SSRB AREA

SSRB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SRB	0		SRBSECT	0	
SRBASCB	8		SRBSIZE	2C	2C
SRBASC24	9		SRBSP245	27	40
SRBBLK24	27	20	SRBSUSP	25	8
SRBCPAFF	C		SRBTOKNP	27	1
SRBEND	2C		SRBWEB	20	
SRBEP	14		SRBXESF	27	10
SRBEPA	14		SRB1STS	27	8
SRBFLC	C		SSRB	30	
SRBFLGS	25		SSRBAFPR	588	
SRBFLGS1	27		SSRBALOV	C4	
SRBFLNK	4		SSRBARS	C8	
SRBFRRA	28		SSRBBFP	5EC	80
SRBFRRCL	25	10	SSRBCPSW	98	
SRBFRREQ	25	20	SSRBCPUT	A0	
SRBHLHI	26		SSRBDUCT	108	
SRBID	0		SSRBEND	638	
SRBLLHLD	25	40	SSRBESSFL	5EC	
SRBLLREQ	25	80	SSRBFPFL	5EC	
SRBMAIN	27	80	SSRBFPRS	30	
SRBMODE	14	80	SSRBFPR0	30	
SRBMSCHD	27	2	SSRBFPR2	38	
SRBPARM	1C		SSRBFPR4	40	
SRBPASID	E		SSRBFPR6	48	
SRBPKF	24		SSRBFRRS	148	
SRBPMCS	27	4	SSRBGPRA	80	
SRBPNONQ	25	4	SSRBGPRB	84	
SRBPRIOR	25		SSRBGPRC	88	
SRBPSYS	25	0	SSRBGPRD	8C	
SRBPTCB	10		SSRBGPRE	90	
SRBRMODE	18	80	SSRBGPRF	94	
SRBRMTR	18		SSRBGPRS	58	
SRBRMTRA	18		SSRBGPR0	58	
SRBSAVE	20		SSRBGPR1	5C	

Name	Hex Offset	Hex Value
SSRBGPR2	60	
SSRBGPR3	64	
SSRBGPR4	68	
SSRBGPR5	6C	
SSRBGPR6	70	
SSRBGPR7	74	
SSRBGPR8	78	
SSRBGPR9	7C	
SSRBG64H	5F0	
SSRBLEN	638	638
SSRBLSA1	B8	
SSRBLSDP	C0	
SSRBNTMR	A0	80
SSRBOPASID	52A	
SSRBOPTCB	52C	
SSRBORMT	B4	
SSRBR0BC	BC	
SSRBR057	57	
SSRBR5ED	5ED	
SSRBR520	520	
SSRBR528	528	
SSRBR534	534	
SSRBR539	539	
SSRBR56C	56C	
SSRBR57C	57C	
SSRBSAFN	54	
SSRBSECT	0	0
SSRBSSD	524	
SSRBSSTA	B4	40
SSRBSSTD	B4	80
SSRBSSTE	B4	20
SSRBSUPFRR	530	
SSRBSUSPINFO	538	
SSRBSUSPRBADDR	54C	
SSRBSUSPRBRESUMETOKEN	550	
SSRBSUSPSPTOKEN	544	
SSRBSUSPSTOKEN	53C	
SSRBSUSPTTOKEN	53C	
SSRBSUSPT6FLAGS	574	
SSRBSUSPT6HOMEASID	576	
SSRBSUSPT6RBOPSW	56C	
SSRBSUSPT6TASKWEB@	578	
SSRBSUSPWUTYPE	538	
SSRBSYNCHCODE	55C	
SSRBSYNCHCODEADDR	560	
SSRBSYNCHCOMP	554	
SSRBSYNCHCOMPADDR	558	
SSRBSYNCHINFO	554	
SSRBSYNCHRSN	564	
SSRBSYNCHRSNADDR	568	
SSRBTIME	A8	
SSRBTRAN	50	
SSRBTRNE	630	
SSRBTYPE	56	
SSRBXSB	B0	

SSRQ Heading Information

Common Name: SSOB Extension for Re-enqueue of a Job
Macro ID: IEFSSRQ
DSECT Name: SSRQ
Owning Component: Initiator/terminator (SC1B6)
Subpool and Key: User subpool and key
Size: 20 bytes for SSOB plus 8 bytes for SSRQ
Created by: IEFSD166
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSRQ Map

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	8	SSRQ	
0	(0)	SIGNED	2	SSRQLEN	LENGTH OF SSRQ
2	(2)	SIGNED	2	*	RESERVED
4	(4)	SIGNED	2	SSRQSTEP	STEP NUMBER
6	(6)	BITSTRING	1	SSRQFLG1	REASON FOR RE-ENQUEING
		1...		SSRQSTRS	STEP RESTART
		.1..		SSRQCHRS	CHECKPOINT RESTART
		..1.		SSRQCNRS	CONTINUE RESTART
		...1		SSRQHOLD	HOLD THE JOB
		 1111		*	RESERVED
7	(7)	CHARACTER	1	*	RESERVED

SSRQ Constants

Len	Type	Value	Name	Description
2	DECIMAL	13	SSOBRENQ	REENQUEUE A JOB FUNCTION ID (SSOBFUNC)

Comment

JOB REENQUEUE RETURN CODES (SSOBRETN)

End of Comment

4	DECIMAL	36	SSRQPERR	PROGRAM ERROR

SSRQ Cross Reference

Name	Hex Offset	Hex Value
SSRQ	0	
SSRQCHRS	6	40
SSRQCNRS	6	20
SSRQFLG1	6	
SSRQHOLD	6	10
SSRQLEN	0	
SSRQSTEP	4	
SSRQSTRS	6	80

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SSRR Programming Interface information

Programming Interface information

SSRR

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SSRR Heading Information

Common Name: SSOB Extension for Request/Return Job ID
Macro ID: IEFSSRR
DSECT Name: SSRR
Owning Component: JES2 (SC141)
Eye-Catcher ID: None
Storage Attributes: Subpool: User subpool
Key: User key
Residency: Any
Size: See SSRRSIZE equate @Z02P986
Created by: IEEMB803
SSI caller
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.
SSOB extension used for the REQUEST/RETURN JOBID function

SSRR Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'14'	0	SSOBRQST	"20" REQUEST JOB ID FUNCTION ID(SSOBFUNC)
0	(0)	X'15'	0	SSOBRTRN	"21" RETURN JOB ID FUNCTION ID(SSOBFUNC)

Comment

REQUEST/RETURN JOB ID RETURN CODES (SSOBRETN)

End of Comment

0	(0)	X'0'	0	SSRROK	"0" REQUEST/RETURN SUCCESSFUL
0	(0)	X'4'	0	SSRRFAIL	"4" REQUEST/RETURN UNSUCCESSFUL
0	(0)	X'8'	0	SSRRFREQ	"8" REQUEST WITHOUT A MATCHING RETURN
0	(0)	X'C'	0	SSRRFRET	"12" RETURN WITHOUT A MATCHING REQUEST
0	(0)	X'10'	0	SSRRNOEC	"16" BAD ECB SUPPLIED ON REQUEST CALL
0	(0)	X'14'	0	SSRRPRME	"20" Parameter list error
0	(0)	X'18'	0	SSRRJLGE	"24" JESLOG specfication error
0	(0)	X'24'	0	SSRRPERR	"36" PROGRAM ERROR

Comment

ADDITIONAL DATA FOR THIS EXTENSION

End of Comment

0	(0)	X'0'	0	SSRRBGN	"*"
0	(0)	ADDRESS	2	SSRRLEN	R/R EXTENSION LENGTH

Comment

To explicitly request that a joblog be created,
turn on SSRRJOBL. A joblog will NOT be created if
SSRRNJBL is on. An error condition exists if both
SSRRJOBL and SSRRNJBL are on. If both are off,
a joblog will be created by default.

End of Comment

2	(2)	BITSTRING	1	SSRRFLG1	SSRR FLAG BYTE

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		1...		SSRRJNMP	"X'80'" INPUT JOB NAME IS PRESENT
		.1..		SSRRUASC	"X'40'" USE JOB NAME IN ASCB
		..1.		SSRRSYSL	"X'20'" THIS IS THE SYSTEM LOG
		...1		SSRRJOBL	"X'10'" Allocate a joblog
		.... 1...		SSRRNJBL	"X'08'" Do not allocate a joblog (mutually exclusive with SSRRELIG and SSRRNOSP)
3	(3)	ADDRESS	1	SSRRVER	VERSION OF EXTENSION
3	(3)	X'2'	0	SSRRCVER	"2" Current Version
4	(4)	ADDRESS	4	SSRRSECB	REQUEST JOB ID STOP ECB POINTER
8	(8)	CHARACTER	8	SSRRJNM	INPUT JOB NAME
16	(10)	BITSTRING	3		Reserved for future use and must be zero
19	(13)	BITSTRING	5	SSRRLOG	JESLOG control information
19	(13)	BITSTRING	1	SSRRLFLG	Flags
		1...		SSRRELIG	"B'10000000'" Spin eligible (mutually exclusive with SSRRNJBL and SSRRNOSP)

Comment

SSRRTIMI, SSRRTIMD and SSRRLINE are mutually exclusive. If SSRRELIG is on and none of the three is on, that implies that an operator command can be used to spin output, but there is no automatic spinning. It is an error if any of the 3 bits are on and SSRRELIG is off.

End of Comment

		.1..		SSRRTIMI	"B'01000000'" Spin on time interval
		..1.		SSRRTIMD	"B'00100000'" Spin on time of day
		...1		SSRRLINE	"B'00010000'" Spin upon line delta
		.... 1...		SSRRNOSP	"B'00001000'" No Spin (mutually exclusive with SSRRELIG and SSRRNJBL)

Comment

EQU B'00000111' Reserved for future use

End of Comment

Comment

SSRRSVAL has one of the following values:

- o 0 if no bit on in SSRRLFLG or just SSRRELIG or SSRRNOSP is on.
- o Increment in minutes if SSRRTIMI on.
  Increment must be 10 minutes or more.
- o Number of minutes past midnight if SSRRTIMD on.
  The range is 0 through 23:59 (23 60+59).
- o Line delta if SSRRLINE on.
  The range is 500 through 999 million.

End of Comment

20	(14)	SIGNED	4	SSRRSVAL	Spin value
24	(18)	SIGNED	4	(4)	Reserved for future use and must be zero
24	(18)	X'28'	0	SSRRSIZE	"*-SSRRBGN" R/R EXTENSION LENGTH
24	(18)	X'28'	0	SSOBLENE	"SSOBHSIZ+SSRRSIZE"

SSRR Cross Reference

Name	Hex Offset	Hex Value
SSOBLENE	18	28
SSOBRQST	0	14
SSOBRTRN	0	15
SSRRBGN	0	0
SSRRCVER	3	2
SSRRELIG	13	80
SSRRFAIL	0	4
SSRRFLG1	2	0
SSRRFREQ	0	8
SSRRFRET	0	C
SSRRJLGE	0	18
SSRRJNM	8	40404040
SSRRJNMP	2	80
SSRRJOBL	2	10
SSRRLEN	0	
SSRRLFLG	13	
SSRRLINE	13	10
SSRRLOG	13	
SSRRNJBL	2	8
SSRRNOEC	0	10
SSRRNOSP	13	8
SSRROK	0	0
SSRRPERR	0	24
SSRRPRME	0	14
SSRRSECB	4	
SSRRSIZE	18	28
SSRRSVAL	14	
SSRRSYSL	2	20
SSRRTIMD	13	20
SSRRTIMI	13	40
SSRRUASC	2	40
SSRRVER	3	

SSSF Programming Interface Information

Programming Interface Information

SSSF

End of Programming Interface Information

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SSSF Heading Information

Common Name: Scheduler Facility Services SSI Extension
Macro ID: IAZSSSF
DSECT Name: IAZSSSF
Owning Component: SC1BH - JES2
Eye-Catcher ID: SSSF
Offset: 0
Length: 4
Storage Attributes: Subpool: caller
Key: caller required in supervisor state
Residency: VIRTUAL - any REAL - any FREQUENCY = One per call to function code 70
Size: SSSFHSZE + SSSFMRSZ
Created by: caller of SSI function 'SSOBSFS' (70)
Pointed to by: SSOBINDV in SSOB header
Serialization: none
Function: This macro provides the mapping of the SSOB extension used to make requests of a target subsystem's Scheduler Facility Services Processor. The requests are limited to services which can affect SUBSYSTEM MAINTAINED scheduler data, e.g.SWBTU data.

SSSF Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	X'46'	0	SSOBSFS	"70" Scheduler Facility Services

Comment

Scheduler Facility Services SSI RETURN CODES (SSOBRETN)
Any other values are values propagated from
installation exit 45.

End of Comment

0	(0)	X'0'	0	SSSFOK	"0" Request processed successfully
0	(0)	X'8'	0	SSSFUERR	"8" Request rejected,see reason code
0	(0)	X'C'	0	SSSFEXTE	"12" No Extension found
0	(0)	X'10'	0	SSSFNOST	"16" No storage to process reqst

Comment

Scheduler Facility Services SSI REASON CODES (SSSFREAS)
Any other values are values propagated from
installation exit 45.

End of Comment

0	(0)	X'10'	0	SSSFNOJ2	"16" JES2 not up and running
0	(0)	X'14'	0	SSSFINVF	"20" Invalid function request
0	(0)	X'18'	0	SSSFINVE	"24" Invalid SSSF extension
0	(0)	X'20'	0	SSSFNOAU	"32" No authorization for request
0	(0)	X'24'	0	SSSFINRI	"36" Invalid input to request
0	(0)	X'28'	0	SSSFEXC	"40" Exit cancelled request
0	(0)	X'2C'	0	SSSFDISA	"44" Scheduler Services disabled

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
					Scheduler Facility Services SSI FUNCTION REQUEST CODES.
				End of Comment	
0	(0)	X'4'	0	SSSFSWBM	"4" SWB modify of ouput descriptors
				Comment	
					Scheduler Facility Services SSI Extension Header
				End of Comment	
0	(0)	X'0'	0	SSSFBGN	"*"
0	(0)	CHARACTER	4	SSSFID	Acronym set to 'SSSF'
4	(4)	ADDRESS	2	SSSFLEN	SSSF SSOB extension length Equals Extension header and request dependent area
6	(6)	BITSTRING	1	SSSFRSV1	Reserved for JES2
7	(7)	BITSTRING	1	SSSFVER	Version number of IAZSSSF
7	(7)	X'1'	0	SSSFCVER	"1" Current version number of IAZSSSF - Version 4.2.0 SSSFVER MUST = SSSFCVER
8	(8)	SIGNED	2	SSSFREAS	SSSF Reason code
10	(A)	CHARACTER	1	SSSFREQF	Function request
11	(B)	BITSTRING	1	SSSFFLG1	Flag Byte-defined per request
12	(C)	SIGNED	4	SSSFRDA (0)	Request Dependent Area Begins here
12	(C)	X'C'	0	SSSFHSZE	"*-SSSFBGN" Header size
				Comment	
					SFS Modify Request Dependent Extension Area Reason Codes for Scheduler Request MODIFY (SSSFMREA)
				End of Comment	
12	(C)	X'0'	0	SSSFMOK	"0" Modify processing successful
12	(C)	X'4'	0	SSSFMTUE	"4" Modify/Erase TU error
12	(C)	X'8'	0	SSSFMJBE	"8" Modify jobname/jobid error
12	(C)	X'C'	0	SSSFMGRP	"12" Modify groupname error
12	(C)	X'10'	0	SSSFMNOS	"16" No storage to process request
				Comment	
					SSSFFLG1 BIT DEFINITIONS
				End of Comment	
		1...		SSSFDEST	"B'10000000'" Destination check indicator
12	(C)	CHARACTER	8	SSSFJBNM	JOBNAME
20	(14)	CHARACTER	8	SSSFJBID	JOBID
28	(1C)	CHARACTER	8	SSSFGRPN	Output group name
36	(24)	SIGNED	2	SSSFGRP1	Output group - first ID
38	(26)	SIGNED	2	SSSFGRP2	Output group - second ID
40	(28)	CHARACTER	8	SSSFCART	CART for WTO responses
48	(30)	SIGNED	4	SSSFCNID	Console ID for WTO responses
52	(34)	SIGNED	2	SSSFMREA	Error reason code for modify
54	(36)	SIGNED	2	SSSFMDR1	Reserved for IBM use
56	(38)	CHARACTER	8	SSSFMDR2	Reserved for IBM use Output descriptor lists are in SWBTU/TU format as required by the SCHEDULER JCL facility (SJF).
64	(40)	ADDRESS	4	SSSFMDAD	Address of output descriptor Modify list in SWBTU format
68	(44)	ADDRESS	4	SSSFERAD	Address of output descriptor Erase list in TU format
72	(48)	SIGNED	2	SSSFMDLN	Length of Modify list (SWBTU)
74	(4A)	SIGNED	2	SSSFERLN	Length of Erase list (TU)
74	(4A)	X'40'	0	SSSFMRSZ	"*-SSSFRDA" Size of modify function area

SSSF Cross Reference

Name	Hex Offset	Hex Value
SSOBSFS	0	46
SSSFBGN	0	0
SSSFCART	28	
SSSFCNID	30	
SSSFCVER	7	1
SSSFDEST	C	80
SSSFDISA	0	2C
SSSFERAD	44	
SSSFERLN	4A	
SSSFEXC	0	28
SSSFEXTE	0	C
SSSFFLG1	B	
SSSFGRPN	1C	
SSSFGRP1	24	
SSSFGRP2	26	
SSSFHSZE	C	C
SSSFID	0	E2E2E2C6
SSSFINRI	0	24
SSSFINVE	0	18
SSSFINVF	0	14
SSSFJBID	14	
SSSFJBNM	C	
SSSFLEN	4	
SSSFMDAD	40	
SSSFMDLN	48	
SSSFMDR1	36	
SSSFMDR2	38	
SSSFMGRP	C	C
SSSFMJBE	C	8
SSSFMNOS	C	10
SSSFMOK	C	0
SSSFMREA	34	
SSSFMRSZ	4A	40
SSSFMTUE	C	4
SSSFNOAU	0	20
SSSFNOJ2	0	10
SSSFNOST	0	10
SSSFOK	0	0
SSSFRDA	C	
SSSFREAS	8	
SSSFREQF	A	
SSSFRSV1	6	
SSSFSWBM	0	4
SSSFUERR	0	8
SSSFVER	7	

SSSI Heading Information

Common Name: SSOB Extension for Step Initiation
Macro ID: IEFSSSI
DSECT Name: SSSI
Owning Component: Initiator/terminator (SC1B6)
Subpool and Key: User subpool and key
Size: 20 bytes for SSOB plus 16 bytes for SSSI
Created by: IEFSD162
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSSI Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	16	SSSI	
0	(0)	SIGNED	2	SSSILEN	LENGTH OF SSSI
2	(2)	SIGNED	2	*	RESERVED

Comment

FOLLOWING FIELDS CONTAIN POINTERS TO THE INDICATED DATA,
NUMBERS IN PARENTHESES INDICATE LENGTH OF AREA POINTED TO.

End of Comment

4	(4)	ADDRESS	4	SSSIPSNM	FOR A NORMAL JOB, POINTER TO NAME ON THE 'EXEC PGM=' STATMENT. FOR A STARTED JOB, POINTER TO THE ID, UNIT TYPE, OR 'STARTING'. (8)
8	(8)	ADDRESS	4	SSSIPPSN	FOR A NORMAL JOB, POINTER TO NAME ON THE 'EXEC PROC=' STATEMENT (OR BLANKS). FOR A STARTED JOB, POINTER TO BLANKS. (8)
12	(C)	ADDRESS	4	SSSIPSNO	PTR TO STEP NUMBER(1)

SSSI Constants

Len	Type	Value	Name	Description
2	DECIMAL	22	SSOBNSSI	NOTIFY SUBSYSTEM OF STEP INITIATION

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SSSM Programming Interface information

Programming Interface information

SSSM

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SSSM Heading Information

Common Name: SUBSYSTEM ACCOUNTING PARAMETERS
Macro ID: IEFSSSM
DSECT Name: SSSM
Owning Component: System Management Facilities (SC100)
Eye-Catcher ID: None
Storage Attributes: Subpool: 241
Key: 0
Residency: Below
Size: 16 bytes ('10' in hex)
FREQUENCY = 1 per subsystem
Created by: IEEMB832
Pointed to by: SSOBINDV
Serialization: None
Function: THIS MACRO MAPS ADDITIONAL INFORMATION PASSED TO SUBSYSTEMS AS PART OF SMF'S SET PROCESSING

SSSM Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'3A'	0	SSOBSMAC	"58" SUBSYSTEM ACCOUNTING FUNCTION ID

Comment

SUBSYSTEM ACCOUNTING RETURN CODES (SSOBRETN)
NO ADDITIONAL SUBSYSTEM ACCOUNTING RETURN CODES DEFINED

End of Comment

0	(0)	X'0'	0	SSSMBGN	"*" SUBSYSTEM ACCOUNTING BEGINNING
0	(0)	ADDRESS	2	SSSMLEN	SUBSYSTEM ACCOUNTING EXTENSION LENGTH
2	(2)	BITSTRING	8	SSSMFLGS	INPUT SOURCE FLAGS
		1...		SSSMSMFA	"X'80'" SMF ACTIVE
		..1.		SSSMMEMB	"X'20'" FROM PARMLIB MEMBER
		...1		SSSMRPLY	"X'10'" FROM OPERATOR REPLY
		.... 1...		SSSMDFLT	"X'08'" FROM DEFAULT
		.... .1..		SSSMCONF	"X'04'" CHANGED BY CONFLICTING OPTIONS
		.... ..1.		SSSMCHNG	"X'02'" CHANGED BY IPL, SET SMF OR SETSMF
10	(A)	CHARACTER	1	SSSMOCON	OLD CONSOLE ID
11	(B)	CHARACTER	4	SSSMCNID	CONSOLE ID
15	(F)	CHARACTER	8	SSSTOKN	COMMAND & RESPONSE TOKEN
15	(F)	X'17'	0	SSSMSIZE	"*-SSSMBGN" EXTENSION LENGTH

SSSM Cross Reference

Name	Hex Offset	Hex Value
SSOBSMAC	0	3A
SSSMBGN	0	0
SSSMCHNG	2	2
SSSMCNID	B	
SSSMCONF	2	4
SSSMDFLT	2	8
SSSMFLGS	2	
SSSMLEN	0	
SSSMMEMB	2	20
SSSMOCON	A	
SSSMRPLY	2	10
SSSMSIZE	F	17
SSSMSMFA	2	80
SSSTOKN	F	

SSSO Programming Interface information

Programming Interface information

SSSO

The following fields are **NOT** programming interface information:

- SSSOFLG3
- SSSOFLG4
- SSSOGRID

End of Programming Interface information

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SSSO Heading Information

Common Name: SSOB Extension for Processing SYSOUT Datasets
Macro ID: IEFSSSO
DSECT Name: User specified, optional SSOBEXT if invoked including IEFJSSOB(SO),CONTIG=NO
Owning Component: Subsystem Interface (SC1B6)
Eye-Catcher ID: None
Storage Attributes: Subpool: Determined by invoker of IEFSSREQ
Key: Determined by invoker of IEFSSREQ
Size: X'B0' bytes with extended SYSOUT data fields (SOEXT=YES)
X'78' bytes without extended SYSOUT data fields
Created by: Invoker of IEFSSREQ macro
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the Subsystem Interface for processing sysout datasets.

SSSO Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'1'	0	SSOBSOUT	"1" SYSOUT FUNCTION ID (SSOBFUNC)
0	(0)	X'4'	0	SSSOCVER	"4" CURRENT VERSION NUMBER OF THIS DATA AREA
0	(0)	X'3'	0	SSSODDVR	"3" VERSION SINCE WHICH DD NAME IS DEFINED IN THE SSSO EXTENSION
0	(0)	X'4'	0	SSSOGRNM	"4" FIRST VERSION IN WHICH THE SSSOOGNM, SSSOFOR8 AND SSSOACCT FIELDS SUPPORTED

Comment

PROCESS SYSOUT DATA SETS RETURN CODES (SSOBRETN)

End of Comment

0	(0)	X'0'	0	SSSORTOK	"0" EVERYTHING IS OK
0	(0)	X'4'	0	SSSOEODS	"4" NO MORE DATA SETS TO SELECT
0	(0)	X'8'	0	SSSONJOB	"8" JOB NOT FOUND
0	(0)	X'C'	0	SSSOINVA	"12" INVALID SEARCH ARGUMENTS
0	(0)	X'10'	0	SSSOUNAV	"16" UNABLE TO PROCESS NOW
0	(0)	X'14'	0	SSSODUPJ	"20" DUPLICATE JOBNAMES
0	(0)	X'18'	0	SSSOINVJ	"24" INVALID JOBNAME/JOBID COMBINATION
0	(0)	X'1C'	0	SSSOIDST	"28" INVALID DESTINATION SPECIFIED
0	(0)	X'20'	0	SSSOAUTH	"32" AUTHORIZATION FAILED
0	(0)	X'24'	0	SSSOTKNM	"36" TOKEN MAP FAILED
0	(0)	X'0'	0	SSSOBGN	"*"
0	(0)	ADDRESS	2	SSSOLEN	SYSOUT EXTENSION LENGTH
2	(2)	BITSTRING	1	SSSOUFLG	USER SELECTION OPTIONS CLASS ROUTING AND DISPOSITION FLAGS
		1...		SSSOSETC	"X'80'" USE SSSOCLAS AS DISPOSITION
		.1..		SSSODELC	"X'40'" DELETE SELECTED DATA SET
		..1.		SSSOROUT	"X'20'" REROUTE SELECTED DATA SET TO DESTINATION IN SSSODEST
		...1		SSSOHOLD	"X'10'" HOLD ALL SELECTED DATA SETS
		.... 1...		SSSORLSE	"X'08'" RELEASE ALL SELECTED DATA SETS

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
		EQU X'07' RESERVED FLAGS			
					End of Comment
3	(3)	BITSTRING	1	SSSOVER	VERSION NUMBER
4	(4)	BITSTRING	1	SSSOFLG1	DATA SET SELECTION CONTROL FLAGS
		1...		SSSOHLD	"X'80'" SELECTION SHOULD INCLUDE HELD SYSOUT DATA SETS
		.1..		SSSOSCLS	"X'40'" USE CLASS
		..1.		SSSODST	"X'20'" USE REMOTE DESTINATION
4	(4)	X'20'	0	SSSOSDST	"SSSODST" ALTERNATE NAME FOR REMOTE DESTINATION
		...1		SSSOSJBN	"X'10'" USE JOB NAME
		.... 1...		SSSOSJBI	"X'08'" USE JOB ID
		.... .1..		SSSOSPGM	"X'04'" USE USER WRITER PROGRAM NAME
		.... ..1.		SSSOSFRM	"X'02'" USE FORM NUMBER
					Comment
		CAUTION. IF THE SSSOSFR8 BIT IS TURNED ON AND THE JES IS NOT AT THE LEVEL WHICH SUPPORTS 8 BYTE FORMS, THEN THE CALLER WILL GET UNPREDICTABLE RESULTS. THE JES WILL USE THE 4 BYTE FORMS CODE FOR SELECTION (SINCE SSSOSFRM IS ON).			
					End of Comment
		1		SSSOSFR8	"X'01'" USE 8 BYTE FORM NUMBER FIELD FOR SELECTION (SSSOSFRM MUST BE ON TOO)
5	(5)	BITSTRING	1	SSSOFLG2	CURRENT DATA SET DISPOSITION FLAGS
		1...		SSSOCTRL	"X'80'" 1 - PROCESSING COMPLETED 0 - RETURN DATA SET NAME
		.1..		SSSOCHKP	"X'40'" USE SSSORBA TO CHECKPOINT RBA OF CURRENT DATA SET IN CLASS
		..1.		SSSOEXTD	"X'20'" EXTENDED PROCESS SYSOUT REQUEST
		...1		SSSOPSEE	"X'10'" PROCESS SYSOUT EXTENSION EXISTS
		.... 1...		SSSODDST	"X'08'" DD NAME HAS BEEN SET IN EXT.
		.... .111		SSSORSV3	"X'07'" RESERVED FLAGS
6	(6)	SIGNED	2	SSSOCOPY	NUMBER OF COPIES
8	(8)	CHARACTER	8	SSSOJOBN	JOB NAME
16	(10)	CHARACTER	8	SSSOJOBI	JOB ID
24	(18)	CHARACTER	1	SSSOCLAS	NAME OF DESTINATION CLASS SPECIFIED VIA THE NEWCLASS PARAMETER
25	(19)	CHARACTER	2	SSSOMLRL	MAXIMUM LOGICAL RECORD LENGTH
27	(1B)	CHARACTER	1	SSSOFLGA	FLAG BYTE
		1...		SSSOWTRN	"X'80'" WRITER NAME
		.1..		SSSOUSER	"X'40'" USERID
28	(1C)	CHARACTER	8	SSSODEST	REMOTE DESTINATION SPECIFIED VIA THE DEST PARAMETER
36	(24)	CHARACTER	8	SSSOPGMN	USER WRITER NAME
44	(2C)	CHARACTER	8	SSSORBA	RBA OF SYSOUT DATA SET
52	(34)	CHARACTER	44	SSSODSN	SYSOUT DATA SET NAME
96	(60)	CHARACTER	4	SSSOFORM	FORM NUMBER (FIRST 4 BYTES IF 8 CHARACTER NUMBER)
					Comment
		SSSOCLSL WILL CONTAIN 1-8 CLASSES WHEN USED FOR REROUTING OR DELETE FUNCTIONS AND WILL CONTAIN ONLY ONE CLASS WHEN USED FOR PRINTING.			
					End of Comment
100	(64)	CHARACTER	8	SSSOCLSL	CLASS SELECTION LIST FOR DATA SET SELECTION

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
108	(6C)	ADDRESS	4	SSSOWTRC	A POINTER TO A COMMUNICATION YM02726 AREA FOR THE USER WRITTEN YM02726 WRITER YM02726
112	(70)	CHARACTER	8	SSSODSID	DATA SET ID TO PLACE SYSOUT ON EXTERNAL DEVICES

Comment

PROCESS SYSOUT EXTENSION

End of Comment

112	(70)	X'78'	0	SSSOPSE	"*" PROCESS SYSOUT EXTENSION
120	(78)	BITSTRING	1	SSSOFLG3	BDT CONTROL BYTE
		1...		SSSOSGID	"X'80'" SELECT BY GROUP IDENTIFIER
		.1..		SSSOJH	"X'40'" JOB HEADER
		..1.		SSSODSH	"X'20'" DATA SET HEADER
		...1		SSSODS	"X'10'" SYSOUT DATA SET
		.... 1...		SSSOJT	"X'08'" JOB TRAILER

Comment

EQU X'07' RESERVED

End of Comment

121	(79)	BITSTRING	1	SSSOFLG4	USER JOB OPTION FLAG
		1...		SSSOJDEL	"X'80'" DELETE SPECIFIED JOB
		.1..		SSSOJREL	"X'40'" RELEASE SPECIFIED JOB
		..1.		SSSOJHLD	"X'20'" HOLD SPECIFIED JOB

Comment

EQU X'1F' RESERVED
THE FIRST RELEASE OF SUPPORT FOR SECURITY TOKENS
PROVIDED THE FIELD SSSOSECT AS THE ADDRESS OF THE SECURITY
TOKEN AREA WHICH WAS TO BE PROVIDED BY THE CALLER. THERE
WAS NO REQUIREMENT THAT THE CALLER PROVIDE THE LENGTH OR
VERSION THAT WAS EXPECTED TO BE RETURNED. IT WAS ASSUMED
THAT THE CALLER WOULD PROVIDE AN AREA LARGE ENOUGH FOR THE
VERSION ONE FORM OF THE SAF TOKEN. THIS NEW SUPPORT WILL
ALLOW THE CALLER TO SPECIFY THE LENGTH AND VERSION OF THE
SAF TOKEN. THE TOKEN WILL BE TRANSFORMED FROM THE CURRENT
VERSION AND LENGTH TO THE VERSION AND LENGTH REQUESTED BY
THE CALLER VIA THE TOKENMAP SERVICE OF THE SAF INTERFACE.
IN ORDER TO ALLOW MIGRATION OF PROCESS SYSOUT USERS, A TWO
STAGE 'COMMIT' IS PROVIDED. THE PSO USER CAN ASK THAT THE
LENGTH AND VERSION IN THE AREA POINTED TO BY SSSOSECT BE
USED FOR TOKENMAP BY SETTING SSSOTKNR.
IF THE JES SERVICING THE REQUEST HAS HAD THE OTHER HALF
OF THIS UPDATE, IT WILL RETURN THE DATA IN THE REQUESTED
FORMAT AND SET SSSOTKNG THAT SAYS IT DID SO.
IF THE PROCESS SYSOUT USER DOES NOT ASK FOR THIS SERVICE,
(BY NOT SETTING SSSOTKNR), THE JES WILL COPY THE TOKEN TO
THE ADDRESS SPECIFIED IN SSSOSECT ASSUMING THAT THE LENGTH
OF THE AREA IS THE SAME AS THE SAF VERSION ONE TOKEN LENGTH

End of Comment

122	(7A)	BITSTRING	1	SSSOFLG5	FLAGS
		1...		SSSOTKNR	"X'80'" SAF TOKEN LEN/VER SET
		.1..		SSSOTKNG	"X'40'" SAF TOKEN TOKENMAPED
		..1.		SSSOGNVA	"X'20'" OUTPUT GROUP NAME PROVIDED

Comment

EQU X'1F' RESERVED

End of Comment

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
123	(7B)	CHARACTER	1	SSSORSV6	RESERVED
124	(7C)	CHARACTER	8	SSSOGRID	GROUP IDENTIFIER (FOR BDT TO JES3 COMMUNICATION ONLY)
132	(84)	SIGNED	4	SSSOLNCT	DATASET LINE COUNT
136	(88)	CHARACTER	8	SSSOPRCD	DATASET PROC NAME
144	(90)	CHARACTER	8	SSSOSTPD	DATASET STEP NAME
152	(98)	CHARACTER	8	SSSODDND	DATASET DD NAME
160	(A0)	ADDRESS	4	SSSOSECT	POINTER TO SECURITY TOKEN (SEE EXPLANATION OF SSSOFLG5 ABOVE)
164	(A4)	CHARACTER	8	SSSOFOR8	FORM NUMBER

Comment

THE FOLLOWING WORD (SSSOACCT) CONTAINS THE ADDRESS OF
A STRING OF ACCOUNTING INFORMATION. THE MEMORY POINTED
TO IS MANAGED BY THE JES SERVICING THE PSO REQUEST.
THE XWTR SHOULD HAVE AMODE 31 TO ACCESS THE MEMORY.
THE ACCOUNTING STRING HAS THE FOLLOWING FORMAT:
AL1(NUMBER-OF-PAIRS-THAT-FOLLOW)
  FOLLOWED BY 0 OR MORE ACCOUNTING PAIRS
ACCOUNTING PAIRS ARE OF THE FORM:
  AL1(LENGTH),C'STRING OF LENGTH "LENGTH"'
A LENGTH OF 0 INDICATES AN OMITTED FIELD

End of Comment

172	(AC)	ADDRESS	4	SSSOACCT	ADDRESS OF ACCOUNTING STRING (OR ZERO)

Comment

THE FOLLOWING FIELD HAS THE 26 CHARACTER JES2 JOE NAME
(JOB OUTPUT ELEMENT NAME). THE STRING CAN BE USED AS
GIVEN IN JES2 COMMANDS WHICH REQUIRE OUTGRP= SPECIFICATIONS.
FLAG SSSOGNVA (IN SSSOFLG5) IS SET IF THE FIELD IS VALID.
THE DATA SET RETURNED WITH A GIVEN OUTPUT GROUP NAME WILL
NOT NECESSARILY CONTINUE TO HAVE THE GIVEN OUTPUT GROUP NAME
IF THIS REQUEST (OR A LATER REQUEST) ASKS FOR HELD DATA SETS
(SSSOUFLG ON) AND DATA SET CHARACTERISTICS ARE CHANGED
(VIA A NON-ZERO SSSOUFLG).

End of Comment

176	(B0)	CHARACTER	26	SSSOOGNM	JES2 OUTPUT GROUP NAME
202	(CA)	CHARACTER	14		RESERVED FOR FUTURE USE
202	(CA)	X'D8'	0	SSSOSIZE	"*-SSSOBGN" SYSOUT EXTENSION LENGTH
202	(CA)	X'D8'	0	SSOBLEN1	"SSOBHSIZ+SSSOSIZE" SSOB LENGTH=HEADER + SYSOUT EXTENSION

SSSO Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SSOBLEN1	CA	D8	SSSODELC	2	40
SSOBSOUT	0	1	SSSODEST	1C	
SSSOACCT	AC		SSSODS	78	10
SSSOAUTH	0	20	SSSODSH	78	20
SSSOBGN	0	0	SSSODSID	70	
SSSOCHKP	5	40	SSSODSN	34	
SSSOCLAS	18		SSSODST	4	20
SSSOCLSL	64		SSSODUPJ	0	14
SSSOCOPY	6		SSSOEODS	0	4
SSSOCTRL	5	80	SSSOEXTD	5	20
SSSOCVER	0	4	SSSOFLGA	1B	
SSSODDND	98		SSSOFLG1	4	
SSSODDST	5	8	SSSOFLG2	5	
SSSODDVR	0	3	SSSOFLG3	78	

SSSO Cross Reference

Name	Hex Offset	Hex Value
SSSOFLG4	79	
SSSOFLG5	7A	
SSSOFORM	60	
SSSOFOR8	A4	
SSSOGNVA	7A	20
SSSOGRID	7C	
SSSOGRNM	0	4
SSSOHLD	4	80
SSSOHOLD	2	10
SSSOIDST	0	1C
SSSOINVA	0	C
SSSOINVJ	0	18
SSSOJDEL	79	80
SSSOJH	78	40
SSSOJHLD	79	20
SSSOJOBI	10	
SSSOJOBN	8	
SSSOJREL	79	40
SSSOJT	78	8
SSSOLEN	0	
SSSOLNCT	84	
SSSOMLRL	19	
SSSONJOB	0	8
SSSOOGNM	B0	
SSSOPGMN	24	
SSSOPRCD	88	
SSSOPSE	70	78
SSSOPSEE	5	10
SSSORBA	2C	
SSSORLSE	2	8
SSSOROUT	2	20
SSSORSV3	5	7
SSSORSV6	7B	
SSSORTOK	0	0
SSSOSCLS	4	40
SSSOSDST	4	20
SSSOSECT	A0	
SSSOSETC	2	80
SSSOSFRM	4	2
SSSOSFR8	4	1
SSSOSGID	78	80
SSSOSIZE	CA	D8
SSSOSJBI	4	8
SSSOSJBN	4	10
SSSOSPGM	4	4
SSSOSTPD	90	
SSSOTKNG	7A	40
SSSOTKNM	0	24
SSSOTKNR	7A	80
SSSOUFLG	2	
SSSOUNAV	0	10
SSSOUSER	1B	40
SSSOVER	3	
SSSOWTRC	6C	
SSSOWTRN	1B	80

SSST Programming Interface information

Programming Interface information

SSST

The following fields are **NOT** programming interface information:

- STATPERF
- STATSTBG
- STATSTCP
- STATSTHL
- STATSTID
- STATSTNX
- STATSTOR
- STATSTPL
- STATSTRP
- STATSTSP
- STATSTTL
- STATTKHL
- STATTKID
- STATTKNX
- STATTKPR
- STATTKRS
- STATTKR2
- STATTKSN
- STATTKTK
- STATTRKP

End of Programming Interface information

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SSST Heading Information

Common Name: SSOB Extension for Extended Status
Macro ID: IAZSSST
DSECT Name: STAT
Owning Component: JES Common (SC141)
Eye-Catcher ID: 'STAT'
Offset: 4
Length: 4
Storage Attributes: Subpool: any
Key: Key of SSI caller
Residency: Any
Size: See STATSIZE equate
Created by: Caller of SSI
Pointed to by: SSOBINDV in the IEFSSOBH mapping macro
Serialization: None required
Function: Defines the SSOB extension used to request status information for jobs in the JES queue.

SSST Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STAT	SSOB extension mapping - STAT

Comment

Extended Status return codes (SSOBRETN)

End of Comment

0	(0)	X'0'	0	STATRTOK	"0" Everything is ok
0	(0)	X'4'	0	STATINVA	"4" Invalid search arguments
0	(0)	X'8'	0	STATLERR	"8" Logic error (See the reason codes defined for STATREAS)
0	(0)	X'C'	0	STATINVT	"12" Unsupported call type (STATTYPE)
0	(0)	ADDRESS	2	STATLEN	I.Length of status extension
2	(2)	CHARACTER	4	STATEYE	I.Eye catcher

Comment

There are two 2 byte versions for this SSOB extension. STATVER is the version provided by the caller. They indicate the level of the control block they are passing to the service. As new input fields are added to the service, the caller provided version indicates what the service is to consider valid.
STATVERO is the version information returned from the service. This implies what fields the service actually examined and what data is returned. If the service is at a level higher than the level of the caller, STATVERO may be higher than STATVER. In this case, only the fields valid at the STATVER level are actually examined or set.
The 2 bytes of version information is a 1 byte level number (changed only when a new release adds significant function) and a 1 byte modifier (changed only when function is added via service).

End of Comment

6	(6)	SIGNED	2	STATVER (0)	I.SSOB version
6	(6)	ADDRESS	1	STATVERL	I.SSOB version level

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
7	(7)	ADDRESS	1	STATVERM	I.SSOB version modifier
7	(7)	BITSTRING	0	STATV010	"X'0100'" Initial version of macro
7	(7)	BITSTRING	0	STATV020	"X'0200'" WLM support
7	(7)	BITSTRING	0	STATV030	"X'0300'" Client print support
7	(7)	X'3'	0	STATCVRL	"3" Current version level
7	(7)	X'0'	0	STATCVRM	"0" Current version modifier
8	(8)	SIGNED	2	STATVERO	O.Subsystem version/modifier
10	(A)	SIGNED	1	STATREAS	O.Reason code associated with SSOBRETN value of STATLERR
10	(A)	X'4'	0	STATRDST	"4" STATDEST is not valid
10	(A)	X'8'	0	STATRJBL	"8" STATJBIL is not valid
10	(A)	X'C'	0	STATRJBH	"12" STATJBIH is not valid
10	(A)	X'10'	0	STATRJLM	"16" STATJBIH is less than STATJBIL
10	(A)	X'14'	0	STATRCLS	"20" STATCLSL is not a valid job class
10	(A)	X'18'	0	STATRVOL	"24" STATSVOL is set but STATVOL is null or STATVOL specifies an volume serial name that is not valid
10	(A)	X'1C'	0	STATRPHZ	"28" STATPHAZ is not valid or not supported on this subsystem
10	(A)	X'20'	0	STATRQUE	"32" Unable to access job queues
10	(A)	X'24'	0	STATREYE	"36" STATEYE is not set to C'STAT'
10	(A)	X'28'	0	STATRLEN	"40" STATLEN is too short
10	(A)	X'2C'	0	STATRJBN	"44" STATJOBN is not a valid job name
10	(A)	X'30'	0	STATROWN	"48" STATOWNR is not a valid userid
10	(A)	X'34'	0	STATRSYS	"52" STATSYS is not a valid system name
10	(A)	X'38'	0	STATRMEM	"56" STATMEMB is not a valid member name
10	(A)	X'3C'	0	STATRCST	"60" STATSEL2 specifies to select only non-batch jobs and batch job class filering (STATSCLS) was requested.
10	(A)	X'40'	0	STATROJB	"64" STATOJBI is not valid
10	(A)	X'44'	0	STATRSEC	"68" STATSECL is not valid
10	(A)	X'48'	0	STATRORG	"72" STATORGN is not valid
10	(A)	X'4C'	0	STATRXEQ	"76" STATXEQN is not valid
10	(A)	X'50'	0	STATRPRI	"80" STATPRIO is not valid
10	(A)	X'54'	0	STATRSVC	"84" STATSRVC is not valid
10	(A)	X'58'	0	STATRSEN	"88" STATSENV is not valid
10	(A)	X'5C'	0	STATRSCT	"92" STATCTKN is not valid
10	(A)	X'60'	0	STATRSCR	"96" STATSCRE is not valid
10	(A)	X'64'	0	STATRSSD	"100" STATSDES is not valid
10	(A)	X'68'	0	STATRSSC	"104" STATSCLA is not valid
10	(A)	X'6C'	0	STATRSXW	"108" STATSWTR is not valid
10	(A)	X'70'	0	STATRECJ	"112" STATSCTK & STATSJBI are mutually exclusive
11	(B)	SIGNED	1	STATREA2	Secondary reason code. This field can be used to further qualify an error.
12	(C)	BITSTRING	1	STATTYPE (0)	I.Type of call
12	(C)	X'1'	0	STATTERS	"1" Request type of Terse/Quick data to include only job level data. Data returned requires no I/O on behalf of the JES.

Comment

EQU 2 Reserved for future use

End of Comment

12	(C)	X'3'	0	STATMEM	"3" Request type of memory management The status support provided by the JES does memory management on behalf of the caller. When the caller is finished with the results of its Verbose or Terse request, a memory management call should be made in order that the memory allocated by the JES on behalf of the caller is released.
12	(C)	X'4'	0	STATOUTT	"4" Request type of Terse/quick data to include information on SYSOUT. Data returned requires no I/O on behalf of the JES. (only valid for STATV030 and above callers)
13	(D)	ADDRESS	3		Reserved for future use and must be zero

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					STATSTRP is an anchor for use by the subsystems that respond to this request. It is expected that the caller will set this to zero the FIRST time an SSOB extension is used and from that point on it will be managed by the subsystems.
					End of Comment
16	(10)	ADDRESS	4	STATSTRP	Storage management anchor
					Comment
					STATTRKP is a chain of diagnostic response areas built by the subsystems. It contains information about each subsystem that responds to a request (including individual return codes). It is expected that the caller will set this to zero the FIRST time an SSOB extension is used and from that point on it will be managed by the subsystems.
					End of Comment
20	(14)	ADDRESS	4	STATTRKP	Diagnostic response area anchor
					Comment
					Begin input-only fields
					End of Comment
24	(18)	BITSTRING	1	STATSEL1	IS.Job selection flags
		1...		STATSCLS	"B'10000000'" Use STATCLSL as a filter
		.1..		STATSDST	"B'01000000'" Use STATDEST as a filter
		..1.		STATSJBN	"B'00100000'" Use STATJOBN as a filter
		...1		STATSJBI	"B'00010000'" Use STATJBIL and STATJBIH as filters. Mutually exclusive with STATSCTK
		.... 1...		STATSOJI	"B'00001000'" Use STATOJBI as a filter
		.... .1..		STATSOWN	"B'00000100'" Use STATOWNR as a filter
		.... ..1.		STATSSEC	"B'00000010'" Use STATSECL as a filter
25	(19)	BITSTRING	1	STATSEL2	IS.More Job selection flags
		1...		STATSSTC	"B'10000000'" Select Started Tasks (STCs) (see note in STATSTYP)
		.1..		STATSTSU	"B'01000000'" Select Time Sharing Users (TSUs) (see note in STATSTYP)
		..1.		STATSJOB	"B'00100000'" Select batch jobs (JOBs) (see note in STATSTYP)
		...1		STATSAPC	"B'00010000'" Select APPC Initiator (see note in STATSTYP)
					Comment
					B'00001111' Reserved for future JOB types and must be zero
					End of Comment
		1111 1111		STATSTYP	"B'11111111'" If none of these bits is on, then selection will be as if ALL of the bits are on.
26	(1A)	BITSTRING	1	STATSEL3	IS.More job selection flags
		1...		STATSPRI	"B'10000000'" Use STATPRIO as a filter
		.1..		STATSVOL	"B'01000000'" Select Jobs based on the volume serial list in STATVOL
		..1.		STATSPHZ	"B'00100000'" Use STATPHAZ as a filter

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					Note: If the following two bits are both on or both off then the hold state of the job will not be considered.
					End of Comment
		...1		STATSHLD	"B'00010000'" Select jobs which are held
		.... 1...		STATSNHL	"B'00001000'" Select jobs which are not held
		.... .1..		STATSSYS	"B'00000100'" Select jobs which are active on STATSYS
		.... ..1.		STATSMEM	"B'00000010'" Select jobs which are active on STATMEMB
		1		STATSPOS	"B'00000001'" Return queue position information
27	(1B)	BITSTRING	1	STATSEL4	IS.More job selection flags
		1...		STATSORG	"B'10000000'" Use STATORGN as a filter
		.1..		STATSXEQ	"B'01000000'" Use STATXEQN as a filter
		..1.		STATSSRV	"B'00100000'" Use STATSRVC as a filter
		...1		STATSSEN	"B'00010000'" Use STATSENV as a filter
					Comment
		B'00001111' Reserved for future use			
					End of Comment
28	(1C)	BITSTRING	1	STATSSL1	IS.SYSOUT selection flag
		1...		STATSCTK	"B'10000000'" Use STATCTKN as a filter. Mutually exclusive with STATSJBI
		.1..		STATSSOW	"B'01000000'" Use STATSCRE as a filter
		..1.		STATSSDS	"B'00100000'" Use STATSDES as a filter
		...1		STATSSCL	"B'00010000'" Use STATSCLA as a filter
		.... 1...		STATSSWR	"B'00001000'" Use STATSWTR as a filter
					Comment
					STATSSHL and STATSSNH refer to the HOLD state of the SYSOUT. Hold in this case refers to the hold set by HOLD=YES on the DD card (or OUTDISP=HOLD on the OUTPUT card). Note: If the following two bits are both on or both off then the hold state of the SYSOUT will not be considered.
					End of Comment
		.... .1..		STATSSHL	"B'00000100'" Select held SYSOUT
		.... ..1.		STATSSNH	"B'00000010'" Select non-held SYSOUT
					Comment
		B'00000001' Reserved for future use			
					End of Comment
29	(1D)	BITSTRING	1		Reserved for future use and must be zero
30	(1E)	CHARACTER	8	STATJOBN	IS*.Jobname used for selection (if STATSJBN on).
38	(26)	CHARACTER	8	STATJBIL	IS.Low jobid used for selection (if STATSJBI on).
46	(2E)	CHARACTER	8	STATJBIH	IS.High jobid used for selection (if STATSJBI on). This value must be null or at least as high as STATJBIL.
54	(36)	CHARACTER	8	STATOJBI	IS.Original job id for selection (if STATSOJI on).
62	(3E)	CHARACTER	8	STATOWNR	IS*.Owning userid used for selection (if STATSOWN on)
70	(46)	CHARACTER	8	STATSECL	IS*.SECLABEL used for selection (if STATSSEC on)
78	(4E)	CHARACTER	18	STATDEST	IS*.Default print or punch destination value used for selection (if STATSDST on).
96	(60)	CHARACTER	8	STATORGN	IS.Origin node name for selection (if STATSORG on)
104	(68)	CHARACTER	8	STATXEQN	IS.Execution node name for selection (if STATSXEQ on)
112	(70)	CHARACTER	8	STATCLSL	IS.Job class used for selection. The job class is 1 to 8 characters in length

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
120	(78)	CHARACTER	6	STATVOL (4)	IS.List of SPOOL volume serial numbers. When STATSVOL is on, jobs are selected if and only if the job has output on at least one of the volumes listed. (JES2 only)
144	(90)	CHARACTER	8	STATSYS	IS*.MVS system name where job is active. Used for selection if STASSYS is on
152	(98)	CHARACTER	8	STATMEMB	IS*.JES member name where job is active. Used for selection if STASMEM is on
160	(A0)	BITSTRING	1	STATPRIO	IS.Job Priority used for selection (if STATSPRI is on)
161	(A1)	ADDRESS	1	STATPHAZ	IS.Job phase. When STATSPHZ is on jobs are selected if and only if they are in this phase.

Comment

Possible values for STATPHAZ

The following are job phases that are exist when the job is running under JES3.

End of Comment

161	(A1)	X'1'	0	STAT_NOSUB	"1" No subchain exists
161	(A1)	X'2'	0	STAT_FSSCI	"2" Active in CI in an FSS address space
161	(A1)	X'3'	0	STAT_PSCBAT	"3" Awaiting postscan (batch)
161	(A1)	X'4'	0	STAT_PSCDSL	"4" Awaiting postscan (demsel)
161	(A1)	X'5'	0	STAT_FETCH	"5" Awaiting volume fetch
161	(A1)	X'6'	0	STAT_VOLWT	"6" Awaiting start setup
161	(A1)	X'7'	0	STAT_SYSSEL	"7" Awaiting/active in MDS system select processing
161	(A1)	X'8'	0	STAT_ALLOC	"8" Awaiting resource allocation
161	(A1)	X'9'	0	STAT_VOLUAV	"9" Awaiting unavailable VOL(s)
161	(A1)	X'A'	0	STAT_VERIFY	"10" Awaiting volume mounts
161	(A1)	X'B'	0	STAT_SYSVER	"11" Awaiting/active in MDS system verify processing
161	(A1)	X'C'	0	STAT_ERROR	"12" Error during MDS processing
161	(A1)	X'D'	0	STAT_SELECT	"13" Awaiting selection on main
161	(A1)	X'E'	0	STAT_ONMAIN	"14" Scheduled on main

Comment

EQU 15 Reserved (obsolete - ASP)
EQU 16 Reserved (obsolete - ASP)

End of Comment

161	(A1)	X'11'	0	STAT_BRKDWN	"17" Awaiting breakdown
161	(A1)	X'12'	0	STAT_RESTRT	"18" Awaiting MDS restart proc.
161	(A1)	X'13'	0	STAT_DONE	"19" Main and MDS proc. complete
161	(A1)	X'14'	0	STAT_OUTPT	"20" Awaiting output service
161	(A1)	X'15'	0	STAT_OUTQUE	"21" Awaiting output service WTR
161	(A1)	X'16'	0	STAT_OSWAIT	"22" Awaiting rsvd services
161	(A1)	X'17'	0	STAT_CMPLT	"23" Output service complete
161	(A1)	X'18'	0	STAT_DEMSEL	"24" Awaiting selection on main (demand select job)
161	(A1)	X'19'	0	STAT_EFWAIT	"25" Ending function rq waiting or i/o completion
161	(A1)	X'1A'	0	STAT_EFBAD	"26" Ending function rq not Processed
161	(A1)	X'1B'	0	STAT_MAXNDX	"27" Maximum rq index value

Comment

The following are job phases that are exist when the job is running under JES2. Phases that are common between JES2 and JES3 are listed above and commented below.

End of Comment

161	(A1)	X'80'	0	STAT_INPUT	"128" Active in input processing

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
161	(A1)	X'81'	0	STAT_WTCONV	"129" Awaiting conversion
161	(A1)	X'82'	0	STAT_CONV	"130" Active in conversion

Comment

VOLWT EQU 6 Awaiting SETUP

End of Comment

161	(A1)	X'83'	0	STAT_SETUP	"131" Active in SETUP

Comment

SELECT EQU 13 Awaiting execution
ONMAIN EQU 14 Actively executing

End of Comment

161	(A1)	X'84'	0	STAT_SPIN	"132" Active in spin
161	(A1)	X'85'	0	STAT_WTBKDN	"133" Awaiting output

Comment

BRKDWN EQU 17 Active in output
OUTPT EQU 20 Awaiting hardcopy

End of Comment

161	(A1)	X'86'	0	STAT_WTPURG	"134" Awaiting purge
161	(A1)	X'87'	0	STAT_PURG	"135" Active in purge
161	(A1)	X'88'	0	STAT_RECV	"136" Active on NJE sysout receiver
161	(A1)	X'89'	0	STAT_WTXMIT	"137" Awaiting NJE transmission
161	(A1)	X'8A'	0	STAT_XMIT	"138" Active on NJE Job transmitter

Comment

The following are job phases are used for selection (STATPHAZ) and are composits of the other phases. The output field STTRPHAZ will never indicate a job is in this phase.

End of Comment

161	(A1)	X'FD'	0	STAT_EXEC	"253" Job has not completed execution
161	(A1)	X'FE'	0	STAT_POSTEX	"254" Job has completed execution

Comment

The following fields are only honored if the input version is at least version 2 and the JES processing the request is at least at a version 2 level of support.

End of Comment

162	(A2)	CHARACTER	8	STATSRVC	IS.WLM service class for selection (if STATSSRV is on)
170	(AA)	CHARACTER	16	STATSENV	IS*.WLM Scheduling environ for selection (if STATSSEN is on)
186	(BA)	BITSTRING	2		Reserved for future use and must be zero

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					Instead of passing data back to the processing routine in storage obtained by the subsystem, data can be passed to a processing routine one block at a time. The processing routine is given control in AMODE 31 with a PSW key and supervisor state of the caller of the SSI. The register convention are as follows: R0 n/a R1 STATPARM parm list address R2-R12 n/a R13 Available save area R14 return address R15 entry address Note: Even if you use a processing routine, you still must make a memory management call.
					End of Comment
188	(BC)	ADDRESS	4	STATRTN	I.Data processing routine
192	(C0)	SIGNED	4	STATRPRM	I.Routine parameter area
196	(C4)	SIGNED	4	(4)	Reserved for future use and must be zero
					Comment
					Begin output-only fields
					End of Comment
212	(D4)	ADDRESS	4	STATJOBF	O.Address of first Job Queue Element
216	(D8)	SIGNED	4	STATNRJQ	O.Number of jobs found
220	(DC)	SIGNED	4		Reserved for future use and must be zero
224	(E0)	DBL WORD	8	STATPERF	O.Performance index for last performed request
232	(E8)	SIGNED	4	(12)	Reserved for future use and must be zero.
280	(118)	DBL WORD	8	(0)	Ensure size Dword aligned
280	(118)	X'118'	0	STATSIZ1	"*-STAT" Original size of SSOB extension
280	(118)	X'118'	0	STATSIZ2	"*-STAT" Version 2 size of SSOB extension
					Comment
					Begin SYSOUT input only fields The following fields are only honored if the input version and the JES processing the request are at a STATV030 or higher level of support.
					End of Comment
280	(118)	ADDRESS	4	STATCTKN	IS. Address of client token for selection (if STATSCTK on).
284	(11C)	CHARACTER	8	STATSCRE	IS*.SYSOUT owner (creator) for selection (if STATSSOW is on).
292	(124)	CHARACTER	18	STATSDES	IS*.SYSOUT destination for selection (if STATSSDS is on).
310	(136)	CHARACTER	8	STATSCLA	IS. SYSOUT class for selection (if STATSSCL is on).
318	(13E)	CHARACTER	8	STATSWTR	IS*.SYSOUT writer name for selection (if STATSSWR is on).
326	(146)	BITSTRING	2		Reserved for future use and must be zero
328	(148)	SIGNED	4	(32)	Reserved for future use and must be zero
328	(148)	X'1C8'	0	STATSIZ3	"*-STAT" Version 3 size of SSOB extension
328	(148)	X'1C8'	0	STATSIZE	"*-STAT" Length of enhanced status SSOB ext
328	(148)	X'1C8'	0	SSSTLEN8	"SSOBHSIZ+STATSIZE" Total SSOB Length w/ST Ext

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSTOR	, Storage management DSECT
0	(0)	CHARACTER	8	STATSTID	Full eyecatcher
8	(8)	ADDRESS	2	STATSTHL	Length of header area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
10	(A)	ADDRESS	2		Reserved for future use
12	(C)	BITSTRING	1	STATSTSP	Subpool of area
12	(C)	X'E6'	0	STATSTPL	"230" Recommended subpool to use
13	(D)	ADDRESS	3	STATSTTL	Total length of area (this includes the header)
16	(10)	ADDRESS	4	STATSTNX	Pointer to next area
20	(14)	ADDRESS	4	STATSTCP	Pointer to 1st available byte in this area
24	(18)	ADDRESS	4	STATSTBG (0)	Start of data area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATTRAK	, Diagnostic data DSECT
0	(0)	CHARACTER	8	STATTKID	Full eyecatcher
8	(8)	ADDRESS	2	STATTKHL	Length of header area
10	(A)	BITSTRING	2	STATTKVR	Copy of STATVERO
12	(C)	ADDRESS	4	STATTKNX	Address of next area
16	(10)	CHARACTER	4	STATTKSN	Subsystem name
20	(14)	SIGNED	1	STATTKRS	Copy of STATREAS
		1111 1111		STATTKSK	"X'FF'" Reason code if member skipped
21	(15)	SIGNED	1	STATTKR2	Copy of STATREA2
22	(16)	BITSTRING	2		Reserved for future use
24	(18)	BITSTRING	8	STATTKTK	Token for use by subsystem
32	(20)	DBL WORD	8	STATTKPR	Copy of STATPERF
32	(20)	X'28'	0	STATTKND	"*" End of area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATPARM	, Routine parm list
0	(0)	SIGNED	2	STATPSIZ	Size of parameter list
2	(2)	BITSTRING	2	STATPVER	Copy of STATVERO
4	(4)	SIGNED	4	STATPPRM	Parm passed in STATRPRM
8	(8)	SIGNED	4	STATPWRK	Work area
12	(C)	ADDRESS	4	STATPELM	Addr of Job Queue Element
12	(C)	X'10'	0	STATPLEN	"*-STATPARM" Length of area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATJQ	, Job data section prolog
0	(0)	CHARACTER	4	STJQEYE	Eye catcher
4	(4)	ADDRESS	2	STJQOHDR	Offset to first section
6	(6)	BITSTRING	2		Reserved for future use
8	(8)	ADDRESS	4	STJQNEXT	Address of next Job Queue Element
12	(C)	ADDRESS	4	STJQSE	Address of first SYSOUT element
16	(10)	CHARACTER	4	STJQOSS	Name of Subsystem which created this Job Queue Element
20	(14)	ADDRESS	4		Reserved for future use
20	(14)	X'18'	0	STJQSIZE	"*-STATJQ" Size of prologue

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description

Comment

```
Section type flags
General conventions for section number assignment
Bits Value meaning
---- ----- ------------------------------------
0-1 00 job level section
    01 SYSOUT level section
2 0 quick/terse data section
    1 reserved
3-7 00000 overall header section
    xxxxx section number
```

End of Comment

....	....	STHD1HDR	"B'00000000'" First Header Section type
....	...1	STTRTERS	"B'00000001'" Job level terse section
....	..1.	STJ2TERS	"B'00000010'" JES2 Terse section type
....	..11	STAFFIN	"B'00000011'" Affinity section type
....	.1..	STSCHED	"B'00000100'" Scheduling section
.1..	....	STSH1HDR	"B'01000000'" First SYSOUT section type
.1..	...1	STSTTERS	"B'01000001'" SYSOUT level terse section
.1..	..1.	STS2TERS	"B'01000010'" JES2 SYSOUT section
.1..	..11	STS3TERS	"B'01000011'" JES3 SYSOUT section

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATJQHD	, Job data section header
0	(0)	ADDRESS	2	STHDLEN	Length of entire job header (Max value is 65535)
2	(2)	ADDRESS	1	STHDTYPE	Type of this header
3	(3)	ADDRESS	1	STHDMOD	Modifier
3	(3)	X'0'	0	STHD1MOD	"0" First Header Section modifier
3	(3)	X'4'	0	STHDSIZE	"*-STATJQHD" Size of First Header Section

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATJQTR	, Job data terse section
0	(0)	ADDRESS	2	STTRLEN	Length of terse section
2	(2)	ADDRESS	1	STTRTYPE	Type of this header
3	(3)	ADDRESS	1	STTRMOD	Modifier
3	(3)	X'0'	0	STTRTMOD	"0" Terse section modifier
4	(4)	CHARACTER	8	STTRNAME	Job Name
12	(C)	CHARACTER	8	STTRJID	Job Identifier
20	(14)	CHARACTER	8	STTROJID	Original Job Identifier
28	(1C)	CHARACTER	8	STTRCLAS	Job Class
36	(24)	CHARACTER	8	STTRONOD	Origin Node (node of submittal)
44	(2C)	CHARACTER	8	STTRXNOD	Execution Node
52	(34)	CHARACTER	8	STTRPRND	Default Print Node
60	(3C)	CHARACTER	8	STTRPRRE	Default Print Remote Name
68	(44)	CHARACTER	8	STTRPUND	Default Punch Node
76	(4C)	CHARACTER	8	STTRPURE	Default Punch Remote Name
84	(54)	CHARACTER	8	STTROUID	Owner userid
92	(5C)	CHARACTER	8	STTRSECL	SECLABEL for job
100	(64)	CHARACTER	8	STTRSYS	MVS system on which the job is active (blanks if not active)
108	(6C)	CHARACTER	8	STTRMEM	JES2 member on which the job is active (blanks if not active)
116	(74)	CHARACTER	18	STTRDEVN	Name of device job is active on (if job is active on a device)
134	(86)	ADDRESS	1	STTRPHAZ	Phase job is in (see STAT_ equates for an enumeration)
135	(87)	ADDRESS	1	STTRHOLD	Job hold indicator
135	(87)	X'1'	0	STTRJNHL	"1" Job is not held
135	(87)	X'2'	0	STTRJHLD	"2" Job is held
135	(87)	X'3'	0	STTRJDUP	"3" Job held for duplicate job name

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
136	(88)	ADDRESS	1	STTRJTYP	Job type
136	(88)	X'1'	0	STTRSTC	"1" Started Task (STC)
136	(88)	X'2'	0	STTRTSU	"2" Time Sharing User (TSU)
136	(88)	X'3'	0	STTRJOB	"3" Batch job (JOB)
136	(88)	X'4'	0	STTRAPPC	"4" APPC Initiator
137	(89)	BITSTRING	1	STTRPRIO	Job priority
138	(8A)	BITSTRING	1	STTRARMS	Jobs ARM status
		1...		STTRARMR	"B'10000000'" Job is ARM registered
		.1..		STTRARMW	"B'01000000'" Job is awaiting ARM restart
139	(8B)	BITSTRING	1	STTRMISC	Miscellaneous indicators
		1...		STTRMSPN	"B'10000000'" JESLOG is spinable

Comment

The max return code consists of a 1 byte indicator of how the job completed followed by a 3 byte code. The code is available only for conditions followed by a '+' sign. If the job ABENDed or failed in end of memory, either the first 12 bits of STTRMXCC are set to the System ABEND code or the last 12 bits are set to the user ABEND code. If the job ended by completion code, STTRMXCC is completion code of the last step executed.

End of Comment

140	(8C)	SIGNED	4	STTRMXRC (0)	Max return code
140	(8C)	BITSTRING	1	STTRXIND	Job completion indicator
		1...		STTRXAB	"X'80'" ABEND code exists
		.1..		STTRXCDE	"X'40'" Completion code exists

Comment

X'3F' Specific completion type

End of Comment

140	(8C)	X'0'	0	STTRXUNK	"0" No completion info
140	(8C)	X'1'	0	STTRXNRM	"1" Job ended normally +
140	(8C)	X'2'	0	STTRXCC	"2" Job ended by CC +
140	(8C)	X'3'	0	STTRXJCL	"3" Job had a JCL error
140	(8C)	X'4'	0	STTRXCAN	"4" Job was canceled
140	(8C)	X'5'	0	STTRXABN	"5" Job ABENDed +
140	(8C)	X'6'	0	STTRXCAB	"6" Converter ABENDed
140	(8C)	X'7'	0	STTRXSEC	"7" Security error
140	(8C)	X'8'	0	STTRXEOM	"8" Job failed in EOM +
141	(8D)	BITSTRING	3	STTRMXCC	Completion code (set for '+' conditions)
141	(8D)	X'90'	0	STTRSIZE	"*-STATJQTR" Size of Terse Information

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATJ2TR	, JES2 terse data area
0	(0)	ADDRESS	2	STJ2LEN	Length of JES2 terse section
2	(2)	ADDRESS	1	STJ2TYPE	Type of this header
3	(3)	ADDRESS	1	STJ2MOD	Modifier
3	(3)	X'0'	0	STJ2TMOD	"0" JES2 Terse section modifier
4	(4)	BITSTRING	1	STJ2FLG1	General flag byte
		1...		STJ21PRO	"B'10000000'" Job is protected
		.1..		STJ21IND	"B'01000000'" Job is set to independent mode
		..1.		STJ21SYS	"B'00100000'" Job represents a system data set
		...1		STJ21CNW	"B'00010000'" Job can be converted only by CNVT PCEs that can wait for OS resources

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
5	(5)	BITSTRING	3		Reserved for future use
8	(8)	BITSTRING	4	STJ2JKEY	Job key
12	(C)	BITSTRING	8	STJ2SPOL	Spool data token
20	(14)	SIGNED	4	STJ2SPAC	Number of track groups of spool space used by this job (if set to -1 then count not available)
20	(14)	X'18'	0	STJ2SIZE	"*-STATJ2TR" Length of section

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATAFFS	, Member affinity data area
0	(0)	ADDRESS	2	STAFLEN	Length of affinity section
2	(2)	ADDRESS	1	STAFTYPE	Type of this header
3	(3)	ADDRESS	1	STAFMOD	Modifier
3	(3)	X'0'	0	STAFTMOD	"0" Affinity section modifier
4	(4)	ADDRESS	2	STAFNUM	Number of member names
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	STAFMEMB (0)	First member name
8	(8)	X'8'	0	STAFSIZE	"*-STATAFFS" Length of basic section

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSCHD	, Scheduling data area
0	(0)	ADDRESS	2	STSCLEN	Length of scheduling data
2	(2)	ADDRESS	1	STSCTYPE	Type of this header
3	(3)	ADDRESS	1	STSCMOD	Modifier
3	(3)	X'0'	0	STSCTMOD	"0" Scheduling data modifier
4	(4)	BITSTRING	1	STSCAHLD	Reasons why job won't run
		1...		STSCJCLS	"B'10000000'" Job class held
		.1..		STSCJCLM	"B'01000000'" Job class limit reached
		..1.		STSCJSCH	"B'00100000'" Scheduling environment
		...1		STSCJAFF	"B'00010000'" System affinity
		.... 1...		STSCJSPL	"B'00001000'" SPOOLs not available
		.... .1..		STSCJBSY	"B'00000100'" Job busy on device
		1		STSCNOSY	"B'00000001'" No system with the right combination of resources
5	(5)	BITSTRING	1	STSCFLG1	Flag byte
		1...		STSC1JCM	"B'10000000'" Jobclass mode of JQE Off = JES, On = WLM
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	STSCSRVC	WLM service class

Comment

```
-------------------------------------------------------------
      STSCESTT is the estimated time to execution. This
      value is only available if the following are true:
       - Job is awaiting execution
       - Job is scheduled to a WLM managed job class
       - Job is not held (duplicate job name, operator
         hold, etc)
       - Member it has affinity to is available
       - The scheduling environment is available
-------------------------------------------------------------
```

End of Comment

16	(10)	SIGNED	4	STSCESTT	Estimated time to execution in seconds
20	(14)	CHARACTER	16	STSCSENV	WLM Scheduling environment

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment

```
-----------------------------------------------------------
    STSCQPOS is the position of the job on the WLM
    service class queue. STSCQNUM is the total number
    of jobs on the service class queue. Jobs which
    are not currently eligible to execute are not
    included in these counts. The count values are
    only returned if the flag STATSPOS is set in
    STATSEL3 on input.
    These values are only set to a non-zero value
    when the following are true:
     - Job is awaiting execution
     - Job is scheduled to a WLM managed job class
     - Job is not held (job hold or class queue hold)
     - Member it has affinity to is available
     - The scheduling environment is available
-----------------------------------------------------------
```

					End of Comment
36	(24)	SIGNED	4	STSCQPOS	Position of this job on WLM service class queue
40	(28)	SIGNED	4	STSCQNUM	Number of jobs on WLM WLM service class queue
44	(2C)	SIGNED	4	STSCQACT	Number of active jobs in this WLM service class
					Comment

```
-----------------------------------------------------------
    STSCAVGQ and STSCQDLY are the component parts used
    in calculating the estimated time to execution,
    and are set only when STSCESTT is also set.
-----------------------------------------------------------
```

					End of Comment
48	(30)	SIGNED	4	STSCAVGQ	Average queue time for this job's srvclass in seconds
52	(34)	SIGNED	4	STSCQTIM	Queue time for this job in TOD clock units (bit 31 = 1.04... seconds)
52	(34)	X'38'	0	STSCSIZE	"*-STATSCHD" Length of basic section

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSCHS	, Schedule systems section
0	(0)	ADDRESS	2	STSSLEN	Length of sched sys section
2	(2)	ADDRESS	1	STSSTYPE	Type of this header
3	(3)	ADDRESS	1	STSSMOD	Modifier
3	(3)	X'1'	0	STSSTMOD	"1" Schedulable system section
4	(4)	ADDRESS	2	STSSNUM	Number of system names
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	STSSSYS (0)	First system name
8	(8)	X'8'	0	STSSSIZE	"*-STATSCHS" Length of basic section

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSE	, SYSOUT data section prolog
0	(0)	CHARACTER	4	STSEEYE	Eye catcher
4	(4)	ADDRESS	2	STSEOHDR	Offset to first section
6	(6)	BITSTRING	2		Reserved for future use
8	(8)	ADDRESS	4	STSEJNXT	Address of next SYSOUT data element
12	(C)	ADDRESS	4	STSEJOB	Address of associated job queue data element
16	(10)	ADDRESS	4		Reserved for future use
16	(10)	X'14'	0	STSESIZE	"*-STATSE" Size of prologue

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSEHD	, SYSOUT section header
0	(0)	ADDRESS	2	STSHLEN	Length of entire SYSOUT header (Max value is 65535)
2	(2)	ADDRESS	1	STSHTYPE	Type of this header
3	(3)	ADDRESS	1	STSHMOD	Modifier
3	(3)	X'0'	0	STSH1MOD	"0" 1st Header Section modifier
3	(3)	X'4'	0	STSHSIZE	"*-STATSEHD" Size of 1st Header Section

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSETR	, SYSOUT terse section
0	(0)	ADDRESS	2	STSTLEN	Length of terse section
2	(2)	ADDRESS	1	STSTTYPE	Type of this header
3	(3)	ADDRESS	1	STSTMOD	Modifier
3	(3)	X'0'	0	STSTTMOD	"0" Terse section modifier
4	(4)	CHARACTER	8	STSTOUID	SYSOUT owner (creator)
12	(C)	CHARACTER	8	STSTSECL	SECLABEL for SYSOUT
20	(14)	CHARACTER	18	STSTDEST	SYSOUT destination
38	(26)	CHARACTER	8	STSTCLAS	SYSOUT class
46	(2E)	SIGNED	4	STSTNREC	Record count
50	(32)	SIGNED	4	STSTPAGE	Page count
54	(36)	SIGNED	4	STSTLNCT	Line count
58	(3A)	SIGNED	4	STSTBYCT (2)	Byte count after blank truncation 63 bit right justified
66	(42)	CHARACTER	8	STSTFORM	Forms
74	(4A)	CHARACTER	8	STSTFCB	FCB
82	(52)	CHARACTER	8	STSTUCS	UCS
90	(5A)	CHARACTER	8	STSTXWTR	External writer name
98	(62)	CHARACTER	8	STSTPMDE	Processing mode
106	(6A)	CHARACTER	8	STSTFLSH	Flash
114	(72)	CHARACTER	4	STSTCHAR (4)	Printer translate table
130	(82)	CHARACTER	4	STSTMODF	MODIFY=(modname)
134	(86)	BITSTRING	1	STSTMODC	MODIFY=(,trc)
135	(87)	BITSTRING	3		Reserved for future use
138	(8A)	CHARACTER	8	STSTSYS	MVS system on which the SYSOUT is active (blanks if not active)
146	(92)	CHARACTER	8	STSTMEM	JES member on which the SYSOUT is active (blanks if not active)
154	(9A)	CHARACTER	18	STSTDEVN	Name of device on which the SYSOUT is active (blanks if not active)
172	(AC)	BITSTRING	1	STSTHSTA	SYSOUT hold state
		1...		STSTHOPR	"B'10000000'" SYSOUT is held due to operator command
		.1..		STSTHUSR	"B'01000000'" SYSOUT is currently held (eg HOLD=YES on the DD or OUTDISP=HOLD or LEAVE)
		..1.		STSTHSYS	"B'00100000'" SYSOUT is in a system hold (see STSTHRSN for reason).
		...1		STSTHTSO	"B'00010000'" SYSOUT is held for TSO, JES3 only
		.... 1...		STSTHXWT	"B'00001000'" SYSOUT is held for external writer. JES3 only
173	(AD)	BITSTRING	1	STSTHRSN	Reason for system hold (see fields OHLDJxxx in IAZOHLD for meaning)
174	(AE)	BITSTRING	1	STSTDISP	Output disposition
		1...		STSTDHLD	"B'10000000'" OUTDISP=HOLD
		.1..		STSTDLVE	"B'01000000'" OUTDISP=LEAVE
		..1.		STSTDWRT	"B'00100000'" OUTDISP=WRITE
		...1		STSTDKEP	"B'00010000'" OUTDISP=KEEP
175	(AF)	BITSTRING	1	STSTFLG1	General flag byte
		1...		STST1BRT	"B'10000000'" BURST=YES
		.1..		STST1DSI	"B'01000000'" 3540 held data set
		..1.		STST1IPA	"B'00100000'" Destination has an IPADDR
		...1		STST1CPD	"B'00010000'" Schedulable element has page mode data
		.... 1...		STST1SPN	"B'00001000'" SPIN data set
176	(B0)	BITSTRING	1	STSTPRIO	SYSOUT priority

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					The SYSOUT identifier (STSTSOID) is a EBCDIC value associated with this SYSOUT that can be used in operator commands. The exact contents vary based on whether JES2 or JES3 owns the SYSOUT and the release of JES processing the SSI request.
					End of Comment
177	(B1)	CHARACTER	44	STSTSOID	EBCDIC SYSOUT identifier
					Comment
					The SYSOUT client token (STSTCTKN) is a token that can be used on various APIs to access a specific piece of SYSOUT. The token returned may NOT be the same as the one returned on a SYSOUT allocation or used in ENF processing. It may also be different from the TOKEN passed for selection in STATCTKN. If you are tracking SYSOUT with a token received from allocation, do NOT replace it with this token.
					End of Comment
221	(DD)	BITSTRING	80	STSTCTKN	SYSOUT client token
221	(DD)	X'12D'	0	STSTSIZE	"*-STATSETR" Size of Terse Information

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSJ2T	, JES2 terse data area
0	(0)	ADDRESS	2	STS2LEN	Len of JES2 terse section
2	(2)	ADDRESS	1	STS2TYPE	Type of this header
3	(3)	ADDRESS	1	STS2MOD	Modifier
3	(3)	X'0'	0	STS2TMOD	"0" JES2 Terse section modifier
4	(4)	BITSTRING	1	STS2FLG1	General flags
		1...		STS21DSH	"B'10000000'" JOE has been cloned (all data sets must be processed identically by SAPI)
		.1..		STS21TSO	"B'01000000'" JOE is available for TSO OUTPUT processing
5	(5)	CHARACTER	26	STS2OGNM	SYSOUT group name
31	(1F)	BITSTRING	4	STS2CRTM	JOE creation time (STCK format)
31	(1F)	X'23'	0	STS2SIZE	"*-STATSJ2T" Length of section

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSJ3T	, JES3 terse data area
0	(0)	ADDRESS	2	STS3LEN	Len of JES3 terse section
2	(2)	ADDRESS	1	STS3TYPE	Type of this header
3	(3)	ADDRESS	1	STS3MOD	Modifier
3	(3)	X'0'	0	STS3TMOD	"0" JES3 Terse section modifier
4	(4)	BITSTRING	1	STS3FLG1	General flags
		1...		STS31XSY	"B'10000000'" Extended keywords used
4	(4)	X'5'	0	STS3SIZE	"*-STATSJ3T" Length of section

SSST Cross Reference

Name	Hex Offset	Hex Value
SSSTLEN8	148	1C8
STAFFIN	14	3
STAFLEN	0	0
STAFMEMB	8	
STAFMOD	3	
STAFNUM	4	
STAFSIZE	8	8
STAFTMOD	3	0
STAFTYPE	2	
STAT	0	
STAT_ALLOC	A1	8
STAT_BRKDWN	A1	11
STAT_CMPLT	A1	17
STAT_CONV	A1	82
STAT_DEMSEL	A1	18
STAT_DONE	A1	13
STAT_EFBAD	A1	1A
STAT_EFWAIT	A1	19
STAT_ERROR	A1	C
STAT_EXEC	A1	FD
STAT_FETCH	A1	5
STAT_FSSCI	A1	2
STAT_INPUT	A1	80
STAT_MAXNDX	A1	1B
STAT_NOSUB	A1	1
STAT_ONMAIN	A1	E
STAT_OSWAIT	A1	16
STAT_OUTPT	A1	14
STAT_OUTQUE	A1	15
STAT_POSTEX	A1	FE
STAT_PSCBAT	A1	3
STAT_PSCDSL	A1	4
STAT_PURG	A1	87
STAT_RECV	A1	88
STAT_RESTRT	A1	12
STAT_SELECT	A1	D
STAT_SETUP	A1	83
STAT_SPIN	A1	84
STAT_SYSSEL	A1	7
STAT_SYSVER	A1	B
STAT_VERIFY	A1	A
STAT_VOLUAV	A1	9
STAT_VOLWT	A1	6
STAT_WTBKDN	A1	85
STAT_WTCONV	A1	81
STAT_WTPURG	A1	86
STAT_WTXMIT	A1	89
STAT_XMIT	A1	8A
STATAFFS	0	
STATCLSL	70	40404040
STATCTKN	118	
STATCVRL	7	3
STATCVRM	7	0
STATDEST	4E	40404040
STATEYE	2	E2E3C1E3
STATINVA	0	4
STATINVT	0	C
STATJBIH	2E	40404040
STATJBIL	26	40404040
STATJOBF	D4	
STATJOBN	1E	40404040
STATJQ	0	
STATJQHD	0	
STATJQTR	0	
STATJ2TR	0	
STATLEN	0	1C8
STATLERR	0	8
STATMEM	C	3
STATMEMB	98	
STATNRJQ	D8	0
STATOJBI	36	40404040
STATORGN	60	40404040
STATOUTT	C	4
STATOWNR	3E	40404040
STATPARM	0	
STATPELM	C	
STATPERF	E0	0
STATPHAZ	A1	
STATPLEN	C	10
STATPPRM	4	
STATPRIO	A0	
STATPSIZ	0	
STATPVER	2	
STATPWRK	8	
STATRCLS	A	14
STATRCST	A	3C
STATRDST	A	4
STATREAS	A	0
STATREA2	B	0
STATRECJ	A	70
STATREYE	A	24
STATRJBH	A	C
STATRJBL	A	8
STATRJBN	A	2C
STATRJLM	A	10
STATRLEN	A	28
STATRMEM	A	38
STATROJB	A	40
STATRORG	A	48
STATROWN	A	30
STATRPHZ	A	1C
STATRPRI	A	50
STATRPRM	C0	0
STATRQUE	A	20
STATRSCR	A	60
STATRSCT	A	5C
STATRSEC	A	44
STATRSEN	A	58
STATRSSC	A	68
STATRSSD	A	64
STATRSVC	A	54
STATRSXW	A	6C
STATRSYS	A	34
STATRTN	BC	
STATRTOK	0	0
STATRVOL	A	18
STATRXEQ	A	4C
STATSAPC	19	10
STATSCHD	0	
STATSCHS	0	
STATSCLA	136	40404040
STATSCLS	18	80
STATSCRE	11C	40404040
STATSCTK	1C	80
STATSDES	124	40404040
STATSDST	18	40

Name	Hex Offset	Hex Value
STATSE	0	
STATSECL	46	40404040
STATSEHD	0	
STATSEL1	18	0
STATSEL2	19	0
STATSEL3	1A	0
STATSEL4	1B	0
STATSENV	AA	40404040
STATSETR	0	
STATSHLD	1A	10
STATSIZE	148	1C8
STATSIZ1	118	118
STATSIZ2	118	118
STATSIZ3	148	1C8
STATSJBI	18	10
STATSJBN	18	20
STATSJOB	19	20
STATSJ2T	0	
STATSJ3T	0	
STATSMEM	1A	2
STATSNHL	1A	8
STATSOJI	18	8
STATSORG	1B	80
STATSOWN	18	4
STATSPHZ	1A	20
STATSPOS	1A	1
STATSPRI	1A	80
STATSRVC	A2	40404040
STATSSCL	1C	10
STATSSDS	1C	20
STATSSEC	18	2
STATSSEN	1B	10
STATSSHL	1C	4
STATSSL1	1C	0
STATSSNH	1C	2
STATSSOW	1C	40
STATSSRV	1B	20
STATSSTC	19	80
STATSSWR	1C	8
STATSSYS	1A	4
STATSTBG	18	
STATSTCP	14	
STATSTHL	8	
STATSTID	0	E2E3C1E3
STATSTNX	10	
STATSTOR	0	
STATSTPL	C	E6
STATSTRP	10	
STATSTSP	C	
STATSTSU	19	40
STATSTTL	D	
STATSTYP	19	FF
STATSVOL	1A	40
STATSWTR	13E	40404040
STATSXEQ	1B	40
STATSYS	90	
STATTERS	C	1
STATTKHL	8	
STATTKID	0	E2E3C1E3
STATTKND	20	28
STATTKNX	C	
STATTKPR	20	
STATTKRS	14	
STATTKR2	15	
STATTKSK	14	FF

Name	Hex Offset	Hex Value
STATTKSN	10	
STATTKTK	18	
STATTKVR	A	
STATTRAK	0	
STATTRKP	14	
STATTYPE	C	1
STATVER	6	
STATVERL	6	
STATVERM	7	
STATVERO	8	0
STATVOL	78	40404040
STATV010	7	100
STATV020	7	200
STATV030	7	300
STATXEQN	68	40404040
STHDLEN	0	
STHDMOD	3	
STHDSIZE	3	4
STHDTYPE	2	
STHD1HDR	14	0
STHD1MOD	3	0
STJQEYE	0	E2D1D8C5
STJQNEXT	8	
STJQOHDR	4	18
STJQOSS	10	40404040
STJQSE	C	
STJQSIZE	14	18
STJ2FLG1	4	0
STJ2JKEY	8	0
STJ2LEN	0	18
STJ2MOD	3	
STJ2SIZE	14	18
STJ2SPAC	14	0
STJ2SPOL	C	0
STJ2TERS	14	2
STJ2TMOD	3	0
STJ2TYPE	2	
STJ21CNW	4	10
STJ21IND	4	40
STJ21PRO	4	80
STJ21SYS	4	20
STSCAHLD	4	0
STSCAVGQ	30	
STSCESTT	10	
STSCFLG1	5	0
STSCHED	14	4
STSCJAFF	4	10
STSCJBSY	4	4
STSCJCLM	4	40
STSCJCLS	4	80
STSCJSCH	4	20
STSCJSPL	4	8
STSCLEN	0	0
STSCMOD	3	
STSCNOSY	4	1
STSCQACT	2C	
STSCQNUM	28	
STSCQPOS	24	
STSCQTIM	34	
STSCSENV	14	40404040
STSCSIZE	34	38
STSCSRVC	8	40404040
STSCTMOD	3	0
STSCTYPE	2	
STSC1JCM	5	80

Name	Hex Offset	Hex Value
STSEEYE	0	E2D6E4E3
STSEJNXT	8	
STSEJOB	C	
STSEOHDR	4	14
STSESIZE	10	14
STSHLEN	0	
STSHMOD	3	
STSHSIZE	3	4
STSHTYPE	2	
STSH1HDR	14	40
STSH1MOD	3	0
STSSLEN	0	0
STSSMOD	3	
STSSNUM	4	
STSSSIZE	8	8
STSSSYS	8	
STSSTMOD	3	1
STSSTYPE	2	
STSTBYCT	3A	0
STSTCHAR	72	40404040
STSTCLAS	26	40404040
STSTCTKN	DD	0
STSTDEST	14	40404040
STSTDEVN	9A	40404040
STSTDHLD	AE	80
STSTDISP	AE	0
STSTDKEP	AE	10
STSTDLVE	AE	40
STSTDWRT	AE	20
STSTFCB	4A	40404040
STSTFLG1	AF	0
STSTFLSH	6A	40404040
STSTFORM	42	40404040
STSTHOPR	AC	80
STSTHRSN	AD	0
STSTHSTA	AC	0
STSTHSYS	AC	20
STSTHTSO	AC	10
STSTHUSR	AC	40
STSTHXWT	AC	8
STSTLEN	0	12D
STSTLNCT	36	0
STSTMEM	92	40404040
STSTMOD	3	
STSTMODC	86	0
STSTMODF	82	40404040
STSTNREC	2E	0
STSTOUID	4	40404040
STSTPAGE	32	0
STSTPMDE	62	40404040
STSTPRIO	B0	0
STSTSECL	C	40404040
STSTSIZE	DD	12D
STSTSOID	B1	40404040
STSTSYS	8A	40404040
STSTTERS	14	41
STSTTMOD	3	0
STSTTYPE	2	
STSTUCS	52	40404040
STSTXWTR	5A	40404040
STST1BRT	AF	80
STST1CPD	AF	10
STST1DSI	AF	40
STST1IPA	AF	20
STST1SPN	AF	8
STS2CRTM	1F	0
STS2FLG1	4	0
STS2LEN	0	23
STS2MOD	3	
STS2OGNM	5	40404040
STS2SIZE	1F	23
STS2TERS	14	42
STS2TMOD	3	0
STS2TYPE	2	
STS21DSH	4	80
STS21TSO	4	40
STS3FLG1	4	0
STS3LEN	0	5
STS3MOD	3	
STS3SIZE	4	5
STS3TERS	14	43
STS3TMOD	3	0
STS3TYPE	2	
STS31XSY	4	80
STTRAPPC	88	4
STTRARMR	8A	80
STTRARMS	8A	0
STTRARMW	8A	40
STTRCLAS	1C	40404040
STTRDEVN	74	40404040
STTRHOLD	87	
STTRJDUP	87	3
STTRJHLD	87	2
STTRJID	C	40404040
STTRJNHL	87	1
STTRJOB	88	3
STTRJTYP	88	
STTRLEN	0	90
STTRMEM	6C	40404040
STTRMISC	8B	0
STTRMOD	3	
STTRMSPN	8B	80
STTRMXCC	8D	
STTRMXRC	8C	
STTRNAME	4	40404040
STTROJID	14	40404040
STTRONOD	24	40404040
STTROUID	54	40404040
STTRPHAZ	86	
STTRPRIO	89	0
STTRPRND	34	40404040
STTRPRRE	3C	40404040
STTRPUND	44	40404040
STTRPURE	4C	40404040
STTRSECL	5C	40404040
STTRSIZE	8D	90
STTRSTC	88	1
STTRSYS	64	40404040
STTRTERS	14	1
STTRTMOD	3	0
STTRTSU	88	2
STTRTYPE	2	
STTRXAB	8C	80
STTRXABN	8C	5
STTRXCAB	8C	6
STTRXCAN	8C	4
STTRXCC	8C	2
STTRXCDE	8C	40
STTRXEOM	8C	8
STTRXIND	8C	

Name	Hex Offset	Hex Value
STTRXJCL	8C	3
STTRXNOD	2C	40404040
STTRXNRM	8C	1
STTRXSEC	8C	7
STTRXUNK	8C	0

SSS2 Programming Interface information

Programming Interface information

SSS2

End of Programming Interface information

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SSS2 Heading Information

Common Name: SSOB Extension for SYSOUT Application Program Interface (SAPI)
Macro ID: IAZSSS2
DSECT Name: SSS2
Owning Component: JES Common (SC141)
Eye-Catcher ID: 'SSS2'
Offset: 4
Length: 4
Storage Attributes: Subpool: any
Key: Key of SSI caller
Residency: Any
Size: See SSS2SIZE equate
Created by: Caller of SSI
Pointed to by: SSOBINDV in the IEFSSOBH mapping macro
Serialization: None required
Function: Defines the SSOB extension used to request SYSOUT data sets from JES.

SSS2 Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SSS2	SSOB extension mapping - SSS2

Comment

Process SYSOUT data sets return codes (SSOBRETN)
If a return code > 4 is given, and the SSS2JEST field
is non-zero, the application should make a "cleanup"
call. A "cleanup" call is requested by the application
by setting bit SSS2CTRL in SSS2MSC1 after setting all
fields defined by SSS2INPC and SSS2DISC to binary zeros

End of Comment

0	(0)	X'0'	0	SSS2RTOK	"0" Everything is ok
0	(0)	X'4'	0	SSS2EODS	"4" No more data sets to select
0	(0)	X'8'	0	SSS2INVA	"8" Invalid search arguments
0	(0)	X'C'	0	SSS2UNAV	"12" Unable to process now
0	(0)	X'10'	0	SSS2DUPJ	"16" Duplicate jobnames (This RC can occur only if SSS2SDUP is on). The duplicate job may or may not have characteristics matching the SSS2 filter set.
0	(0)	X'14'	0	SSS2IDST	"20" Invalid destination specified

Comment

SS2AUTH EQU 24 Authorization failed

End of Comment

0	(0)	X'1C'	0	SSS2TKNM	"28" Token map failed. Application will not be allowed to allocate to data set & DISP=(,KEEP) will be forced
0	(0)	X'20'	0	SSS2LERR	"32" Logic error (See the reason codes defined for SSS2REAS)
0	(0)	X'24'	0	SSS2ICLS	"36" SSS2CLAS not A-Z and not 0-9
0	(0)	X'28'	0	SSS2BDIS	"40" Disposition settings incorrect (See the reason codes defined for SSS2REAS)
0	(0)	X'2C'	0	SSS2CLON	"44" Disposition for data set group not uniform (See SSS2DSH). DISP=(,KEEP) will be forced with no override disposition information honored
0	(0)	ADDRESS	2	SSS2LEN	I.Length of Sysout extension
2	(2)	SIGNED	1	SSS2VER (0)	I.SSOB version
2	(2)	X'1'	0	SSS2IVER	"1" Initial version number

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
2	(2)	X'2'	0	SSS2VCTP	"2" Version supporting Client Print
2	(2)	X'2'	0	SSS2CVER	"SSS2VCTP" Current version number
3	(3)	SIGNED	1	SSS2REAS	O.Reason code associated with SSOBRETN value of SSS2LERR, SSS2BDIS or SSS2EODS

Comment

Begin SSS2LERR reason codes

End of Comment

3	(3)	X'4'	0	SSS2RENI	"4" SSS2JEST zero, but SSS2DSN not null
3	(3)	X'8'	0	SSS2REIP	"8" SSS2SIPA and SSS2SIPN are mutually exclusive
3	(3)	X'C'	0	SSS2RALO	"12" Prior data set still allocated
3	(3)	X'10'	0	SSS2RDUP	"16" SSS2SDUP on in SSS2SEL1 and wild cards used in SSS2JOBN
3	(3)	X'14'	0	SSS2RJBI	"20" SSS2JBIH < SSS2JBIL & SSS2SJBI on
3	(3)	X'18'	0	SSS2RCRE	"24" SSS2CREA has error & SSS2SCRE on
3	(3)	X'1C'	0	SSS2RLEN	"28" SSS2LEN is less than SSS2SIZE
3	(3)	X'20'	0	SSS2RTYP	"32" SSS2TYPE is not valid
3	(3)	X'24'	0	SSS2RDES	"36" SSS2DEST has error & SSS2SDST on
3	(3)	X'28'	0	SSS2RJNM	"40" SSS2JOBN has error & SSS2SJBN on
3	(3)	X'2C'	0	SSS2RFRM	"44" SSS2FORM has error & SSS2SFRM on
3	(3)	X'30'	0	SSS2RPGM	"48" SSS2PGMN has error & SSS2SPGM on
3	(3)	X'34'	0	SSS2RPRM	"52" SSS2PRMO has error & SSS2SPRM on
3	(3)	X'38'	0	SSS2RCLS	"56" SSS2CLSL has error & SSS2SCLS on
3	(3)	X'3C'	0	SSS2RFCB	"60" SSS2FCB has error & SSS2SFCB on
3	(3)	X'40'	0	SSS2RUCS	"64" SSS2UCS has error & SSS2SUCS on
3	(3)	X'44'	0	SSS2RCHR	"68" SSS2CHAR has error & SSS2SCHR on
3	(3)	X'48'	0	SSS2RMO	"72" SSS2MOD has error & SSS2SMOD on
3	(3)	X'4C'	0	SSS2RFL	"76" SSS2FLSH has error & SSS2SFLS on
3	(3)	X'50'	0	SSS2RLPM	"80" SSS2LMIN or SSS2LMAX is negative & SSS2SLIN is on -- or -- SSS2PMIN or SSS2PMAX is negative & SSS2SPAG is on
3	(3)	X'54'	0	SSS2RLPG	"84" SSS2LMIN > SSS2LMAX & SSS2SLIN on -- or -- SSS2PMIN > SSS2PMAX & SSS2SPAG on
3	(3)	X'58'	0	SSS2RDE2	"88" SSS2DES2 has error & SSS2TYPE is SSS2BULK & SSS2ROUT on
3	(3)	X'5C'	0	SSS2RVOL	"92" SSS2VOL has error & SSS2SVOL on
3	(3)	X'60'	0	SSS2REYE	"96" SSS2EYE does not have "SSS2"
3	(3)	X'64'	0	SSS2RCTK	"100" SSS2CTKN bad & SSS2SCTK on
3	(3)	X'68'	0	SSS2RBRO	"104" SSS2SBRO on and SSS2TYPE is not SSS2PUGE
3	(3)	X'6C'	0	SSS2RECJ	"108" SSS2SCTK & SSS2SJBI are mutually exclusive
3	(3)	X'70'	0	SSS2RODS	"112" SSS2ODST has error & SSS2SODS on

Comment

Reason codes through 180 reserved for SSS2LERR

End of SSS2LERR reason codes

Begin SSS2BDIS reason codes

End of Comment

3	(3)	X'B8'	0	SSS2RDCL	"184" SSS2DCLS has error
3	(3)	X'BC'	0	SSS2RDFR	"188" SSS2DFOR has error
3	(3)	X'C0'	0	SSS2RDPG	"192" SSS2DPGM has error
3	(3)	X'C4'	0	SSS2RDDS	"196" SSS2DDES has error
3	(3)	X'C8'	0	SSS2RDHR	"200" Both SSS2DHLD & SSS2DRLS specified

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
				Reason codes through 236 reserved for SSS2BDIS ---------- End of SSS2BDIS reason codes ---------- ---------- Begin SSS2EODS reason codes The following SSS2EODS reason codes are applicable only when SSS2CTKN is used as a filter: SSS2RENM SSS2RENS ----------	
				End of Comment	
3	(3)	X'F0'	0	SSS2RENM	"240" No matching output
3	(3)	X'F4'	0	SSS2RENS	"244" Matching output not selectable
				Comment	
				Reason codes through 252 reserved for SSS2EODS ---------- End of SSS2EODS reason codes ----------	
				End of Comment	
4	(4)	CHARACTER	4	SSS2EYE	I.Eye catcher
8	(8)	CHARACTER	8	SSS2APPL	I.For application use. Either leave as binary zeros or supply an EBCDIC value which can be used for display purposes
16	(10)	BITSTRING	20	SSS2APL1	I.For application use.
				Comment	
				---------- Applicable to each of the different type of calls defined for SSS2TYPE are the following: (1) The availability of data sets to select are considered those that are available at the time the search for a data set matching the selection criteria begins. That is, if a data set matching the selection criteria is created while the search is in progress, it is possible that the data set will not be found during this search. (2) The availability of data sets to select are considered those that are not currently being processed. (3) The use of the token returned from Extended Status (SSI 80) can result in an EOD return code (SSS2EODS) returned to the user. This can result when the SYSOUT available at the time Extended Status was used has been processed by the time this call was made (SSS2RENM) or is currently being processed (SSS2RENS). ----------	
				End of Comment	
36	(24)	BITSTRING	1	SSS2TYPE (0)	I.Type of call

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					---------- Request type of put/get. Find a data set matching the selection criteria. See above comments for SSS2TYPE for information about selection of matching SYSOUT. ----------
					End of Comment
36	(24)	X'1'	0	SSS2PUGE	"1" Request type of Put/Get
					Comment
					---------- Request type of Count. Find data sets matching the selection criteria and count the number of data sets and the number of lines, pages, bytes, and records in those data sets. SAF checks are not made for the data sets. Counts are only a snapshot at the time the JES processes the request. See above comments for SSS2TYPE for information about selection of matching SYSOUT. ----------
					End of Comment
36	(24)	X'2'	0	SSS2COUN	"2" Request type of Count.
					Comment
					---------- Bulk modify request. Find data sets matching the selection criteria and dispose of them as indicated in flag SSS2UFLG. No data sets will be made available to the caller. See above comments for SSS2TYPE for information about selection of matching SYSOUT. ----------
					End of Comment
36	(24)	X'3'	0	SSS2BULK	"3" Bulk modify request.
					Comment

					End of Comment
37	(25)	ADDRESS	3		Reserved for future use and must be zero
					Comment
					Begin optional input-only fields
					End of Comment
40	(28)	SIGNED	4	SSS2INPT (0)	Beginning of input fields

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					---------- Address of an ECB to be POSTed when work is selected which satisfies the selection criteria that was in this SSOB when the return code of SSS2EODS was last returned. The ECB can be in private or common storage. Caller is allowed to free the memory for this ECB only after making a call with SSS2CTRL on in SSS2MSC1 ----------
					End of Comment
40	(28)	ADDRESS	4	SSS2ECBP	I.ECB address (see above)
					Comment
					---------- It is expected that SSS2RBA with the attendent SSS2CHKP bit will be used by applications as a mechanism for interrupting the normal processing of a group of data sets. The most JES-efficient use of this approach is to process and delete data sets and to use the RBA mechanism only when the application wants to defer processing to a later time. ----------
					End of Comment
44	(2C)	BITSTRING	8	SSS2RBA	IO.Relative Byte Address of first record to be read (See RPLRBAR)
					Comment
					SSS2UFLG is meaningful only if SSS2BULK is specified in SSS2TYPE
					End of Comment
52	(34)	BITSTRING	1	SSS2UFLG	IBM.User disposition flags
		1...		SSS2SETC	"B'10000000'" Use SSS2CLAS as the new class
		.1..		SSS2DELC	"B'01000000'" Delete selected data set(s)
		..1.		SSS2ROUT	"B'00100000'" Use SSS2DES2 as the new data set destination
		...1		SSS2RLSE	"B'00010000'" Release selected data sets
					Comment
					B'00001111' Reserved for future use and must X
					End of Comment
53	(35)	BITSTRING	1	(2)	Reserved for future use and must be zero
55	(37)	BITSTRING	1	SSS2SEL1	IS.Data set selection flags
					Comment
					Selection from one, two, or three queues can be specified. Held output and output destined for writers will be intermixed. The order of output with respect to held and non-held is not predictable.
					End of Comment

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		1...		SSS2SHLD	"B'10000000'" Select "HOLD/LEAVE" output (JES2); Select "hold for TSO" output (JES3)
		.1..		SSS2SXWH	"B'01000000'" Select "hold for XWTR". In a JES2 environment, this has the same meaning as SSS2SHLD.
		11..		SSS2SHOL	"B'11000000'" Select from the hold queue. Specifying this setting guaran- tees that held output will be returned regardless of the JES servicing this request.
		..1.		SSS2SWTR	"B'00100000'" Select "WRITE/KEEP" output (JES2); Select from the writer queue if JES3.
55	(37)	X'E0'	0	SSS2SAWT	"SSS2SHLD+SSS2SXWH+SSS2SWTR" Select from all the above. If none of the three bits is set, then the request will be handled as if SSS2SWTR were specified.
		...1		SSS2SCLS	"B'00010000'" Use SSS2CLSL as the class selection list
		.... 1...		SSS2SDST	"B'00001000'" Use SSS2DEST as a filter
		.... .1..		SSS2SJBN	"B'00000100'" Use SSS2JOBN as a filter
		.... .11.		SSS2SDUP	"B'00000110'" Use SSS2JOBN as a filter, but give RC of SSS2DUPJ if duplicate jobs. This setting meaningful only if SSS2JOBN has no wild card characters. This setting is not used for a Bulk Modify (SSS2BULK) or Count (SSS2COUN) request.
		.... ..1.		SSS2SDU2	"B'00000010'" Give RC of SSS2DUPJ if duplicate job. This bit meaningful only if SSS2JOBN also set on
		1		SSS2SJBI	"B'00000001'" Use SSS2JBIL and SSS2JBIH as filters. Mutually exclusive with SSS2SCTK
56	(38)	BITSTRING	1	SSS2SEL2	IS.More data set selection flags
		1...		SSS2SPGM	"B'10000000'" Use SSS2PGMN as a filter
		.1..		SSS2SFRM	"B'01000000'" Use SSS2FORM as a filter
		..1.		SSS2SCRE	"B'00100000'" Use SSS2CREA as a filter
		...1		SSS2SPRM	"B'00010000'" Use SSS2PRMO as a filter
		.... 1...		SSS2SIPA	"B'00001000'" Only select output which has an Internet Protocol (IP) address
		.... .1..		SSS2SIPN	"B'00000100'" Only select output which has no IP address. This setting is mutually exclusive with SSS2SIPA
		.... ..1.		SSS2SFCB	"B'00000010'" Use SSS2FCB as a filter
		1		SSS2SUCS	"B'00000001'" Use SSS2UCS as a filter
57	(39)	BITSTRING	1	SSS2SEL3	IS.More data set selection flags
		1...		SSS2SSTC	"B'10000000'" Include Started Tasks (STCs) (see note in SSS2STYP)
		.1..		SSS2STSU	"B'01000000'" Include Time Sharing Users (TSUs) (see note in SSS2STYP)
		..1.		SSS2SJOB	"B'00100000'" Include batch jobs (JOBs) (see note in SSS2STYP)
		...1		SSS2SAPC	"B'00010000'" Include APPC output (see note in SSS2STYP)

Comment

B'00001111' Reserved for future output types

End of Comment

		1111 1111		SSS2STYP	"B'11111111'" If none of these bits is on, then selection will be as if ALL of the bits are on.
58	(3A)	BITSTRING	1	SSS2SEL4	IS.More data set selection flags
		1...		SSS2SMOD	"B'10000000'" Use SSS2MOD as a filter (SSS2NMOD in SSS2RET2 on if the JES does not support)
		.1..		SSS2SFLS	"B'01000000'" Use SSS2FLSH as a filter
		..1.		SSS2SAGE	"B'00100000'" Data sets selected must be at least as old as the value in SSS2AGE.
		...1		SSS2SLIN	"B'00010000'" Use minimum and maximum line counts specified in SSS2LMIN and SSS2LMAX as a data set group filter
		.... 1...		SSS2SPAG	"B'00001000'" Use minimum and maximum page counts specified in SSS2PMIN and SSS2PMAX as a data set group filter
		.... .1..		SSS2SPRI	"B'00000100'" Select output based on priority

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		SSS2SVOL	"B'00000010'" Select output based on the volume serial list in SSS2VOL (SSS2NVOL in SSS2RET2 on if the JES does not support)
		1		SSS2SCHR	"B'00000001'" Use Printer translation tables in SSS2CHAR as a filter (SSS2NCHR in SSS2RET2 on if the JES does not support)
59	(3B)	BITSTRING	1	SSS2SEL5	IS.More data set selection flags
		1...		SSS2SCPN	"B'10000000'" Only select output which is not a CPDS (Composed Page Data Set)

Comment

This filter can be used as the only input or in
conjunction with the use of additional filters.
If other filters are used, they must all match
the SYSOUT attributes.

End of Comment

		.1..		SSS2SCTK	"B'01000000'" Use SSS2CTKN as a filter Mutually exclusive with SSS2SJBI
		..1.		SSS2SBRO	"B'00100000'" Application intent is to browse
		...1		SSS2SODS	"B'00010000'" Use SSS2ODST as a filter
60	(3C)	BITSTRING	1	(2)	Reserved for future use and must be zero
62	(3E)	BITSTRING	1	SSS2MSC1	IS.Current data set misc. flags
		1...		SSS2CTRL	"B'10000000'" On - Processing complete Off- Return data set name
		.11.		SSS2FSWB	"B'01100000'" Return token for SJFREQ calls in field SSS2SWBT. This also means that the address of the SWBTUREQ buffer is returned in field SSS2SWTU
		..1.		SSS2FSWT	"B'00100000'" Return address of SWBTUREQ buffer in field SSS2SWTU
		...1		SSS2NJEH	"B'00010000'" Return address of NJE data set and job headers if available (SSS2NJED for data set header; SSS2NJEJ for job header) (SSS2NNHD in SSS2RET2 on if the JES does not support)

Comment

B'00001111' Reserved for future use and must X

End of Comment

63	(3F)	BITSTRING	1	(3)	Reserved for future use and must be zero
66	(42)	CHARACTER	8	SSS2JOBN	IS*.Jobname used for selection (if SSS2SJBN on)

Comment

---
jobid's are of the form: xxxnnnnn
where xxx is JOB, JO, or J
nnnnn is 1 to 7 digits
embedded and trailing blanks are OK
To influence the type of job selected, use the
settings in SSS2SEL3.

End of Comment

74	(4A)	CHARACTER	8	SSS2JBIL	IS.Low jobid used for selection (if SSS2SJBI on).
82	(52)	CHARACTER	8	SSS2JBIH	IS.High jobid used for selection (if SSS2SJBI on). This value must be null or at least as high as SSS2JBIL.
90	(5A)	CHARACTER	8	SSS2CREA	IS*.Owning userid used for selection (if SSS2SCRE on) This is the SAF userid of the creating unit of work
98	(62)	CHARACTER	8	SSS2PRMO (4)	IS*.1 to 4 PRMODEs used for selection (if SSS2SPRM on). A sparse list is supported

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
98	(62)	X'62'	0	SSS2PRMC	"SSS2PRMO,*-SSS2PRMO,C'C'" PRMODEs

Comment

```
------------------------------------------------------------
    In JES2, the userid portion of the destination can
    contain the generic characters ' ' and '?'. This
    can match SYSOUT with a route code that contains a
    corresponding userid routing. However, destinations
    of the format 'R ', 'RM ', 'RMT ', 'U ', and 'N '
    will not match SYSOUT with a route code of remote,
    special local, local, anylocal, or NJE. Also,
    wildcards are not supported for destinations
    defined by DESTID initialization statements. For
    more information, see z/OS JES2 Initialization &
    Tuning Guide's chapter, Controlling JES2 Processes.
------------------------------------------------------------
```

End of Comment

130	(82)	CHARACTER	18	SSS2DEST	IS*.Destination value used for selection (if SSS2SDST on). The format is node.userid or node.remote
148	(94)	BITSTRING	18		Reserved for future use and must zero
166	(A6)	CHARACTER	18	SSS2DES2	IBM.Destination value used for new destination (if SSS2ROUT on). The format is node.userid or node.remote
184	(B8)	CHARACTER	8	SSS2PGMN	IS*.User writer name used for selection (if SSS2SPGM is on).
192	(C0)	CHARACTER	8	SSS2FORM (8)	IS*.Form numbers used for selection (if SSS2SFRM is on). A sparse list is supported
192	(C0)	X'C0'	0	SSS2FORC	"SSS2FORM,*-SSS2FORM,C'C'" Form numbers
256	(100)	BITSTRING	8		Reserved for future use and must be zero
264	(108)	BITSTRING	8		Reserved for future use and must be zero
272	(110)	CHARACTER	36	SSS2CLSL	IS.Sysout class list used for selection (if SSS2SCLS is on).
308	(134)	CHARACTER	1	SSS2CLAS	IBM.New class if SSS2SETC is on.
309	(135)	BITSTRING	7		Really reserved for future SYSOUT class use.
316	(13C)	SIGNED	4	SSS2LMIN	IS.Minimum line count for data set group (if SSS2SLIN is on)
320	(140)	SIGNED	4	SSS2LMAX (0)	IS.Maximum line count for data set group (if SSS2SLIN is on)
324	(144)	SIGNED	4	SSS2PMIN	IS.Minimum page count for data set group (if SSS2SPAG is on)
328	(148)	SIGNED	4	SSS2PMAX (0)	IS.Maximum page count for data set group (if SSS2SPAG is on)
332	(14C)	CHARACTER	4	SSS2FCB	IS.FCB image name used for selection (if SSS2SFCB is on)
336	(150)	CHARACTER	4	SSS2UCS	IS.UCS image name used for selection (if SSS2SUCS is on)
340	(154)	CHARACTER	4	SSS2CHAR (4)	IS.Printer translate table selection (if SSS2SCHR is on). Supported only by JES3. A sparse list is supported
340	(154)	X'154'	0	SSS2CHAC	"SSS2CHAR,*-SSS2CHAR,C'C'" Printer translate tables
356	(164)	CHARACTER	4	SSS2MOD	IS.Modify image used for selection (if SSS2SMOD is on) Supported only by JES3.
360	(168)	CHARACTER	4	SSS2FLSH	IS.Flash cartridge ID for selection (if SSS2SFLS is on)
364	(16C)	ADDRESS	4	SSS2SECT	I.Zero or an address of where the JES should place the security token. If the address of the token is provided, the version and length are presumed to be in the token.
368	(170)	BITSTRING	4	SSS2AGE	IS.Minimum age of data sets to be selected (if SSS2SAGE is on). The low order bit represents 1.048576 seconds.
372	(174)	CHARACTER	6	SSS2VOL (4)	IS.List of SPOOL volume serial numbers. When SSS2SVOL is on, jobs are selected if and only if the job has output on at least one of the volumes listed. (JES2 only) A sparse list is supported
372	(174)	X'174'	0	SSS2VOLC	"SSS2VOL,*-SSS2VOL,C'C'" Volume serials

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					The contents of the token pointed to by field SSS2CTKN are created by JES. The token allows for a quicker method of finding the associated data set. The tokens should not be compared or otherwise used except on SAPI or Extended Status calls. Two different tokens obtained via different means can point to the same data set. The token may have been obtained via: o A previous Extended Status request (see field STSTCTKN) o As the output of a PUT/GET request (in field SSS2DSTR) o Dynamic Allocation that specified the DALRTCTK text unit
					End of Comment
396	(18C)	ADDRESS	4	SSS2CTKN	IS.Address of client token used for selection (if SSS2SCTK is on).
					Comment
					Origin node is the NJE node of work submission. It is not the node of execution.
					End of Comment
400	(190)	CHARACTER	8	SSS2ODST	IS*.Origin node name used for selection (if SSS2SODS is on)
408	(198)	SIGNED	4	(9)	Reserved for future use and must be zero
408	(198)	X'28'	0	SSS2INPC	"SSS2INPT,*-SSS2INPT,C'X'" All input fields
					Comment
					Begin optional disposition fields. These field are used to determine what is to be done with the data set that was last returned to the application and which is now being disposed of. If this is the first put/get call, then there is no "last" data set and so the following information is ignored. Settings in SSS2DSP1 and other dispositions are honored if and only if the keep bit (SSS2DKPE) is on. If SSS2DKPE is off and the data set has OUTDISP=KEEP then the data set will have OUTDISP=LEAVE after processing. If SSS2DKPE is off and the data set does not have OUTDISP=KEEP then the data set will be deleted regardless of other disposition settings in this section.
					End of Comment
444	(1BC)	SIGNED	4	SSS2DISP (0)	Beginning of disposition fields
444	(1BC)	BITSTRING	1	SSS2DSP1	ID.Flags describing the disposition for the data set whose name is currently in SSS2DSN.
		1...		SSS2DKPE	"B'10000000'" Keep the data set
		.1..		SSS2RHLD	"B'01000000'" Keep the data set and make it non-selectable (system hold)

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					SSS2RNPR on means that the JES will not return the data set to the application address space again. The application should treat this as a suggestion (not iron clad) to the JES. The data set could be seen again by the application if: o The JES is restarted o The application is restarted o Some characteristic is changed by the operator or another application.
					End of Comment
		..1.		SSS2RNPR	"B'00100000'" Keep the data set and leave it selectable, but never return to this Sysout API address space again
					Comment
					---------- SSS2DHLD and SSS2RLS are mutually exclusve ----------
					End of Comment
		...1		SSS2DHLD	"B'00010000'" Hold the data set
		.... 1...		SSS2DRLS	"B'00001000'" Release the data set
		.... .1..		SSS2CHKP	"B'00000100'" Use SSS2RBA to checkpoint the data set position. Next data set returned will have SSS2DSF on
		.... ..1.		SSS2DNWR	"B'00000010'" Set writer name to a null value
					Comment
					SSS2RNPT on means that the JES will not return the data set to the application thread again. A thread begins with the first receipt of a token in field SSS2JEST and ends when the thread calls JES with the SSS2CTRL flag set. Other threads will be able to obtain the data set, provided their selection criteria allow it. The application should treat this as a suggestion (not iron clad) to the JES. The data set could be seen again by the thread if: o The JES is restarted o Some characteristic is changed by the operator or another application or thread. o Selection by token is requested
					End of Comment
		1		SSS2RNPT	"B'00000001'" Leave the data set selectable, but never return to this Sysout API thread again
445	(1BD)	BITSTRING	1	(3)	Reserved for future use and must be zero
					Comment
					The following fields are used to change a subset of the data set characteristics. These only have meaning if the data set is kept (SSS2DKEP on in SSS2DSP1). A null value (all blanks or all X'00') is taken to mean that no override is desired for character fields. A value of zero for a binary field is taken to mean that no override is desired.
					End of Comment

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
448	(1C0)	CHARACTER	1	SSS2DCLS	ID.New class
449	(1C1)	BITSTRING	7		Really reserved for future use and must be zero
456	(1C8)	CHARACTER	8	SSS2DFOR	ID.New forms
464	(1D0)	CHARACTER	8	SSS2DPGM	ID.New user writer name
472	(1D8)	CHARACTER	18	SSS2DDES	ID.New destination. The format is node.userid or node.remote
490	(1EA)	SIGNED	2	SSS2CLFT	ID.Number of copies left to process Values > 255 are treated as 255
492	(1EC)	SIGNED	4	(12)	Reserved for future use and must be zero
492	(1EC)	X'1BC'	0	SSS2DISC	"SSS2DISP,*-SSS2DISP,C'X'" Disposition fields

Comment

```
-------------------------------------------------------------
      End of optional disposition fields.
-------------------------------------------------------------
      Begin output-only fields
```

End of Comment

540	(21C)	SIGNED	4	SSS2OUTP (0)	O.Beginning of output area

Comment

```
The JES token returned in SSS2JEST is the linking
mechanism that ties SAPI requests and DYNALLOC
requests together. In addition, the token is what
ties the stream of requests together. SAPI is
designed such that for a given call of type SSS2PUGE,
the last data set returned to the caller (for this
stream) is disposed of before the next data set is
provided.
The application must provide DALSSREQ (supplying the
JES subsystem name (e.g. JES2 or JESA or JES3)) and a
dynamic allocation text unit pointer which points to
the address supplied in SSS2BTOK. In addition
a text unit with DALDSNAM which uses the data set
name returned in SSS2DSN must be supplied.
R1 ---> A(RBpointer) High order bit on
             |
+--------------+
|
V
RB (request block)
.
.
.
S99TXTPP address of text pointers
   |
   +------> A(text1)
                |
                +----> AL2(DALDSNAM,1,44)
                       CL44'data set name'
            A(text2)
                |
                +----> AL2(DALSSREQ,1,4)
                       CL4'subsystem name'
            A(value copied from field SSS2BTOK)
                |
                +----> AL2(DALBRTKN,7,....)
            .
            .
            . high order bit on for last pointer
```

End of Comment

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
540	(21C)	BITSTRING	12	SSS2JEST	O.JES token associated with this SAPI request. A zero value here implies that this is a new request. A new request implies that the SSS2DSN is null.
552	(228)	ADDRESS	4	SSS2BTOK	O.Address of a JES initialized data area which must be pointed to by a dynamic allocation text unit pointer.
556	(22C)	SIGNED	2	SSS2COPY	O.Total number of copies requested by creator. A data set will be returned via this interface only once no matter how many copies were specified by the creator.
558	(22E)	SIGNED	2		Reserved for future use and must be zero
560	(230)	SIGNED	1	SSS2CPYG (8)	O.Copy groups
568	(238)	CHARACTER	8	SSS2JOBR	O.Jobname of selected job
576	(240)	CHARACTER	8	SSS2JBIR	O.Job ID of selected job
584	(248)	CHARACTER	8	SSS2OJBI	O.Original jobid of selected job. (Original id may be different from current jobid) (JES3 always returns blanks)
592	(250)	CHARACTER	8	SSS2CRER	O.Owning userid of data set selected
600	(258)	CHARACTER	8	SSS2JDVT	O.JCL Definition Vector Table
608	(260)	CHARACTER	8	SSS2PRMR	O.PRMODE of data set selected
616	(268)	CHARACTER	18	SSS2DESR	O.Destination of selected data set. The format is node.userid or node.remote
634	(27A)	CHARACTER	8	SSS2PGMR	O.Writer name of selected data set
642	(282)	CHARACTER	8	SSS2FORR	O.Form number of selected data set
650	(28A)	CHARACTER	8	SSS2TJN	O.APPC Transaction Program Jobname that created this data set
658	(292)	CHARACTER	8	SSS2TJID	O.APPC Transaction Program Job ID that created this data set
666	(29A)	CHARACTER	44	SSS2DSN	O.Data set name of selected data set. Must be blanks or zeros if SSS2JEST is zero. No assumptions should be made regarding the format of the data set name
710	(2C6)	SIGNED	2		Reserved for future use and must be zero
712	(2C8)	SIGNED	4	SSS2SEGM	O.Segment id (zero if data set not segmented)
716	(2CC)	SIGNED	4	SSS2WRTN	O.SWB Processing Error - Return Code. Reason code field SSS2WRSN also set
716	(2CC)	X'0'	0	SSS2WOK	"0" Processing successful
716	(2CC)	X'4'	0	SSS2WERR	"4" Processing failed

Comment

```
-------------------------------------------------------------
      SSS2WRSN has the following values:
        SSSSCCRR where SSSSCCRR is defined as:
          SSSS Reason code from SJF service RR
               or a qualifier for a JES service error
          CC Return code from SJF service RR -
               00 if RR is 4 or 8
          RR indicates the SJF service or JES service
                4 = JES SPOOL I/O Error
                8 = JES Memory management error
               12 = SWB_MERGE
               16 = PUTSWB
               20 = JDTEXTRACT
               24 = SWBTUREQ RETRIEVE
-------------------------------------------------------------
```

End of Comment

720	(2D0)	SIGNED	4	SSS2WRSN	O.SWB Processing Error - Reason Code set to non-zero only if SSS2WRTN is non-zero
724	(2D4)	CHARACTER	1	SSS2CLAR	O.Sysout class of selected data set
725	(2D5)	BITSTRING	7		Really reserved for future use and must be zero
732	(2DC)	SIGNED	2	SSS2MLRL	O.Maximum logical record length (LRECL)
734	(2DE)	CHARACTER	8	SSS2DSID	O.DSID for the selected data set
742	(2E6)	BITSTRING	1	SSS2RET1	O.Returned flags
		1...		SSS2GNVA	"B'10000000'" An output group name has been returned in SSS2OGNM (JES2 only)

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.1..		SSS2DSCL	"B'01000000'" Line count, page count, byte count, and record count (SSS2LNCT, SSS2PGCT, SSS2BYCT, and SSS2RCCT) are accurate. This bit will not be on if there was an abnormal termina- tion or the data was created on a different node.
		..1.		SSS2DSF	"B'00100000'" First data set in output group
		..11		SSS2DSC	"B'00110000'" Output group being continued
		.... 1...		SSS2DSL	"B'00001000'" Last data set in output group
		.... .1..		SSS2IP	"B'00000100'" An Internet Protocol (IP) destination is available in the SJF data. See (SSS2SWBT and SSS2SWTU)
		.... ..1.		SSS2BRST	"B'00000010'" BURST=YES specified
		1		SSS2OPTJ	"B'00000001'" OPTCD=J specified
743	(2E7)	BITSTRING	1	SSS2RET2	O.Returned flags
		1...		SSS2NCHR	"B'10000000'" Selection using printer translation tables not supported Turned on only if JES does not support and SSS2SCHR is on
		.1..		SSS2NVOL	"B'01000000'" Selecting output based on a volume serial list not supported Turned on only if JES does not support and SSS2SVOL is on
		..1.		SSS2NNHD	"B'00100000'" Returning addresses of NJE headers not supported Turned on only if JES does not support and SSS2NJEH is on
		...1		SSS2NMOD	"B'00010000'" Selecting output based on Copy modification not supported Turned on only if JES does not support and SSS2SMOD is on
		.... 1...		SSS2NPRI	"B'00001000'" Selecting output in priority order not supported. Turned on only if JES does not support and SSS2SPRI is on
		.... .1..		SSS2NIPA	"B'00000100'" IP Address selection not supported. Turned on if JES does not support and SSS2SIPA or SSS2SIPN are on
744	(2E8)	BITSTRING	1	SSS2RET3	O.Returned flags
		1...		SSS2RSTC	"B'10000000'" Data set created by a started task (STC)
		.1..		SSS2RTSU	"B'01000000'" Data set created by a time sharing user (TSU)
		..1.		SSS2RJOB	"B'00100000'" Data set created by a batch job
745	(2E9)	BITSTRING	1	SSS2RET4	O.Returned flags
		1...		SSS2CPDS	"B'10000000'" Data set has page mode data
		.1..		SSS2SPUN	"B'01000000'" Data set was spun at close
		..1.		SSS2DSH	"B'00100000'" All data sets in the current output group must be unallocated identically
746	(2EA)	BITSTRING	1	SSS2RET5	O.Queue where data set resides
		1...		SSS2RHLV	"B'10000000'" Data set on "HOLD/LEAVE" queue (JES2) or "hold @OW32461 for TSO" queue (JES3) @OW32461
		.1..		SSS2RXWH	"B'01000000'" Data set on "hold for @OW32461 XWTR" queue. This @OW32461 bit will never be on in a JES2 environment.
		11..		SSS2RHOL	"B'11000000'" Data set on one of the held queues if one of these bits is on.
		..1.		SSS2RWTR	"B'00100000'" Data set on "WRITE/KEEP" queue (JES2) or "writer" queue if JES3

Comment

EQU B'00011111' Reserved for future use

End of Comment

747	(2EB)	BITSTRING	1		Reserved for future use and must be zero

Comment

The following four count fields are valid only if SSS2DSCL is on in SSS2RET1.
The fields represent counts for the single data set returned if SSS2TYPE is SSS2PUGE. The fields represent the total for all data sets selected if SSS2TYPE is SSS2COUN.

End of Comment

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
748	(2EC)	SIGNED	4	SSS2LNCT	O.Line count
752	(2F0)	SIGNED	4	SSS2PGCT	O.Page count
756	(2F4)	SIGNED	4	SSS2BYCT (2)	O.Byte count after blank truncation 63 bit right justified
764	(2FC)	SIGNED	4	SSS2RCCT	O.Record count (JES3 only)
768	(300)	CHARACTER	8	SSS2PRCD	O.Procname for the step creating this data set
776	(308)	CHARACTER	8	SSS2STPD	O.Stepname for the step creating this data set
784	(310)	CHARACTER	8	SSS2DDND	O.DDNAME for the data set creation
792	(318)	BITSTRING	8	SSS2SWBT	O.Token used for SJFREQ services. This field is filled in if flag SSS2FSWB is set.
800	(320)	ADDRESS	4	SSS2SWTU	O.Address of the SWBTU block. This field is filled in if flag SSS2FSWT or SSS2FSWB is set.

Comment

Data in SSS2PRIV is installation dependent data

End of Comment

804	(324)	BITSTRING	8	SSS2PRIV	IO.Copied from/to SAPPRIV if JES2, copied from/to COWPRIV if JES3.
812	(32C)	CHARACTER	4	SSS2CHR1	O.Printer translate table 1
816	(330)	CHARACTER	4	SSS2CHR2	O.Printer translate table 2
820	(334)	CHARACTER	4	SSS2CHR3	O.Printer translate table 3
824	(338)	CHARACTER	4	SSS2CHR4	O.Printer translate table 4

Comment

The data set returned with a given output group name will not necessarily continue to have the given output group name if this request keeps the data set.

End of Comment

828	(33C)	CHARACTER	26	SSS2OGNM	O.JES2 output group name
854	(356)	BITSTRING	2		Reserved for future use and must be zero
856	(358)	CHARACTER	4	SSS2RMOD	O.Printer copy modification
860	(35C)	SIGNED	1	SSS2MODT	O.Printer table reference character
861	(35D)	CHARACTER	4	SSS2RFLS	O.Printer flash cartridge ID
865	(361)	SIGNED	1	SSS2FLSC	O.Number of flash copies
866	(362)	SIGNED	1	SSS2PRIO	O.Data set priority
867	(363)	SIGNED	1	SSS2LINC	O.Lines/page (JES2 only)
868	(364)	BITSTRING	4	SSS2TOD	O.Date and time of data set availability in TOD format (i.e. this value is the high order word of the TOD clock obtained via a STCK)
872	(368)	SIGNED	4	SSS2CDS	O.Count of work units (JOEs/OSEs) which match the selection criteria.
876	(36C)	ADDRESS	4	SSS2NJED	O.Address of NJE data set header. This field will be non-zero if a data set header is available and SSS2NJEH flag is on
880	(370)	CHARACTER	4	SSS2FCBR	O.Forms Control Buf (FCB) Set to asterisks ('****') if default FCB is returned
884	(374)	CHARACTER	4	SSS2UCSR	O.Univ Character Set (UCS) Set to asterisks ('****') if default UCS is returned
888	(378)	ADDRESS	4	SSS2DSTR	O.Address of data set token
892	(37C)	SIGNED	4	(9)	Reserved for future use and must be zero.

Comment

Begin JOB level output-only fields

End of Comment

928	(3A0)	CHARACTER	20	SSS2PNAM	O.Programmer name from the JOB statement
948	(3B4)	CHARACTER	8	SSS2ROOM	O.Job level room number
956	(3BC)	CHARACTER	8	SSS2NOTN	O.Job notify node

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
964	(3C4)	CHARACTER	8	SSS2NOTU	O.Job notify userid

Comment

```
Accounting information is provided in "SMF" format,
just as it is in type 5 and type 30 SMF records.
     AL1(number-of-pairs-that-follow)
       followed by 0 or more pairs of the form:
     AL1(length),CLlength'string'
       A length of 0 indicates an omitted field
Example: Accounting information of (X3600,42,,FERN)
     DC AL1(4) Nr of fields
     DC AL1(5),CL5'X3600' field 1
     DC AL1(2),CL2'42' field 2
     DC AL1(0) field 3 (null)
     DC AL1(4),CL4'FERN' field 4
```

End of Comment

972	(3CC)	ADDRESS	4	SSS2ACCT	O.Address of encoded accounting information.
976	(3D0)	CHARACTER	8	SSS2XEQ	O.Node where job executed
984	(3D8)	CHARACTER	8	SSS2ORG	O.Node where job entered network

Comment

```
-------------------------------------------------------------
     Time and date are local, not UCT/GMT
-------------------------------------------------------------
```

End of Comment

992	(3E0)	SIGNED	4	SSS2TIME	O.Time on input processor for the selected job. This is in hundredths of seconds since midnight.
996	(3E4)		4	SSS2DATE	O.Date on input processor for the selected job. This is in the form 0cyydddF

Comment

```
-------------------------------------------------------------
     SSS2SYS and SSS2MBR not available if job came
     from net or was reloaded.
-------------------------------------------------------------
```

End of Comment

1000	(3E8)	CHARACTER	8	SSS2SYS	O.System name of the MVS image where the job output was created
1008	(3F0)	CHARACTER	4	SSS2MBR	O.Member name of the JES2 image where the job output was created
1012	(3F4)	ADDRESS	4	SSS2NJEJ	O.Address of NJE job header. This field will be non-zero if the job header is available and SSS2NJEH flag is on
1016	(3F8)	CHARACTER	8	SSS2NACT	O.Net account (from NETACCT)
1024	(400)	CHARACTER	8	SSS2USID	O.JMR User Id
1032	(408)	SIGNED	4	(8)	Reserved for future use and must be zero.
1032	(408)	X'21C'	0	SSS2OUTC	"SSS2OUTP,*-SSS2OUTP,C'X'" All output fields
1032	(408)	X'428'	0	SSS2SIZE	"*-SSS2" This is minimal size of SSS2
1032	(408)	X'428'	0	SSS21SIZ	"*-SSS2" Minimum length of version 1 SSS2

SSS2 Cross Reference

Name	Hex Offset	Hex Value
SSS2	0	
SSS2ACCT	3CC	
SSS2AGE	170	0
SSS2APL1	10	0
SSS2APPL	8	40404040
SSS2BDIS	0	28
SSS2BRST	2E6	2
SSS2BTOK	228	
SSS2BULK	24	3
SSS2BYCT	2F4	0
SSS2CDS	368	0
SSS2CHAC	154	154
SSS2CHAR	154	40404040
SSS2CHKP	1BC	4
SSS2CHR1	32C	40404040
SSS2CHR2	330	40404040
SSS2CHR3	334	40404040
SSS2CHR4	338	40404040
SSS2CLAR	2D4	40
SSS2CLAS	134	40
SSS2CLFT	1EA	0
SSS2CLON	0	2C
SSS2CLSL	110	40404040
SSS2COPY	22C	0
SSS2COUN	24	2
SSS2CPDS	2E9	80
SSS2CPYG	230	0
SSS2CREA	5A	40404040
SSS2CRER	250	40404040
SSS2CTKN	18C	
SSS2CTRL	3E	80
SSS2CVER	2	2
SSS2DATE	3E4	C
SSS2DCLS	1C0	40
SSS2DDES	1D8	40404040
SSS2DDND	310	40404040
SSS2DELC	34	40
SSS2DESR	268	40404040
SSS2DEST	82	40404040
SSS2DES2	A6	40404040
SSS2DFOR	1C8	40404040
SSS2DHLD	1BC	10
SSS2DISC	1EC	1BC
SSS2DISP	1BC	
SSS2DKPE	1BC	80
SSS2DNWR	1BC	2
SSS2DPGM	1D0	40404040
SSS2DRLS	1BC	8
SSS2DSC	2E6	30
SSS2DSCL	2E6	40
SSS2DSF	2E6	20
SSS2DSH	2E9	20
SSS2DSID	2DE	40404040
SSS2DSL	2E6	8
SSS2DSN	29A	40404040
SSS2DSP1	1BC	0
SSS2DSTR	378	
SSS2DUPJ	0	10
SSS2ECBP	28	
SSS2EODS	0	4
SSS2EYE	4	E2E2E2F2
SSS2FCB	14C	40404040
SSS2FCBR	370	40404040
SSS2FLSC	361	0
SSS2FLSH	168	40404040
SSS2FORC	C0	C0
SSS2FORM	C0	40404040
SSS2FORR	282	40404040
SSS2FSWB	3E	60
SSS2FSWT	3E	20
SSS2GNVA	2E6	80
SSS2ICLS	0	24
SSS2IDST	0	14
SSS2INPC	198	28
SSS2INPT	28	
SSS2INVA	0	8
SSS2IP	2E6	4
SSS2IVER	2	1
SSS2JBIH	52	40404040
SSS2JBIL	4A	40404040
SSS2JBIR	240	40404040
SSS2JDVT	258	40404040
SSS2JEST	21C	0
SSS2JOBN	42	40404040
SSS2JOBR	238	40404040
SSS2LEN	0	428
SSS2LERR	0	20
SSS2LINC	363	0
SSS2LMAX	140	7FFFFFFF
SSS2LMIN	13C	0
SSS2LNCT	2EC	0
SSS2MBR	3F0	40404040
SSS2MLRL	2DC	0
SSS2MOD	164	40404040
SSS2MODT	35C	0
SSS2MSC1	3E	0
SSS2NACT	3F8	40404040
SSS2NCHR	2E7	80
SSS2NIPA	2E7	4
SSS2NJED	36C	
SSS2NJEH	3E	10
SSS2NJEJ	3F4	
SSS2NMOD	2E7	10
SSS2NNHD	2E7	20
SSS2NOTN	3BC	40404040
SSS2NOTU	3C4	40404040
SSS2NPRI	2E7	8
SSS2NVOL	2E7	40
SSS2ODST	190	40404040
SSS2OGNM	33C	40404040
SSS2OJBI	248	40404040
SSS2OPTJ	2E6	1
SSS2ORG	3D8	40404040
SSS2OUTC	408	21C
SSS2OUTP	21C	
SSS2PGCT	2F0	0
SSS2PGMN	B8	40404040
SSS2PGMR	27A	40404040
SSS2PMAX	148	7FFFFFFF
SSS2PMIN	144	0
SSS2PNAM	3A0	40404040
SSS2PRCD	300	40404040
SSS2PRIO	362	0
SSS2PRIV	324	0
SSS2PRMC	62	62
SSS2PRMO	62	40404040

SSS2 Cross Reference

Name	Hex Offset	Hex Value
SSS2PRMR	260	40404040
SSS2PUGE	24	1
SSS2RALO	3	C
SSS2RBA	2C	0
SSS2RBRO	3	68
SSS2RCCT	2FC	0
SSS2RCHR	3	44
SSS2RCLS	3	38
SSS2RCRE	3	18
SSS2RCTK	3	64
SSS2RDCL	3	B8
SSS2RDDS	3	C4
SSS2RDES	3	24
SSS2RDE2	3	58
SSS2RDFR	3	BC
SSS2RDHR	3	C8
SSS2RDPG	3	C0
SSS2RDUP	3	10
SSS2REAS	3	
SSS2RECJ	3	6C
SSS2REIP	3	8
SSS2RENI	3	4
SSS2RENM	3	F0
SSS2RENS	3	F4
SSS2RET1	2E6	0
SSS2RET2	2E7	0
SSS2RET3	2E8	0
SSS2RET4	2E9	0
SSS2RET5	2EA	0
SSS2REYE	3	60
SSS2RFCB	3	3C
SSS2RFL	3	4C
SSS2RFLS	35D	40404040
SSS2RFRM	3	2C
SSS2RHLD	1BC	40
SSS2RHLV	2EA	80
SSS2RHOL	2EA	C0
SSS2RJBI	3	14
SSS2RJNM	3	28
SSS2RJOB	2E8	20
SSS2RLEN	3	1C
SSS2RLPG	3	54
SSS2RLPM	3	50
SSS2RLSE	34	10
SSS2RMO	3	48
SSS2RMOD	358	40404040
SSS2RNPR	1BC	20
SSS2RNPT	1BC	1
SSS2RODS	3	70
SSS2ROOM	3B4	40404040
SSS2ROUT	34	20
SSS2RPGM	3	30
SSS2RPRM	3	34
SSS2RSTC	2E8	80
SSS2RTOK	0	0
SSS2RTSU	2E8	40
SSS2RTYP	3	20
SSS2RUCS	3	40
SSS2RVOL	3	5C
SSS2RWTR	2EA	20
SSS2RXWH	2EA	40
SSS2SAGE	3A	20
SSS2SAPC	39	10
SSS2SAWT	37	E0
SSS2SBRO	3B	20
SSS2SCHR	3A	1
SSS2SCLS	37	10
SSS2SCPN	3B	80
SSS2SCRE	38	20
SSS2SCTK	3B	40
SSS2SDST	37	8
SSS2SDUP	37	6
SSS2SDU2	37	2
SSS2SECT	16C	
SSS2SEGM	2C8	0
SSS2SEL1	37	0
SSS2SEL2	38	0
SSS2SEL3	39	0
SSS2SEL4	3A	0
SSS2SEL5	3B	0
SSS2SETC	34	80
SSS2SFCB	38	2
SSS2SFLS	3A	40
SSS2SFRM	38	40
SSS2SHLD	37	80
SSS2SHOL	37	C0
SSS2SIPA	38	8
SSS2SIPN	38	4
SSS2SIZE	408	428
SSS2SJBI	37	1
SSS2SJBN	37	4
SSS2SJOB	39	20
SSS2SLIN	3A	10
SSS2SMOD	3A	80
SSS2SODS	3B	10
SSS2SPAG	3A	8
SSS2SPGM	38	80
SSS2SPRI	3A	4
SSS2SPRM	38	10
SSS2SPUN	2E9	40
SSS2SSTC	39	80
SSS2STPD	308	40404040
SSS2STSU	39	40
SSS2STYP	39	FF
SSS2SUCS	38	1
SSS2SVOL	3A	2
SSS2SWBT	318	0
SSS2SWTR	37	20
SSS2SWTU	320	
SSS2SXWH	37	40
SSS2SYS	3E8	40404040
SSS2TIME	3E0	0
SSS2TJID	292	40404040
SSS2TJN	28A	40404040
SSS2TKNM	0	1C
SSS2TOD	364	0
SSS2TYPE	24	1
SSS2UCS	150	40404040
SSS2UCSR	374	40404040
SSS2UFLG	34	0
SSS2UNAV	0	C
SSS2USID	400	40404040
SSS2VCTP	2	2
SSS2VER	2	2
SSS2VOL	174	40404040
SSS2VOLC	174	174
SSS2WERR	2CC	4
SSS2WOK	2CC	0
SSS2WRSN	2D0	0
SSS2WRTN	2CC	0

Name	Hex Offset	Hex Value
SSS2XEQ	3D0	40404040
SSS21SIZ	408	428

SSTA Programming Interface information

Programming Interface information

SSTA

End of Programming Interface information

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SSTA Heading Information

Common Name: Tape Allocation Subsystem Interface Mapping
Macro ID: IEFSSTA
DSECT Name: SSTA - SSTA Header SSTADDA - DD array entry SSTADRA - Device request array entry SSTAEDA - Eligible device array entry
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: SSTA
Offset: 0
Length: 4
Storage Attributes: Main Storage: No
Virtual Storage: Yes
Auxiliary Storage: Yes
Subpool: 230
Key: 1
Data Space: No
Residency: Any
Size: 52 decimal for SSTA Header
32 decimal for each DD array entry
(number of entries is in SSTANDDS)
20 decimal for each device request array entry
(number of entries is in SSTANDRA)
12 decimal for each eligible device array entry
(number of entries is in SSTANEDA)
Created by: IEFAB483
Pointed to by: Upon entry to the Tape Allocation Subsystem general purpose register 1 points to the SSOB. The SSOBINDV field points to the SSTA.
Serialization: ENQ -
Major Name: SYSIEFSD
Minor Name: Q4
Scope : SYSTEM
Mode : Shared
Minor Name: CHNGDEVS
Scope : SYSTEM
Mode : Shared
Minor Name: DDRTPUR
Scope : SYSTEM
Mode : Shared
Minor Name: DDRDA (if DA requests)
Scope : SYSTEM
Mode : Shared
LOCKS -
Allocation group locks held
Coupling Facility generic locks held

Function: Provides data shared by Allocation and the Tape Allocation Subsystem in order to build the information needed to solve a tape allocation request. The Tape Allocation Subsystem can influence the allocation selection by adding new criteria to consider when the allocation algorithm solves the requests.

To do this, the subsystem must know the relative importance of each of the criteria that IBM considers as well as what criteria is applied to each request/device combination.

The relative importance that IBM considers is kept in the SSTAIBMM mask. Each bit is defined as a specific criteria and when the bit is on the criteria is being applied to that request/device combination.

The table below gives the relative importance of each of the subsystem criteria as related to the IBM criteria (highest to lowest criteria)

Order	IBM	Subsystem
1		SSTAINEL
2	SSTADMND	
3		SSTAUS01
4		SSTAUS02
5	SSTAONUN	
6		SSTAUS03
7		SSTAUS04
8	SSTANAFH	
9		SSTAUS05
10		SSTAUS06
11	SSTASPCM	
12		SSTAUS07
13		SSTAUS08
14	(Generic device type, not specified by a bit)	
15		SSTAUS09

16		SSTAUS10
17	SSTAACL1	
18		SSTAUS11
19		SSTAUS12
20	SSTAACL2	
21		SSTAUS13
22		SSTAUS14
23	SSTAACL3	
24		SSTAUS15
25		SSTAUS16
26	SSTAVOLM	
27		SSTAUS17
28		SSTAUS18
29	SSTANVOL	
30		SSTAUS19
31		SSTAUS20
32	SSTAWVOL	
33		SSTAUS21
34		SSTAUS22
35	SSTAAVOL	
36		SSTAUS23
37		SSTAUS24
38	SSTANAS	
39		SSTAUS25
40		SSTAUS26

If the subsystem wants its own criteria considered more important than a specific IBM criteria then it just sets the bit in the User mask that is higher in priority for the request/device combination that the subsystem wishes the criteria to be applied to.

There are instances where bits can have multiple meanings in the IBM criteria. An example would be the SSTAVOLM bit. If the request is for a specific tape volume the bit means one thing. If the request is for a nonspecific tape volume the bit means something different. In all cases where there are multiple bit meanings there is no possibility of overlapping criteria. The actual meanings as applied to a specific entry is determined by the device request array entry for which this is an eligible device array entry. The SSTAPRV and SSTASPEC bits will indicate whether the request is a specific, private/nonspecific, or scratch request.

SSTA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SSTA	Tape Allocation SSI parameters
0	(0)	CHARACTER	4	SSTAID	Identifier 'SSTA'
4	(4)	BITSTRING	1	SSTAVERS	SSTA version.
5	(5)	BITSTRING	1	SSTAFLGS	SSI call information flags.
		1...		SSTAFCAL	"X'80'" First call for this job step or dynamic allocation request
		.1..		SSTARECV	"X'40'" This call from Recovery Allocation processing
		..1.		SSTATRTY	"X'20'" This call from Tape Allocation retry processing
		...1		SSTAARTY	"X'10'" This call from Common Allocation retry processing
6	(6)	CHARACTER	2		reserved
8	(8)	CHARACTER	8	SSTASNAM	System name
16	(10)	CHARACTER	8	SSTAJNAM	Job name
24	(18)	CHARACTER	16	SSTASTNM	8-byte Job step name followed by 8 reserved bytes or 8-byte Procedure name followed by 8-byte Job step name (See TIOCSTEP in IEFTIOT1)
40	(28)	BITSTRING	4	SSTASTPN	Step number
44	(2C)	BITSTRING	4	SSTANDDS	Number of DD's
48	(30)	ADDRESS	4	SSTADDAP	Pointer to the first DD array entry for this job/step
48	(30)	X'34'	0	SSTAHDRL	"*-SSTA" Length of the SSTA Header.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SSTADDA	DD array entry
0	(0)	CHARACTER	8	SSTADDN	DD name
8	(8)	ADDRESS	4	SSTAJFCP	Pointer to the JFCB for this DD array entry
12	(C)	BITSTRING	4	SSTACPOS	Concatenation position
16	(10)	BITSTRING	1	SSTADDF1	DD level information byte 1
		1...		SSTANEW	"X'80'" DISP=NEW indicator
		.1..		SSTAMOD	"X'40'" DISP=MOD indicator
		..1.		SSTAOLD	"X'20'" DISP=OLD indicator
		...1		SSTAGDGS	"X'10'" GDG single request
		.... 1...		SSTAGALL	"X'08'" Part of GDG all request
		.... .1..		SSTAGDGA	"X'04'" Generated DD
		.... ..1.		SSTAVLAF	"X'02'" Volume affinity indicator
		1		SSTAVAFF	"X'01'" Intra-step volume affinity
17	(11)	BITSTRING	1	SSTADDF2	DD level information byte 2
		1...		SSTAUNAF	"X'80'" Unit affinity indicator
		.1..		SSTAUARM	"X'40'" Unit affinity has been removed, but this condition is not permanent (i.e. the SIOT still indicates unit affinity)
18	(12)	CHARACTER	2		reserved
20	(14)	BITSTRING	4	SSTANDRA	Number of device request arrays
24	(18)	ADDRESS	4	SSTADRAP	Pointer to the first device request array entry for this DD
28	(1C)	ADDRESS	4	SSTADDAN	Pointer to the next DD array entry
28	(1C)	X'20'	0	SSTADDAL	"*-SSTADDA" Length of one (1) DD Array entry.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SSTADRA	Device request array entry
0	(0)	CHARACTER	6	SSTAVOLI	Volume serial number
6	(6)	BITSTRING	2	SSTANDEV	Number of devices eligible
8	(8)	BITSTRING	1	SSTAREQT	Device request information flags
		1...		SSTAPRV	"X'80'" Private request
		.1..		SSTASPEC	"X'40'" Specific volume needed
		..1.		SSTADEFR	"X'20'" Volume mounting deferred
		...1		SSTAALOC	"X'10'" Entry already allocated
		.... 1...		SSTASKIP	"X'08'" This entry being skipped
9	(9)	BITSTRING	1	SSTAUREQ	User supplied request level overrides
		1...		SSTAUDFR	"X'80'" Force request to defer mounting.
		.1..		SSTAUPRF	"X'40'" Indicates to use SSTAPREF in place of random clumping avoidance.
10	(A)	BITSTRING	2	SSTAVUID	Volume unit id for affinity
12	(C)	ADDRESS	4	SSTADEVP	Pointer to the first eligible device array entry for this request
16	(10)	ADDRESS	4	SSTADRAN	Pointer to the next device request array entry for this DD
16	(10)	X'14'	0	SSTADRAL	"*-SSTADRA" Length of one (1) Device Request Array entry.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SSTAEDA	Eligible device array
0	(0)	CHARACTER	4	SSTADNUM	Device number in EBCDIC
4	(4)	BITSTRING	3	SSTAIBMM (0)	IBM applied mask
4	(4)	BITSTRING	1	SSTAIBM1	First byte of the IBM mask
		1...		SSTADSK	"X'80'" This device skipped for request
		.1..		SSTADMND	"X'40'" This device demanded by this request
		..1.		SSTAONUN	"X'20'" Online/Unallocated device
		...1		SSTANAFH	"X'10'" Not assigned to foreign host
		.... 1...		SSTASPCM	"X'08'" Volume mounted is one needed for this request
		.... .1..		SSTAACL1	"X'04'" Either no ACL is installed and this is a specific request or the ACL is active and this is a nonspecific request (public or private).
		.... ..1.		SSTAACL2	"X'02'" The installed ACL is inactive.
		1		SSTAACL3	"X'01'" Either the ACL is active and this is a specific request or no ACL is installed and this is a nonspecific request (public or private).
5	(5)	BITSTRING	1	SSTAIBM2	Second byte of the IBM mask.
		1...		SSTAVOLM	"X'80'" Either the last volume mounted is needed OR the volume mounted is Public, was not PASSed or RETAINed, and this is a Scratch Request.
		.1..		SSTANVOL	"X'40'" No volume is mounted and the last volume mounted is not needed.
		..1.		SSTAWVOL	"X'20'" The wrong volume is mounted for a specific request but the last volume mounted matches.
		...1		SSTAAVOL	"X'10'" Either the wrong volume is mounted and the last one does not match, or any volume is mounted and this is a private request.
		.... 1...		SSTANAS	"X'08'" This device is not automatically switchable
6	(6)	BITSTRING	1	SSTAIBM3	Third byte of the IBM mask (currently reserved)
7	(7)	BITSTRING	1	SSTAPREF	Optional value to use as a replacement for random clumping avoidance.
8	(8)	BITSTRING	4	SSTAUSRM (0)	User applied mask
8	(8)	BITSTRING	1	SSTAUSE1	First byte of the User mask
		1...		SSTAINEL	"X'80'" Mark device ineligible
		.1..		SSTAUS01	"X'40'" User factor 1 should be assigned
		..1.		SSTAUS02	"X'20'" User factor 2 should be assigned
		...1		SSTAUS03	"X'10'" User factor 3 should be assigned
		.... 1...		SSTAUS04	"X'08'" User factor 4 should be assigned
		.... .1..		SSTAUS05	"X'04'" User factor 5 should be assigned
		.... ..1.		SSTAUS06	"X'02'" User factor 6 should be assigned
		1		SSTAUS07	"X'01'" User factor 7 should be assigned
9	(9)	BITSTRING	1	SSTAUSE2	Second byte of the User mask

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		1...		SSTAUS08	"X'80'" User factor 8 should be assigned
		.1..		SSTAUS09	"X'40'" User factor 9 should be assigned
		..1.		SSTAUS10	"X'20'" User factor 10 should be assigned
		...1		SSTAUS11	"X'10'" User factor 11 should be assigned
		.... 1...		SSTAUS12	"X'08'" User factor 12 should be assigned
		.... .1..		SSTAUS13	"X'04'" User factor 13 should be assigned
		.... ..1.		SSTAUS14	"X'02'" User factor 14 should be assigned
		1		SSTAUS15	"X'01'" User factor 15 should be assigned
10	(A)	BITSTRING	1	SSTAUSE3	Third byte of the User mask
		1...		SSTAUS16	"X'80'" User factor 16 should be assigned
		.1..		SSTAUS17	"X'40'" User factor 17 should be assigned
		..1.		SSTAUS18	"X'20'" User factor 18 should be assigned
		...1		SSTAUS19	"X'10'" User factor 19 should be assigned
		.... 1...		SSTAUS20	"X'08'" User factor 20 should be assigned
		.... .1..		SSTAUS21	"X'04'" User factor 21 should be assigned
		.... ..1.		SSTAUS22	"X'02'" User factor 22 should be assigned
		1		SSTAUS23	"X'01'" User factor 23 should be assigned
11	(B)	BITSTRING	1	SSTAUSE4	Fourth byte of the User mask
		1...		SSTAUS24	"X'80'" User factor 24 should be assigned
		.1..		SSTAUS25	"X'40'" User factor 25 should be assigned
		..1.		SSTAUS26	"X'20'" User factor 26 should be assigned
11	(B)	X'C'	0	SSTAEDAL	"*-SSTAEDA" Length of one (1) Eligible Device Array entry.

Comment

Constants

End of Comment

12	(C)	CHARACTER	4	SSTACHAR	Eye catcher
12	(C)	X'3'	0	SSTAVERC	"03" Current SSTA version number.
12	(C)	X'4E'	0	SSOBTALC	"78" Function code

SSTA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SSOBTALC	C	4E	SSTAFCAL	5	80
SSTA	0		SSTAFLGS	5	
SSTAACL1	4	4	SSTAGALL	10	8
SSTAACL2	4	2	SSTAGDGA	10	4
SSTAACL3	4	1	SSTAGDGS	10	10
SSTAALOC	8	10	SSTAHDRL	30	34
SSTAARTY	5	10	SSTAIBMM	4	
SSTAAVOL	5	10	SSTAIBM1	4	
SSTACHAR	C	E2E2E3C1	SSTAIBM2	5	
SSTACPOS	C		SSTAIBM3	6	
SSTADDA	0		SSTAID	0	
SSTADDAL	1C	20	SSTAINEL	8	80
SSTADDAN	1C		SSTAJFCP	8	
SSTADDAP	30		SSTAJNAM	10	
SSTADDF1	10		SSTAMOD	10	40
SSTADDF2	11		SSTANAFH	4	10
SSTADDN	0		SSTANAS	5	8
SSTADEFR	8	20	SSTANDDS	2C	
SSTADEVP	C		SSTANDEV	6	
SSTADMND	4	40	SSTANDRA	14	
SSTADNUM	0		SSTANEW	10	80
SSTADRA	0		SSTANVOL	5	40
SSTADRAL	10	14	SSTAOLD	10	20
SSTADRAN	10		SSTAONUN	4	20
SSTADRAP	18		SSTAPREF	7	
SSTADSK	4	80	SSTAPRV	8	80
SSTAEDA	0		SSTARECV	5	40
SSTAEDAL	B	C	SSTAREQT	8	

SSTA Cross Reference

Name	Hex Offset	Hex Value
SSTASKIP	8	8
SSTASNAM	8	
SSTASPCM	4	8
SSTASPEC	8	40
SSTASTNM	18	
SSTASTPN	28	
SSTATRTY	5	20
SSTAUARM	11	40
SSTAUDFR	9	80
SSTAUNAF	11	80
SSTAUPRF	9	40
SSTAUREQ	9	
SSTAUSE1	8	
SSTAUSE2	9	
SSTAUSE3	A	
SSTAUSE4	B	
SSTAUSRM	8	
SSTAUS01	8	40
SSTAUS02	8	20
SSTAUS03	8	10
SSTAUS04	8	8
SSTAUS05	8	4
SSTAUS06	8	2
SSTAUS07	8	1
SSTAUS08	9	80
SSTAUS09	9	40
SSTAUS10	9	20
SSTAUS11	9	10
SSTAUS12	9	8
SSTAUS13	9	4
SSTAUS14	9	2
SSTAUS15	9	1
SSTAUS16	A	80
SSTAUS17	A	40
SSTAUS18	A	20
SSTAUS19	A	10
SSTAUS20	A	8
SSTAUS21	A	4
SSTAUS22	A	2
SSTAUS23	A	1
SSTAUS24	B	80
SSTAUS25	B	40
SSTAUS26	B	20
SSTAVAFF	10	1
SSTAVERC	C	3
SSTAVERS	4	
SSTAVLAF	10	2
SSTAVOLI	0	
SSTAVOLM	5	80
SSTAVUID	A	
SSTAWVOL	5	20

SSUS Heading Information

Common Name: SSOB Extension for Remote Destination Validity Check
Macro ID: IEFSSUS
DSECT Name: SSUS
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: None
Storage Attributes: Subpool: Determined by invoker
Key: Determined by invoker
Residency: Determined by invoker
Size: 72 bytes
Created by: Users of the Remote Userid Validity Check Function
Pointed to by: SSOBINDV field of the SSOB Data Area
Serialization: None
Function: Provides input to Subsystem Remote Destination Validity Check

SSUS Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	32	SSUS	
0	(0)	CHARACTER	16	SSUSV0	Version 0 area
0	(0)	SIGNED	2	SSUSLEN	LENGH OF SSUS
2	(2)	BITSTRING	1	SSUSFLG1	FLAG BYTE
		1...		SSUS1NOD	IF ON, THE NODE NAME IS TO BE RETURNED IN THE SSOB
		.1..		SSUSCVXE	DESTINATION CONVERSION EXTENSION EXISTS
		..11 1111		*	RESERVED
3	(3)	UNSIGNED	1	SSUSVER	Version number
4	(4)	SIGNED	4	*	RESERVED
8	(8)	CHARACTER	8	SSUSUSER	REMOTE DEST TO BE VERIFIED
16	(10)	CHARACTER	16	SSUSV1	Version 1 additions
16	(10)	CHARACTER	8	SSUSNODE	NODE NAME RETURNED BY SSI
24	(18)	CHARACTER	8	SSUSRMT	EBCDIC NODE NAME ('RNNNNNNN'), IF ANY, ASSOCIATED WITH THE PASSED DESTID PEO2642
32	(20)	CHARACTER	0	*	END OF EXTENSION

SSUS Constants

Len	Type	Value	Name	Description
2	DECIMAL	11	SSOBUSER	REMOTE DESTINATION FUNCTION ID (SSOBFUNC)

Comment

REMOTE DESTINATION VALIDITY CHECK RETURN CODES (SSOBRETN)

End of Comment

4	DECIMAL	0	SSUSRTOK	VALID REQUEST
4	DECIMAL	4	SSUSNOUS	INVALID DESTINATION
4	DECIMAL	8	SSUSINCP	SUBSYSTEM COULD NOT COMPLETE THE VALIDITY CHECK
1	DECIMAL	1	SSUSCVER	Current version number
1	DECIMAL	1	SSUSNDRM	First version in which the SSUSNODE ans SSUSRMT fields are valid

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SSUS Cross Reference

Name	Hex Offset	Hex Value
SSUS	0	
SSUSCVXE	2	40
SSUSFLG1	2	
SSUSLEN	0	
SSUSNODE	10	
SSUSRMT	18	
SSUSUSER	8	
SSUSVER	3	
SSUSV0	0	
SSUSV1	10	
SSUS1NOD	2	80

SSVI Programming Interface information

Programming Interface information

SSVI

End of Programming Interface information

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SSVI Heading Information

Common Name: Subsystem Version Information SSOB Extension
Macro ID: IEFSSVI
DSECT Name: SSVI, SSVIVDAT
Owning Component: Subsystem Interface - SSI (SC1B6)
Eye-Catcher ID: SSVI
Offset: 4
Length: 4 bytes
Storage Attributes: Subpool: Any
Key: Key of caller of SSI
Residency: Any
Size: 48 decimal + system variable output section + installation variable output section
FREQUENCY = 1 per function code 54 SSI call
Created by: The invoker of IEFSSREQ
Pointed to by: SSOBINDV in the IEFSSOBH mapping macro
Serialization: None
Function: This mapping macro defines the parameters used for SSI function code 54, SubSystem Version Information. This function code is intended to be a mechanism to determine relatively static information about a subsystem.

SSVI Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	X'36'	0	SSOBSSVI	"54" Subsystem Version information function ID (SSOBFUNC)
0	(0)	X'E2E5C9'	0	SSVICID	"C'SSVI'" Macro constant id
0	(0)	X'1'	0	SSVIVONE	"1" Version one
0	(0)	X'2'	0	SSVIVTWO	"2" Version two
0	(0)	X'2'	0	SSVICVER	"SSVIVTWO" Latest version
Comment					
Subsystem Version information Return codes (SSOBRETN)					
End of Comment					
0	(0)	X'0'	0	SSVIOK	"0" Information returned
0	(0)	X'8'	0	SSVINSTR	"8" Not enough storage to finish request Use SSVIRLEN to determine correct amount required
0	(0)	X'10'	0	SSVIPARM	"16" Invalid SSVI parameter list
0	(0)	X'18'	0	SSVIABLG	"24" Abend or logical error occurred in the service routine
Comment					
SSOB extension mapping - SSVI					
End of Comment					
0	(0)	X'0'	0	SSVI	"*" SSOB extension mapping - SSVI
0	(0)	X'0'	0	SSVIHEAD	"*" Header information
0	(0)	SIGNED	2	SSVILEN	Length of entire area
2	(2)	BITSTRING	1	SSVIVER	Version of mapping for caller
3	(3)	CHARACTER	1	SSVIRSV1	Reserved
4	(4)	CHARACTER	4	SSVIID	SSOB extension id - "SSVI"
4	(4)	X'8'	0	SSVIFDAT	"*" Fixed data information

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	SIGNED	2	SSVIRLEN	Return or required length. Set to amount of storage required to respond to the SSVI request when SSOBRETN is either 0 or 8.
10	(A)	BITSTRING	1	SSVIRVER	Version of mapping for subsystem
11	(B)	CHARACTER	1	SSVIRSV2	Reserved
12	(C)	SIGNED	2	SSVIFLEN	Length of fixed section
14	(E)	SIGNED	2	SSVIASID	V2.Address Space ID associated with the subsystem, if any. Set to (X'FFFF') if A. S. Abended
16	(10)	CHARACTER	8	SSVIVERS	Version of product (e.g. 'SP4.3.0')
24	(18)	CHARACTER	8	SSVIFMID	FMID of product
32	(20)	CHARACTER	8	SSVICNAM	Common name of subsystem
40	(28)	SIGNED	4	SSVIUDOF	Offset to the installation section from the start of the SSVI
44	(2C)	SIGNED	4	SSVISDOF	Offset to the system section from the start of the SSVI
44	(2C)	X'30'	0	SSVIVER1	"*" End of version 1 fixed header mapping

Comment

Product level and Service level are intended to be used as indicators of the relative level of the subsystem. These numbers have no inherent meaning other than determining whether the subsystem is at a particular level. The product level is guaranteed to increase by at least one for each release of the subsystem. The service level is guaranteed to start at zero for a new product level and to increase by at least one when significant maintenance is applied during the life of a particular release.

End of Comment

48	(30)	SIGNED	1	SSVIPLVL	V2.zero or the product level
49	(31)	SIGNED	1	SSVISLVL	V2.zero or the service level
50	(32)	BITSTRING	14		V2.Reserved for future use
50	(32)	X'40'	0	SSVIVER2	"*" V2.End of version 2 fixed header mapping
50	(32)	X'40'	0	SSVIMSIZ	"SSVIVER2-SSVI" Minimum required input length
50	(32)	X'40'	0	SSVIFSIZ	"*-SSVI" Length of SSVI fixed header section

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SSVIVDAT	Variable data section mapping
0	(0)	SIGNED	2	SSVIVLEN	Length of the variable data
2	(2)	CHARACTER	1	SSVIDAT (0)	Data area

SSVI Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SSOBSSVI	0	36	SSVIOK	0	0
SSVI	0	0	SSVIPARM	0	10
SSVIABLG	0	18	SSVIPLVL	30	
SSVIASID	E		SSVIRLEN	8	
SSVICID	0	E2E5C9	SSVIRSV1	3	
SSVICNAM	20		SSVIRSV2	B	
SSVICVER	0	2	SSVIRVER	A	
SSVIDAT	2		SSVISDOF	2C	
SSVIFDAT	4	8	SSVISLVL	31	
SSVIFLEN	C		SSVIUDOF	28	
SSVIFMID	18		SSVIVDAT	0	
SSVIFSIZ	32	40	SSVIVER	2	
SSVIHEAD	0	0	SSVIVERS	10	
SSVIID	4		SSVIVER1	2C	30
SSVILEN	0		SSVIVER2	32	40
SSVIMSIZ	32	40	SSVIVLEN	0	
SSVINSTR	0	8	SSVIVONE	0	1

SSVI Cross Reference

Name	Hex Offset	Hex Value
SSVIVTWO	0	2

SSVS Programming Interface information

Programming Interface information

SSVS

ONLY the following fields are part of the programming interface information:

- SSVSLEN
- SSVSNUM
- SSVSSCTP

End of Programming Interface information

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SSVS Heading Information

Common Name: Subsystem Verification Service
Macro ID: IEFSSVS
DSECT Name: None
Owning Component: Subsystem Interface (SC1B6)
Eye-Catcher ID: None
Storage Attributes: Subpool: Any
Key: Key of caller of SSI
Residency: Any
Size: 8 (SSVSSIZS) or 20 (SSVSSIZE) bytes
Created by: The invoker of IEFSSREQ
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Maps the SSOB extension for the Subsystem Verification function request (SSI function code 15 (SSOBVERS))

SSVS Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'F'	0	SSOBVERS	"15" FUNCTION ID (SSOBFUNC)
Comment					
SUBSYSTEM VERIFICATION RETURN CODES (SSOBRETN)					
End of Comment					
0	(0)	X'0'	0	SSVSSNAM	"0" SSIB CONTAINS A SUBSYSTEM NAME, FIELD SSVSSCTP IS SET, AND (1) IF SSVSSTRT IS OFF, BIT SSVSUPSS IS SET OR (2) IF SSVSSTRT IS ON, THE SUBSYSTEM IS ACTIVE AND SUPPORTS JOB SELECTION
0	(0)	X'4'	0	SSVSJBNM	"4" NAME IS NOT NAME OF A SUBSYSTEM
0	(0)	X'8'	0	SSVSNACT	"8" SUBSYSTEM IS NOT ACTIVE (VALID ONLY IF SSVSSTRT IS ON). FIELDS SSVSSCTP AND SSVSNUM ARE SET.
0	(0)	X'C'	0	SSVSNSEL	"12" SUBSYSTEM DOES NOT SUPPORT JOB SELECTION (VALID ONLY IF SSVSSTRT IS ON). FIELDS SSVSSCTP AND SSVSNUM ARE SET.
0	(0)	X'0'	0	SSVSBGN	"*"
0	(0)	ADDRESS	2	SSVSLEN	VS EXTENSION LENGTH
2	(2)	BITSTRING	1	SSVSFLG1	FLAG BYTE
		1...		SSVSUPSS	"X'80'" SET BY MASTER SUBSYSTEM TO INDICATE THAT THE SPECIFIED SUBSYSTEM REQUIRES THE USE OF THE PRIMARY SUBSYSTEM'S SERVICES (E.G. SYSOUT)
		.1..		SSVSSTRT	"X'40'" TEST NAME IN SSIBJBID FOR ACTIVE SUBSYSTEM THAT SUPPORTS INTERNAL READER DATASETS
3	(3)	BITSTRING	1	SSVSFLG2	RESERVED FLAG BYTE
4	(4)	ADDRESS	4	SSVSSCTP	PTR TO SSCT OF THE SPECIFIED SUBSYSTEM-RETURNED BY THE MASTER SUBSYSTEM
4	(4)	X'8'	0	SSVSSIZS	"*-SSVSBGN" SHORT FORM LENGTH
4	(4)	X'8'	0	SSVSADD	"*" ADD ON TO VS EXTENSION
8	(8)	SIGNED	2	SSVSNUM	Subsystem's index for use with subsystem affinity service ON SSCVT CHAIN
10	(A)	SIGNED	2	SSVSRES1	RESERVED
12	(C)	SIGNED	4	SSVSRES2	RESERVED
16	(10)	SIGNED	4	SSVSRES3	RESERVED
16	(10)	X'14'	0	SSVSSIZE	"*-SSVSBGN" LONG FORM LENGTH
16	(10)	X'14'	0	SSOBLN1A	"SSOBHSIZ+SSVSSIZE" TOTAL SSOB LENGTH

SSVS Cross Reference

Name	Hex Offset	Hex Value
SSOBLN1A	10	14
SSOBVERS	0	F
SSVSADD	4	8
SSVSBGN	0	0
SSVSFLG1	2	
SSVSFLG2	3	
SSVSJBNM	0	4
SSVSLEN	0	
SSVSNACT	0	8
SSVSNSEL	0	C
SSVSNUM	8	
SSVSRES1	A	
SSVSRES2	C	
SSVSRES3	10	
SSVSSCTP	4	
SSVSSIZE	10	14
SSVSSIZS	4	8
SSVSSNAM	0	0
SSVSSTRT	2	40
SSVSUPSS	2	80

SSVT Heading Information

Common Name: Subsystem Vector Table
Macro ID: IEFJSSVT
DSECT Name: SSVT
Owning Component: Subsystem Interface (SC1B6)
Eye-Catcher ID: None
Storage Attributes: Main Storage: No
Virtual Storage: Yes
Auxiliary Storage: Yes
Subpool: Determined by caller of IEFSSVT. Must reside in common storage.
Key: 0
Data Space: No
Residency: ANY
Size: 260 bytes (decimal) plus 4 bytes for each function routine address slot reserved when the table is created. Maximum size 1284 bytes (decimal).
Created by: Subsystem Interface
Pointed to by: - SSCTSSVT field of the SSCVT data area
Serialization: The SSVT should be accessed only through the services provided by the IEFSSI and IEFSSVT macros.
Function: Indicates the SSI functions supported by the associated subsystem

SSVT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SSVT	
0	(0)	X'0'	0	SSVTBEGN	"*"
0	(0)	SIGNED	2	SSVTRSV1	RESERVED
2	(2)	SIGNED	2	SSVTFNUM	Maximum number of function routines supported by this vector table

Comment

```
256 BYTE FUNCTION MATRIX -
  THE SSOB FUNCTION ID MINUS ONE IS USED AS AN OFFSET INTO
  THIS MATRIX.
     MATRIX FUNCTION BYTE =0 : THE FUNCTION SPECIFIED IN THE
                               SSOB IS NOT SUPPORTED BY THIS
                               SUBSYSTEM.
     MATRIX FUNCTION BYTE ¬=0 : THE VALUE (FUNCTION BYTE-1) 4
                               IS ADDED TO THE ADDRESS OF
                               SSVTFRTN TO OBTAIN THE
                               ADDRESS OF THE WORD CONTAINING
                               THE FUNCTION ROUTINE POINTER FOR
                               THIS REQUEST.
```

End of Comment

4	(4)	BITSTRING	1	SSVTFCOD (0)	FUNCTION MATRIX
4	(4)	X'104'	0	SSVTFSIZ	"*-SSVTBEGN" SSVT FIXED AREA SIZE
260	(104)	SIGNED	4	SSVTFRTN	SSVTFRTN IS THE FIRST WORD OF A VARIABLE LENGTH MATRIX CONTAINING FUNCTION ROUTINE POINTERS FOR FUNCTIONS SUPPORTED BY THIS SUBSYSTEM. THE MATRIX CAN BE A MAXIMUM OF 256 WORDS LONG.
1284	(504)	X'504'	0	SSVTSIZE	"*-SSVTBEGN" MAXIMUM SSVT SIZE

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SSWA Heading Information

Common Name: SUBSYSTEM SCHEDULER WORK AREA
Macro ID: N/A
DSECT Name: N/A
Owning Component: N/A
Eye-Catcher ID: N/A
Offset: N/A
Length: N/A
Storage Attributes: Main Storage: N/A
Virtual Storage: N/A
Auxiliary Storage: N/A
Subpool: N/A
Key: N/A
Data Space: N/A
Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: PROVIDES MAPPING FOR THE (SSWA) SCHEDULER SUBSYSTEM WORK AREA.
THIS SWA BLOCK CONTAINS THE USER SPECIFIED SUBSYSTEM PARAMETERS FROM A SUBSYS DD CARD OR A DYNAMIC ALLOCATION REQUEST (KEYS DALSSNM AND DALSSPRM). THIS CONTROL BLOCK IS PASSED TO THE SUBSYSTEM AS PART OF THE SUBSYSTEM ALLOCATION REQUEST PROCESSING BY MODULE IEFAB427.

SSWA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	SSWA	SUBSYSTEM SCHEDULER WORK AREA
0	(0)	CHARACTER	8	SSWAHDR	FIXED LENGTH HEADER
0	(0)	SIGNED	2	SSWATYPE	TYPE FIELD
2	(2)	CHARACTER	4	SSWASSNM	SUBSYSTEM NAME
6	(6)	SIGNED	2	SSWAPRNO	NO OF LEN-PARM PAIRS@G29AN2F
8	(8)	CHARACTER	*	SSWAPREN	FIRST LEN-PARM ENTRY@G29AN2F
8	(8)	UNSIGNED	1	SSWAPLEN	LENGTH OF FIRST (OR ONLY) PARAMETER
9	(9)	CHARACTER	*	SSWAPVAL	VALUE OF FIRST (OR ONLY) PARAMETER

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	SSWAIFLD	INDIVIDUAL LEN-PARM PAIR MAP
0	(0)	UNSIGNED	1	SSWAILEN	LEN OF PARM ITEM
1	(1)	CHARACTER	*	SSWAIPRM	VALUE OF PARM ITEM

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SSWA Constants

Len	Type	Value	Name	Description
Comment				
THE FOLLOWING DECLARE DEFINES THE VALUE OF THE TYPE FIELD(SSWTYPE) FOR A SYSTEM GENERATED SSWA				
End of Comment				
2	DECIMAL	1	SSWASYST	SYSTEM CREATED SSWA

SSWA Cross Reference

Name	Hex Offset	Hex Value
SSWA	0	
SSWAHDR	0	
SSWAIFLD	0	
SSWAILEN	0	
SSWAIPRM	1	
SSWAPLEN	8	
SSWAPREN	8	
SSWAPRNO	6	
SSWAPVAL	9	
SSWASSNM	2	
SSWATYPE	0	

SSWT Programming Interface Information

Programming Interface Information

SSWT

End of Programming Interface Information

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SSWT Heading Information

Common Name: SSOB Extension for Write to Operator
Macro ID: IEFSSWT
DSECT Name: SSWT
Owning Component: JES3 (SC1BA)
Subpool and Key: User subpool and key
Size: 20 bytes for SSOB plus 16 bytes for SSWT
Created by: IEAVSWCH, IEAVVWTO, IEAVMWTO, IEEMB804
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list fo the subsystem interface.

SSWT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	X'9'	0	SSOBWTO	"9" WTO FUNCTION ID (SSOBFUNC)
0	(0)	X'21'	0	SSOBCONS	"33" CONSOLE STATUS FUNCTION ID
0	(0)	X'22'	0	SSOBWTL	"34" WTL FUNCTION ID

Comment

WRITE TO OPERATOR RETURN CODES (SSOBRETN)

End of Comment

0	(0)	X'0'	0	SSWTRTOK	"0" FUNCTION 9: CONTINUE NORMAL WTO PROCESSING AND HARDCOPY THE MESSAGE FUNCTION 34: CONTINUE NORMAL WTO PROCESSING
0	(0)	X'4'	0	SSWTNDSP	"4" FUNCTION 9: DO NOT DISPLAY THE WTO, BUT MCS SHOULD HARDCOPY IT FUNCTION 34: BYPASS WTO PROCESSING
0	(0)	X'8'	0	SSWTOKNH	"8" FUNCTION 9: DISPLAY THE WTO AND DO NOT HARDCOPY IT
0	(0)	X'C'	0	SSWTNDNH	"12" FUNCTION 9: DO NOT DISPLAY THE WTO AND DO NOT HARDCOPY IT
0	(0)	X'0'	0	SSWTBGN	"*"
0	(0)	ADDRESS	2	SSWTLEN	WTO EXTENSION LENGTH
2	(2)	BITSTRING	1	SSWTFLG1	FIRST GENERAL FLAG AREA
		1...		SSWTPSB1	"X'80'" FOR USE BY THE PRIMARY SUBSYSTEM (REPLACES WQEMCSK AND WMJMCS2C BITS OF THE WQE)
		.1..		SSWTPRSP	"X'40'" PRTY WAS SPECIFIED ON WTO
		..1.		SSWTMPFS	"X'20'" MESSAGE IS TO BE SUPPRESSED DUE TO MPF
		...1		SSWTMPFP	"X'10'" MESSAGE WAS PROCESSED BY MPF AND IS NOT TO BE SUPPRESSED
		.... 1...		SSWTNMOD	"X'08'" THE CHARACTERISTICS OF THE MESSAGE MAY NOT BE MODIFIED BY THE PRIMARY SUBSYSTEM
		.... .1..		SSWTSNSP	"X'04'" SYSTEM NAME WAS SPECIFIED ON WTO
		.... ..1.		SSWTSISP	"X'02'" SYSTEM ID WAS SPECIFIED ON WTO
3	(3)	ADDRESS	1	SSWTVRSN	VERSION LEVEL
3	(3)	X'1'	0	SSWT211	"1" VERSION LEVEL FOR OS/VS2 JBB2110
3	(3)	X'2'	0	SSWT220	"2" VERSION LEVEL FOR OS/VS2 JBB2220
3	(3)	X'2'	0	SSWTVRID	"SSWT220" VERSION LEVEL VALUE

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					FOLLOWING WTO SUBSYSTEM INTERFACES MAY EXIST -
					- SINGLE WTO OR FIRST LINE OF MULTI-LINE WTO:
					SSWTMIN, SSWTORE ARE 0
					- SECOND TO N-TH LINE OF MULTI-LINE WTO:
					SSWTORE IS 0
					- WTOR:
					SSWTMIN IS 0
					End of Comment
4	(4)	ADDRESS	4	SSWTWQE	WQE ADDRESS (MAJOR)
8	(8)	ADDRESS	4	SSWTMIN	MINOR WQE ADDRESS
12	(C)	ADDRESS	4	SSWTORE	OPERATOR REPLY ELEMENT ADDRESS
16	(10)	SIGNED	2	SSWTPRTY	PRIORITY TO BE ASSIGNED TO THIS MESSAGE
18	(12)	CHARACTER	2	SSWTRSV1	RESERVED
18	(12)	X'14'	0	SSWTSIZE	"*-SSWTBGN" WTO EXTENSION LENGTH
18	(12)	X'14'	0	SSOBLEN6	"SSOBHSIZ+SSWTSIZE" TOTAL SSOB LENGTH

SSWT Cross Reference

Name	Hex Offset	Hex Value
SSOBCONS	0	21
SSOBLEN6	12	14
SSOBWTL	0	22
SSOBWTO	0	9
SSWTBGN	0	0
SSWTFLG1	2	
SSWTLEN	0	
SSWTMIN	8	
SSWTMPFP	2	10
SSWTMPFS	2	20
SSWTNDNH	0	C
SSWTNDSP	0	4
SSWTNMOD	2	8
SSWTOKNH	0	8
SSWTORE	C	
SSWTPRSP	2	40
SSWTPRTY	10	
SSWTPSB1	2	80
SSWTRSV1	12	
SSWTRTOK	0	0
SSWTSISP	2	2
SSWTSIZE	12	14
SSWTSNSP	2	4
SSWTVRID	3	2
SSWTVRSN	3	
SSWTWQE	4	
SSWT211	3	1
SSWT220	3	2

STAB Heading Information

Common Name: Subname mapping.
Macro ID: ITTSTAB
DSECT Name: N/A
Owning Component: N/A
Eye-Catcher ID: N/A
Offset: N/A
Length: N/A
Storage Attributes: Main Storage: N/A
Virtual Storage: N/A
Auxiliary Storage: N/A
Subpool: N/A
Key: N/A
Data Space: N/A
Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: Mapping of the subname node for the TRACE being processed.

STAB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ITTSTAB	
0	(0)	CHARACTER	1	STABLEN (8)	* Array with the length of each subname in the SUBNSTRG.
8	(8)	CHARACTER	256	STABSTRG	* List of subnames. Use STABLEN to determine the length and location of each subname.

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STCB Programming Interface information

Programming Interface information

STCB

ONLY the following fields are part of the programming interface information:

- STCBDB2
- STCBFLC0
- STCBFLG2
- STCBFLG6
- STCBFPFL
- STCBIPKF
- STCBIPKM
- STCBOTCB
- STCBTTCB
- STCBVREQ
- STCBVTME

End of Programming Interface information

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STCB Heading Information

Common Name: Secondary Task Control Block (TCB)
Macro ID: IHASTCB
DSECT Name: STCB
Owning Component: Task Management (SC1CL)
Eye-Catcher ID: STCB
Offset: 0
Length: 4
Storage Attributes: Subpool: 253 (ELSQA)
Key: 0
Residency: Above 16 MB line
Size: OFFSET OF STCBEND MINUS THE OFFSET OF STCB
Created by: IEAVEMIN
IEAVEATO
IEAMSWCB
Pointed to by: TCBSTCB field of the TCB data areas
Serialization: Depends on the field
Function: The secondary task control block (STCB) allows task-related information to be kept above 16 megabytes.

STCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STCB	SECONDARY TCB
0	(0)	DBL WORD	8	STCBEGIN (0)	BEGINNING OF STCB
0	(0)	CHARACTER	4	STCBSTCB	ACRONYM IN EBCDIC -STCB-
4	(4)	ADDRESS	4	STCBRACP	POINTER TO RACF DATA FOR THIS TASK. OWNERSHIP: RACF. SERIALIZATION: NONE.
8	(8)	ADDRESS	4	STCBDIVF	POINTER TO 1ST DOA (DIV OBJECT ACCESS CONTROL BLOCK) FOR TCB. OWNERSHIP: DIV. SERIALIZATION: CML LOCK.
12	(C)	ADDRESS	4	STCBDIVL	POINTER TO LAST DOA FOR TCB. OWNERSHIP: DIV. SERIALIZATION: CML LOCK.
16	(10)	BITSTRING	2	STCBAFNS	ORIGINAL CPU AFFINITY SAVE AREA USED TO SAVE TCBAFFN
18	(12)	SIGNED	2	STCBCTSC	Number of consecutive dispatches remaining for this task
20	(14)	ADDRESS	4	STCBVSSA	ADDRESS OF VECTOR STATUS SAVE AREA OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: LOCAL LOCK TO WRITE AND TCBACTIV TO READ
24	(18)	BITSTRING	1	STCBVAFN	VECTOR AFFINITY AND STATUS SAVED INDICATORS OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: TASK MODE IS TCBACTIV SRB MODE IS LOCAL LOCK
		1...		STCBVMCK	"X'80'" VECTOR STATUS LOST DUE TO MACHINE CHECK
		.1..		STCBSLID	"X'40'" LOGICAL CPU ID MASK
		..1.		STCBVISA	"X'20'" VECTOR STATUS SAVED IN VSSA
		 1111		STCBSLCI	"X'0F'" IF STCBSLID IS ON THEN THIS NIBBLE IS THE PHYSICAL CPU ID
25	(19)	BITSTRING	1	STCBFLG1	FLAG BYTE OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: TASK MODE IS TCBACTIV SRB MODE IS LOCAL LOCK
		1...		STCBPIQ	"X'80'" INDICATES TO STAGE 3 EXIT EFFECTOR THAT IRB QUEUEING IS PROHIBITED. USE ONLY FOR ASYMMETRIC FEATURE PROCESSING.
		.1..		STCBVFRV	"X'40'" INDICATES THE USER IS NOT RACF AUTHORIZED TO THE VECTOR FACILITY
		..1.		STCBVFRD	"X'20'" INDICATES THE VECTOR SLIH HAS PERFORMED THE RACF AUTHORIZATION CHECKING
		...1		STCBSST	"X'10'" Indicates that the task is a Subspace task.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... 1...		STCBCLUP	"X'08'" Cleanup only 991006
		.... .1..		STCBILM	"X'04'" Some ILM work done for this
26	(1A)	BITSTRING	2		Reserved
28	(1C)	ADDRESS	4	STCBVFRB	ADDRESS OF THE RB STOPPED BY THE VECTOR SLIH PENDING VECTOR ENVIRONMENT CREATION. OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: DISP LOCK
32	(20)	ADDRESS	4	STCBALOV	WORK UNIT ACCESS LIST VIRTUAL ADDRESS. OWNERSHIP: PC/AUTH. SERIALIZATION: TCBACTIV.
36	(24)	ADDRESS	4	STCBALD	WORK UNIT ACCESS LIST DESIGNATOR. BITS 1-24 WITH SEVEN ZEROES APPENDED ON THE RIGHT FORM THE 31-BIT REAL ADDRESS OF THE WORKUNIT'S ACCESS LIST. BITS 25-31 REPRESENT THE NUMBER OF 128 BYTE ACCESS LISTS, MINUS ONE. OWNERSHIP: PC/AUTH. SERIALIZATION: TCBACTIV.
40	(28)	ADDRESS	4	STCBDUCV	VIRTUAL ADDRESS OF THE DUCT. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: TCBACTIV.
44	(2C)	ADDRESS	4	STCBDUCR	REAL ADDRESS OF THE DUCT. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: TCBACTIV.
48	(30)	BITSTRING	64	STCBARS (0)	ACCESS REGISTER SAVEAREA. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: DISABLEMENT.
48	(30)	SIGNED	4	STCBAR0	ACCESS REGISTER 0 SAVE AREA.
52	(34)	SIGNED	4	STCBAR1	ACCESS REGISTER 1 SAVE AREA.
56	(38)	SIGNED	4	STCBAR2	ACCESS REGISTER 2 SAVE AREA.
60	(3C)	SIGNED	4	STCBAR3	ACCESS REGISTER 3 SAVE AREA.
64	(40)	SIGNED	4	STCBAR4	ACCESS REGISTER 4 SAVE AREA.
68	(44)	SIGNED	4	STCBAR5	ACCESS REGISTER 5 SAVE AREA.
72	(48)	SIGNED	4	STCBAR6	ACCESS REGISTER 6 SAVE AREA.
76	(4C)	SIGNED	4	STCBAR7	ACCESS REGISTER 7 SAVE AREA.
80	(50)	SIGNED	4	STCBAR8	ACCESS REGISTER 8 SAVE AREA.
84	(54)	SIGNED	4	STCBAR9	ACCESS REGISTER 9 SAVE AREA.
88	(58)	SIGNED	4	STCBAR10	ACCESS REGISTER 10 SAVE AREA.
92	(5C)	SIGNED	4	STCBAR11	ACCESS REGISTER 11 SAVE AREA.
96	(60)	SIGNED	4	STCBAR12	ACCESS REGISTER 12 SAVE AREA.
100	(64)	SIGNED	4	STCBAR13	ACCESS REGISTER 13 SAVE AREA.
104	(68)	SIGNED	4	STCBAR14	ACCESS REGISTER 14 SAVE AREA.
108	(6C)	SIGNED	4	STCBAR15	ACCESS REGISTER 15 SAVE AREA.
112	(70)	ADDRESS	4	STCBLSSD	VIRTUAL ADDRESS OF THE LSSD FOR THE TASK. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: LOCAL LOCK.
116	(74)	ADDRESS	4	STCBLSDP	LINKAGE STACK ENTRY DESCRIPTOR (LSED) POINTER. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: DISABLEMENT.
120	(78)	DBL WORD	8	STCBRME (0)	TASK RELATED RESOURCE MANAGER QUEUE POINTERS. OWNERSHIP: RTM. SERIALIZATION: LOCAL LOCK.
120	(78)	ADDRESS	4	STCBRMEF	POINTER TO HEAD OF TASK RELATED RESOURCE MANAGER QUEUE.
124	(7C)	ADDRESS	4	STCBRMEL	POINTER TO TAIL OF TASK RELATED RESOURCE MANAGER QUEUE.
128	(80)	ADDRESS	4	STCBESTK	VIRTUAL ADDRESS OF THE LINKAGE STACK ENTRY DESCRIPTOR (LSED) REPRESENTING AN EMPTY LINKAGE STACK. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: N/A.
132	(84)	BITSTRING	1	STCBFLG2	FLAG BYTE OWNERSHIP: RTM,CSV. SERIALIZATION: LOCAL LOCK.
		1...		STCBRMET	"X'80'" IF ON, INDICATES TASK IS IN TERMINATION AND NO FURTHER RESOURCE MANAGER REQUESTS WILL BE HONORED.
		.1..		STCBINRT	"X'40'" The task is processing within RTLS. An IRB must not issue a CSVRTLS request.
		..1.		STCBPROP	"X'20'" ATTACH is propagating the PKM.
133	(85)	BITSTRING	1	STCBFLG3	FLAG BYTE OWNERSHIP: RTM. SERIALIZATION: TCBACTIV
		1...		STCBNCNL	"X'80'" TASK IS NOT SUBJECT TO CANCEL OR DETACH.
		.1..		STCBNOAB	"X'40'" NCNL EXTENSION

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		..1.		STCBRTNC	"X'20'" ABTERMS OF THIS TASK ARE TO BE DEFERRED WHILE RTM2 PROCESSING IS ACTIVE
134	(86)	SIGNED	2	STCBNSTP	COUNT OF REQUESTS TO IGNORE SRB TO TASK PERCOLATIONS OWNERSHIP: RTM. SERIALIZATION: TCBACTIV
136	(88)	ADDRESS	4	STCBTLSD	ADDRESS OF TASK RELATED LSSD FOR THE LINKAGE STACK FROM DREF STORAGE
140	(8C)	ADDRESS	4	STCBTLSP	ADDRESS OF TASK RELATED INITIAL LSED FOR THE LINKAGE STACK FROM DREF STORAGE
144	(90)	CHARACTER	16	STCBTTKN	TTOKEN FOR THIS TASK OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: LOCAL LOCK
160	(A0)	ADDRESS	4	STCBALOC	POINTER TO DYNAMIC STORAGE BUFFER OWNERSHIP: ALLOCATION SERIALIZATION: NONE
164	(A4)	BITSTRING	2	STCBR0A4	RESERVED.
166	(A6)	BITSTRING	2	STCBTAFA	Transient feature affinity. SERIALIZATION: TCBACTIV OWNERSHIP: SUPERVISOR CONTROL
168	(A8)	DBL WORD	8	STCBVTME	VECTOR TIME. OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: TCBACTIV
176	(B0)	SIGNED	4	STCBMEMC	Count of XCF members under this task. OWNERSHIP: XCF. SERIALIZATION: Compare-and-Swap.
180	(B4)	BITSTRING	1	STCBXCFF	XCF FLAG. OWNERSHIP: XCF. SERIALIZATION: TCBACTIV.
		1...		STCBSUSM	"X'80'" Bit flag for use by XCF.
181	(B5)	BITSTRING	1	STCBFLG4	Flag byte 4.
		1...		STCBENFL	"X'80'" If on, indicates task issued ENF listen request. Ownership: ENF. Serialization: None.
182	(B6)	BITSTRING	1	STCBFLG5	Flag byte 5.
		1...		STCBUNCK	"X'80'" If on, user requests no checkpoint. Ownership: Scheduler/Allocation. Serialization: None.
		.1..		STCBENCK	"X'40'" If on, checkpoint not honored due to environmental constraints. Ownership: Scheduler/Allocation. Serialization: None.
		..1.		STCBOPTC	"X'20'" If on, indicates task is running under control of the OpenMVS Ptrace debugger. Ownership: OpenMVS. Serialization: Compare-and-Swap
183	(B7)	BITSTRING	1	STCBFLG6	Flag byte 6. Serialization: None
		1...		STCBSATF	"X'80'" If on, indicates that RACF should check TCBNCTL in this TCB rather than finding the jobstep TCB when performing program protection.
184	(B8)	ADDRESS	4	STCBDFTS	ADDRESS OF THE DFP-SMSX STRUCTURE FOR THE TASK. OWNERSHIP: DFP. SERIALIZATION: NONE
188	(BC)	ADDRESS	4	STCBJSAB	ADDRESS OF JOB SCHEDULER ADDRESS SPACE BLOCK. OWNERSHIP: CONTROLLING JOB SCHEDULER. SERIALIZATION: SEE MACRO IAZXJSAB.
192	(C0)	ADDRESS	4	STCBTTCB	TCPIP STCB Extension Ownership: TCPIP Serialization: Compare and Swap when this task is activated as a TCPIP client
196	(C4)	SIGNED	4	STCBRGSV (0)	Registration Services Indicators Ownership: Registration Services Serialization: RegServ Lock.
196	(C4)	BITSTRING	1	STCBRGS1	First Byte of Indicators
		1...		STCBRGRM	"X'80'" Task has registered as one or more resource managers.
		.1..		STCBRGEM	"X'40'" Task has registered as one or more exit managers.
197	(C5)	BITSTRING	3	STCBRGS2	Unused but reserved by CRG
200	(C8)	ADDRESS	4	STCBNTTP	Address of task level Name/Token header. Ownership: Supervisor Control. Serialization: Local lock.
204	(CC)	SIGNED	4	STCBCON#	NUMBER OF IXLCONNS IN EFFECT FOR THIS TASK. OWNERSHIP: SYSTEM LOCK MANAGER. SERIALIZATION: TCBACTIV.
208	(D0)	SIGNED	4	STCBRCTS (0)	REFERENCE PATTERN COUNTS. OWNERSHIP: RSM. SERIALIZATION: RSMAD LOCK FOR THE ADDRESS SPACE OF THE TASK.
208	(D0)	SIGNED	2	STCBARCT	NUMBER OF REFERENCE PATTERNS SPECIFIED FOR ADDRESS SPACE VIRTUAL STORAGE.
210	(D2)	SIGNED	2	STCBDRCT	NUMBER OF REFERENCE PATTERNS SPECIFIED FOR DATA SPACE VIRTUAL STORAGE.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
212	(D4)	BITSTRING	4	STCBDFP	RESERVED FOR USE BY DFP. OWNERSHIP: DFP. SERIALIZATION: LOCAL LOCK.
		1...		STCBOAM	"X'80'" TASK IS A USER OF OAM RESOURCES.
216	(D8)	ADDRESS	4	STCBOTCB	Address of OpenMVS Task Control Block. Ownership: OpenMVS. Serialization: Local lock.
220	(DC)	ADDRESS	4	STCBCDXH	ADDRESS OF THE JOB PACK QUEUE CDE EXTENSIONS HASH TABLE. OWNERSHIP: CONTENTS SUPERVISOR (CSV) SERIALIZATION: LOCAL LOCK.
224	(E0)	ADDRESS	4	STCBSJST	ADDRESS OF THE LOCAL STORAGE OBTAINED BY THE SJF CONTROL MODULE. OWNERSHIP: SCHEDULER JCL FACILITY. SERIALIZATION: NONE.
228	(E4)	ADDRESS	4	STCBATAD	Address of the ATTACH SVC in the routine which created this task.
232	(E8)	ADDRESS	4	STCBWEB	Address of task's WEB. SERIALIZATION: Disablement. OWNERSHIP: Task Management.
236	(EC)	SIGNED	4	STCBSEQN	RB Sequence Number Counter. Ownership: Supervisor Control. Serialization: Compare-and-Swap.
240	(F0)	SIGNED	2	STCBXCNT	EXCP count per TCB. Ownership: EXCP. Serialization: Local lock.
242	(F2)	BITSTRING	1	STCBCONS	Console Flag. Ownership: Consoles. Serialization: None.
		1...		STCBWTO	"X'80'" Jobstep TCB issued a WTO
243	(F3)	BITSTRING	1	STCBFLG7	Flag byte 7.
		1...		STCBRTLS	"X'80'" Internal use only
		.1..		STCBRTLA	"X'40'" Internal use only
244	(F4)	SIGNED	4	STCBPECB	ECB used internally by RTM processing during task termination. Ownership: RTM. Serialization: Local lock.
248	(F8)	ADDRESS	4	STCBIXGL	Pointer to SLC task related information. Ownership: System Logger. Serialization: Local lock.
252	(FC)	ADDRESS	4	STCBDETA	Address of Task being Detached by this Task. Ownership: Detach Serialization: Local Lock
256	(100)	ADDRESS	4	STCBPQUE	Address of the next Task that requires Parallel Detach protection Ownership: RTM Serialization: Local Lock
260	(104)	CHARACTER	4	STCBR104	Reserved.
264	(108)	ADDRESS	4	STCBSTSB	Address of the STSB (IWMSTSB). Ownership: WLM Serialization: WLMQ lock.
268	(10C)	CHARACTER	8	STCBEUTK	Execution unit token for this task Ownership: WLM
276	(114)	ADDRESS	4	STCBENCR	Address of the root task in the current attach chain. NOTE: This field is only valid if this task's WEBTYPE=WEBTETCB. Ownership: Supervisor Serialization: TCBACTIV (executing under task in module IEAVJOIN.)
280	(118)	SIGNED	4	STCBENCC	Count of subtasks that have joined the root task's enclave via attach. NOTE: This field is only valid for the root tcb (STCBENCR). Also, it is only valid if the root tcb's WEBTYPE is WEBTETCB. Ownership: Supervisor Serialization: Enclave queue lock.
284	(11C)	ADDRESS	4	STCBDB2	Token used by DB/2. Serialization: TCBACTIV
288	(120)	CHARACTER	4	STCBR120	Reserved.
292	(124)	CHARACTER	4	STCBPMOM	Address of purge-only Mother Task Ownership: RTM Serialization: local lock
296	(128)	CHARACTER	4	STCBOFLG	Openedition flags
300	(12C)	ADDRESS	4	STCBBCBA	Address of SOMObjects data structure Ownership: SOMObjects for OS/390 Serialization: CS
304	(130)	BITSTRING	4	STCBFLCS	CS-serialized flags
304	(130)	BITSTRING	1	STCBFLC0	Byte 0 of CS-serialized flags
		1...		STCBTRST	"X'80'" RACF program control trust
		.1..		STCBNTRS	"X'40'" RACF program control non-trust
		..1.		STCBPSEN	"X'20'" Copy of RCVTPSEN at the time the task was attached. Valid only for jobstep task
		...1		STCBPSBA	"X'10'" RACF basic program security
305	(131)	BITSTRING	1	STCBFLC1	Byte 1 of CS-serialized flags
306	(132)	BITSTRING	1	STCBFLC2	Byte 2 of CS-serialized flags
307	(133)	BITSTRING	1	STCBFLC3	Byte 3 of CS-serialized flags

STCB Cross Reference

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
308	(134)	BITSTRING	4	STCBVREQ	State of outstanding VTAM requests for this task. Ownership: VTAM Serialization: Modified only by VTAM requests running under this task.
312	(138)	CHARACTER	100	STCBAFPR	FP save area: 1,3,5,7-15,FPCR
412	(19C)	BITSTRING	1	STCBFPFL	FP Flags
		1...		STCBBFP	"X'80'" Extended FP saving rqd
		...1		STCBVSS	"X'10'" Vector status saving. This bit reflects the STCBVISA value, in the same byte as STCBBFP so that the dispatcher can check both with one test
413	(19D)	BITSTRING	1	STCBIPKF	Initial PKF. This is used to deal with propagating PKM. If you change TCBPKF, you should change STCBIPKF to match if you want PKM propagation.
414	(19E)	BITSTRING	2	STCBIPKM	Initial PKM. This is used to deal with propagating PKM. If you change TCBPKF, you should change STCBIPKM to match if you want PKM propagation.
416	(1A0)	BITSTRING	64	STCBG64H	High halves of 64-bit GPRs
480	(1E0)	DBL WORD	8	STCBEND (0)	END OF STCB.

STCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
STCB	0		STCBENCC	118	
STCBAFNS	10		STCBENCK	B6	40
STCBAFPR	138		STCBENCR	114	
STCBALD	24		STCBEND	1E0	
STCBALOC	A0		STCBENFL	B5	80
STCBALOV	20		STCBESTK	80	
STCBARCT	D0		STCBEUTK	10C	
STCBARS	30		STCBFLCS	130	
STCBAR0	30		STCBFLC0	130	
STCBAR1	34		STCBFLC1	131	
STCBAR10	58		STCBFLC2	132	
STCBAR11	5C		STCBFLC3	133	
STCBAR12	60		STCBFLG1	19	
STCBAR13	64		STCBFLG2	84	
STCBAR14	68		STCBFLG3	85	
STCBAR15	6C		STCBFLG4	B5	
STCBAR2	38		STCBFLG5	B6	
STCBAR3	3C		STCBFLG6	B7	
STCBAR4	40		STCBFLG7	F3	
STCBAR5	44		STCBFPFL	19C	
STCBAR6	48		STCBG64H	1A0	
STCBAR7	4C		STCBILM	19	4
STCBAR8	50		STCBINRT	84	40
STCBAR9	54		STCBIPKF	19D	
STCBATAD	E4		STCBIPKM	19E	
STCBBCBA	12C		STCBIXGL	F8	
STCBBFP	19C	80	STCBJSAB	BC	
STCBCDXH	DC		STCBLSDP	74	
STCBCLUP	19	8	STCBLSSD	70	
STCBCON#	CC		STCBMEMC	B0	
STCBCONS	F2		STCBNCNL	85	80
STCBCTSC	12		STCBNOAB	85	40
STCBDB2	11C		STCBNSTP	86	
STCBDETA	FC		STCBNTRS	130	40
STCBDFP	D4		STCBNTTP	C8	
STCBDFTS	B8		STCBOAM	D4	80
STCBDIVF	8		STCBOFLG	128	
STCBDIVL	C		STCBOPTC	B6	20
STCBDRCT	D2		STCBOTCB	D8	
STCBDUCR	2C		STCBPECB	F4	
STCBDUCV	28		STCBPIQ	19	80
STCBEGIN	0		STCBPMOM	124	

Name	Hex Offset	Hex Value
STCBPQUE	100	
STCBPROP	84	20
STCBPSBA	130	10
STCBPSEN	130	20
STCBRACP	4	
STCBRCTS	D0	
STCBRGEM	C4	40
STCBRGRM	C4	80
STCBRGSV	C4	
STCBRGS1	C4	
STCBRGS2	C5	
STCBRME	78	
STCBRMEF	78	
STCBRMEL	7C	
STCBRMET	84	80
STCBRTLA	F3	40
STCBRTLS	F3	80
STCBRTNC	85	20
STCBR0A4	A4	
STCBR104	104	
STCBR120	120	
STCBSATF	B7	80
STCBSEQN	EC	
STCBSJST	E0	
STCBSLCI	18	F
STCBSLID	18	40
STCBSST	19	10
STCBSTCB	0	
STCBSTSB	108	
STCBSUSM	B4	80
STCBTAFA	A6	
STCBTLSD	88	
STCBTLSP	8C	
STCBTRST	130	80
STCBTTCB	C0	
STCBTTKN	90	
STCBUNCK	B6	80
STCBVAFN	18	
STCBVFRB	1C	
STCBVFRD	19	20
STCBVFRV	19	40
STCBVISA	18	20
STCBVMCK	18	80
STCBVREQ	134	
STCBVSS	19C	10
STCBVSSA	14	
STCBVTME	A8	
STCBWEB	E8	
STCBWTO	F2	80
STCBXCFF	B4	
STCBXCNT	F0	

STKE Heading Information

Common Name: PCLINK Stack Element (STKE)
Macro ID: IHASTKE
DSECT Name: STKE
Owning Component: PC/AUTH (SCXMS)
Eye-Catcher ID: STKE
Offset: 0
Length: 4
Storage Attributes: Subpool: For local pools: 255 For global pool: 239
Key: For local pools: 0 For global pool: 0
Size: 56 bytes
Created by: IEAVXSTK
Pointed to by: PSASTKE, XSBSTKE, STKHAEP, STKEPREV
When the STKE is on the free queue, the origin is STKHAEP and the link field is STKEPREV.
When the STKE is in use, the origin is PSASTKE or XSBSTKE and the link field is STKEPREV.
Serialization: None
Function: Maps the local and global PCLINK stack elements, which form the control blocks for the PCLINK STACK/UNSTACK/EXTRACT services.

STKE Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	56	STKE	BEGINNING OF STACK ELEMENT
0	(0)	CHARACTER	4	STKESTKE	STKE acronym, STKE in all extents except the first which has STKP instead
4	(4)	ADDRESS	4	STKEHEAD	ADDRESS OF POOL HEADER
8	(8)	CHARACTER	8	STKEINFO	STACK INFORMATION FOR PREVIOUS STKE (PSASTKE OR XSBSTKE HAS THE CORRESPONDING INFORMATION FOR THE TOP STKE FOR AN RB OR SRB.)
8	(8)	UNSIGNED	2	STKEPTKN	TOKEN OF PRIOR ELEMENT
10	(A)	BITSTRING	2	STKEPASD	ASID OF PRIOR ELEMENT
12	(C)	ADDRESS	4	STKEPREV	ADDRESS OF PRIOR ELEMENT (IF IN USE) OR NEXT FREE ELEMENT (IF NOT IN USE)
16	(10)	BITSTRING	1	STKEPGMM	PROGRAM MASK FROM PSW OF CALLER
17	(11)	BITSTRING	1	STKERSV1	RESERVED
18	(12)	BITSTRING	2	STKEASID	ASID OF POOL
20	(14)	ADDRESS	4	STKESA	PREVIOUS SAVE AREA
24	(18)	ADDRESS	4	STKERET	RETURN ADDRESS
28	(1C)	UNSIGNED	4	STKEPR15	PARAMETER REGISTER 15
32	(20)	UNSIGNED	4	STKEPRM0	PARAMETER REGISTER 0
36	(24)	UNSIGNED	4	STKEPRM1	PARAMETER REGISTER 1
40	(28)	BITSTRING	4	STKEKEY	
40	(28)	BITSTRING	3	STKEREG2	BITS 8-31 OF REG 2 OF CALLER
43	(2B)	BITSTRING	1	STKEKEY2	PSW KEY OF CALLER IN BITS 0-3
44	(2C)	BITSTRING	2	STKEKMSK	PSW KEY MASK (PKM) OF CALLER
46	(2E)	BITSTRING	2	STKECASD	PASID OF CALLER
48	(30)	ADDRESS	4	STKELPTR	LATENT PARAMETER POINTER
52	(34)	ADDRESS	4	STKEEPA	ENTRY POINT ADDRESS. IF BIT0=1, 31-BIT ADDRESSING MODE. IF BIT0=0, 24-BIT ADDRESSING MODE AND BITS 1-7 ARE UNPREDICTABLE
56	(38)	CHARACTER	0	STKEEND	END OF STKE

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STKE Cross Reference

Name	Hex Offset	Hex Value
STKE	0	
STKEASID	12	
STKECASD	2E	
STKEEND	38	
STKEEPA	34	
STKEHEAD	4	
STKEINFO	8	
STKEKEY	28	
STKEKEY2	2B	
STKEKMSK	2C	
STKELPTR	30	
STKEPASD	A	
STKEPGMM	10	
STKEPREV	C	
STKEPRM0	20	
STKEPRM1	24	
STKEPR15	1C	
STKEPTKN	8	
STKEREG2	28	
STKERET	18	
STKERSV1	11	
STKESA	14	
STKESTKE	0	

SVCTABLE Heading Information

Common Name: SVC Table Entry
Macro ID: IHASVC
DSECT Name: SVC Table Entry: SVCENTRY SVC Update Recording Table Entry: SVCURT
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: None
Storage Attributes: Subpool: Nucleus
Key: 0
Residency: Above 16M
Size: SVC table: 8 bytes per entry, 256 entries
SVC update recording table: 24 bytes per entry, 256 entries
Created by: SVC table: IEAVSVCT
SVC update recording table: IEAVSVCR
Pointed to by: SVC table: SCVTSVCT field of the SCVT data area
SVC update recording table: SCVTSVCR field of the SCVT data area
Serialization: Controlled by the SVC table update service (IEAVESTU)
Function: SVC table: Each entry contains information for a particular SVC function--the SVC entry point address, type, APF authorized, and locks needed before the module can be executed. SVC update recording table: Each entry contains a record of an update of the corresponding SVC table entry.
Note: Entries in the SVC table are updated at IPL time from the SYS1.PARMLIB member IEASVCnn, or dynamically by the SVCUPDTE macro.

SVCTABLE Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SVCENTRY	
0	(0)	ADDRESS	4	SVCEP	SVC ENTRY POINT ADDRESS
		1...		SVCAMODE	"X'80'" AMODE INDICATOR
4	(4)	SIGNED	2	SVCATTR1 (0)	ATTRIBUTES
4	(4)	BITSTRING	1	SVCTP	TYPE FIELD
		....		SVCTP1	"X'00'" TYPE 1 SVC
		1...		SVCTP2	"X'80'" TYPE 2 SVC
		11..		SVCTP34	"X'C0'" TYPE 3 OR 4 SVC
		..1.		SVCTP6	"X'20'" TYPE 6 SVC
		.... 1...		SVCAPF	"X'08'" APF AUTHORIZED 1-AUTHORIZED
		.... .1..		SVCESR	"X'04'" SVC IS A PART OF THE ESR
		.... ..1.		SVCNP	"X'02'" NON-PREEMPTIVE SVC
		1		SVCASF	"X'01'" SVC CAN BE ASSISTED
5	(5)	BITSTRING	1	SVCATTR3	ATTRIBUTES
		1...		SVCAR	"X'80'" SVC MAY BE ISSUED IN AR ASC MODE
		1		SVCSSESR	"X'01'" Only applies to a subsystem screening table. Must be off for SVC entries.
6	(6)	SIGNED	2	SVCLOCKS	LOCK ATTRIBUTES
		1...		SVCLL	"X'80'" LOCAL LOCK NEEDED
		.1..		SVCCMS	"X'40'" CMS LOCK NEEDED
		..1.		SVCOPT	"X'20'" OPT LOCK NEEDED
		...1		SVCALLOC	"X'10'" SALLOC LOCK NEEDED
		.... 1...		SVCDISP	"X'08'" DISP LOCK NEEDED

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SVCTABLE Cross Reference

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
Comment					
MAPPING FOR ESR TABLE ENTRY					
End of Comment					
6	(6)	X'0'	0	SVCESRAD	"SVCEP,4" ADDRESS OF ESR TABLE IF SVCESR IS ON
6	(6)	X'4'	0	SVCESRMX	"SVCATTR1,4" MAXIMUM ESR NUMBER SUPPORTED BY THIS ESR

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVCURT	
0	(0)	DBL WORD	8	(0)	
0	(0)	CHARACTER	24	SVCURTE (0)	ENTRY FOR 1 SVC
0	(0)	SIGNED	4	SVCURESR (0)	UR table for ESR
0	(0)	CHARACTER	8	SVCUROLD	OLD SVC TABLE ENTRY
8	(8)	SIGNED	4	SVCURRET	RETURN ADDRESS IN CALLER OF DYNAMIC SVC UPDATE SERVICE
12	(C)	SIGNED	4	SVCURNEW	NEW SVC ENTRY POINT ADDRESS IF THIS MATCHES SVCEP IN SVC TABLE ENTRY, THEN DATA REPRESENTS CHANGE DATA FOR THAT ENTRY
16	(10)	SIGNED	4	SVCURDAT	CVTDATE FOR UPDATE
20	(14)	SIGNED	2	SVCURCNT	COUNT OF UPDATES FOR SVC
22	(16)	CHARACTER	2	SVCURSX	SUFFIX OF SYS1.PARMLIB MEM. CONTAINING SVCPARM STATEMENT IF REQUEST TO UPDATE SVC ENTRY WAS VIA IEASVCxx SYS1.PARMLIB MEMBERS

SVCTABLE Cross Reference

Name	Hex Offset	Hex Value
SVCALLOC	6	10
SVCAMODE	0	80
SVCAPF	4	8
SVCAR	5	80
SVCASF	4	1
SVCATTR1	4	
SVCATTR3	5	
SVCCMS	6	40
SVCDISP	6	8
SVCENTRY	0	
SVCEP	0	
SVCESR	4	4
SVCESRAD	6	0
SVCESRMX	6	4
SVCLL	6	80
SVCLOCKS	6	
SVCNP	4	2
SVCOPT	6	20
SVCSSESR	5	1
SVCTP	4	
SVCTP1	4	0
SVCTP2	4	80
SVCTP34	4	C0
SVCTP6	4	20
SVCURCNT	14	
SVCURDAT	10	
SVCURESR	0	
SVCURNEW	C	
SVCUROLD	0	
SVCURRET	8	
SVCURSX	16	
SVCURT	0	
SVCURTE	0	

SVT Programming Interface information

Programming Interface information

SVT

ONLY the following field is part of the programming interface information:

- SVTSSTSV

End of Programming Interface information

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SVT Heading Information

Common Name: Supervisor Vector Table
Macro ID: IHASVT
DSECT Name: SVT
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: None
Storage Attributes: Residency: Nucleus
Size: Offset of SVTEND minus offset of SVT
Created by: IEAVESVT
Pointed to by: CVTSVT field of the CVT data area
PSASVT field of the PSA data area
Serialization: SVTDSREQ - Dispatcher lock
SVTGSMQ, GSPL, LSMQ, SVTWAS - Compare & Swap
SVTDACTV - Disablement
SVTPWAIT - Disablement
Function: Contains service routine addresses and control blocks used by Supervisor Control.

SVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVT	
0	(0)	ADDRESS	4	SVTISECT	"V(IEAVEINT)" ADDRESS OF INTERSECT ROUTINE
4	(4)	ADDRESS	4	SVTGSCH1	"V(IEAVESC3)" ADDRESS OF GLOBAL SCHEDULE ROUTINE FOR ENABLED USERS
8	(8)	ADDRESS	4	SVTGSCH2	"V(IEAVESC4)" ADDRESS OF GLOBAL SCHEDULE ROUTINE FOR DISABLED USERS
12	(C)	BITSTRING	4	SVTR00C	Reserved. SERIALIZATION: None OWNERSHIP: Supervisor Control
16	(10)	ADDRESS	4	SVTWEEF	Address of the first WEB Extent Element Pool. SERIALIZATION: Compare and Swap or Global Recovery protocols. OWNERSHIP: Supervisor Control
20	(14)	ADDRESS	4	SVTRSCS	"V(IEAVRSCS)" RESUME CONDITIONAL ENTRY PT
24	(18)	SIGNED	4	SVTJSTEQ	JOB STEP TIME EXCEEDED QUE
28	(1C)	SIGNED	4	SVTDSREQ (0)	DISPATCHER SERIALIZATION REQUIRED
28	(1C)	BITSTRING	1	SVTSRQ1	FIRST BYTE OF SVTDSREQ
		1...		SVTDSG4	"X'80'" SIGNAL WAITING PROCESSORS
		.1..		SVTDFLT	"X'40'" DEFAULT GLOBAL INTERSECT
29	(1D)	BITSTRING	1	SVTSRQ2	SECOND BYTE OF SVTDSREQ
		1...		SVTDSG3	"X'80'" SIGNAL WAITING PROCESSORS
		.... ..1.		SVTSRM1	"X'02'" SRM IS INTERSECTING
		1		SVTQVER	"X'01'" Q VERIFICATION INTERSECTING
30	(1E)	BITSTRING	1	SVTSRQ3	THIRD BYTE OF SVTDSREQ
		1...		SVTDSG2	"X'80'" SIGNAL WAITING PROCESSORS
		.1..		SVTRCTI	"X'40'" RCT INTERSECTING
		..1.		SVTTCBV	"X'20'" TCB VERIFICATION INTERSECTING
		...1		SVTACHA	"X'10'" ASCB CHAP INTERSECTING
		.... .1..		SVTMTER	"X'04'" MEMTERM INTERSECTING
		.... ..1.		SVTMINI	"X'02'" MEMORY INIT INTERSECTING
		1		SVTCBVE	"X'01'" CONTROL BLOCK VERIFICATION INTER
31	(1F)	BITSTRING	1	SVTSRQ4	FOURTH BYTE OF SVTDSREQ
		1...		SVTDSG1	"X'80'" SIGNAL WAITING WAITING PROCESSORS
		.1..		SVTDETA	"X'40'" DETACH INTERSECTING
		..1.		SVTATTA	"X'20'" ATTACH INTERSECTING
		...1		SVTRTM2	"X'10'" RTM2 INTERSECTING
		.... 1...		SVTRTM1	"X'08'" RTM1 INTERSECTING
		.... .1..		SVTCHAP	"X'04'" TCB CHAP INTERSECTING
		.... ..1.		SVTSTAT	"X'02'" STATUS INTERSECTING
		1		SVTPURD	"X'01'" PURGE DQ INTERSECTING

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
32	(20)	DBL WORD	8	SVTGSRB (0)	GLOBAL SRB QUEUES
32	(20)	SIGNED	4	SVTGSMQ	GLOBAL SERVICE MANAGEMENT QUEUE
36	(24)	BITSTRING	4	SVTGSPL	No longer used. Must remain x'FFFFFFFF'. SERIALIZATION: None OWNERSHIP: Supervisor Control
40	(28)	SIGNED	4	SVTLSMQ	LOCAL SERVICE MANAGEMENT QUEUE
44	(2C)	SIGNED	4	SVTWAS (0)	WAIT ADDRESS SPACE VECTOR USED TO SIGP MEMORY SWITCH TO WAITING PROCESSOR
44	(2C)	SIGNED	4	SVTWAS00 (16)	WASV
108	(6C)	SIGNED	4	(0)	
108	(6C)	BITSTRING	4		PREVIOUSLY SVTDACTV - MUST ALWAYS REMAIN NONZERO
112	(70)	SIGNED	2	SVTAPCP	Initial value for the number of WEBs that must be on a WUQ as a gating factor for AWM SIGP SERIALIZATION: NONE OWNERSHIP: SRM
114	(72)	BITSTRING	1	SVTLASTS	Last CP signalled for alternate wait management
115	(73)	BITSTRING	5	SVTR073	RESERVED.
120	(78)	ADDRESS	4	SVTCRSCR	"V(IEAVCRSC)" Address of the Supervisor Checkpoint/Restart SRB Check Routine.
124	(7C)	BITSTRING	4		PREVIOUSLY SVTPWAIT - MUST ALWAYS REMAIN NONZERO
128	(80)	SIGNED	4	SVTWPSCT	- Count of SIGPs to waiting processors due to timeout between waits SERIALIZATION: NONE
132	(84)	SIGNED	4	SVTMSWCT	- Count of SIGPs to waiting processors due to WUQADD SERIALIZATION: NONE
136	(88)	ADDRESS	4	SVTACTR	"V(IEAVRT05)" ADDRESS OF ACCUMULATED CPU TIME SERVICE ROUTINE USED BY TIMEUSED MACRO
140	(8C)	ADDRESS	4	SVTISECR	"V(IEAVEINR)" INTERSECT RESET ROUTINE
144	(90)	SIGNED	4	SVTXASCB	ADDRESS OF PC/AUTH ASCB.
148	(94)	SIGNED	4	SVTXMD	ADDRESS OF CROSS MEMORY DIRECTORY (XMD) (IN PC/AUTH ADDRESS SPACE).
152	(98)	ADDRESS	4	SVTGSPH	"V(IEASTKH)" ADDRESS OF GLOBAL STACK POOL HEADER FOR PCLINK SERVICE.
156	(9C)	SIGNED	2	SVTMCADS	MAXIMUM NUMBER OF ALE SLOTS IN A PASN ACCESS LIST RESERVED FOR CADS. INITIALIZED TO 25. MAY BE CHANGED BY IEAVNP09.
158	(9E)	SIGNED	2	SVTMPALE	NUMBER OF NON-CADS PASN ACCESS LIST ENTRIES. INITIALIZED BY IEAVNP09.
160	(A0)	ADDRESS	4	SVTBBR	"V(IEAVEBBR)" ADDRESS OF THE BIND BREAK ROUTINE.
164	(A4)	ADDRESS	4	SVTLASCB	ADDRESS OF LOCASCB SERVICE ROUTINE.
168	(A8)	BITSTRING	4	SVTCMCKM	CMSET CONSTANT FOR ICMA CHECK.
172	(AC)	ADDRESS	4	SVTCMST1	ADDRESS OF CMSET SET ROUTINE.
176	(B0)	ADDRESS	4	SVTCMRT1	ADDRESS OF CMSET RESET, CHKAUTH=YES ROUTINE.
180	(B4)	ADDRESS	4	SVTCMRT2	ADDRESS OF CMSET RESET, CHKAUTH=NO ROUTINE.
184	(B8)	ADDRESS	4	SVTCMSTR	ADDRESS OF CMSET SSARTO ROUTINE.
188	(BC)	ADDRESS	4	SVTCMSBR	ADDRESS OF CMSET SSARBACK ROUTINE.
192	(C0)	ADDRESS	4	SVTCDSPE	ADDRESS OF CALLDISP ROUTINE FOR ENABLED CALLERS.
196	(C4)	ADDRESS	4	SVTCDSPD	ADDRESS OF CALLDISP ROUTINE FOR DISABLED CALLERS.
200	(C8)	ADDRESS	4	SVTSRBSV	"V(IEAVESTS)" ADDRESS OF SRBSTAT SAVE ROUTINE.
204	(CC)	ADDRESS	4	SVTSRBRS	"V(IEAVESTR)" ADDRESS OF SRBSTAT RESTORE ROUTINE.
208	(D0)	ADDRESS	4	SVTAFFST	"V(IEAVESAS)" ADDRESS OF SSAFF SET ROUTINE.
212	(D4)	ADDRESS	4	SVTAFFOB	"V(IEAVESAF)" ADDRESS OF SSAFF OBTAIN ROUTINE.
216	(D8)	ADDRESS	4	SVTSRBG	"V(IEAVSPM1)" ADDRESS OF GETSRB ROUTINE.
220	(DC)	ADDRESS	4	SVTSSRBG	"V(IEAVSPM2)" ADDRESS OF GETSSRB ROUTINE.
224	(E0)	ADDRESS	4	SVTSRBF	"V(IEAVSPM3)" ADDRESS OF FREESRB ROUTINE.
228	(E4)	ADDRESS	4	SVTSSRBF	"V(IEAVSPM4)" ADDRESS OF FREESSRB ROUTINE
232	(E8)	DBL WORD	8	SVTSRBP (0)	SUPERVISOR SRB POOL HEADER. SERIALIZATION - CDS.
232	(E8)	SIGNED	4	SVTSRBS	SRB POOL ELEMENT SYNC COUNT
236	(EC)	SIGNED	4	SVTSRBA	ADDRESS OF FIRST AVAILABLE SRB.
240	(F0)	SIGNED	4	SVTSRBE (0)	SRB POOL EXTENT COUNTS. SERIALIZATION - SALLOC.
240	(F0)	SIGNED	2	SVTSRBM	MAX SRB POOL EXTENTS.
242	(F2)	SIGNED	2	SVTSRBC	CURRENT SRB POOL EXTENTS.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
244	(F4)	SIGNED	4	SVTR0F4	Reserved. Formerly SVTSSRBE/M/C
248	(F8)	BITSTRING	8	SVTR0F8	Reserved. Formerly SVTSSRBP/S/A
256	(100)	CHARACTER	4	SVTSVT	SVT ACRONYM.
260	(104)	ADDRESS	4	SVTRSUA	"V(IEAVRSUA)" ADDRESS OF RESUME ROUTINE FOR ASYNCHRONOUS UNCONDITIONAL OPTION.
264	(108)	ADDRESS	4	SVTRSCA	"V(IEAVRSCA)" ADDRESS OF RESUME ROUTINE FOR ASYNCHRONOUS CONDITIONAL OPTION.
268	(10C)	ADDRESS	4	SVTRSUS	"V(IEAVRSUS)" ADDRESS OF RESUME ROUTINE FOR SYNCHRONOUS UNCONDITIONAL OPTION WITH ASCB SPECIFIED.
272	(110)	BITSTRING	4	SVTDSBCT (0)	- MAXIMUM NUMBER OF WEBs the DISPATCHER CAN PROCESS BEFORE INVOKING RECOVERY.

Comment

7FFF0026 is the initial value of SVTDSBCT, but will be replaced by the SRM RIM, during NIP. The low half of the value is an approximation of the number of instructions required during the dispatcher work search processing to look at one WEB from the WUQ. The high half of this value is used only until this value is replaced, and serves just to make this a large number.

End of Comment

272	(110)	BITSTRING	1		-
		1...		SVTCHKWP	"X'80'" CHECK WAITING PROCESSOR IF ON
273	(111)	BITSTRING	2		-
275	(113)	BITSTRING	1		-
		1		SVTAWM	"X'01'" ALTERNATE WAIT MANAGEMENT ENABLED FLAG (SVTDSBCT LOW BIT) SET BY SRM SERIALIZATION: NONE
276	(114)	BITSTRING	4	SVTMCBCT	- Maximum number of times to loop on a locked WEB before invoking Global Recovery. The last byte of this field should be equal to the number of instructions executed by the dispatcher in its worksearch loop used to lock a WEB. SERIALIZATION: None OWNERSHIP: SRM
280	(118)	SIGNED	4	SVTFW1 (0)	FULLWORD SERIALIZED BY CS.
280	(118)	BITSTRING	1	SVTCS1	FIRST BYTE OF CS WORD.
		1...		SVTXMSOP	"X'80'" PC/AUTH SERVICE ROUTINES OPERABLE.
		.1..		SVTXMSUP	"X'40'" PC/AUTH ADDRESS SPACE INITIALIZED.
		..1.		SVTXMCMF	"X'20'" CROSS MEMORY CONNECTIONS MANAGER HAS FAILED. REUSABILITY FUNCTIONS ARE NOT OPERATIONAL. SERIALIZED BY PC/AUTH LOCAL LOCK. SET BY IEAVXMCM RECOVERY. 1
281	(119)	BITSTRING	3	SVTR119	RESERVED. SERIALIZATION - CS.
284	(11C)	ADDRESS	4	SVTDSPC	"V(IEAVDSPC)" ADDRESS OF DISPATCHER ENTRY POINT FOR STOP ROUTINE CALLERS.
288	(120)	SIGNED	4	SVTAFTR	VIRTUAL ADDRESS OF ADDRESS SPACE FIRST TABLE (AFT) CONTAINING REAL ADDRESSES.
292	(124)	SIGNED	4	SVTAFTV	VIRTUAL ADDRESS OF ADDRESS SPACE FIRST TABLE (AFT) CONTAINING VIRTUAL ADDRESSES.
296	(128)	ADDRESS	4	SVTSSEM	"V(IEAVESSE)" ADDRESS OF SPACE SWITCH EVENT MANAGER.
300	(12C)	ADDRESS	4	SVTISSAT	"V(IEAISSAT)" ADDRESS OF INITIAL SUBSYSTEM AFFINITY TABLE FOR ALL TASKS.
304	(130)	SIGNED	4	SVTSSTSV	LENGTH REQUIRED FOR SRB STATUS SAVE AREA.
308	(134)	SIGNED	4	SVTWTSS	Short wait time slice
312	(138)	SIGNED	4	SVTMDLQ	MEMORY DELETE QUEUE HEADER FOR ASCBS THAT CANNOT BE FREED.
316	(13C)	SIGNED	4	SVTSLWLN	SLIP/PER WORK AREA LENGTH REQUIRED FOR EACH PROCESSOR
320	(140)	ADDRESS	4	SVTSRBMD	"V(IEAVESTM)" ADDRESS OF SRBSTAT MODIFY ROUTINE.
324	(144)	BITSTRING	2	SVTR144	RESERVED.
326	(146)	SIGNED	2	SVTNSLX	NUMBER OF SYSTEM LXS BEYOND THE HIGHEST SYSTEM FUNCTION TABLE LX.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
328	(148)	ADDRESS	4	SVTSET1	"V(IEAVSET1)" ADDRESS OF STATUS ENTRY POINT TO SIGPCPUS ROUTINE.
332	(14C)	ADDRESS	4	SVTISECG	"V(IEAVEING)" ADDRESS OF INTERSECT GLOBAL ENTRY POINT
336	(150)	ADDRESS	4	SVTISECL	"V(IEAVEINL)" ADDRESS OF INTERSECT LOCAL ENTRY POINT
340	(154)	ADDRESS	4	SVTSWUQ	System WUQ (SWUQ) header address. INITIALIZED: IEAVINIT SERIALIZATION: WEB Lock Protocol OWNERSHIP: Supervisor Control
344	(158)	ADDRESS	4	SVTCMST2	Address of CMSET SET,DIE=YES routine.
348	(15C)	ADDRESS	4	SVTBEST@	Address of XES Back End Schedule Table (BEST). SERIALIZATION: XES-determined protocol OWNERSHIP: XES
352	(160)	DBL WORD	8	(0)	INSURE DOUBLEWORD BDY
352	(160)	BITSTRING	1	SVTDACTV (16)	DISPATCHER ACTIVE INDICATOR
		.1..		SVTDLID	"X'40'" HIGH ORDER BIT OF PROCESSOR ID MAY BE CHECKED AS A FAST TEST OF DISPATCHER ACTIVE
		..1.		SVTDPRMT	"X'20'" TASK TIME SLICE FLAG 1=TASK TIME SLICE HAS EXPIRED BIT SET BY EXTERNAL FLIH AND RESET BY THE DISPATCHER
		...1		SVTDSCAN	"X'10'" WORK QUEUE RESCAN REQUIRED BIT IS SET AND RESET BY THE DISPATCHER ONLY WHILE ACTIVE IS ALREADY HELD.
352	(160)	X'160'	0	SVTDACT1	"SVTDACTV,16,C'X'" REDEFINE SVTDACTV AS A SIXTEEN BYTE FIELD
368	(170)	DBL WORD	8	(0)	INSURE DOUBLEWORD BDY
368	(170)	BITSTRING	1	SVTPWAIT (16)	PROCESSOR WAITING INDICATOR
		..1.		SVTPWTCK	"X'20'" WAIT TASK TIME SLICE FLAG 1=WAIT TASK TIME SLICE HAS EXPIRED BIT IS SET BY THE EXTERNAL FLIH AND RESET BY THE DISPATCHER VIA A MOVE IMMEDIATE INSTRUCTION
		...1		SVTPWSTS	"X'10'" WAIT TASK TIME SLICE FLAG 1=WAIT TASK TIME SLICE WAS A SHORT ONE. BIT IS SET BY THE DISPATCHER AND RESET BY THE DISPATCHER VIA A MOVE IMMEDIATE INSTRUCTION
368	(170)	X'170'	0	SVTPWAT1	"SVTPWAIT,16,C'X'" REDEFINE SVTPWAIT AS A SIXTEEN BYTE FIELD
384	(180)	SIGNED	4	SVTWPBM	WAITING PROCESSOR BIT MASK, BIT POSITION CORRESPONDS TO CPU ID. LOW ORDER HALF WORD MUST BE ZERO OWNERSHIP - SUPERVISOR CONTROL SERIALIZATION - COMPARE AND SWAP
388	(184)	SIGNED	4	SVTSNCT2	COUNT OF THE NUMBER OF ASCBS SAFETY NET ADDED TO TRQ WITH ASCBSSSS ON
392	(188)	ADDRESS	4	SVTCMRT3	Address of CMSET RESET, CHKAUTH=YES,DIE=YES routine.
396	(18C)	ADDRESS	4	SVTCMRT4	Address of CMSET RESET, CHKAUTH=NO,DIE=YES routine.
400	(190)	ADDRESS	4	SVTSUSC	"V(IEAVSUSC)" GENERALIZED STOP ENTRY POINT ADDRESS
404	(194)	ADDRESS	4	SVTRSTC	"V(IEAVRSTC)" GENERALIZED RESET ENTRY POINT ADDRESS
408	(198)	ADDRESS	4	SVTCBLS	"V(IEAVCBLS)" ADDRESS OF CONTROL BLOCK LENGTH TABLE. OWNERSHIP - SUPERVISOR CONTROL SERIALIZATION - N/A
412	(19C)	SIGNED	4	SVTSNCNT	COUNT OF THE NUMBER ASCBS SAFETY NET ADDED TO TRQ
416	(1A0)	BITSTRING	1	SVTSPCP (16)	CPUS CAUSING EXCESSIVE SPIN. OWNERSHIP - RECONFIGURATION SERIALIZATION - DISABLEMENT
432	(1B0)	ADDRESS	4	SVTLSLO	"V(IEAVLSLO)" ADDRESS OF THE LINKAGE STACK MANAGER LOCAL OBTAIN ROUTINE.
436	(1B4)	ADDRESS	4	SVTLSLR	"V(IEAVLSLR)" ADDRESS OF THE LINKAGE STACK MANAGER LOCAL RETURN ROUTINE.
440	(1B8)	ADDRESS	4	SVTLSGO	"V(IEAVLSGO)" ADDRESS OF THE LINKAGE STACK MANAGER GLOBAL OBTAIN ROUTINE.
444	(1BC)	ADDRESS	4	SVTLSGR	"V(IEAVLSGR)" ADDRESS OF THE LINKAGE STACK MANAGER GLOBAL RETURN ROUTINE.
448	(1C0)	BITSTRING	4	SVTR1C0	RESERVED

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
452	(1C4)	ADDRESS	4	SVTLSIO	"V(IEAVLSIO)" ADDRESS OF THE LINKAGE STACK MANAGER INTERRUPT HANDLER LS OBTAIN ROUTINE.
456	(1C8)	ADDRESS	4	SVTLSIR	"V(IEAVLSIR)" ADDRESS OF THE LINKAGE STACK MANAGER INTERRUPT HANDLER LS RETURN ROUTINE.
460	(1CC)	BITSTRING	4	SVTR1CC	RESERVED
464	(1D0)	DBL WORD	8	SVTGLAL (0)	GLOBAL ACCESS LIST POOL HEADER - SERIALIZATION CDS.
464	(1D0)	ADDRESS	4	SVTGLALP	ADDRESS OF FIRST AVAILABLE GLOBAL POOL ACCESS LIST.
468	(1D4)	SIGNED	4	SVTGALPS	SYNC COUNT FIELD FOR COMPARE DOUBLE AND SWAP OF SVTGLALP.
472	(1D8)	BITSTRING	4	SVTGLPMX	MAXIMUM NUMBER OF BYTES BY WHICH GLOBAL ACCESS LIST POOL MAY BE EXPANDED.
476	(1DC)	ADDRESS	4	SVTXAPM1	"V(IEAVXAPM)" ADDRESS OF ACCESS LIST POOL MANAGER EXPAND (IEAVXAPM) SERVICE.
480	(1E0)	ADDRESS	4	SVTXAPM2	"V(IEAVXAP2)" ADDRESS OF ACCESS LIST POOL MANAGER RETURN (IEAVXAP2) SERVICE.
484	(1E4)	ADDRESS	4	SVTINIT	"V(IEAVINIT)" ADDRESS OF IEAVINIT.
488	(1E8)	ADDRESS	4	SVTXAACR	"V(IEAVXAAC)" ADDRESS OF ALET TO ASCB CONVERSION ROUTINE (IEAVXAAC).
492	(1EC)	ADDRESS	4	SVTOENTY	ORIGIN OF THE ASVT ENTRY TABLE OF ASCB'S.
496	(1F0)	ADDRESS	4	SVTSTKN	ADDRESS OF THE STKN TABLE.
500	(1F4)	ADDRESS	4	SVTSTKNE	LAST ENTRY OF STKN TABLE.
504	(1F8)	SIGNED	4	SVTMEOUT	SYSTEM SPIN LOOP TIMEOUT VALUE IN SECONDS, INITIALIZED BY IEEVESAI
508	(1FC)	ADDRESS	4	SVTNALD	NULL ACCESS LIST REAL ADDRESS AND LENGTH. BITS 0-25 WITH SIX ZEROS APPENDED ON THE RIGHT FORM THE ADDRESS. BITS 26-31 REPRESENT THE NUMBER OF 128 BYTE ACCESS LISTS, MINUS ONE.
512	(200)	ADDRESS	4	SVTNALV	NULL ACCESS LIST VIRTUAL ADDRESS.
516	(204)	ADDRESS	4	SVTDS0E1	ADDRESS OF DISPATCHER DIAGNOSTIC EXIT-1 (GIVEN CONTROL FOR UNLOCKED TASK DISPATCHES).
520	(208)	ADDRESS	4	SVTDS0E2	ADDRESS OF DISPATCHER DIAGNOSTIC EXIT-2 (GIVEN CONTROL FOR LOCKED TASK DISPATCHES).
524	(20C)	ADDRESS	4	SVTDS0E3	ADDRESS OF DISPATCHER DIAGNOSTIC EXIT-3 (GIVEN CONTROL FOR SRB DISPATCHES).
528	(210)	ADDRESS	4	SVTDS0E4	ADDRESS OF DISPATCHER DIAGNOSTIC EXIT-4 (GIVEN CONTROL FOR SSRB DISPATCHES).
532	(214)	ADDRESS	4	SVTDS0E5	ADDRESS OF DISPATCHER DIAGNOSTIC EXIT-5 (GIVEN CONTROL FOR WAIT TASK DISPATCHES).
536	(218)	ADDRESS	4	SVTASECT	ADDRESS OF THE ASE CONTROL TABLE.
540	(21C)	ADDRESS	4	SVTEXP3	"V(IEAVEXP3)" ADDRESS OF IEAVEXP3 SUBROUTINE IN EXIT PROLOGUE (LSED COMPARISON ROUTINE).
544	(220)	ADDRESS	4	SVTEMRQ	"V(IEAVEMRQ)" ADDRESS OF MEMORY REQUEST
548	(224)	ADDRESS	4	SVTLSCO	"V(IEAVLSCO)" ADDRESS OF LS CONSTANTS TABLE
552	(228)	ADDRESS	4	SVTLSLC	"V(IEAVLSLC)" ADDRESS OF THE LINKAGE STACK LOCATE SERVICE ROUTINE.
556	(22C)	ADDRESS	4	SVTNLSSD	"V(IEAVNLSD)" ADDRESS OF NULL LS LSSD
560	(230)	ADDRESS	4	SVTNLSDP	"V(IEAVNLSP)" ADDRESS OF NULL LS LSED
564	(234)	ADDRESS	4	SVTQV4	"V(IEAVEQV4)" ADDRESS OF SINGLE SPACE DOUBLE LINKED QUEUE VERIFICATION ROUTINE.
568	(238)	ADDRESS	4	SVTQV5	"V(IEAVEQV5)" ADDRESS OF MULTIPLE SPACE DOUBLE LINKED QUEUE VERIFICATION ROUTINE.
572	(23C)	ADDRESS	4	SVTCASTE	VIRTUAL ADDRESS OF THE BLOCK OF CADS ASTES. INITIALIZED BY IEAVNP09.
576	(240)	ADDRESS	4	SVTGSCH9	"V(IEAVESC9)" ADDRESS OF GLOBAL SCHEDULE WITH STOKEN ENTRY POINT FOR ENABLED CALLERS.
580	(244)	ADDRESS	4	SVTGSCHA	"V(IEAVESCA)" ADDRESS OF GLOBAL SCHEDULE WITH STOKEN ENTRY POINT FOR DISABLED CALLERS.
584	(248)	ADDRESS	4	SVTLSCHB	"V(IEAVESCB)" ADDRESS OF LOCAL SCHEDULE WITH STOKEN ENTRY POINT FOR ENABLED CALLERS.
588	(24C)	ADDRESS	4	SVTLSCHC	"V(IEAVESCC)" ADDRESS OF LOCAL SCHEDULE WITH STOKEN ENTRY POINT FOR DISABLED CALLERS.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
592	(250)	ADDRESS	4	SVTQV6	"V(IEAVEQV6)" ADDRESS OF THE SINGLE SPACE SINGLE LINKED QUEUE VERIFICATION ROUTINE.
596	(254)	ADDRESS	4	SVTESCD	"V(IEAVESCD)" ADDRESS OF IEAVESCD, THE NEW SCHEDULE ENTRY POINT FOR FEATURE (ENABLED GLOBAL).
600	(258)	ADDRESS	4	SVTESCE	"V(IEAVESCE)" ADDRESS OF IEAVESCE, THE NEW SCHEDULE ENTRY POINT FOR FEATURE (DISABLED GLOBAL).
604	(25C)	ADDRESS	4	SVTESCF	"V(IEAVESCF)" ADDRESS OF IEAVESCF, THE NEW SCHEDULE ENTRY POINT FOR FEATURE (ENABLED LOCAL).
608	(260)	ADDRESS	4	SVTESCG	"V(IEAVESCG)" ADDRESS OF IEAVESCG, THE NEW SCHEDULE ENTRY POINT FOR FEATURE (DISABLED LOCAL).
612	(264)	ADDRESS	4	SVTCPUF	"V(IEAVCPUF)" - ADDRESS OF IEAMCPUF SERVICE ROUTINE (IEAVCPUF). OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NONE.
616	(268)	ADDRESS	4	SVTERMF	"V(IEAVERMF)" - ADDRESS OF IEAMRMF3 SERVICE ROUTINE (IEAVERMF). OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NONE.
620	(26C)	ADDRESS	4	SVTEFCN	"V(IEAVEFCN)" - ADDRESS OF IEAMFCNT SERVICE ROUTINE (IEAVEFCN). OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NONE.
624	(270)	ADDRESS	4	SVTTWRM	"V(IEAVTWRM)" - ADDRESS OF THE TAWQ WEB ADDRESS SPACE RESOURCE MANAGER ROUTINE (IEAVTWRM). OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NONE.
628	(274)	ADDRESS	4	SVTCPTM	Count down timer start value 4096 for bit 51, 4K mics = 4 ms
632	(278)	ADDRESS	4	SVTTODDL	TOD time to check for SIGP
636	(27C)	SIGNED	4	SVTTODST	TOD time stamp last check
640	(280)	DBL WORD	8	SVTEND (0)	END OF SVT.

SVT Cross Reference

Name	Hex Offset	Hex Value
SVT	0	
SVTACHA	1E	10
SVTACTR	88	
SVTAFFOB	D4	
SVTAFFST	D0	
SVTAFTR	120	0
SVTAFTV	124	0
SVTAPCP	70	4
SVTASECT	218	
SVTATTA	1F	20
SVTAWM	113	1
SVTBBR	A0	
SVTBEST@	15C	
SVTCASTE	23C	
SVTCBLS	198	
SVTCBVE	1E	1
SVTCDSPD	C4	
SVTCDSPE	C0	
SVTCHAP	1F	4
SVTCHKWP	110	80
SVTCMCKM	A8	80000000
SVTCMRT1	B0	
SVTCMRT2	B4	
SVTCMRT3	188	
SVTCMRT4	18C	
SVTCMSBR	BC	
SVTCMSTR	B8	
SVTCMST1	AC	

Name	Hex Offset	Hex Value
SVTCMST2	158	
SVTCPTM	274	
SVTCPUF	264	
SVTCRSCR	78	
SVTCS1	118	0
SVTDACTV	160	0
SVTDACT1	160	160
SVTDETA	1F	40
SVTDFLT	1C	40
SVTDLID	160	40
SVTDPRMT	160	20
SVTDSBCT	110	
SVTDSCAN	160	10
SVTDSG1	1F	80
SVTDSG2	1E	80
SVTDSG3	1D	80
SVTDSG4	1C	80
SVTDSPC	11C	
SVTDSREQ	1C	
SVTDS0E1	204	
SVTDS0E2	208	
SVTDS0E3	20C	
SVTDS0E4	210	
SVTDS0E5	214	
SVTEFCN	26C	
SVTEMRQ	220	
SVTEND	280	
SVTERMF	268	

Name	Hex Offset	Hex Value
SVTESCD	254	
SVTESCE	258	
SVTESCF	25C	
SVTESCG	260	
SVTEXP3	21C	
SVTFW1	118	
SVTGALPS	1D4	0
SVTGLAL	1D0	
SVTGLALP	1D0	
SVTGLPMX	1D8	C00
SVTGSCHA	244	
SVTGSCH1	4	
SVTGSCH2	8	
SVTGSCH9	240	
SVTGSMQ	20	0
SVTGSPH	98	
SVTGSPL	24	FFFFFFFF
SVTGSRB	20	
SVTINIT	1E4	
SVTISECG	14C	
SVTISECL	150	
SVTISECR	8C	
SVTISECT	0	
SVTISSAT	12C	
SVTJSTEQ	18	0
SVTLASCB	A4	
SVTLASTS	72	0
SVTLSCHB	248	
SVTLSCHC	24C	
SVTLSCO	224	
SVTLSGO	1B8	
SVTLSGR	1BC	
SVTLSIO	1C4	
SVTLSIR	1C8	
SVTLSLC	228	
SVTLSLO	1B0	
SVTLSLR	1B4	
SVTLSMQ	28	0
SVTMCADS	9C	19
SVTMCBCT	114	7FFF0003
SVTMDLQ	138	0
SVTMEOUT	1F8	0
SVTMINI	1E	2
SVTMPALE	9E	0
SVTMSWCT	84	0
SVTMTER	1E	4
SVTNALD	1FC	
SVTNALV	200	
SVTNLSDP	230	
SVTNLSSD	22C	
SVTNSLX	146	A5
SVTOENTY	1EC	
SVTPURD	1F	1
SVTPWAIT	170	0
SVTPWAT1	170	170
SVTPWSTS	170	10
SVTPWTCK	170	20
SVTQVER	1D	1
SVTQV4	234	
SVTQV5	238	
SVTQV6	250	
SVTRCTI	1E	40
SVTRSCA	108	
SVTRSCS	14	
SVTRSTC	194	
SVTRSUA	104	
SVTRSUS	10C	
SVTRTM1	1F	8
SVTRTM2	1F	10
SVTR0F4	F4	0
SVTR0F8	F8	0
SVTR00C	C	0
SVTR073	73	0
SVTR1CC	1CC	0
SVTR1C0	1C0	0
SVTR119	119	0
SVTR144	144	0
SVTSET1	148	
SVTSLWLN	13C	0
SVTSNCNT	19C	0
SVTSNCT2	184	0
SVTSPCP	1A0	0
SVTSRBA	EC	0
SVTSRBC	F2	0
SVTSRBE	F0	
SVTSRBF	E0	
SVTSRBG	D8	
SVTSRBM	F0	3
SVTSRBMD	140	
SVTSRBP	E8	
SVTSRBRS	CC	
SVTSRBS	E8	0
SVTSRBSV	C8	
SVTSRM1	1D	2
SVTSRQ1	1C	0
SVTSRQ2	1D	0
SVTSRQ3	1E	0
SVTSRQ4	1F	0
SVTSSEM	128	
SVTSSRBF	E4	
SVTSSRBG	DC	
SVTSSTSV	130	510
SVTSTAT	1F	2
SVTSTKN	1F0	
SVTSTKNE	1F4	
SVTSUSC	190	
SVTSVT	100	E2E5E340
SVTSWUQ	154	
SVTTCBV	1E	20
SVTTODDL	278	
SVTTODST	27C	0
SVTTWRM	270	
SVTWAS	2C	
SVTWAS00	2C	0
SVTWEEF	10	
SVTWPBM	180	0
SVTWPSCT	80	0
SVTWTSS	134	0
SVTXAACR	1E8	
SVTXAPM1	1DC	
SVTXAPM2	1E0	
SVTXASCB	90	0
SVTXMCMF	118	20
SVTXMD	94	0
SVTXMSOP	118	80
SVTXMSUP	118	40

SXT Heading Information

Common Name: VSM Cell Pool Secondary Extent
Macro ID: IGVSXT
DSECT Name: SXT
Owning Component: Virtual Storage Manager (SC1CH)
Subpool and Key: User supplied
Size: 24 bytes
Created by: IGVCPBLD and IGVCPEXT
Pointed to by: SPDSXT
Serialization: LOCAL/CML lock for local cell pools
VSMPAG for pageable global cell pools
VSMFIX for fixed global cell pools
Function: Describes the secondary cell pool extent.

SXT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	SXT	
0	(0)	CHARACTER	24	SXTHDR	USER SUPPLIED HEADER
24	(18)	CHARACTER	*	SXTPOOL	POOL CELLS

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SYMPQ Heading Information

Common Name: DAE Symptom Queue Element
Macro ID: ADYSYMP
DSECT Name: SYMPQ
Owning Component: DUMP ANALYSIS AND ELIMINATION (SC143)
Eye-Catcher ID: SQ
Offset: 0
Length: 2
Storage Attributes: Subpool: 239, 231
Key: 0
Residency: ANY
Size: LENGTH(SYMPQ)
Created by: ADYTRNS
Pointed to by: DSCSYMPP
Serialization: Compare Double & Swap
Function: Maps the record, in main storage, of an error incident which DAE either copied from the DAE data set or contstructed following an error incident which met the criteria for minimum symptom data.

SYMPQ Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	216	SYMPQ	SYMPTOM QUEUE ENTRY
0	(0)	ADDRESS	4	SYMPQNXT	PTR-NEXT ENTRY IN SYMPQ
4	(4)	CHARACTER	2	SYMPID	INDIVIDUAL ACRONYM FOR EACH ELEMENT
6	(6)	CHARACTER	21	SYMPORIG	IDENTIFICATION OF THE ORIGINAL OCCURRENCE OF THIS PROBLEM.
6	(6)	CHARACTER	10	SYMPERID	ORIGINAL ERROR ID
6	(6)	UNSIGNED	2	SYMPOSEQ	ERROR ID SEQUENCE NUMBER
8	(8)	UNSIGNED	2	SYMPOCID	ERROR ID CPU ID
10	(A)	UNSIGNED	2	SYMPOAS	ERROR ID ADDRESS SPACE ID
12	(C)	SIGNED	4	SYMPOTIM	ORIGINAL TIME (BINARY NUMBER TENTHS OF A SECOND SINCE MIDNIGHT).
16	(10)	CHARACTER	4	SYMPODAT	ORIGINAL DATE (PACKED DECIMAL JULIAN 00YYDDDF)
20	(14)	CHARACTER	6	SYMPOCPU	CPUID-ORIGINAL FOUND
26	(1A)	BITSTRING	1	SYMPOFLG	FLAGS
		1...		SYMPSVCD	AN SVC DUMP CREATED THE ORIGINAL DOCUMENTATION
		.1..		SYMPSYSM	A SYSMDUMP CREATED THE ORIGINAL DOCUMENTATION
		..1.		SYMPTRUM	ORIGINAL SYSMPTOM STRING WAS TRUNCATED
		...1 1111		*	RESERVED
27	(1B)	CHARACTER	10	SYMPCURR	LAST OCCURRENCE DATA
27	(1B)	SIGNED	4	SYMPDTIM	TIME - MOST RECENT OCCURRENCE (BINARY NUMBER TENTHS OF A SECOND SINCE MIDNIGHT).
31	(1F)	CHARACTER	4	SYMPDDAT	DATE - MOST RECENT OCCURRENCE (PACKED DECIMAL JULIAN 00YYDDDF)
35	(23)	SIGNED	2	SYMPDCNT	COUNT- OF OCCURRENCES
37	(25)	SIGNED	2	SYMPSCNT	COUNT-SYMPTOMS IN SYMPQC
39	(27)	SIGNED	2	SYMPSLN	LENGTH-SYMPTOMS IN SYMPQC PLUS A TRAILING BLANK
41	(29)	CHARACTER	150	SYMPQC	SYMPTOMS IN MVS LOCAL FMT
191	(BF)	CHARACTER	1	SYMPFLAG	Flags
		1...		SYMPTKDP	Take the next Dump flag
		.1..		SYMPRCDA	This entry was added because of RECORDALL
		..1.		SYMPPART	This entry represents a partial or empty dump - do not suppress
		...1		SYMPDUM	This entry represents a dummy entry, do not suppress
192	(C0)	ADDRESS	4	SYMPFREQ	Address of EventList
196	(C4)	CHARACTER	4	*	RESERVED

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Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
200	(C8)	CHARACTER	8	SYMPSYSNO	System Name - Original occurrence
208	(D0)	CHARACTER	8	SYMPSYSNL	System Name - Last Occurrence

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	65	SYMPX	Symptom Queue Extension
0	(0)	CHARACTER	8	SYMPXTIMESTAMP	Time Stamp of Event
0	(0)	UNSIGNED	4	SYMPXTIMESTAMPL	Left fullword
8	(8)	CHARACTER	13	SYMPXLAST	Data Sent to remote systems
8	(8)	CHARACTER	12	SYMPXLAST2	
8	(8)	UNSIGNED	4	SYMPXLASTCOUNT	Count of Events at last notify
12	(C)	CHARACTER	8	SYMPXLASTNOTIFYTIME	Last Notify Time (or 0)
12	(C)	UNSIGNED	4	SYMPXLASTNOTIFYTIMEL	Left Word
20	(14)	CHARACTER	1	SYMPXFLAGS	
		1...		SYMPXNOTIFYFLAG	Indicates NOTIFY just done
21	(15)	CHARACTER	44	SYMPXDATASETNAME	Original Dump Dataset Name

SYMPQ Constants

Len	Type	Value	Name	Description
2	CHARACTER	SQ	SYMPIDV	ACRONYM TO BE FILLED INTO SYMPID WHEN EACH ELEMENT IS CREATED.
4	DECIMAL	239	SYMPQSP	SYMPTOM QUEUE SUBPOOL FOR SVC DUMP ELEMENTS.
4	DECIMAL	231	SYMPQSPSYSM	SYMPTOM QUEUE SUBPOOL FOR SYSMDUMP ELEMENTS.
24	CHARACTER	DAE SYMPTOM QUEU E CELLS	SYMPQCPH	HEADER FOR SYMPTOM QUEUE CELL POOL EXTENTS.

SYMPQ Cross Reference

Name	Hex Offset	Hex Value
SYMPCURR	1B	
SYMPDCNT	23	
SYMPDDAT	1F	
SYMPDTIM	1B	
SYMPDUM	BF	10
SYMPERID	6	
SYMPFLAG	BF	
SYMPFREQ	C0	
SYMPID	4	
SYMPOAS	A	
SYMPOCID	8	
SYMPOCPU	14	
SYMPODAT	10	
SYMPOFLG	1A	
SYMPORIG	6	
SYMPOSEQ	6	
SYMPOTIM	C	
SYMPPART	BF	20
SYMPQ	0	
SYMPQC	29	
SYMPQNXT	0	
SYMPRCDA	BF	40

Name	Hex Offset	Hex Value
SYMPSCNT	25	
SYMPSLN	27	
SYMPSVCD	1A	80
SYMPSYSM	1A	40
SYMPSYSNL	D0	
SYMPSYSNO	C8	
SYMPTKDP	BF	80
SYMPTRUM	1A	20
SYMPX	0	
SYMPXDATASETNAME	15	
SYMPXFLAGS	14	
SYMPXLAST	8	
SYMPXLASTCOUNT	8	
SYMPXLASTNOTIFYTIME	C	
SYMPXLASTNOTIFYTIMEL	C	
SYMPXLAST2	8	
SYMPXNOTIFYFLAG	14	80

Name	Hex Offset	Hex Value
SYMPXTIMESTAMP		
	0	
SYMPXTIMESTAMPL		
	0	

S99PARMS Programming Interface information

Programming Interface information

S99PARMS

The following field is **NOT** programming interface information:

- S99EMSGP

End of Programming Interface information

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S99PARMS Heading Information

Common Name: Dynamic Allocation (SVC 99) Parameter List
Macro ID: IEFZB4D0
DSECT Name: S99RB, S99RBP, S99TUPL, S99TUNIT, S99TUFLD, S99RBX
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: None
Storage Attributes: Main Storage: No
Subpool: User defined
Key: User's key
Residency: Any
Size: S99RB: 24 bytes
S99RBX: 36 bytes
Created by: Callers of dynamic allocation
Pointed to by: Register 1 points to a pointer to this parameter list upon entry to SVC 99.
Serialization: None
Function: Input required by dynamic allocation, specifically the dynamic allocation control routine, IEFDB400.

S99PARMS Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	S99RBP	
0	(0)	SIGNED	4	S99RBPTR	REQUEST BLOCK POINTER
		1...		S99RBPND	"X'80'" LAST POINTER INDICATOR

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	S99RB	REQUEST BLOCK
0	(0)	SIGNED	4	(0)	
0	(0)	CHARACTER	1	S99RBLN	LENGTH OF REQUEST BLOCK
1	(1)	CHARACTER	1	S99VERB	VERB CODE
		1		S99VRBAL	"X'01'" ALLOCATION
		.... ..1.		S99VRBUN	"X'02'" UNALLOCATION
		11		S99VRBCC	"X'03'" CONCATENATION
		.... .1..		S99VRBDC	"X'04'" DECONCATENATION
		.... .1.1		S99VRBRI	"X'05'" REMOVE IN-USE
		.... .11.		S99VRBDN	"X'06'" DDNAME ALLOCATION
		.... .111		S99VRBIN	"X'07'" INFORMATION RETRIEVAL
2	(2)	CHARACTER	2	S99FLAG1 (0)	FLAGS
2	(2)	CHARACTER	1	S99FLG11	FIRST FLAGS BYTE
		1...		S99ONCNV	"X'80'" ALLOC FUNCTION-DO NOT USE AN EXISTING ALLOCATION THAT DOES NOT HAVE THE CONVERTIBLE ATTRIBUTE TO SATISFY A REQUEST
		.1..		S99NOCNV	"X'40'" ALLOC FUNCTION-DO NOT USE AN EXISTING ALLOCATION TO SATISFY THE REQUEST
		..1.		S99NOMNT	"X'20'" ALLOC FUNCTION-DO NOT MOUNT VOLUMES OR CONSIDER OFFLINE UNITS (THIS FLAG OVERRIDES S99MOUNT AND S99OFFLN BELOW)
		...1		S99JBSYS	"X'10'" ALLOC FUNC-JOB RELATED SYSOUT
		.... 1...		S99CNENQ	"X'08'" ALL FUNCTIONS-ISSUE A CONDITIONAL ENQ ON TIOT RESOURCE. IF NOT AVAILABLE, RETURN AN ERROR CODE TO USER.
		.... .1..		S99GDGNT	"X'04'" ALLOC FUNCTION - IGNORE THE GDG NAME TABLE AND PERFORM A LOCATE FOR THE GDG BASE LEVEL.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		S99MSGL0	"X'02'" All functions - ignore the MSGLEVEL parameter in the JCT and use MSGLEVEL=(,0)
		1		S99NOMIG	"X'01'" ALLOC function - do not recall migrated data sets
3	(3)	CHARACTER	1	S99FLG12	SECOND BYTE OF FLAGS
		1...		S99NOSYM	"X'80'" Allocate, unallocate, info retrieval - do not perform symbolic substitution
		.1..		S99ACUCB	"X'40'" Alloc function-use Actual UCB addresses
		..1.		S99DSABA	"X'20'" Request that the DSAB for this allocation be placed above the 16MB line.
4	(4)	CHARACTER	4	S99RSC (0)	REASON CODE FIELDS
4	(4)	BITSTRING	2	S99ERROR	ERROR REASON CODE
6	(6)	BITSTRING	2	S99INFO	INFORMATION REASON CODE
8	(8)	SIGNED	4	S99TXTPP	ADDR OF LIST OF TEXT UNIT PTRS
12	(C)	SIGNED	4	S99S99X	ADDR OF REQ BLK EXTENSION
16	(10)	CHARACTER	4	S99FLAG2 (0)	FLAGS FOR AUTHORIZED FUNCTIONS
16	(10)	CHARACTER	1	S99FLG21	FIRST BYTE OF FLAGS
		1...		S99WTVOL	"X'80'" ALLOC FUNCTION-WAIT FOR VOLUMES
		.1..		S99WTDSN	"X'40'" ALLOC FUNCTION-WAIT FOR DSNAME
		..1.		S99NORES	"X'20'" ALLOC FUNCTION-DO NOT DO DATA SET RESERVATION
		...1		S99WTUNT	"X'10'" ALLOC FUNCTION-WAIT FOR UNITS
		.... 1...		S99OFFLN	"X'08'" ALLOC FUNCTION-CONSIDER OFFLINE UNITS
		.... .1..		S99TIONQ	"X'04'" ALL FUNCTIONS-TIOT ENQ ALREADY DONE
		.... ..1.		S99CATLG	"X'02'" ALLOC FUNCTION-SET SPECIAL CATALOG DATA SET INDICATORS
		1		S99MOUNT	"X'01'" ALLOC FUNCTION-MAY MOUNT VOLUME
17	(11)	CHARACTER	1	S99FLG22	SECOND BYTE OF FLAGS
		1...		S99UDEVT	"X'80'" ALLOCATION FUNCTION-UNIT NAME PARM IS A DEVICE TYPE
		.1..		S99PCINT	"X'40'" ALLOC FUNCTION-ALLOC PRIVATE CATALOG TO INITIATOR
		..1.		S99DYNDI	"X'20'" ALLOC FUNCTION-NO JES3 DSN INTEGRITY PROCESS
		...1		S99TIOEX	"X'10'" ALLOC FUNCTION - XTIOT ENTRY REQUESTED (FOR SYSTEM PROGRAM USE ONLY)
		.... 1...		S99ASERR	"X'08'" Unit Allocation / Unallocation Service (IEFAB4C1/IEFDB440) - Ignore Coupling Facility READ/WRITE failure when processing RELEASE function for Autoswitchable device (FOR SYSTEM PROGRAM USE ONLY)
18	(12)	CHARACTER	1	S99FLG23	THIRD BYTE OF FLAGS
19	(13)	CHARACTER	1	S99FLG24	FOURTH BYTE OF FLAGS
19	(13)	X'14'	0	S99RBEND	"*" END MARKER

Comment

SVC 99 FLAG BIT MASKS
- A '1' DENOTES DEFINED BITS
- USED TO TEST FOR BIT SETTINGS

End of Comment

		1111 1111		S99MSK11	"B'11111111'" BIT MASK FOR S99FLG11
		111.		S99MSK12	"B'11100000'" BIT MASK FOR S99FLG12
		1111 1111		S99MSK21	"B'11111111'" BIT MASK FOR S99FLG21
		1111 1...		S99MSK22	"B'11111000'" BIT MASK FOR S99FLG22
		....		S99MSK23	"B'00000000'" BIT MASK FOR S99FLG23
		....		S99MSK24	"B'00000000'" BIT MASK FOR S99FLG24

Comment

SVC 99 FLAG RESERVED BIT MASKS
- A '1' DENOTES RESERVED BITS
- USED TO TEST FOR INVALID USE OF RESERVED FIELDS

End of Comment

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		....		S99NOT11	"B'00000000'" INVERSE BITMASK FOR S99FLG11
		...1 1111		S99NOT12	"B'00011111'" INVERSE BITMASK FOR S99FLG12
		....		S99NOT21	"B'00000000'" INVERSE BITMASK FOR S99FLG21
		.... .111		S99NOT22	"B'00000111'" INVERSE BITMASK FOR S99FLG22
		1111 1111		S99NOT23	"B'11111111'" INVERSE BITMASK FOR S99FLG23
		1111 1111		S99NOT24	"B'11111111'" INVERSE BITMASK FOR S99FLG24

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	S99TUPL	TEXT UNIT POINTER LIST
0	(0)	SIGNED	4	S99TUPTR	TEXT UNIT POINTER
		1...		S99TUPLN	"X'80'" LAST TEXT UNIT POINTER IN LIST

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	S99TUNIT	TEXT UNIT
0	(0)	BITSTRING	2	S99TUKEY	KEY
2	(2)	BITSTRING	2	S99TUNUM	N0. OF LENGTH+PARAMETER ENTRIES
4	(4)	CHARACTER	1	S99TUENT (0)	ENTRY OF LENGTH+PARAMETER
4	(4)	BITSTRING	2	S99TULNG	LENGH OF 1ST (OR ONLY) PARAMETER
6	(6)	CHARACTER	1	S99TUPAR	1ST (OR ONLY) PARAMETER

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	S99TUFLD	
0	(0)	BITSTRING	2	S99TULEN	LENGTH OF PARAMETER
2	(2)	CHARACTER	1	S99TUPRM	PARAMETER

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	S99RBX	REQUEST BLOCK EXTENSION
0	(0)	CHARACTER	6	S99EID	CONTROL BLOCK ID ='S99RBX'
6	(6)	CHARACTER	1	S99EVER	VERSION NUMBER
		1		S99RBXVR	"X'01'" CURRENT VERSION NUMBER
7	(7)	CHARACTER	1	S99EOPTS	PROCESSING OPTIONS
		1...		S99EIMSG	"X'80'" ISSUE MSG BEFORE RETURNING TO CALLER
		.1..		S99ERMSG	"X'40'" RETURN MSG TO CALLER
		..1.		S99ELSTO	"X'20'" USER STORAGE SHOULD BE BELOW 16M BOUNDRY
		...1		S99EMKEY	"X'10'" USER SPECIFIED STORAGE KEY FOR MESSAGE BLOCKS
		.... 1...		S99EMSUB	"X'08'" USER SPECIFIED SUBPOOL FOR MESSAGE BLOCKS
		.... .1..		S99EWTP	"X'04'" USE WTO FOR MESSAGE OUTPUT
8	(8)	CHARACTER	1	S99ESUBP	SUBPOOL FOR MESSAGE BLOCKS
9	(9)	CHARACTER	1	S99EKEY	STORAGE KEY FOR MESSAGE BLOCKS
10	(A)	CHARACTER	1	S99EMGSV	SEVERITY LEVEL FOR MESSAGES PROCESSING
		....		S99XINFO	"X'00'" INFORMATIONAL MSG SEVERITY
		.... .1..		S99XWARN	"X'04'" WARNING MESSAGE SEVERITY
		.... 1...		S99XSEVE	"X'08'" SEVERE MESSAGE SEVERITY
11	(B)	CHARACTER	1	S99ENMSG	NUMBER OF MESSAGE BLOCKS RETURNED
12	(C)	SIGNED	4	S99ECPPL	ADDRESS OF CPPL
16	(10)	CHARACTER	4	S99EMRC (0)	MESSAGE SERVICE RETURN CODE
16	(10)	CHARACTER	1	S99ERCR	RESERVED
17	(11)	CHARACTER	1	S99ERCM	RESERVED
18	(12)	CHARACTER	1	S99ERCO	RETURN CODE DEALING WITH MESSAGE OUTPUT
19	(13)	CHARACTER	1	S99ERCF	RETURN CODE DEALING WITH STORAGE FOR MESSAGE BLOCKS
20	(14)	SIGNED	4	S99EWRC	PUTLINE/WTO RETURN CODE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
24	(18)	SIGNED	4	S99EMSGP	MESSAGE BLOCK POINTER
28	(1C)	SIGNED	4	S99ESIRC (0)	INFORMATION RETRIEVAL RETURN CODE FOR SJF KEYS
28	(1C)	BITSTRING	2	S99EERR	ERROR REASON CODE
30	(1E)	BITSTRING	2	S99EINFO	INFORMATION REASON CODE
32	(20)	BITSTRING	4	S99ERSN	SMS REASON CODE

S99PARMS Cross Reference

Name	Hex Offset	Hex Value
S99ACUCB	3	40
S99ASERR	11	8
S99CATLG	10	2
S99CNENQ	2	8
S99DSABA	3	20
S99DYNDI	11	20
S99ECPPL	C	
S99EERR	1C	
S99EID	0	
S99EIMSG	7	80
S99EINFO	1E	
S99EKEY	9	
S99ELSTO	7	20
S99EMGSV	A	
S99EMKEY	7	10
S99EMRC	10	
S99EMSGP	18	
S99EMSUB	7	8
S99ENMSG	B	
S99EOPTS	7	
S99ERCF	13	
S99ERCM	11	
S99ERCO	12	
S99ERCR	10	
S99ERMSG	7	40
S99ERROR	4	
S99ERSN	20	
S99ESIRC	1C	
S99ESUBP	8	
S99EVER	6	
S99EWRC	14	
S99EWTP	7	4
S99FLAG1	2	
S99FLAG2	10	
S99FLG11	2	
S99FLG12	3	
S99FLG21	10	
S99FLG22	11	
S99FLG23	12	
S99FLG24	13	
S99GDGNT	2	4
S99INFO	6	
S99JBSYS	2	10
S99MOUNT	10	1
S99MSGL0	2	2
S99MSK11	13	FF
S99MSK12	13	E0
S99MSK21	13	FF
S99MSK22	13	F8
S99MSK23	13	0
S99MSK24	13	0
S99NOCNV	2	40
S99NOMIG	2	1
S99NOMNT	2	20
S99NORES	10	20
S99NOSYM	3	80
S99NOT11	13	0
S99NOT12	13	1F
S99NOT21	13	0
S99NOT22	13	7
S99NOT23	13	FF
S99NOT24	13	FF
S99OFFLN	10	8
S99ONCNV	2	80
S99PCINT	11	40
S99RB	0	
S99RBEND	13	14
S99RBLN	0	
S99RBP	0	
S99RBPND	0	80
S99RBPTR	0	
S99RBX	0	
S99RBXVR	6	1
S99RSC	4	
S99S99X	C	
S99TIOEX	11	10
S99TIONQ	10	4
S99TUENT	4	
S99TUFLD	0	
S99TUKEY	0	
S99TULEN	0	
S99TULNG	4	
S99TUNIT	0	
S99TUNUM	2	
S99TUPAR	6	
S99TUPL	0	
S99TUPLN	0	80
S99TUPRM	2	
S99TUPTR	0	
S99TXTPP	8	
S99UDEVT	11	80
S99VERB	1	
S99VRBAL	1	1
S99VRBCC	1	3
S99VRBDC	1	4
S99VRBDN	1	6
S99VRBIN	1	7
S99VRBRI	1	5
S99VRBUN	1	2
S99WTDSN	10	40
S99WTUNT	10	10
S99WTVOL	10	80
S99XINFO	A	0
S99XSEVE	A	8
S99XWARN	A	4

TAXE Heading Information

Common Name: TERMINAL ATTENTION EXIT ELEMENT
Macro ID: IKJTAXE
DSECT Name: ????????
Owning Component: SC1CU (REGION CONTROL TASK)
Eye-Catcher ID: ????????
Offset: ????????
Length: ????????
Storage Attributes: Main Storage: ????????
Virtual Storage: ????????
Auxiliary Storage: ????????
Subpool: ????????
Key: ????????
Data Space: ????????
Residency: ????????
Size: ????????
Created by: ????????
Pointed to by: ????????
Serialization: ????????
Function: PROVIDE DATA MAPPING OF THE TAXE.

TAXE Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	144	TAXE	
				Comment	
		STANDARD IRB			
				End of Comment	
0	(0)	CHARACTER	96	TAXEIRB	IRB
96	(60)	ADDRESS	4	TAXENIQE	PTR NEXT AVAILABLE IQE
				Comment	
		STANDARD IQE			
				End of Comment	
100	(64)	CHARACTER	44	TAXEWORK	LABEL USED WHEN CLEARING WORK AREA YO2752
100	(64)	ADDRESS	4	TIQELNK	ADDR OF NEXT IQE ON IQE QUEUE YO2752
104	(68)	ADDRESS	4	TIQEPARM	PARM TO ASYNCHRONOUS EXIT ROUTINE YO2752
108	(6C)	ADDRESS	4	TIQEIRB	ADDR OF IRB TO BE SCHD. YO2752
112	(70)	ADDRESS	4	TAXETCB	PTR TO TCB YO2752
				Comment	
		WORK AREA OF IRB			
				End of Comment	
116	(74)	CHARACTER	1	*	ZA17748
117	(75)	ADDRESS	3	TAXELNK	PTR TO NEXT TAXE ON QUE ZA17748
120	(78)	ADDRESS	4	TAXEPARM	PTR TO STAX PARM LIST
120	(78)	ADDRESS	4	TAXESTAX	ADDR OF STAX PARM LIST
124	(7C)	ADDRESS	4	TAXEEXIT	PTR TO USER ATTENTION EXIT ROUTINE YO2752
		1...		TAXEEXM	ADDRESSING MODE OF USER EXIT ROUTINE
128	(80)	CHARACTER	4	*	FLAGS

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TAXE Cross Reference

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
128	(80)	CHARACTER	1	TAXESTAT	STATUS OF PROGRAM ISSUING THE STAX SVC YO2752
		1...		TAXEFKEY	STATUS FLAG FOR PROB KEY YO2752
		.1..		TAXEFMOD	STATUS FLAG FOR PROB MODE YO2752
		..1.		TAXEFREQ	STATUS FLAG FOR REQUESTED TAXE YO2752
		...1		TAXERESM	ON-ATTENTION PROLOGUE MUST NOT GO TO USER ATTENTION EXIT YO2752
		.... 1...		TAXESCHD	ON-TAXE HAS BEEN SCHEDULED BUT IS NOT IN USER CODE YO2752
		.... .1..		TAXEATTN	ON-ATTN IN EFFECT FOR CLIST
		.... ..1.		TAXECLST	ON- TAXE CAN HANDLE CLIST ATTN EXITS
		1		TAXEIGNI	INITIAL TAXE IGNORE STATUS
129	(81)	CHARACTER	1	TAXEST2	SECOND STATUS BYTE
		1...		TAXEIGNC	CURRENT TAXE IGNORE STATUS
		.1..		TAXETPLV	ON - THIS IS A TOPLEVL ATTENTION EXIT
		..11 1111		*	RESERVED
130	(82)	CHARACTER	2	*	RESERVED
132	(84)	ADDRESS	4	TAXETAIE	PTR TO TAIE YO2752
136	(88)	ADDRESS	4	TAXEIBUF	PTR TO USER INPUT BUFFER YO2752
140	(8C)	ADDRESS	4	TAXEUSER	PTR TO USER PARAMETER YO2752
144	(90)	CHARACTER	0	TAXEEND	TAXE WILL BE IN DBL WDS YO2752

TAXE Cross Reference

Name	Hex Offset	Hex Value
TAXE	0	
TAXEATTN	80	04
TAXECLST	80	02
TAXEEND	90	
TAXEEXIT	7C	
TAXEEXM	7C	80
TAXEFKEY	80	80
TAXEFMOD	80	40
TAXEFREQ	80	20
TAXEIBUF	88	
TAXEIGNC	81	80
TAXEIGNI	80	01
TAXEIRB	0	
TAXELNK	75	
TAXENIQE	60	
TAXEPARM	78	
TAXERESM	80	10
TAXESCHD	80	08
TAXESTAT	80	
TAXESTAX	78	
TAXEST2	81	
TAXETAIE	84	
TAXETCB	70	
TAXETPLV	81	40
TAXEUSER	8C	
TAXEWORK	64	
TIQEIRB	6C	
TIQELNK	64	
TIQEPARM	68	

TBVT Heading Information

Common Name: System trace buffer vector table and trace buffer
Macro ID: IHATBVT
DSECT Name: TBVT, TBUF
Owning Component: System trace (SC142)
Eye-Catcher ID: TBVT
Offset: 0
Length: 4
Storage Attributes: Subpool: 245 (created by IEAVNIP0), 255 (created by IEAVETEA)
Key: 0
Residency: LOC(ANY)
Size: 64 bytes for the TBVT plus 4096 bytes for the TBUF
Created by: IEAVNIP0 - NUCLEUS initialization
IEAVETEA - System trace environment alteration routine
INITIALIZATION =
The creator of the TBVT must initialize TBVTID with the acronym 'TBVT' and TBVTBLVL with the constant TBVTLVLN.
The creator of the tbuf must initialize TBUFID with the acronym 'TBUF'.
Pointed to by: TBVT <== PSATBVTR, PSATBVTV, TBVTBWRD, TBVTFWRD, TBVTNXTR, TBVTNXTV, TOBPTBVT
TBUF <== TBVTCR12, TBVTBUFV
Serialization: TBVT The queueing fields are serialized by disablement on the processor, the trace spin lock and the system trace address space local lock, or the trace spin lock and the system trace address space local lock if the processor is not alive (CSDCPUAL).
The buffer status fields (TBVTENT1 and fields in TBVTBST) are serialized by disablement on the processor and zeroed tracing control bits in control register 12, or the trace spin lock and the system trace address space local lock if the processor is not alive (CSDCPUAL).
TBUF Disablement on the processor and zeroed tracing control bits in control register 12.
Function: TBVT contains information to maintain accountability of a 4K trace buffer and the TBVT queue.
TBUF contains trace table entries (TTES).

TBVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	80	TBVT	TRACE BUFFER VECTOR TABLE.
0	(0)	CHARACTER	4	TBVTID	TBVT EBCDIC IDENTIFIER.
4	(4)	UNSIGNED	1	TBVTBLVL	CONTROL BLOCK LEVEL NUMBER.
5	(5)	CHARACTER	1	*	UNUSED
6	(6)	UNSIGNED	2	TBVTPID	PROCESSOR IDENTIFIER.
8	(8)	CHARACTER	8	TBVTC12E	TRACE BYTES 0-3
8	(8)	BITSTRING	4	TBVTC120	BYTES 0-3 OF TRACE
		1...		TBVTRBRE	ESAME BRANCH TRACE OPTION
		.1..		TBVTRMOE	ESAME MODE TRACE OPTION

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Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	ADDRESS	4	TBVTC121	REAL BUFFER ADDRESS AND TRACE OPTION FLAGS IN CONTROL REGISTER 12 FORMAT.
12	(C)	BITSTRING	3	*	
		1...		TBVTRBR	BRANCH TRACE OPTION (NOT ESAME). BIT 0
15	(F)	BITSTRING	1	*	
		1111 11..		*	
		.... ..1.		TBVTRASD	ASID TRACE OPTION. BIT 30.
		1		TBVTREXP	EXPLICIT TRACE OPTION. BIT 31.
16	(10)	CHARACTER	8	TBVTFWRD	TBVT FORWARD QUEUE POINTERS.
16	(10)	ADDRESS	4	TBVTNXTR	REAL ADDRESS OF NEXT TBVT.
20	(14)	ADDRESS	4	TBVTNXTV	VIRTUAL ADDRESS OF NEXT TBVT.
24	(18)	ADDRESS	4	TBVTBWRD	VIRTUAL ADDRESS OF PREVIOUS TBVT.
28	(1C)	ADDRESS	4	TBVTBUFV	VIRTUAL ADDRESS OF 4K BUFFER ASSOCIATED WITH THIS TBVT.
32	(20)	CHARACTER	24	TBVTBST	BUFFER STATUS. (COPIED TO TTCHBST AND TFWABST)
32	(20)	CHARACTER	8	TBVTCR34	CONTROL REGISTERS 3 AND 4 AT TIME BUFFER BECAME CURRENT.
32	(20)	CHARACTER	2	TBVTBFGS	STATE FLAGS.
32	(20)	CHARACTER	1	TBVTBFG1	STATE FLAGS.
		1...		TBVTPLST	PREVIOUS TBVT(S) LOST FLAG.
		.1..		TBVTC12C	CONTROL REGISTER 12 HAS THE CURRENT VALUE OF TBVTENT1. IF THE BUFFER IS NOT THE CURRENT BUFFER, CONTROL INFORMATION HAS BEEN LOST, THE END OF THE TRACE DATA IS UNKNOWN.
33	(21)	CHARACTER	1	TBVTBFG2	STATE FLAGS.
34	(22)	UNSIGNED	2	TBVTBSA	SASID AT TIME BUFFER BECAME CURRENT.
36	(24)	UNSIGNED	2	TBVTBHA	HASID AT TIME BUFFER BECAME CURRENT.
38	(26)	UNSIGNED	2	TBVTBPA	PASID AT TIME BUFFER BECAME CURRENT.
40	(28)	ADDRESS	4	TBVTBTB	PSATOLD AT TIME BUFFER BECAME CURRENT.
44	(2C)	SIGNED	4	TBVTBCNT	BUFFER USE COUNT.
48	(30)	CHARACTER	8	TBVTBTOD	TIME OF DAY BUFFER BECAME CURRENT.
56	(38)	CHARACTER	8	TBVTBSAT	TIME OF DAY BUFFER BECAME SATURATED.
64	(40)	CHARACTER	8	TBVTENTE	CR12. AS THIS IS USED AS THE TARGET OF STCTG, IT MUST BE ON A DOUBLEWORD BOUNDARY
64	(40)	BITSTRING	4	TBVTENT0	WORD 0 OF ESAME CR12
68	(44)	ADDRESS	4	TBVTENT1	WORD 1 OF ESAME CR12. REAL ADDRESS OF NEXT AVAILABLE ENTRY SLOT IN TRACE BUFFER (IN CONTROL REGISTER 12 FORMAT) AT THE LAST SUSPEND OR TRACE INTERRUPT FOR THE BUFFER.
72	(48)	CHARACTER	8	TBVTWORK	WORK AREA. AS THIS IS USED AS THE TARGET OF STCTG, IT MUST BE ON A DOUBLEWORD BOUNDARY
80	(50)	CHARACTER	0	TBVTEND	END OF TBVT.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4096	TBUF	TRACE BUFFER.
0	(0)	CHARACTER	4092	TBUFDATA	TRACE BUFFER DATA (TTES).
4092	(FFC)	CHARACTER	4	TBUFID	TBUF EBCDIC IDENTIFIER.
4096	(1000)	CHARACTER	0	TBUFEND	END OF TBUF.

TBVT Constants

Len	Type	Value	Name	Description
1	DECIMAL	1	TBVTLVLN	TBVT LEVEL NUMBER.

TBVT Cross Reference

Name	Hex Offset	Hex Value
TBUF	0	
TBUFDATA	0	
TBUFEND	1000	
TBUFID	FFC	
TBVT	0	
TBVTBCNT	2C	
TBVTBFGS	20	
TBVTBFG1	20	
TBVTBFG2	21	
TBVTBHA	24	
TBVTBLVL	4	
TBVTBPA	26	
TBVTBSA	22	
TBVTBSAT	38	
TBVTBST	20	
TBVTBTB	28	
TBVTBTOD	30	
TBVTBUFV	1C	
TBVTBWRD	18	
TBVTCR34	20	
TBVTC12C	20	40
TBVTC12E	8	
TBVTC120	8	
TBVTC121	C	
TBVTEND	50	
TBVTENTE	40	
TBVTENT0	40	
TBVTENT1	44	
TBVTFWRD	10	
TBVTID	0	
TBVTNXTR	10	
TBVTNXTV	14	
TBVTPID	6	
TBVTPLST	20	80
TBVTRASD	F	02
TBVTRBR	C	80
TBVTRBRE	8	80
TBVTREXP	F	01
TBVTRMOE	8	40
TBVTWORK	48	

TBWC Heading Information

Common Name: CTRACE Trace Buffer Writer Control area
Macro ID: ITTTBWC
DSECT Name: TBWC
Owning Component: CTRACE (SCTRC)
Eye-Catcher ID: None
Storage Attributes: Subpool: Determined by component
Key: Determined by component
Residency: Determined by component
Size: 8 bytes
Created by: The TBWC is created by the component that is using the CTRACE writer services.
Pointed to by: Private pointer (or data register), in containing module.
Serialization: None
Function: The TBWC is used as the communication area between the exploiting component and CTrace. This area indicates the status of a particular trace buffer.

TBWC Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TBWC	, Ctrace trace buffer writer control area
0	(0)	BITSTRING	1	TBWCUSRF	Flags set by the user of CTRACEWR
		1...		TBWCUTRC	"X'80'" =1 Component is tracing in the trace buffer
		.1..		TBWCUFUL	"X'40'" =1 Trace buffer is full
1	(1)	BITSTRING	1	TBWCCTRF	Flags set by CTRACEWR and cleared by the user
		1...		TBWCCCAP	"X'80'" =1 CTRACEWR is in the process of capturing the trace buffer
		.1..		TBWCCAVL	"X'40'" =1 The trace buffer has been captured and is now available to be filled again
2	(2)	BITSTRING	2	TBWCRSN	Reason code. Non-zero when CTRACE determines that the buffer is being reused before it is captured.
4	(4)	SIGNED	4	TBWCSEQ	This sequence number is incremented each time the component starts to fill the trace buffer
8	(8)	DBL WORD	8	TBWCEND (0)	- End of TBWC

TBWC Cross Reference

Name	Hex Offset	Hex Value
TBWC	0	
TBWCCAVL	1	40
TBWCCCAP	1	80
TBWCCTRF	1	
TBWCEND	8	
TBWCRSN	2	
TBWCSEQ	4	
TBWCUFUL	0	40
TBWCUSRF	0	
TBWCUTRC	0	80

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TCB Programming Interface information

Programming Interface information

TCB

ONLY the following fields are part of the programming interface information:

- TCBAFFN
- TCBANDSP
- TCBARC
- TCBBACK
- TCBBITCB
- TCBCELAP
- TCBCMP
- TCBCMPF
- TCBDEB
- TCBFLGS8
- TCBGRES
- TCBGRS
- TCBJLB
- TCBJSCBB
- TCBJSTCB
- TCBLEVEL
- TCBLLS
- TCBLTC
- TCBNTC
- TCBOTC
- TCBPIE
- TCBPKF
- TCBRBP
- TCBRV316
- TCBSENV
- TCBSTCB
- TCBSVCA2
- TCBSVCS
- TCBSVCSP
- TCBTCB
- TCBTCBID
- TCBTCT
- TCBTID
- TCBTIO
- TCBUSER

End of Programming Interface information

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TCB Heading Information

Common Name:	TASK CONTROL BLOCK
Macro ID:	IKJTCB
DSECT Name:	TCBFIX (DSECT card precedes prefix). The label, TCB, should be used in the USING statement for the TCB proper. TCBXTNT2 is the DSECT name for common extension.
Owning Component:	Task Management (SC1CL)
Eye-Catcher ID:	TCB Offset: 256 Length: 4
Storage Attributes:	Subpool: 253 Key: 0 Residency: Below 16 MB line
Size:	408 bytes
Created by:	IEAMSWCB, ATTACH

Pointed to by:
ASMTCBPT field of the ASMVT data area
ASXBFTCB field of the ASXB data area (first TCB)
ASXBLTCB field of the ASXB data area (last TCB)
CVTSLIDA field of the CVT data area (supervisor lock TCB)
CVTWTCB field of the CVT data area (dummy WAIT TCB)
DEBTCBAD field of the DEB data area
DSABTCBP field of the DSAB data area
EVNTTCBP field of the EVNT data area
JSCBTCBP field of the JSCB data area (initiator TCB)
LCTTCBAD field of the LCT data area
ORETCB field of the ORE data area
PQETCB field of the PQE data area
PSATNEW field of the PSA data area (new TCB to dispatch)
PSATOLD field of the PSA data area (current TCB dispatched)
QELTCB field of the QEL data area
QPLTCB field of the QPL data area
RBLINK field of the RB data area
RQETCB field of the RQE data area
SCVTCTCB field of the SCVT data area (Comm Task TCB)
SMCAWTCB field of the SMCA data area (SMF writer TCB)
SQETCB field of the SQE data area
SSETCBA field of the EOT SSOB data area (terminating TCB)
TAXETCB field of the TAXE data area
TCBTCB field of the TCB data area (next TCB)
TCBJSTCB field of the TCB data area (jobstep TCB)
TCBNTC field of the TCB data area (sister TCB)
TCBOTC field of the TCB data area (originating TCB)
TCBLTC field of the TCB data area (subtask TCB)
TCBBACK field of the TCB data area (previous TCB)
TCCWTCB field of the TCCW data area
TCTTCB field of the TCT data area
TIOCLDS field of the TIOCRPT data area (line disconnect TCB)
TQETCB field of the TQE data area
TSBWTCB field of the TSB data area (waiting TCB)
TSBCTCB field of the TSB data area (TPUT TCB)
UCMPXA field of the UCM data area (comm task TCB)
WEBUPTR field of the WEB data area
WQETCB field of the WQE data area
WQEJSTCB field of the WQE data area (associated jobstep TCB)

Serialization:
Depends on the field

Function:
The task control block (TCB) serves as a repository for information and pointers associated with a task. Various components of the control program place information in the TCB and obtain information from the TCB.

TCB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
-32	(-20)	STRUCTURE	0	TCBFIX	, - TCBPTR-32

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
-32	(-20)	CHARACTER	32	TCBFRS (0)	- FLOATING POINT REGISTER SAVE AREA
-32	(-20)	DBL WORD	8	TCBFRS0	- SAVE AREA FOR FLOATING POINT REGISTER 0
-24	(-18)	DBL WORD	8	TCBFRS2	- SAVE AREA FOR FLOATING POINT REGISTER 2
-16	(-10)	DBL WORD	8	TCBFRS4	- SAVE AREA FOR FLOATING POINT REGISTER 4
-8	(-8)	DBL WORD	8	TCBFRS6	- SAVE AREA FOR FLOATING POINT REGISTER 6
-8	(-8)	X'20'	0	TCBPXLEN	"*-TCBFIX" LENGTH OF PREFIX SECTION
				Comment	
	TCB PROPER				
				End of Comment	
0	(0)	DBL WORD	8	(0)	
0	(0)	X'20'	0	TCB	"*" - TCBPTR
0	(0)	ADDRESS	4	TCBRBP	- ADDRESS OF THE RB FOR EXECUTING PROGRAM. THIS OFFSET FIXED BY ARCHITECTURE.
4	(4)	ADDRESS	4	TCBPIE	- Address of SPIE/ESPIE Control Area Ownership: RTM Serialization: Local Lock
8	(8)	ADDRESS	4	TCBDEB	- ADDRESS OF THE DEB QUEUE
12	(C)	ADDRESS	4	TCBTIO	- ADDRESS OF THE TASK I/O TABLE (TIOT)
16	(10)	BITSTRING	4	TCBCMP (0)	- TASK COMPLETION CODE AND INDICATORS
16	(10)	BITSTRING	1	TCBCMPF	- INDICATOR FLAGS
		1...		TCBCREQ	"X'80'" - A DUMP HAS BEEN REQUESTED
		.1..		TCBCSTEP	"X'40'" - A STEP ABEND HAS BEEN REQUESTED
		..1.		TCBCPP	"X'20'" - SOME PROBLEM PROGRAM STORAGE WAS OVERLAID BY THE SECOND LOAD OF ABEND. A FIRST LOAD OVERLAY IS INDICATED IN TCBFLGS FIELD (OFFSET 29 DECIMAL). (OS/VS1)
		..1.		TCBDMPO	"X'20'" - DUMP OPTIONS WERE PROVIDED ON CALLRTM OR SETRP MACRO
		...1		TCBSTCC	"X'10'" - COMPLETION CODE IS NOT TO BE STORED IN TCBCMPC (OFFSET 17 DECIMAL) IF AN ABEND IS ENCOUNTERED. THIS IS TO PREVENT AN OVERLAY OF THE ORIGINAL COMPLETION CODE. (OS/VS1)
		...1		TCBNOCC	"X'10'" - A COMPLETION CODE WAS NOT PROVIDED ON CALLRTM MACRO. A DEFAULT CODE IS BEING USED.
		.... 1...		TCBCDBL	"X'08'" - A DOUBLE ABEND HAS OCCURRED (OS/VS1)
		.... 1...		TCBCASID	"X'08'" - ABEND WAS SCHEDULED VIA CROSS MEMORY ABTERM
		.... .1..		TCBCWTO	"X'04'" - A DUMP MESSAGE (WTO) IS TO BE ISSUED TO THE OPERATOR (OS/VS1)
		.... .1..		TCBRV316	"X'04'" - INDICATES REASON CODE (TCBARC) IS VALID
		.... ..1.		TCBCIND	"X'02'" - ABEND TO OUTPUT AN INDICATIVE DUMP (OS/VS1)
		1		TCBCMSG	"X'01'" - AN ABEND MESSAGE IS PROVIDED TO BE PRINTED BY ABDUMP (OS/VS1)
17	(11)	BITSTRING	3	TCBCMPC	- SYSTEM COMPLETION CODE IN FIRST 12 BITS, USER COMPLETION CODE IN LAST 12 BITS
20	(14)	ADDRESS	4	TCBTRN (0)	- ADDRESS OF TESTRAN CONTROL CORE TABLE
20	(14)	BITSTRING	1	TCBABF	- FLAG BYTE
		1...		TCBMOD91	"X'80'" - BOTH TESTRAN AND DECIMAL SIMULATOR ON A MOD 91
		.1..		TCBNOCHK	"X'40'" - SUPPRESS TAKING CHECKPOINTS FOR THIS STEP (JOB STEP TCB)
		..1.		TCBGRPH	"X'20'" - GAM/SP ACTIVE FOR THIS TASK
		.... 1...		TCBTCPP	"X'08'" - TCAM POST-PENDING (RORI)
		.... .1..		TCBTCP	"X'04'" - TEST TASK - USED BY TEST SVC
		.... ..1.		TCBOLTEP	"X'02'" - OLTEP FUNCTIONS REQUIRE CLEANUP BEFORE ABNORMAL TERMINATION CAN BE INVOKED
21	(15)	ADDRESS	3	TCBTRNB	- ADDRESS OF TESTRAN CONTROL CORE TABLE
24	(18)	ADDRESS	4	TCBMSS (0)	- ADDRESS OF LAST SPQE ON MSS QUEUE
24	(18)	BITSTRING	1		- HIGH ORDER BYTE OF TCBMSS
25	(19)	ADDRESS	3	TCBMSSB	- SAME AS TCBMSS

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
28	(1C)	BITSTRING	1	TCBPKF	- STORAGE PROTECTION KEY FOR THIS TASK. IF THERE IS NO STORAGE PROTECTION, ALL BITS ARE ZERO.
		1111		TCBFLAG	"X'F0'" - STORAGE PROTECTION KEY
		 1111		TCBZERO	"X'0F'" - MUST BE ZERO
29	(1D)	BITSTRING	5	TCBFLGS (0)	- FLAG BYTE FIELDS
29	(1D)	BITSTRING	1	TCBFLGS1	- FIRST TCB FLAG BYTE
		1...		TCBFA	"X'80'" - May be on when a task is being abnormally terminated. Do NOT use this bit as an indicator in any program. It is not a GUPI, and may not be relied upon. See the TCBDYING bit for program use.
		.1..		TCBFE	"X'40'" - On when the system is calling resource managers during abnormal termination.
		..1.		TCBFERA	"X'20'" - ENTER ABEND ERASE ROUTINE WHEN IN CONTROL AGAIN
		...1		TCBNONPR	"X'10'" - TASK IS NON-PREEMPTABLE
		.... 1...		TCBPDUMP	"X'08'" - PREVENT DUMP INDICATOR
		.... .1..		TCBFT	"X'04'" - TOP TASK IN TREE BEING ABTERMED
		.... ..1.		TCBFS	"X'02'" - ABTERM DUMP COMPLETED PROBLEM PROGRAM STORAGE HAS BEEN OVERLAID TO PROCESS ABEND (OS/VS1)
		1		TCBFX	"X'01'" - PROHIBIT QUEUEING OF ASYNCHRONOUS EXITS FOR THIS TASK
30	(1E)	BITSTRING	1	TCBFLGS2	- SECOND FLAG BYTE
		1...		TCBFOINP	"X'80'" - THE TASK IS ABENDING AND IS IN THE PROCESS OF (1) OPEN FOR DUMP DATA SET PROCESSING, (2) CLOSE FOR USER DATA SET OR (3) PURGE FOR ENQ'ED RESOURCES. THIS BIT IS USED IN CONJUNCTION WITH TCBSTACK. ICB374
		.1..		TCBFSTI	"X'40'" - SECOND JOB STEP INTERVAL HAS EXPIRED (INITIATOR TCB)
		..1.		TCBFABOP	"X'20'" - IF 1, THE SYSABEND DUMP DATA SET HAS BEEN OPENED FOR ABEND. IF 0, THE SYSUDUMP DUMP DATA SET WAS OPENED. THIS BIT IS ONLY USED FOR THE JOB STEP TCB AND IS USED IN CONJUNCTION WITH TCBFDSOP BIT. YM0651
		...1		TCBFSMC	"X'10'" - TASK HAS ISSUED A SYSTEM-MUST-COMPLETE AND SET ALL OTHER TASKS IN THE SYSTEM NONDISPATCHABLE
		.... 1...		TCBFJMC	"X'08'" - TASK HAS ISSUED A STEP-MUST-COMPLETE AND TURNED OFF ALL OTHER TASKS IN THE STEP
		.... .1..		TCBFDSOP	"X'04'" - SYSABEND OPEN FOR JOB STEP
		.... ..1.		TCBFETXR	"X'02'" - ETXR TO BE SCHEDULED
		1		TCBFTS	"X'01'" - THIS TASK IS A MEMBER OF A TIME-SLICED GROUP
31	(1F)	BITSTRING	1	TCBFLGS3	- THIRD FLAG BYTE. SERIALIZATION - TCBACTIV OR TASK NONDISPATCHABLE AND LOCAL LOCK
		1...		TCBFSM	"X'80'" - ALL PSW'S IN SUPERVISOR STATE
		.1..		TCBRT1S	"X'40'" - RTM1 HAS INVOKED SLIP FOR A TASK IN EUT MODE. RTM2 MAY BYPASS SLIP PROCESSING OWNERSHIP - RTM
		..1.		TCBABTRM	"X'20'" - ABTERM BIT TO PREVENT MULTIPLE ABENDS
		...1		TCBFXSET	"X'10'" - TCBFX WAS SET BY STATUS MCSTEP
		.... .1..		TCBKEY9	"X'04'" - TCB was attached using KEY=NINE and so is to be treated as having a different key than the attacher
		.... ..1.		TCBENQRM	"X'02'" - ENQ/DEQ RESOURCE MANAGER HAS RECEIVED CONTROL. NO FURTHER DIRECTED ENQS ALLOWED. SERIALIZATION - TCBACTIV AND CMSEQDQ CLASS LOCK. OWNERSHIP - GRS.
		1		TCBDWSTA	"X'01'" - THIS TASK WAS DETACHED WITH STAE=YES OPTION ICB315
32	(20)	BITSTRING	1	TCBFLGS4	- NONDISPATCHABILITY FLAGS
		1...		TCBNDUMP	"X'80'" - ABDUMP NONDISPATCHABILITY INDICATOR
		.1..		TCBSER	"X'40'" - SER1 NONDISPATCHABILITY INDICATOR
		..1.		TCBRQENA	"X'20'" - I/O RQE'S EXHAUSTED

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		...1		TCBHNDSP	"X'10'" - TASK OR JOB STEP IS MOMENTARILY 'FROZEN' UNTIL THE REQUIRED RESOURCES ARE AVAILABLE. THE BIT IS SET THROUGH THE USE OF THE 'STATUS' SVC ICB453
		.... 1...		TCBUXNDV	"X'08'" - TASK IS TEMPORARILY NONDISPATCHABLE BECAUSE SMF TIME LIMIT OR SYSOUT LIMIT USER EXIT ROUTINE IS BEING EXECUTED FOR THIS STEP
		.... .1..		TCBRBWF	"X'04'" - TOP RB IS IN WAIT STATE
		1		TCBONDSP	"X'01'" - TASK TERMINATING AND NONDISPATCHABLE BECAUSE EITHER OPEN FOR DUMP DATA SET IS IN PROCESS OR CLOSE BY ABEND IS IN PROCESS
33	(21)	BITSTRING	1	TCBFLGS5	- MORE NONDISPATCHABILITY FLAGS. IF ANY BIT IN THIS BYTE IS 1, THE TASK IS NONDISPATCHABLE.
		1...		TCBFC	"X'80'" - TASK TERMINATED
		.1..		TCBABWF	"X'40'" - ABNORMAL WAIT
		.1..		TCBUXNDF	"X'40'" - TASK IS TEMPORARILY NONDISPATCHABLE BECAUSE SMF TIME LIMIT OR SYSOUT LIMIT USER EXIT ROUTINE IS BEING EXECUTED FOR THIS STEP. THIS BIT IS SET TO 1 IN ALL TCB'S EXCEPT JOB STEP TCB. (OS/VS1) ICB263
		..1.		TCBPAGE	"X'20'" - TASK IS NONDISPATCHABLE DUE TO EXCESSIVE PAGING RATE
		...1		TCBANDSP	"X'10'" - TASK IS TEMPORARILY NONDISPATCHABLE BECAUSE IT WAS ATTACHED UNDER THE DISP=NO OPERAND
		.... 1...		TCBSYS	"X'08'" - ANOTHER TASK IS IN SYSTEM-MUST-COMPLETE STATUS OR A SUMMARY BIT FOR FIELD TCBSYSCT
		.... .1..		TCBSTP	"X'04'" - ANOTHER TASK IN THIS JOB STEP IS IN STEP-MUST-COMPLETE STATUS
		.... ..1.		TCBFCD1	"X'02'" - INITIATOR WAITING FOR REGION
		1		TCBPNDSP	"X'01'" - PRIMARY NONDISPATCHABILITY BIT. THIS BIT IS SET TO 1 IF ANY OF THE SECONDARY NONDISPATCHABILITY BITS (OFFSETS 173, 174, 175, 200 OR 201 DECIMAL) IS SET TO 1. THIS BIT IS SET TO 0 IF A SECONDARY NONDISPATCHABILITY BIT IS SET TO 0 AND ALL OTHER SECONDARY NONDISPATCHABILITY BITS ARE 0.
34	(22)	SIGNED	1	TCBLMP	- TASK LIMIT PRIORITY
35	(23)	SIGNED	1	TCBDSP	- DISPATCHING PRIORITY FOR THIS TASK
36	(24)	ADDRESS	4	TCBLLS	- ADDRESS OF LAST LOAD LIST ELEMENT (LLE) IN LOAD LIST
40	(28)	ADDRESS	4	TCBJLB	- ADDRESS OF A JOBLIB DCB
44	(2C)	ADDRESS	4	TCBJPQ (0)	- ADDRESS OF LAST CDE FOR JOB PACK AREA (JPA) CONTROL QUEUE
44	(2C)	BITSTRING	1	TCBPURGE	- HIGH ORDER BYTE
		1...		TCBJPQF	"X'80'" - JPQ PURGE FLAG
45	(2D)	ADDRESS	3	TCBJPQB	- LOW ORDER 24-BITS OF TCBJPQ
48	(30)	CHARACTER	64	TCBGRS (0)	- GENERAL REGISTER SAVE AREA. THIS OFFSET FIXED BY ARCHITECTURE.
48	(30)	SIGNED	4	TCBGRS0	- SAVE AREA FOR GENERAL REGISTER 0
52	(34)	SIGNED	4	TCBGRS1	- SAVE AREA FOR GENERAL REGISTER 1
56	(38)	SIGNED	4	TCBGRS2	- SAVE AREA FOR GENERAL REGISTER 2
60	(3C)	SIGNED	4	TCBGRS3	- SAVE AREA FOR GENERAL REGISTER 3
64	(40)	SIGNED	4	TCBGRS4	- SAVE AREA FOR GENERAL REGISTER 4
68	(44)	SIGNED	4	TCBGRS5	- SAVE AREA FOR GENERAL REGISTER 5
72	(48)	SIGNED	4	TCBGRS6	- SAVE AREA FOR GENERAL REGISTER 6
76	(4C)	SIGNED	4	TCBGRS7	- SAVE AREA FOR GENERAL REGISTER 7
80	(50)	SIGNED	4	TCBGRS8	- SAVE AREA FOR GENERAL REGISTER 8
84	(54)	SIGNED	4	TCBGRS9	- SAVE AREA FOR GENERAL REGISTER 9
88	(58)	SIGNED	4	TCBGRS10	- SAVE AREA FOR GENERAL REGISTER 10
92	(5C)	SIGNED	4	TCBGRS11	- SAVE AREA FOR GENERAL REGISTER 11
96	(60)	SIGNED	4	TCBGRS12	- SAVE AREA FOR GENERAL REGISTER 12
100	(64)	SIGNED	4	TCBGRS13	- SAVE AREA FOR GENERAL REGISTER 13
104	(68)	SIGNED	4	TCBGRS14	- SAVE AREA FOR GENERAL REGISTER 14

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
108	(6C)	SIGNED	4	TCBGRS15	- SAVE AREA FOR GENERAL REGISTER 15
112	(70)	ADDRESS	4	TCBFSA (0)	- ADDRESS OF THE FIRST PROBLEM PROGRAM SAVE AREA
112	(70)	SIGNED	1		- FIRST BYTE OF TCBFSA
113	(71)	ADDRESS	3	TCBFSAB	- ADDRESS OF THE FIRST PROBLEM PROGRAM SAVE AREA
116	(74)	ADDRESS	4	TCBTCB	- Queue of TCBs in an address space. Note: The queue is not maintained in priority order.
120	(78)	ADDRESS	4	TCBTME	- ADDRESS OF THE TIMER QUEUE ELEMENT (TQE)
		1...		TCBTQET	"X'80'" - IF ZERO, TASK TYPE TQE. IF ONE, REAL/WAIT TYPE TQE.
124	(7C)	ADDRESS	4	TCBJSTCB (0)	- ADDRESS OF FIRST JOB STEP TCB OR OF THIS TCB IF KEY ZERO
124	(7C)	BITSTRING	1		- HIGH ORDER BYTE OF TCBJSTCB
125	(7D)	ADDRESS	3	TCBJSTCA	- LOW ORDER 24 BITS OF TCBJSTCB
128	(80)	ADDRESS	4	TCBNTC	- ADDRESS OF THE TCB FOR THE TASK PREVIOUSLY ATTACHED BY THE TASK THAT ATTACHED THIS TASK. FOR EXAMPLE, IF TASK A ATTACHED TASK B AND THEN TASK C, THIS FIELD IN TASK C'S TCB POINTS TO TASK B'S TCB, AND THIS FIELD IN TASK B'S TCB IS ZERO.
132	(84)	ADDRESS	4	TCBOTC	- ADDRESS OF THE TCB FOR THE TASK (THE ORIGINATING TASK) THAT ATTACHED THIS TASK. THIS FIELD IS ZERO IN THE TCB FOR A SYSTEM TASK.
136	(88)	ADDRESS	4	TCBLTC	- ADDRESS OF THE TCB FOR THE TASK LAST ATTACHED BY THIS TASK. NOTE - IF A TASK (THE ORIGINATING TASK) HAS ATTACHED OTHER TASKS, THE TCB'S FOR THE OTHER TASKS ARE ON THE SUBTASK QUEUE OF THE ORIGINATING TASK. TCBLTC IN THE TCB FOR THE ORIGINATING TASK POINTS TO THE LAST TCB (THE TCB FOR THE LAST ATTACHED TASK) IN THE SUBTASK QUEUE. IN EACH TCB ON THE SUBTASK QUEUE, EXCEPT THE FIRST TCB, TCBNTC POINTS TO THE PRECEDING TCB ON THE QUEUE.
140	(8C)	ADDRESS	4	TCBIQE	- ADDRESS OF AN INTERRUPTION QUEUE ELEMENT (IQE) FOR SCHEDULING THE ETXR ROUTINE OF THE TASK THAT ATTACHED THIS TASK.
144	(90)	ADDRESS	4	TCBECB	- ADDRESS OF THE ECB THAT WILL BE POSTED BY THE SUPERVISOR'S TASK TERMINATION ROUTINES WHEN NORMAL OR ABNORMAL TERMINATION OCCURS.
148	(94)	BITSTRING	1	TCBTSFLG	- TIME SHARING FLAGS
		1...		TCBTSTSK	"X'80'" - SWAPPED TIME SHARING TASK (OS/VS1)
		.1..		TCBSTPPR	"X'40'" - TASK SHOULD BE MADE NONDISPATCHABLE VIA TCBSTPP WHEN IT IS NO LONGER RUNNING A PRIVILEGED PROGRAM
		..1.		TCBATT	"X'20'" - TASK SHOULD NOT HAVE ATTENTION EXITS SCHEDULED ON IT BY EXIT EFFECTOR. THIS OFFSET FIXED BY ARCHITECTURE.
		...1		TCBTIOTG	"X'10'" - PURGE TGET/TPUT AFTER ATTENTION
		.... 1...		TCBSMCP	"X'08'" - STATUS MCSTEP PENDING,TASK IS SUSPENDED
		.... ..1.		TCBDYDSP	"X'02'" - M195 TASK IS MEMBER OF DYNAMIC DISPATCHING GROUP ICB262
		1		TCBCPUBN	"X'01'" - FOR M195, ZERO MEANS I/O BOUND AND ONE MEANS CPU BOUND ICB262
149	(95)	SIGNED	1	TCBSTPCT	- NUMBER OF SETTASK STARTS WHICH MUST BE ISSUED BEFORE TASK IS MADE DISPATCHABLE - FIELD NOT RESTRICTED TO TSO
150	(96)	SIGNED	1	TCBTSLP	- LIMIT PRIORITY OF TIME SHARING TASK
151	(97)	BITSTRING	1	TCBTSDP	- DISPATCHING PRIORITY OF TIME SHARING TASK
152	(98)	ADDRESS	4	TCBRD	POINTER TO DPQE MINUS 8 FOR THE JOB STEP SERIALIZATION - THE LOCAL LOCK. OWNERSHIP - VSM.
152	(98)	X'B8'	0	TCBPQE	"TCBRD" SAME AS TCBRD
156	(9C)	ADDRESS	4	TCBAE	LIST ORIGIN OF AQE(S) FOR THIS TASK SERIALIZATION - THE LOCAL LOCK. OWNERSHIP - VSM.
156	(9C)	X'BC'	0	TCBAQE	"TCBAE" SAME AS TCBAE

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
160	(A0)	ADDRESS	4	TCBSTAB (0)	- ADDRESS OF THE CURRENT STAE CONTROL BLOCK
160	(A0)	BITSTRING	1	TCBNSTAE	- FLAGS INTERNAL TO STAE ROUTINE
		1...		TCBSTABE	"X'80'" - ABEND ENTERED BECAUSE OF ERROR IN STAE PROCESSING
		.1..		TCBQUIES	"X'40'" - STAE INVOKED PURGE I/O ROUTINE WITH QUIESCE I/O OPTION
		..1.		TCB33E	"X'20'" - A 33E ABEND HAS OCCURRED FOR TASK
		...1		TCBPPSUP	"X'10'" - 1=SUPERVISOR MODE,0=PROBLEM PROGRAM MODE INDICATOR TO SYNCH OF THE MODE OF THE USER EXIT
		.... 1...		TCBHALT	"X'08'" - PURGE I/O ROUTINE DID NOT SUCCESSFULLY QUIESCE I/O, BUT I/O WAS HALTED
		.... .1..		TCBSYNCH	"X'04'" - SYNCH ISSUED BY ASIR TO SCHEDULE EXIT ROUTINE
		1		TCBSTCUR	"X'01'" - STAE RECURSION VALID ICB443
161	(A1)	ADDRESS	3	TCBSTABB	- ADDRESS OF THE CURRENT STAE CONTROL BLOCK
164	(A4)	ADDRESS	4	TCBTCT (0)	- ADDRESS OF THE TIMING CONTROL TABLE (TCT) IF SYSTEM MANAGEMENT FACILITIES (SMF) DATA IS BEING COLLECTED FOR THE TASK. ZERO IF SMF DATA IS NOT BEING COLLECTED FOR THE TASK. SERIALIZATION: LOCAL LOCK.
164	(A4)	BITSTRING	1	TCBTCTGF	- FLAG BYTE FOR TIMING CONTROL TABLE ICB318
		1...		TCBSMFGF	"X'80'" - IF ZERO, THE TCT CORE TABLE IS NOT TO BE UPDATED BY GETMAIN/FREEMAIN. IF ONE, THE TCT CORE TABLE IS TO BE UPDATED BY GETMAIN/FREEMAIN. ICB318
165	(A5)	ADDRESS	3	TCBTCTB	- ADDRESS OF THE TIMING CONTROL TABLE (TCT) IF SYSTEM MANAGEMENT FACILITIES (SMF) DATA IS BEING COLLECTED FOR THE TASK. ZERO IF SMF DATA IS NOT BEING COLLECTED FOR THE TASK OR FOR OS/VS1, IF SMF IS NOT IN THE SYSTEM.
168	(A8)	ADDRESS	4	TCBUSER	- A WORD AVAILABLE TO THE USER
172	(AC)	BITSTRING	4	TCBSCNDY (0)	- SECONDARY NONDISPATCHABILITY BITS. IF ANY BIT IN THE FOLLOWING FOUR BYTES IS 1, THE PRIMARY NONDISPATCHABILITY BIT (OFFSET 33.7 DECIMAL) IS 1, AND THE TASK IS NONDISPATCHABLE.
172	(AC)	BITSTRING	4	TCBNDSP (0)	- SAME AS TCBSCNDY
172	(AC)	BITSTRING	1	TCBNDSP0	- BYTE 0
173	(AD)	BITSTRING	1	TCBNDSP1	- BYTE 1
		1...		TCBDARTN	"X'80'" - THE TASK IS TEMPORARILY NONDISPATCHABLE - DAMAGE ASSESSMENT ROUTINE (DAR)
173	(AD)	X'80'	0	TNONDISP	"TCBDARTN" * ALIAS *
		.1..		TCBDARPN	"X'40'" - THE TASK IS PERMANENTLY NONDISPATCHABLE - DAMAGE ASSESSMENT ROUTINE (DAR)
173	(AD)	X'40'	0	PNONDISP	"TCBDARPN" * ALIAS *
		..1.		TCBRSTND	"X'20'" - THE TASK IS TEMPORARILY NONDISPATCHABLE - RECOVERY MANAGEMENT SUPPORT AND SYSTEM ERROR RECOVERY (RMS/SER)
		...1		TCBRSPND	"X'10'" - THE TASK IS PERMANENTLY NONDISPATCHABLE - RECOVERY MANAGEMENT SUPPORT AND SYSTEM ERROR RECOVERY (RMS/SER) (IF THIS BIT IS ON THEN THE PREVIOUS BIT MUST BE ON TOO)
		.... 1...		TCBDDRND	"X'08'" - THE TASK IS IN DEVICE ALLOCATION AND DYNAMIC DEVICE RECONFIGURATION (DDR) HAS MADE IT NONDISPATCHABLE - RECOVERY MANAGEMENT SUPPORT AND SYSTEM ERROR RECOVERY (RMS/SER) (OS/VS1)
		.... .1..		TCBTPSP	"X'04'" - DISPATCHING OF TCAM TASK MUST BE DELAYED UNTIL TCAM I/O APPENDAGE OR SVC ROUTINE HAS COMPLETED EXECUTION (TCAM IN MULTIPROCESSING ENVIRONMENT)
		.... ..1.		TCBPIEND	"X'02'" - SRB IS TO BE SCHEDULED TO PERFORM PIE/PICA PROCESSING (FIRST LEVEL INTERRUPT HANDLER)

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		1		TCBABTIN	"X'01'" - THE TASK IS TEMPORARILY NONDISPATCHABLE WHILE BEING SET UP FOR ABTERM
174	(AE)	BITSTRING	1	TCBNDSP2	- BYTE 2
		1...		TCBABD	"X'80'" - ABDUMP IS PROCESSING (OS/VS1)
		.1..		TCBSTPP	"X'40'" - TASK SET NONDISPATCHABLE BY SETTASK
		..1.		TCBNDSVC	"X'20'" - TASK IS NONDISPATCHABLE BECAUSE SVC DUMP IS EXECUTING FOR ANOTHER TASK
		...1		TCBNDTS	"X'10'" - TASK IS NONDISPATCHABLE BECAUSE IT IS BEING SWAPPED OUT
		.... 1...		TCBIWAIT	"X'08'" - TASK IS NONDISPATCHABLE DUE TO AN INPUT WAIT
		.... .1..		TCBOWAIT	"X'04'" - TASK IS NONDISPATCHABLE DUE TO AN OUTPUT WAIT
		.... ..1.		TCBDSS	"X'02'" - DYNAMIC SUPPORT SYSTEM (DSS) HAS SET THIS TASK NONDISPATCHABLE ICB313
		1		TCBABE	"X'01'" - ABEND ROUTINE WAS ENTERED FOR THIS TASK WHILE THE DCB FOR SYSABEND (OR SYSUDUMP) DATA SET WAS BEING OPENED FOR ANOTHER TASK (OS/VS1)
175	(AF)	BITSTRING	1	TCBNDSP3	- BYTE 3
		1...		TCBLJSND	"X'80'" - TASK IS ABENDING AND NONDISPATCHABLE BECAUSE IT HAS A JOB STEP SUBTASK. TCBONDSP MUST ALSO BE ON.
		.1..		TCBNDNYI	"X'40'" - RCT TASK IS NONDISPATCHABLE BECAUSE ADDRESS SPACE IS NOT YET INITIALIZED FULLY
		..1.		TCBSRBND	"X'20'" - TCB NONDISPATCHABLE BECAUSE SRB'S ARE STOPPED
		...1		TCBSLPER	"X'10'" - SET NONDISPATCHABLE SO THAT SLIP/PER CAN ALTER RB PSW PER BIT
		.... 1...		TCBS3MR	"X'08'" - STAGE 3 EXIT EFFECTOR MUST RUN TO SYNCHRONIZE ATTENTION INTERRUPT
		.... .1..		TCBAREQ	"X'04'" - TSO AUTHORIZED REQUEST PROCESSING ACTIVE
		.... ..1.		TCBNDSMF	"X'02'" - Indicates task is stopped because its CPU or continuous wait time has been exceeded. SMF determines whether to grant extension or abend task. Ownership: SMF.
		1		TCBNDINT	"X'01'" - INITIATOR SETS THIS BIT TO PREVENT JOB STEP EXECUTION IN ORDER TO DO CANCEL PROCESSING (CAN CANCEL LOOP)
176	(B0)	SIGNED	4	TCBMDIDS	- RESERVED FOR MODEL-DEPENDENT SUPPORT AND FOR IBM PROPRIETARY PROGRAMMING SUPPORT ICBXXX
180	(B4)	ADDRESS	4	TCBJSCB (0)	- ADDRESS OF THE JOB STEP CONTROL BLOCK
180	(B4)	BITSTRING	1	TCBRECDE	- ABEND RECURSION BYTE ICB456
		1...		TCBREC	"X'80'" - VALID REENTRY TO ABEND IF NON-ZERO VALUE IN FOLLOWING 7 BITS ICB456
		1		TCBOPEN	"X'01'" - OPEN DUMP DATA SET ICB456
		.... ..1.		TCBCLOSD	"X'02'" - CLOSE DIRECT SYSOUT ON TAPE ICB456
		11		TCBCLOSE	"X'03'" - CLOSE OPEN DATA SETS ICB456
		.... .1..		TCBCLOSF	"X'04'" - RESERVED. ICB456
		.... .1.1		TCBGREC	"X'05'" - GRAPHICS ICB456
		.... .111		TCBADUMP	"X'07'" - ABDUMP ICB456
		.... 1...		TCBPTAXE	"X'08'" - PURGE TAXE ICB456
		.... 1..1		TCBMESG	"X'09'" - MESSAGE RECURSION ICB456
		.... 1.1.		TCBDYNAM	"X'0A'" - DD-DYNAM TIOT CLEANUP ICB456
		.... 1.11		TCBDAMSG	"X'0B'" - ABEND IS ISSUING A WTOR ASKING WHETHER THE JOB STEP TASK SHOULD WAIT FOR THE DUMP AREA (OS/VS1)
		.... 11..		TCBQTIP	"X'0C'" - PURGE TSO INTERPARTITION POSTS ICB456
		.... 11.1		TCBTCAMP	"X'0D'" - PURGE TCAM INTERPARTITION POSTS ICB456
		.... 111.		TCBINDRC	"X'0E'" - INDICATIVE DUMP (LOAD 8 OF ABEND) HAS ABENDED. ABEND WILL HANDLE THIS ABEND. (OS/VS1)
		 1111		TCBSAVCD	"X'0F'" - ASIR RECURSION. SAVE OLD COMPLETION CODE ICB456
		...1		TCBTYP1W	"X'10'" - TYPE 1 MESSAGE WRITE TO PROGRAMMER ICB456

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		..1.		TCBWTPSE	"X'20'" - WRITE-TO-PROGRAMMER (WTP) FAILED. JOB STEP TIMER EXPIRED DURING JOB STEP ABEND AND THE STAE EXIT IS DENIED. (OS/VS1)
		..1. ...1		TCBVTAM1	"X'21'" - ABEND IS ENTERING FIRST VTAM INTERFACE, ISTRAAA1, FOR TERMINATION OF TASK OR SUBTASK (OS/VS1)
		..1. ..1.		TCBVTAM2	"X'22'" - ABEND IS ENTERING SECOND VTAM INTERFACE, ISTRAAA2, BECAUSE ISTRAAA1 ABENDED (OS/VS1)
		..1. ..11		TCBVTAM3	"X'23'" - ABEND IS ENTERING FIRST VTAM INTERFACE, ISTRAAA0, BECAUSE VTAM ABENDED (OS/VS1)
		..1. .1..		TCBVTAM4	"X'24'" - ABEND IS ENTERING SECOND VTAM INTERFACE, ISTRAAA2, BECAUSE ISTRAAA0 ABENDED (OS/VS1)
		..11		TCBNOSTA	"X'30'" - STAE/STAI NOT TO BE HONORED ICB456
		..11 ...1		TCBSTRET	"X'31'" - RETURN FROM DUMP PROCESSING ICB456
		..11 ..1.		TCBCONVR	"X'32'" - CONVERT TO STEP ABEND ICB456
		..11 ..11		TCBDARET	"X'33'" - RETURN FROM DAMAGE ASSESSMENT ROUTINES ICB456
		..11 .1..		TCBTYP1R	"X'34'" - RETURN FROM TYPE 1 MESSAGE MODULE ICB456
		..11 .1.1		TCBNEWRB	"X'35'" - ABEND ISSUED SVC 13 TO TRANSFER CONTROL (XCTL) TO A NON-ABEND MODULE ICB456
		.1..		TCBMCCNS	"X'40'" - A MUST COMPLETE TASK HAS ABNORMALLY TERMINATED WITHOUT ENOUGH STORAGE FOR 2 RB'S FOR A WTOR ASKING WHETHER THE TASK'S RESOURCES ARE CRITICAL. THE RESOURCES ARE ASSUMED TO BE CRITICAL, AND THE PARTITION IS MARKED PERMANENTLY NONDISPATCHABLE. (OS/VS1) ICB492
181	(B5)	ADDRESS	3	TCBJSCBB	- ADDRESS OF THE JOB STEP CONTROL BLOCK
184	(B8)	ADDRESS	4	TCBSSAT	- ADDRESS OF THE SUBSYSTEM AFFINITY TABLE (SSAT). SERIALIZATION - TCBACTIV. OWNERSHIP - TASK MANAGEMENT.
188	(BC)	ADDRESS	4	TCBIOBRC	- ADDRESS OF IOB RESTORE CHAIN FOR I/O QUIESCED BY EOT YM2840
192	(C0)	ADDRESS	4	TCBEXCPD	- ADDRESS OF EXCP DEBUG AREA YM4297
196	(C4)	ADDRESS	4	TCBEXT1 (0)	- ADDRESS OF OS-OS/VS COMMON TCB EXTENSION ICB311
196	(C4)	BITSTRING	1		- RESERVED.
197	(C5)	ADDRESS	3	TCBEXT1A	- ADDRESS OF OS-OS/VS COMMON TCB EXTENSION ICB311

Comment

OS/VS1 - OS/VS2 COMMON SECTION

End of Comment

200	(C8)	BITSTRING	4	TCBBITS (0)	- FLAG BYTES. IF A BIT IN THE FOLLOWING TWO BYTES IS SET TO 1, THE PRIMARY NONDISPATCHABILITY BIT (OFFSET 33.7 DECIMAL) IS SET TO 1, AND THE TASK IS NONDISPATCHABLE.
200	(C8)	BITSTRING	1	TCBNDSP4	- SECONDARY NONDISPATCHABILITY FLAGS COMMON TO OS/VS1 AND OS/VS2. COORDINATED WITH PRIMARY NONDISPATCHABILITY FLAG TCBPNDSP. THIS BYTE IS NOT CURRENTLY SUPPORTED BY OS/VS2.
201	(C9)	BITSTRING	1	TCBNDSP5	- SECONDARY NONDISPATCHABILITY FLAGS UNIQUE TO OS/VS1 OR OS/VS2. COORDINATED WITH PRIMARY NONDISPATCHABILITY FLAG TCBPNDSP. THIS BYTE IS NOT CURRENTLY SUPPORTED BY OS/VS2.
202	(CA)	BITSTRING	1	TCBFLGS6	- TASK-RELATED FLAGS
		1...		TCBRV	"X'80'" - THE PARTITION IS FIXED IN REAL STORAGE. VIRTUAL ADDRESSES ARE EQUAL TO REAL ADDRESSES.
		.1..		TCBPIE17	"X'40'" - PAGE FAULT INTERRUPT IS TO BE PASSED TO THE TASK'S INTERRUPT EXIT AND AN 8-BYTE PICA IS IN EFFECT FOR THIS TASK ICB339
		..1.		TCBCPU	"X'20'" - TASK IS CPU-BOUND MEMBER OF AUTOMATIC PRIORITY GROUP (APG)

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		...1		TCBSPVLK	"X'10'" - TASK SCHEDULED FOR ABTERM WHILE OWNING SUPERVISOR LOCK
		.... .1..		TCBMIGR	"X'04'" - REGION SELECTED FOR MIGRATION FROM PRIMARY PAGING DEVICE
		.... ..1.		TCBAPG	"X'02'" - TASK IS IN AUTOMATIC PRIORITY GROUP (APG)
		1		TCBNTJS	"X'01'" - JOB STEP TASK BUT NOT HIGHEST IN FAILING TREE
203	(CB)	BITSTRING	1	TCBFLGS7	- TASK-RELATED FLAGS
		1...		TCBGPECB	"X'80'" - TASK IS IN AN ECB WAIT FOR A GETPART ICB339
		..1.		TCBSVCSP	"X'20'" - IF 1, SVC SCREENING IS TO BE PROPAGATED TO SUBTASKS
		...1		TCBSTACK	"X'10'" - SET IN JOB STEP TCB TO INDICATE THAT A TASK IN THE JOB STEP IS IN SERIAL ABEND PROCESSING. USED IN CONJUNCTION WITH TCBFOINP. ICB374
		.... 1...		TCBSVCS	"X'08'" - IF 1, SVC SCREENING IS REQUIRED FOR THE TASK. THIS OFFSET FIXED BY ARCHITECTURE.
		.... .1..		TCBRSTSK	"X'04'" - RESIDENT SYSTEM TASK
		.... ..1.		TCBADMP	"X'02'" - ALL OTHER TASKS IN JOB STEP HAVE BEEN SET NONDISPATCHABLE BY ABDUMP. THIS BIT IS SET TO CONTROL JOB STEP DURING THE DUMPING PROCESS.
		1		TCBGTOFM	"X'01'" - GENERALIZED TRACE FACILITY (GTF) TRACING HAS BEEN TEMPORARILY DISABLED UNDER THIS TASK ICB402
204	(CC)	BITSTRING	1	TCBDAR	- DAMAGE ASSESSMENT ROUTINE (DAR) FLAGS
		1...		TCBDARP	"X'80'" - PRIMARY DAR RECURSION. DAR HAS BEEN ENTERED FOR THIS TASK.
		.1..		TCBDARS	"X'40'" - SECONDARY DAR RECURSION. IF DAR IS REENTERED, THIS TASK WILL BE SET NONDISPATCHABLE.
		..1.		TCBDARD	"X'20'" - A DUMP HAS BEEN REQUESTED FOR A WRITER OR SCHEDULER ABEND, AND THE USER HAS PROVIDED NO SYSABEND DD CARD (OS/VS1)
		...1		TCBDARC	"X'10'" - RECURSION PERMITTED IN CLOSE - AFTER DAR PROCESSING COMPLETED (PCP)
		...1		TCBDARMC	"X'10'" - DAR HAS BEEN ENTERED TO HANDLE A VALID RECURSION IN MUST-COMPLETE STATUS THROUGH ABEND ICB264
		.... 1...		TCBDARO	"X'08'" - SYSTEM ERROR TASK IS FAILING. DAR DUMP SHOULD NOT REQUEST ANY ERROR RECOVERY PROCEDURE (ERP) PROCESSING.
		.... .1..		TCBDARWT	"X'04'" - A WTO OPERATION WITH A 'REINSTATEMENT FAILURE' MESSAGE IS IN PROCESS FOR DAR ICB264
		.... ..1.		TCBDARMS	"X'02'" - WTO OPERATION WITH A 'DAR IN PROGRESS' MESSAGE IS IN PROCESS FOR DAR (OS/VS1)
		1		TCBEXSVC	"X'01'" - THE DUMP SVC ROUTINE IS EXECUTING FOR THIS TASK
205	(CD)	BITSTRING	1	TCBRSV37	- RESERVED FOR USER
206	(CE)	SIGNED	1	TCBSYSCT	- NUMBER OF OUTSTANDING SYSTEM-MUST-COMPLETE REQUESTS (ICB497) YM3883
207	(CF)	SIGNED	1	TCBSTMCT	- NUMBER OF OUTSTANDING STEP-MUST-COMPLETE REQUESTS (ICB497) YM3883
208	(D0)	ADDRESS	4	TCBEXT2 (0)	- ADDRESS OF OS/VS1 - OS/VS2 COMMON EXTENSION ICB311
208	(D0)	BITSTRING	1		- FIRST BYTE OF TCBEXT2
209	(D1)	ADDRESS	3	TCBEXT2A	- ADDRESS OF OS/VS1 - OS/VS2 COMMON EXTENSION ICB311

Comment

OS/VS2 TCB OVERLAY

End of Comment

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
212	(D4)	SIGNED	4	TCBAECB	- ABEND ECB. POSTED BY A MOTHER TASK IN RTM2 PROCESSING WHEN A DAUGHTER IS WAITING TO TERMINATE IT.
216	(D8)	ADDRESS	4	TCBXSB	- ADDRESS OF CURRENT XSB FOR TASK. SERIALIZATION - TCBACTIV. OWNERSHIP - SUPERVISOR.
220	(DC)	ADDRESS	4	TCBBACK	- ADDRESS OF PREVIOUS TCB ON READY QUEUE. ZERO IN TOP TCB.
224	(E0)	ADDRESS	4	TCBRTWA	- POINTER TO CURRENT RTM2 WORK AREA
228	(E4)	ADDRESS	4	TCBNSSP	- NORMAL STACK SAVE AREA POINTER. SERIALIZATION - TCBACTIV. OWNERSHIP - SUPERVISOR.
		1...		TCBNSSQA	"X'80'" - NORMAL STACK SAVED IN SQA INDICATOR.
232	(E8)	ADDRESS	4	TCBXLAS	- ASCB ADDRESS OF THE CML LOCK HELD WHILE TCB SUSPENDED OR INTERRUPTED. SERIALIZATION - TCBACTIV. OWNERSHIP - SUPERVISOR.
236	(EC)	CHARACTER	1	TCBABCUR	- ABEND RECURSION BYTE
237	(ED)	SIGNED	1	TCBFJMCT	- NUMBER OF OUTSTANDING STEP-MUST-COMPLETE REQUESTS ISSUED BY THE TASK
238	(EE)	CHARACTER	1	TCBTID	- The task identifier as specified on the TID parameter of ATTACH or ATTACHX. The following task identifiers are for internal use only:
238	(EE)	X'FF'	0	TCBPAGID	"255" - ID FOR PAGING SUPERVISOR TASK ICB403
238	(EE)	X'FE'	0	TCBSYERR	"254" - ID FOR SYSTEM ERROR TASK ICB403
238	(EE)	X'FD'	0	TCBCOMM	"253" - ID FOR COMMUNCIATIONS TASK ICB403
238	(EE)	X'FC'	0	TCBIORMS	"252" - ID FOR I/O RMS TASK ICB403
238	(EE)	X'FB'	0	TCBMASTR	"251" - ID FOR MASTER SCHEDULER TASK ICB403
238	(EE)	X'FA'	0	TCBJES	"250" - ID FOR JOB ENTRY SUBSYSTEM (JES) MONITOR TASK ICB403
238	(EE)	X'F9'	0	TCBDSSID	"249" - ID FOR DYNAMIC SUPPORT SYSTEM (DSS) TASK ICB403
238	(EE)	X'F8'	0	TCBLOGID	"248" - ID FOR SYSTEM LOG TASK
239	(EF)	BITSTRING	1	TCBFLGS8	- GUPI FLAG BYTE FIELD SERIALIZATION - TCBACTIV (Must be running under this TCB when updating this field.)
		1...		TCBDYING	"X'80'" - IF ON, INDICATES THAT THE SYSTEM HAS DETERMINED THAT THIS TASK WILL BE TERMINATING (NORMALLY OR ABNORMALLY) AND ITS MAINLINE PROCESSING WILL NOT BE ALLOWED TO RUN AGAIN. OWNERSHIP - RTM.
		.1..		TCBNOIRB	"X'40'" - If on, IRBs will not be queued to this TCB. A program setting this flag MUST save its current value and restore that value either when that program can tolerate IRBs being queued or before the current RB terminates.
		..1.		TCBJTCBA	"X'20'" - If on, this is the attach of the JSTCB by the initiator
240	(F0)	SIGNED	4	TCBXSCT (0)	- DISPATCHER INTERSECT CONTROL WORD
240	(F0)	BITSTRING	1	TCBXSCT1	- FLAG BYTE
		1...		TCBACTIV	"X'80'" - BIT ON MEANS THIS TCB IS CURRENTLY ACTIVE ON A CPU. USED TO SYNCHRONIZE SOME STATUS SAVING AND DISPATCHABILITY INDICATORS WHEN ACTIVE OR NOT UNDER THE LOCAL LOCK.
		.1..		TCBS3A	"X'40'" - STAGE 3 EXIT EFFECTOR/RESUME/TCTL INTERSECT FLAG
		..1.		TCBLLREQ	"X'20'" - TASK REQUESTED LOCAL LOCK
		.... 1...		TCBTDORM	"X'08'" - Turned on to detect dormant Tasks by Parallel Detach processing. Turned off by the Dispatcher during Task dispatch
241	(F1)	BITSTRING	1	TCBXSCT2	- FLAG BYTE
		1...		TCBCMLF	"X'80'" - CML RESOURCE MANAGER PROCESSING COMPLETE FOR THIS CML LOCK HOLDER.
		.1..		TCBLLNEW	"X'40'" - Lock Manager has given this task the local lock, but its status is in the TCB, not the IHSA. SERIALIZATION: TCBACTIV OWNERSHIP: Task Management
242	(F2)	SIGNED	2	TCBCCPVI	- ID OF THE CURRENT CPU RUNNING THIS TASK. USED FOR RECOVERY AND CPU AFFINITY.
244	(F4)	ADDRESS	4	TCBFOE (0)	- ADDRESS OF FIRST FIX OWNERSHIP ELEMENT (FOE) IN LIST FOR THIS TASK ICB339
244	(F4)	BITSTRING	1		- RESERVED.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
245	(F5)	ADDRESS	3	TCBFOEA	- ADDRESS OF FIRST FIX OWNERSHIP ELEMENT (FOE) IN LIST FOR THIS TASK ICB339
248	(F8)	ADDRESS	4	TCBSWA	- ADDRESS OF FIRST SCHEDULER WORK AREA (SWA) SPQE ON SWA SPQE CHAIN
252	(FC)	ADDRESS	4	TCBSTAWA	- ESTAE ROUTINE WORK AREA POINTER
256	(100)	CHARACTER	4	TCBTCBID	- CONTAINS BLOCK ID - 'TCB '
260	(104)	ADDRESS	4	TCBRTM12	- POINTER TO PARAMETER AREAS PASSED FROM RTM1 TO RTM2
264	(108)	BITSTRING	4	TCBESTAE (0)	- AREA TO CONTAIN RECOVERY DATA FOR RTM
264	(108)	CHARACTER	1	TCBSCBKY	- KEY IN WHICH SYNCH IS TO PASS CONTROL TO THE USER EXIT
265	(109)	BITSTRING	1	TCBESTRM	- ESTAE TERM OPTIONS
		1...		TCBETERM	"X'80'" - ESTAE EXIT ENTERED WITH TERM OPTION
		.1..		TCBSTAFX	"X'40'" - SERIALIZED BY TCB ACTIVE
266	(10A)	SIGNED	1	TCBERTYP	- TYPE OF ERROR CAUSING ENTRY TO THE RTM. SET BY RTM1.
267	(10B)	SIGNED	1	TCBMODE	- MASK INDICATING MODE OF SYSTEM AT TIME OF ERROR. SEE IHART1W/MODE FOR INDIVIDUAL BIT DEFINITIONS.
268	(10C)	ADDRESS	4	TCBUKYSP	- ADDRESS OF SPQE'S FOR SUBPOOLS 229 AND 230 (USER KEY STORAGE IN THE PRIVATE AREA)
272	(110)	BITSTRING	2	TCBPROPF (0)	- Flags propagated
272	(110)	BITSTRING	1	TCBPROP0	- Byte 0 of TCBPROPF
		1...		TCBBITCB	"X'80'" - This task is "below" the initiator TCB
273	(111)	BITSTRING	1	TCBPROP1	- Byte 1 of TCBPROPF
274	(112)	BITSTRING	2	TCBAFFN	- CPU AFFINITY INDICATOR
276	(114)	BITSTRING	1	TCBFBYT1	- FLAG BYTE. SERIALIZATION - TCBACTIV OR TASK NONDISPATCHABLE AND LOCAL LOCK
		1...		TCBEOTFM	"X'80'" - END OF TASK FLAG FOR FREEMAIN. SET TO 1 BY TASK TERMINATION AT START OF TERMINATION PROCESSING AND RESET TO 0 AT FINISH. INDICATES THAT A FREEMAIN ON A BLOCK OF LOCAL STORAGE THAT IS STILL FIXED BY RSM SHOULD RESULT IN A RETURN CODE OF 8 RATHER THAN ABNORMAL TERMINATION.
		.1..		TCBRTM1E	"X'40'" - RTM1 IS CURRENTLY PROCESSING EUT FRR'S FOR THIS TASK
		..1.		TCBNDIOS	"X'20'" - TASK HAS BEEN SET NONDISPATCHABLE VIA STATUSND WHILE SVC 16 (PURGE) SCANS THE RB CHAIN PURGING APPENDAGE-SCHEDULED ASYNCHRONOUS EXIT ROUTINES RUNNING UNDER AN IRB/RQE OR NON-RESIDENT ERP'S RUNNING UNDER THE SIRB.
		...1		TCBPGNLY	"X'10'" - SET BY RTM2 TO INDICATE ONLY PURGE PHASE TO BE PERFORMED
		.... 1...		TCBRTM2	"X'08'" - SET BY RTM2 TO INDICATE RTM2 HAS BEEN ENTERED FOR THIS TASK
		.... .1..		TCBEOT	"X'04'" - SET BY RTM2 TO INDICATE TO EXIT THAT END OF TASK PROCESSING IS COMPLETE
		.... ..1.		TCBSATTN	"X'02'" - SYNCHRONIZATION OF ATTENTION INTERRUPT REQUIRED BY EXIT PROLOG
		1		TCBLLH	"X'01'" - Task was interrupted holding the local lock.
277	(115)	BITSTRING	1	TCBFBYT2	- FLAG BYTE. SERIALIZATION - TCBACTIV OR TASK NONDISPATCHABLE AND LOCAL LOCK
		1...		TCBCNCB	"X'80'" - SET BY RTM2 IN THE JOB STEP TCB WHEN IT HAS BEEN ENTERED ON THE TCB FOR AN X22 ABEND
		.1..		TCBFMW	"X'40'" - MOTHER WAITING FLAG. TURNED ON IN A SUBTASK IN RTM2 PROCESSING WHEN AN ANCESTOR TASK IS WAITING TO ABEND IT.
		..1.		TCBFDW	"X'20'" - DAUGHTER WAITING FLAG. TURNED ON IN A MOTHER TASK IN RTM2 PROCESSING WHEN A DAUGHTER IS WAITING TO ABEND IT.
		...1		TCBFPRAP	"X'10'" - SET BY RTM2 TO PREVENT PERCOLATION TO THE TASK OF AN ASYNCHRONOUS ABEND

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... 1...		TCBRT1NR	"X'08'" - IF 1, ERROR PROPAGATED FROM RTM1 IS NON-RETRYABLE
		.... .1..		TCBECBNV	"X'04'" - IF 1, ECB POINTED TO BY TCBECB IS NOT TO BE VALIDITY CHECKED. IF 0, ECB POINTED TO BY TCBECB IS TO BE VALIDITY CHECKED.
		.... ..1.		TCBSSPC	"X'02'" - STATUS STOP PENDING,TASK HOLDS A CML LOCK OR IS IN FUNCTION MUST COMPLETE MODE.
		1		TCBRTM1C	"X'01'" - A TASK WITH EUT FRRS HAS BEEN CANCELLED. THIS FLAG PASSES THE CANCEL REQUEST FROM RTM1 TO RTM2.
278	(116)	BITSTRING	1	TCBFBYT3	- FLAG BYTE
		1...		TCBEXP	"X'80'" - EXPANDED VERSION OF THE TCB
		.1..		TCBNCTL	"X'40'" - IF 1, INDICATES USER PROGRAM IS LOADED UNDER THIS TASK OR A LOWER TASK. OWNERSHIP: RACF
		..1.		TCBRTMDE	"X'20'" - DETACH HAS BEEN CALLED BY RTM
279	(117)	BITSTRING	1	TCBFBYT4	- FLAG BYTE. SERIALIZATION: TCBACTIV.
		1...		TCBPMC	"X'80'" - IF 1, INDICATES TASK IS IN PROCESS MUST COMPLETE MODE.
		.1..		TCBNOJLB	"X'40'" - If 1, indicates that TCBJLB is not to be used
280	(118)	ADDRESS	4	TCBRPT	- ADDRESS OF RADIX PARTITION TREE FOR LOCAL STORAGE MANAGEMENT
284	(11C)	ADDRESS	4	TCBVAT	- ADDRESS OF THE VAT (VSAM). THERE IS ONE VAT PER JOB STEP TCB.
288	(120)	ADDRESS	4	TCBSWASA	- ADDRESS OF SAVE AREA USED BY SWA MANAGER
292	(124)	ADDRESS	4	TCBSVCA2	- ADDRESS OF SVC SCREENING TABLE
296	(128)	ADDRESS	4	TCBERD	EXTENDED REGION DESCRIPTOR. SERIALIZATION - THE LOCAL LOCK. OWNERSHIP - VSM.
300	(12C)	ADDRESS	4	TCBEAE	EXTENDED ALLOCATED ELEMENT QUEUE ANCHOR. SERIALIZATION - THE LOCAL LOCK. OWNERSHIP - VSM.
304	(130)	ADDRESS	4	TCBARC	REASON CODE FOR ABEND OWNERSHIP - RTM
308	(134)	SIGNED	4	TCBGRES	- TASK GLOBAL RESOURCE COUNT - NUMBER OF GLOBAL RESOURCES OWNED BY THIS TASK
312	(138)	ADDRESS	4	TCBSTCB	ADDRESS OF STCB
316	(13C)	CHARACTER	8	TCBTTIME	- TCB'S ACCUMULATED CPU TIME
324	(144)	ADDRESS	4	TCBCELAP	- COMMON EXECUTION LIBRARY ANCHOR POINTER
328	(148)	BITSTRING	2	TCBR148	- RESERVED
330	(14A)	BITSTRING	1	TCBRBYT1	- RTM Flag byte Ownership: RTM Serialization: Local lock.
		1...		TCBPVICT	"X'80'" - If 1, indicates that the associated task has received an ABEND13E as a result of Parallel Detach processing. Used by both RTM1 and RTM2.
		.1..		TCBPKING	"X'40'" - If 1, indicates that the associated Task has been marked as responsible for the removal of its subtasks (in RTM processing)
		..1.		TCBPCAND	"X'20'" - If 1, indicates that this Task has requested Parallel Detach protection and should be on the queue pointed to by ASSBPTAR
		...1		TCBPTOP	"X'10'" - If 1, indicates that this Task is at the top of a Task structure that was Parallel Detached
331	(14B)	BITSTRING	1	TCBLEVEL	- LEVEL NUMBER OF TCB
		.... ..1.		TCBVS02A	"X'02'" - JBB2110 (NOT IN BASE)
		.... ..1.		TCBVS02B	"X'02'" - JBB2125
		11		TCBVS03	"X'03'" - JBB2133
		11		TCBVERS	"X'03'" - LEVEL OF THIS MAPPING
332	(14C)	ADDRESS	4	TCBBDT	- ADDRESS OF BDT'S GSD LINKAGE CONTROL BLOCK
336	(150)	SIGNED	4	TCBNDAXP	- COUNT OF NUMBER OF CONSECUTIVE DISPATCHES REQUIRED ON A CP BEFORE THE TASK SHOULD BE REDISPATCHED ON AN AXP. OWNER: SUPERVISOR CONTROL SERIALIZATION: TCBACTIV BIT OF FIELD TCBXSCT1
340	(154)	ADDRESS	4	TCBSENV	- ADDRESS OF ACEE FOR THE TASK. THE ACEE DESCRIBES THE RACF AUTHORIZATION FOR THE TASK. OWNER: RACF SERIALIZATION: NONE, ONLY UPDATED BY TASK ITSELF

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
344	(158)	DBL WORD	8	(0)	
344	(158)	X'158'	0	TCBMNLEN	"*-TCB" - LENGTH OF MAIN SECTION OF TCB

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TCBXTNT2	, - START OF EXTENSION
0	(0)	ADDRESS	4	TCBGTF (0)	- ADDRESS OF GENERALIZED TRACE FACILITY (GTF) TEMPORARY TRACE BUFFER ICB312
0	(0)	BITSTRING	1	TCBTFLG	- GTF FLAG BYTE ICB312
		1...		TCBASYNC	"X'80'" - GTF ASYNCHRONOUS GATHER ROUTINE IS IN CONTROL ICB312
		.1..		TCBERRTN	"X'40'" - GTF ASYNCHRONOUS GATHER ERROR ROUTINE IS IN CONTROL ICB312
		..1.		TCBDSPIT	"X'20'" - MACHINE CHECK INTERRUPTION HANDLER SHOULD UNCONDITIONALLY BRANCH TO THE DISPATCHER ICB312
1	(1)	ADDRESS	3	TCBGTFA	- ADDRESS OF GTF TEMPORARY TRACE BUFFER ICB312
4	(4)	BITSTRING	1		- RESERVED.
5	(5)	BITSTRING	3	TCBRCMP	- MOST RECENT ABEND COMPLETION CODE (INCLUDING VALID RECURSIONS IN STAE) ICB411
8	(8)	ADDRESS	4	TCBEVENT	- ADDRESS OF EVENT TABLES QUEUE
12	(C)	SIGNED	4	TCBRTMCT	- COUNT OF TOKENS USED FOR ESTAE. SERIALIZATION - CS. OWNERSHIP - RTM.
16	(10)	ADDRESS	4	TCBTQE	- ADDRESS OF A REUSABLE TASK-RELATED TQE
20	(14)	ADDRESS	4	TCBCAUF	- ADDRESS OF SUBSYSTEM FACILITY CONTROL BLOCK
24	(18)	ADDRESS	4	TCBPERCP	- POINTER TO A QUEUE OF SPIS. AN SPI REPRESENTS THE PERCOLATION OF AN SRB'S FRR TO THE RELATED TASK. SERIALIZATION - TCBACTIV OR TASK NONDISPATCHABLE AND LOCAL LOCK. OWNERSHIP - RTM.
		1...		TCBRCVRY	"X'80'" - TASK IS IN RECOVERY. SERIALIZATION - TCBACTIV. OWNERSHIP - RTM.
28	(1C)	SIGNED	4	TCBPERCT	- COUNT OF SRB MODE FRRS WAITING TO PERCOLATE TO THIS TASK, BUT NOT REPRESENTED IN SPI QUEUE (TCBPERCP). SERIALIZATION - TCBACTIV OR TASK NONDISPATCHABLE AND LOCAL LOCK. OWNERSHIP - RTM.
32	(20)	DBL WORD	8	(0)	- FORCE LENGTH EQUATE TO DOUBLE WORD ICB362
32	(20)	X'20'	0	TCBX2LEN	"*-TCBXTNT2" LENGTH OF COMMON EXTENSION
32	(20)	X'198'	0	TCBLEN	"TCBPXLEN+TCBMNLEN+TCBX2LEN" - TCB LENGTH INCLUDING PREFIX END OF TCB

TCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
PNONDISP	AD	40	TCBAPG	CA	2
TCB	0	20	TCBAQE	9C	BC
TCBABCUR	EC		TCBARC	130	
TCBABD	AE	80	TCBAREQ	AF	4
TCBABE	AE	1	TCBASYNC	0	80
TCBABF	14		TCBATT	94	20
TCBABTIN	AD	1	TCBBACK	DC	
TCBABTRM	1F	20	TCBBDT	14C	
TCBABWF	21	40	TCBBITCB	110	80
TCBACTIV	F0	80	TCBBITS	C8	
TCBADMP	CB	2	TCBCASID	10	8
TCBADUMP	B4	7	TCBCAUF	14	
TCBAE	9C		TCBCCPVI	F2	
TCBAECB	D4		TCBCDBL	10	8
TCBAFFN	112		TCBCELAP	144	
TCBANDSP	21	10	TCBCIND	10	2

Name	Hex Offset	Hex Value
TCBCLOSD	B4	2
TCBCLOSE	B4	3
TCBCLOSF	B4	4
TCBCMLF	F1	80
TCBCMP	10	
TCBCMPC	11	
TCBCMPF	10	
TCBCMSG	10	1
TCBCNCB	115	80
TCBCOMM	EE	FD
TCBCONVR	B4	32
TCBCPP	10	20
TCBCPU	CA	20
TCBCPUBN	94	1
TCBCREQ	10	80
TCBCSTEP	10	40
TCBCWTO	10	4
TCBDAMSG	B4	B
TCBDAR	CC	
TCBDARC	CC	10
TCBDARD	CC	20
TCBDARET	B4	33
TCBDARMC	CC	10
TCBDARMS	CC	2
TCBDARO	CC	8
TCBDARP	CC	80
TCBDARPN	AD	40
TCBDARS	CC	40
TCBDARTN	AD	80
TCBDARWT	CC	4
TCBDDRND	AD	8
TCBDEB	8	
TCBDMPO	10	20
TCBDSP	23	
TCBDSPIT	0	20
TCBDSS	AE	2
TCBDSSID	EE	F9
TCBDWSTA	1F	1
TCBDYDSP	94	2
TCBDYING	EF	80
TCBDYNAM	B4	A
TCBEAE	12C	
TCBECB	90	
TCBECBNV	115	4
TCBENQRM	1F	2
TCBEOT	114	4
TCBEOTFM	114	80
TCBERD	128	
TCBERRTN	0	40
TCBERTYP	10A	
TCBESTAE	108	
TCBESTRM	109	
TCBETERM	109	80
TCBEVENT	8	
TCBEXCPD	C0	
TCBEXP	116	80
TCBEXSVC	CC	1
TCBEXT1	C4	
TCBEXT1A	C5	
TCBEXT2	D0	
TCBEXT2A	D1	
TCBFA	1D	80
TCBFABOP	1E	20
TCBFBYT1	114	
TCBFBYT2	115	
TCBFBYT3	116	
TCBFBYT4	117	
TCBFC	21	80
TCBFCD1	21	2
TCBFDSOP	1E	4
TCBFDW	115	20
TCBFE	1D	40
TCBFERA	1D	20
TCBFETXR	1E	2
TCBFIX	-20	
TCBFJMC	1E	8
TCBFJMCT	ED	
TCBFLAG	1C	F0
TCBFLGS	1D	
TCBFLGS1	1D	
TCBFLGS2	1E	
TCBFLGS3	1F	
TCBFLGS4	20	
TCBFLGS5	21	
TCBFLGS6	CA	
TCBFLGS7	CB	
TCBFLGS8	EF	
TCBFMW	115	40
TCBFOE	F4	
TCBFOEA	F5	
TCBFOINP	1E	80
TCBFPRAP	115	10
TCBFRS	-20	
TCBFRS0	-20	
TCBFRS2	-18	
TCBFRS4	-10	
TCBFRS6	-8	
TCBFS	1D	2
TCBFSA	70	
TCBFSAB	71	
TCBFSM	1F	80
TCBFSMC	1E	10
TCBFSTI	1E	40
TCBFT	1D	4
TCBFTS	1E	1
TCBFX	1D	1
TCBFXSET	1F	10
TCBGPECB	CB	80
TCBGREC	B4	5
TCBGRES	134	
TCBGRPH	14	20
TCBGRS	30	
TCBGRS0	30	
TCBGRS1	34	
TCBGRS10	58	
TCBGRS11	5C	
TCBGRS12	60	
TCBGRS13	64	
TCBGRS14	68	
TCBGRS15	6C	
TCBGRS2	38	
TCBGRS3	3C	
TCBGRS4	40	
TCBGRS5	44	
TCBGRS6	48	
TCBGRS7	4C	
TCBGRS8	50	
TCBGRS9	54	
TCBGTF	0	
TCBGTFA	1	

Name	Hex Offset	Hex Value
TCBGTOFM	CB	1
TCBHALT	A0	8
TCBHNDSP	20	10
TCBINDRC	B4	E
TCBIOBRC	BC	
TCBIORMS	EE	FC
TCBIQE	8C	
TCBIWAIT	AE	8
TCBJES	EE	FA
TCBJLB	28	
TCBJPQ	2C	
TCBJPQB	2D	
TCBJPQF	2C	80
TCBJSCB	B4	
TCBJSCBB	B5	
TCBJSTCA	7D	
TCBJSTCB	7C	
TCBJTCBA	EF	20
TCBKEY9	1F	4
TCBLEN	20	198
TCBLEVEL	14B	
TCBLJSND	AF	80
TCBLLH	114	1
TCBLLNEW	F1	40
TCBLLREQ	F0	20
TCBLLS	24	
TCBLMP	22	
TCBLOGID	EE	F8
TCBLTC	88	
TCBMASTR	EE	FB
TCBMCCNS	B4	40
TCBMDIDS	B0	
TCBMESG	B4	9
TCBMIGR	CA	4
TCBMNLEN	158	158
TCBMODE	10B	
TCBMOD91	14	80
TCBMSS	18	
TCBMSSB	19	
TCBNCTL	116	40
TCBNDAXP	150	
TCBNDINT	AF	1
TCBNDIOS	114	20
TCBNDNYI	AF	40
TCBNDSMF	AF	2
TCBNDSP	AC	
TCBNDSP0	AC	
TCBNDSP1	AD	
TCBNDSP2	AE	
TCBNDSP3	AF	
TCBNDSP4	C8	
TCBNDSP5	C9	
TCBNDSVC	AE	20
TCBNDTS	AE	10
TCBNDUMP	20	80
TCBNEWRB	B4	35
TCBNOCC	10	10
TCBNOCHK	14	40
TCBNOIRB	EF	40
TCBNOJLB	117	40
TCBNONPR	1D	10
TCBNOSTA	B4	30
TCBNSSP	E4	
TCBNSSQA	E4	80
TCBNSTAE	A0	

Name	Hex Offset	Hex Value
TCBNTC	80	
TCBNTJS	CA	1
TCBOLTEP	14	2
TCBONDSP	20	1
TCBOPEN	B4	1
TCBOTC	84	
TCBOWAIT	AE	4
TCBPAGE	21	20
TCBPAGID	EE	FF
TCBPCAND	14A	20
TCBPDUMP	1D	8
TCBPERCP	18	
TCBPERCT	1C	
TCBPGNLY	114	10
TCBPIE	4	
TCBPIEND	AD	2
TCBPIE17	CA	40
TCBPKF	1C	
TCBPKING	14A	40
TCBPMC	117	80
TCBPNDSP	21	1
TCBPPSUP	A0	10
TCBPQE	98	B8
TCBPROPF	110	
TCBPROP0	110	
TCBPROP1	111	
TCBPTAXE	B4	8
TCBPTOP	14A	10
TCBPURGE	2C	
TCBPVICT	14A	80
TCBPXLEN	-8	20
TCBQTIP	B4	C
TCBQUIES	A0	40
TCBRBP	0	
TCBRBWF	20	4
TCBRBYT1	14A	
TCBRCMP	5	
TCBRCVRY	18	80
TCBRD	98	
TCBREC	B4	80
TCBRECDE	B4	
TCBRPT	118	
TCBRQENA	20	20
TCBRSPND	AD	10
TCBRSTND	AD	20
TCBRSTSK	CB	4
TCBRSV37	CD	
TCBRTMCT	C	
TCBRTMDE	116	20
TCBRTM1C	115	1
TCBRTM1E	114	40
TCBRTM12	104	
TCBRTM2	114	8
TCBRTWA	E0	
TCBRT1NR	115	8
TCBRT1S	1F	40
TCBRV	CA	80
TCBRV316	10	4
TCBR148	148	
TCBSATTN	114	2
TCBSAVCD	B4	F
TCBSCBKY	108	
TCBSCNDY	AC	
TCBSENV	154	
TCBSER	20	40

Name	Hex Offset	Hex Value
TCBSLPER	AF	10
TCBSMCP	94	8
TCBSMFGF	A4	80
TCBSPVLK	CA	10
TCBSRBND	AF	20
TCBSSAT	B8	
TCBSSPC	115	2
TCBSTAB	A0	
TCBSTABB	A1	
TCBSTABE	A0	80
TCBSTACK	CB	10
TCBSTAFX	109	40
TCBSTAWA	FC	
TCBSTCB	138	
TCBSTCC	10	10
TCBSTCUR	A0	1
TCBSTMCT	CF	
TCBSTP	21	4
TCBSTPCT	95	
TCBSTPP	AE	40
TCBSTPPR	94	40
TCBSTRET	B4	31
TCBSVCA2	124	
TCBSVCS	CB	8
TCBSVCSP	CB	20
TCBSWA	F8	
TCBSWASA	120	
TCBSYERR	EE	FE
TCBSYNCH	A0	4
TCBSYS	21	8
TCBSYSCT	CE	
TCBS3A	F0	40
TCBS3MR	AF	8
TCBTCAMP	B4	D
TCBTCB	74	
TCBTCBID	100	
TCBTCP	14	4
TCBTCPP	14	8
TCBTCT	A4	
TCBTCTB	A5	
TCBTCTGF	A4	
TCBTDORM	F0	8
TCBTFLG	0	
TCBTID	EE	
TCBTIO	C	
TCBTIOTG	94	10
TCBTME	78	
TCBTPSP	AD	4
TCBTQE	10	
TCBTQET	78	80
TCBTRN	14	
TCBTRNB	15	
TCBTSDP	97	
TCBTSFLG	94	
TCBTSLP	96	
TCBTSTSK	94	80
TCBTTIME	13C	
TCBTYP1R	B4	34
TCBTYP1W	B4	10
TCBUKYSP	10C	
TCBUSER	A8	
TCBUXNDF	21	40
TCBUXNDV	20	8
TCBVAT	11C	
TCBVERS	14B	3
TCBVS02A	14B	2
TCBVS02B	14B	2
TCBVS03	14B	3
TCBVTAM1	B4	21
TCBVTAM2	B4	22
TCBVTAM3	B4	23
TCBVTAM4	B4	24
TCBWTPSE	B4	20
TCBXLAS	E8	
TCBXSB	D8	
TCBXSCT	F0	
TCBXSCT1	F0	
TCBXSCT2	F1	
TCBXTNT2	0	
TCBX2LEN	20	20
TCBZERO	1C	F
TCB33E	A0	20
TNONDISP	AD	80

TCCW Heading Information

Common Name: Translation Control Block
Macro ID: IECDTCCW
DSECT Name: TCCW
Owning Component: Execute Channel Program Processor (SC1C6)
Eye-Catcher ID: None
Storage Attributes: Subpool: 226
Key: 0
Residency: Below 16Mb
Size: 160 or 248 bytes (if bit TCCWLBLK is on, then the block is 248 bytes)
Created by: Callers of the CCW translation module (IECVTCCW)
Pointed to by: RQETCCW field of the RQE data area
Serialization: LOCAL lock
Function: The TCCW block is the translation control block which contains all the information required to translate virtual CCWS to real CCWS, re-translate addresses or unfix data areas. This block is provided by the caller of the CCW translator. The caller can provide either an 160 byte or 248 byte block (248 byte block preferred).

TCCW Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	TCCW	
0	(0)	ADDRESS	4	TCCWTCB	TCB address associated with request
4	(4)	BITSTRING	1	TCCWOPTN	CCW Translation option byte and TCCW error return codes.....

Comment

TCCW translation options----------

End of Comment

....	TCCWXLAT	"X'00'" .Translate CCWs
.... .1..	TCCWCSWX	"X'04'" .Translate CSW or passes address
.... 1...	TCCWUNFX	"X'08'" .Unfix data area - Set up free list
.... 11..	TCCWGTMN	"X'0C'" .TCCW block request to caller and return to continue
...1	TCCWSATR	"X'10'" .Single address translation

Comment

TCCW error return codes----------

End of Comment

1...	TCCWPGER	"X'80'" .Page fix error
1..1	TCCWTRER	"X'90'" .translation error
1.1.	TCCWIDAE	"X'A0'" .IDA bit error in virtual Chan Pgm
1.11	TCCWPRIV	"X'B0'" .Privileged CCW
11..	TCCWERRC	"X'C0'" .Reserved
11.1	TCCWVMER	"X'D0'" .Valmap error
111.	TCCWVLER	"X'E0'" .Val ck error in virtual chan pgm
1111	TCCWERRF	"X'F0'" .Reserved

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TCCW Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
5	(5)	ADDRESS	3	TCCWUCB	Associated UCB address
8	(8)	ADDRESS	4	TCCWBEB	1st BEB block address
12	(C)	ADDRESS	4	TCCWFIX	1st Fix list block address
16	(10)	ADDRESS	4	TCCWFVC	1st virtual CCW address
20	(14)	ADDRESS	4	TCCWFRC	1st real CCW address
24	(18)	ADDRESS	4	TCCWPLKR	Next avaialble Fix entry address
28	(1C)	ADDRESS	4	TCCWINDA	1st IDAL block address
32	(20)	ADDRESS	4	TCCWTICL	Unresolved TIC list address
36	(24)	ADDRESS	4	TCCWINDR	Next available IDAW entry address
40	(28)	ADDRESS	4	TCCWCCWR	Next available real CCW address
44	(2C)	BITSTRING	1	TCCWMODB	Translator flag byte----------
		1...		TCCWFCHN	"X'80'" - Free block chain constructed
		.1..		TCCWVLCK	"X'40'" - Virtual CP validity check
		..1.		TCCWLBLK	"X'20'" - 248 byte large block provided
		...1		TCCWNVAL	"X'10'" - Skip privileged operation checking
		.... 1...		TCCWIDAX	"X'08'" - 4K 8-byte IDAWs
		.... .1..		TCCWPC10	"X'04'" - An invalid IDAL entry required
		.... ..1.		TCCWPGCK	"X'02'" - Page fix/unfixing active
		1		TCCWVIDA	"X'01'" - Virtual IDAW with bit 0 on
45	(2D)	BITSTRING	1	TCCWCCWL	Number of CCW entries left in BEB
46	(2E)	BITSTRING	1	TCCWINDL	Number of IDAW entries left in IDAL
47	(2F)	BITSTRING	1	TCCWEFOP	Numeric portion of current command
48	(30)	ADDRESS	4	TCCWCCWA	Next virtual CCW address
52	(34)	ADDRESS	4	TCCWTICA	TIC-ed to address
56	(38)	ADDRESS	4	TCCWLOCA	Low compare address
60	(3C)	ADDRESS	4	TCCWHICA	High compare address
64	(40)	ADDRESS	4	TCCWCBEB	Current BEB pointer
68	(44)	ADDRESS	4	TCCWOPTR (0)	Previous CCW address and cmd code
68	(44)	BITSTRING	1	TCCWOPBT	Previous CCW operation command code
69	(45)	ADDRESS	3	TCCWPCCW	Previous CCW address
72	(48)	BITSTRING	32	TCCWSAVE (0)	Additional block request save area
72	(48)	ADDRESS	4	TCCWSAVD	- Save area for register 13
76	(4C)	ADDRESS	4	TCCWSAV4	- Save area for register 4
80	(50)	ADDRESS	4	TCCWSAV5	- Save area for register 5
84	(54)	ADDRESS	4	TCCWSAV6	- Save area for register 6
88	(58)	ADDRESS	4	TCCWSAV7	- Save area for register 7
92	(5C)	ADDRESS	4	TCCWSAV8	- Save area for register 8
96	(60)	ADDRESS	4	TCCWSAV9	- Save area for register 9
100	(64)	ADDRESS	4	TCCWSAVA	- Save area for register 10
104	(68)	BITSTRING	56	TCCWRGSV (0)	Translator register save area
104	(68)	ADDRESS	4	TCCWREG1	- Save area for register 1
108	(6C)	ADDRESS	4	TCCWREG2	- Save area for register 2
112	(70)	ADDRESS	4	TCCWREG3	- Save area for register 3
116	(74)	ADDRESS	4	TCCWREG4	- Save area for register 4
120	(78)	ADDRESS	4	TCCWREG5	- Save area for register 5
124	(7C)	ADDRESS	4	TCCWREG6	- Save area for register 6
128	(80)	ADDRESS	4	TCCWREG7	- Save area for register 7
132	(84)	ADDRESS	4	TCCWREG8	- Save area for register 8
136	(88)	ADDRESS	4	TCCWREG9	- Save area for register 9
140	(8C)	ADDRESS	4	TCCWREGA	- Save area for register 10
144	(90)	ADDRESS	4	TCCWREGB	- Save area for register 11
148	(94)	ADDRESS	4	TCCWREGC	- Save area for register 12
152	(98)	ADDRESS	4	TCCWREGD	- Save area for register 13
156	(9C)	ADDRESS	4	TCCWREGE	- Save area for register 14
156	(9C)	X'A0'	0	TCCWBL	"*-TCCW" TCCW block length
160	(A0)	ADDRESS	4	TCCWREGX (4)	- Remaining save area (used by IECVPBLK
176	(B0)	ADDRESS	4	TCCWLSTA	- Lowest beginning address
180	(B4)	ADDRESS	4	TCCWHSTA	- Highest ending address

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					The following fields are used to manage the blocks that are obtained from the requestor's private area. These blocks are used as BEBs.
					End of Comment
184	(B8)	ADDRESS	4	TCCWPAGF	- Address of first page
188	(BC)	ADDRESS	4	TCCWPAGL	- Address of last page
192	(C0)	BITSTRING	1	TCCWBLKN	- Index of next block in last private block
193	(C1)	BITSTRING	1	TCCWRESV	- Reserved
194	(C2)	BITSTRING	2	TCCWLBCT	- Count of IECVEXSM managed large blocks used by this request
					Comment
					The RQEX is placed immediately after the TCCW in a large block. For this reason, the TCCW can never be expanded such that the RQEX and TCCW no longer fit in a single large block.
					End of Comment

TCCW Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TCCW	0		TCCWPGCK	2C	2
TCCWBEB	8		TCCWPGER	4	80
TCCWBL	9C	A0	TCCWPLKR	18	
TCCWBLKN	C0		TCCWPRIV	4	B0
TCCWCBEB	40		TCCWREGA	8C	
TCCWCCWA	30		TCCWREGB	90	
TCCWCCWL	2D		TCCWREGC	94	
TCCWCCWR	28		TCCWREGD	98	
TCCWCSWX	4	4	TCCWREGE	9C	
TCCWEFOP	2F		TCCWREGX	A0	
TCCWERRC	4	C0	TCCWREG1	68	
TCCWERRF	4	F0	TCCWREG2	6C	
TCCWFCHN	2C	80	TCCWREG3	70	
TCCWFIX	C		TCCWREG4	74	
TCCWFRC	14		TCCWREG5	78	
TCCWFVC	10		TCCWREG6	7C	
TCCWGTMN	4	C	TCCWREG7	80	
TCCWHICA	3C		TCCWREG8	84	
TCCWHSTA	B4		TCCWREG9	88	
TCCWIDAE	4	A0	TCCWRESV	C1	
TCCWIDAX	2C	8	TCCWRGSV	68	
TCCWINDA	1C		TCCWSATR	4	10
TCCWINDL	2E		TCCWSAVA	64	
TCCWINDR	24		TCCWSAVD	48	
TCCWLBCT	C2		TCCWSAVE	48	
TCCWLBLK	2C	20	TCCWSAV4	4C	
TCCWLOCA	38		TCCWSAV5	50	
TCCWLSTA	B0		TCCWSAV6	54	
TCCWMODB	2C		TCCWSAV7	58	
TCCWNVAL	2C	10	TCCWSAV8	5C	
TCCWOPBT	44		TCCWSAV9	60	
TCCWOPTN	4		TCCWTCB	0	
TCCWOPTR	44		TCCWTICA	34	
TCCWPAGF	B8		TCCWTICL	20	
TCCWPAGL	BC		TCCWTRER	4	90
TCCWPCCW	45		TCCWUCB	5	
TCCWPC10	2C	4	TCCWUNFX	4	8

TCCW Cross Reference

Name	Hex Offset	Hex Value
TCCWVIDA	2C	1
TCCWVLCK	2C	40
TCCWVLER	4	E0
TCCWVMER	4	D0
TCCWXLAT	4	0

TCT Programming Interface information

Programming Interface information

TCT

ONLY the following field is part of the programming interface information:

- TCTJMR

End of Programming Interface information

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TCT Heading Information

Common Name: SMF TIMING CONTROL TABLE
Macro ID: IEFTCT
DSECT Name: SMFTCT
Owning Component: System Management Facilities (SC100)
Eye-Catcher ID: "TCT "
Offset: 208 ('D0' in hex)
Length: 8 bytes
Storage Attributes: Subpool: 255
Key: 0
Residency: Below
Size: 652 bytes ('284' in hex)
- 600 Common Section
- 52 Storage Table
FREQUENCY = 1 per address space
Created by: IEFSMFIE
Pointed to by: TCBTCT
Serialization: Compare and Swap on some fields.
Function: This mapping macro is composed of three control blocks (TCT, TCT I/O Measurement table, and Extended TCT I/O table). The TCT consists of a common section (SMFTCT), storage table (TCTCORE), OpenMVS Process table (TCTOMVS), and ARM table (TCTARM).
SMFTCT and TCTCORE are one structure and are contiguous in storage. TCTOMVS is not contiguous with SMFTCT or TCTCORE. However, the TCTOMVS and TCTARM are contiguous. The TCT I/O Measurement table (TCTTIOT) and Extended TCT I/O table (ETCTIOT) are seperate structures mapped within the IEFTCT mapping macro and pointed to from fields within the TCT. However, they are NOT contiguous in storage to the TCT or each other.

TCT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SMFTCT	, - START OF TCT
0	(0)	CHARACTER	3	TCTQA	- QUEUE ADDRESS OF TCT
3	(3)	BITSTRING	1	TCTEXP (0)	- JOB/STEP TIME INDICATOR MASK
3	(3)	BITSTRING	1	TCTSW	- TCT SWITCHES
		1...		TCTJSTI	"BIT0" - TQE JOB/STEP TIME INDICATOR. IF 0, TQE CONTAINS STEP TIME. IF 1, TQE CONTAINS JOB TIME.
		.1..		TCTIEX	"BIT1" - ERROR IN TCT I/O TABLE I/O COUNTS (OS/VS2) MDC017
		..1.		TCTISK30	"BIT2,,C'X'" - TYPE 30 INTERVAL RECORD SKIPPED
		...1		TCTISK32	"BIT3,,C'X'" - TYPE 32 INTERVAL RECORD SKIPPED
		.... 1...		TCTIABD	"BIT4,,C'X'" - PREVIOUS INTERVAL ABENDED
		.... .1..		TCTSTPRN	"BIT5,,C'X'" - STEP RAN INDICATOR
		.... ..1.		TCTACTRT	"BIT6,,C'X'" - IEFACTRT IN CONTROL INDICATOR
		1		TCTDCOPN	"BIT7,,C'X'" - DMPCHCK RTN IN CONTROL INDICATOR
4	(4)	ADDRESS	4	TCTTCB	- ADDRESS OF THE INITIATOR TCB
8	(8)	ADDRESS	4	TCTCRTBL	- ADDRESS OF THE TCT STORAGE TABLE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	ADDRESS	4	TCTIOTBL	- ADDRESS OF THE TCT I/O TABLE. TCT I/O TABLE IS NOT NECESSARILY CONTIGUOUS WITH THE TCT.
16	(10)	SIGNED	4	TCTPOOL (0)	- SUBPOOL/LENGTH FOR TCT PROPER
16	(10)	SIGNED	2		- SUBPOOL IN WHICH THE TCT RESIDES
18	(12)	SIGNED	2	TCTSZE	- SIZE IN BYTES OF THE TCT AND THE TCT STORAGE TABLE
20	(14)	ADDRESS	4	TCTUTL	- ADDRESS OF USER TIME LIMIT ROUTINE
24	(18)	ADDRESS	4	TCTUDATA	- ADDRESS OF A ONE-WORD PARAMETER LIST WHICH POINTS TO THE JOB MANAGEMENT RECORD (JMR)
28	(1C)	ADDRESS	4	TCTJMR	- ADDRESS OF THE JOB MANAGEMENT RECORD
32	(20)	SIGNED	4	TCTCPUS (0)	ACCUM SESSION CPU SERVICE(OS/VS2)
32	(20)	BITSTRING	4	TCTRSV08	- *** TCTUSO FIELD RESERVED IN OS/VS ***
36	(24)	SIGNED	4	TCTJSTX (0)	- AMOUNT OF TIME THAT JOB OR STEP HAS BEEN EXTENDED BY USER EXIT IEFUTL (32-BIT UNSIGNED BINARY NUMBER) (OS/VS2) MDC005
36	(24)	SIGNED	4	TCTSTOF	- OVERFLOW FIELD FOR USER-SUPPLIED STEP TIME EXTENSIONS (OS/VS1) MDC001
40	(28)	SIGNED	4	TCTTJLM (0)	- CONTAINS REMAINING JOB TIME (32-BIT UNSIGNED BINARY NUMBER) (OS/VS2) MDC006
40	(28)	SIGNED	4	TCTSACT	- A RUNNING TOTAL OF THE USER-SUPPLIED STEP TIME EXTENSIONS EXPRESSED IN TIMER UNITS (OS/VS1) MDC002
44	(2C)	SIGNED	4	TCTIOCS (0)	ACCUM SESSION I/O SERVICE(OS/VS2)
44	(2C)	SIGNED	4	TCTWLMT	- THE JOB OR STEP MAXIMUM WAIT TIME LIMIT AS SPECIFIED IN SMFDEFLT, EXPRESSED IN TIMER UNITS (OS/VS1) RESERVED - SET TO ZERO (OS/VS2) MDC016
48	(30)	SIGNED	4	TCTLIN	- TSO - COUNT OF LINES OF TERMINAL INPUT
52	(34)	SIGNED	4	TCTLOUT	- TSO - COUNT OF LINES OF TERMINAL OUTPUT
56	(38)	SIGNED	4	TCTAST	- THE TIME OF DAY (TO ONE HUNDREDTH OF A SECOND) THAT DEVICE ALLOCATION STARTED ICB365
60	(3C)	SIGNED	4	TCTPPST	- THE TIME OF DAY (TO ONE HUNDREDTH OF A SECOND THAT THE PROBLEM PROGRAM WAS INITIALLY LOADED INTO MAIN STORAGE ICB365
64	(40)	CHARACTER	20	TCTPGSMF (0)	- SMF REGION-RELATED STATISTICS (OS/VS1) MDC007
64	(40)	SIGNED	4	TCTAJS (0)	- ACCUMULATED SESSION SERVICE TIME (OS/VS2) (MDC019) YM7459
64	(40)	SIGNED	4	TCTPGIN	- TOTAL PAGE-INS FOR THIS REGION (INCLUDING SWAP-INS) (OS/VS1) MDC007
68	(44)	SIGNED	4	TCTACT (0)	- ACCUMULATED ACTIVE TIME (OS/VS2) (MDC020) YM7459
68	(44)	SIGNED	4	TCTPGOUT	- TOTAL PAGE-OUTS FOR THIS REGION (INCLUDING SWAP-OUTS) (OS/VS1) MDC008
72	(48)	SIGNED	4	TCTATR (0)	- ACCUMULATED TRANSACTION RESIDENCY TIME (OS/VS2) (MDC302)
72	(48)	SIGNED	4	TCTRGNS	- TOTAL SWAPS PERFORMED FOR THIS TSO USER (SWAP-INS + SWAP-OUTS) (OS/VS1) MDC009
76	(4C)	SIGNED	4	TCTMSOS (0)	ACCUM SESSION MAIN STORAGE SERVICE (OS/VS2)
76	(4C)	SIGNED	4	TCTSIN	- TOTAL PAGES SWAPPED-IN FOR THIS TSO USER (OS/VS1) MDC010
80	(50)	SIGNED	4	TCTSRBS (0)	ACCUM SESSION SRB SERVICE (OS/VS2)
80	(50)	SIGNED	4	TCTSOUT	- TOTAL PAGES SWAPPED-OUT FOR THIS TSO USER (OS/VS1) MDC011
84	(54)	SIGNED	4	TCTPDASD	- NO OF MOUNTS FOR NONSPECIFIC DASD
88	(58)	SIGNED	4	TCTRDASD	- NO OF MOUNTS FOR SPECIFIC DASD
92	(5C)	SIGNED	4	TCTPTAPE	- NO OF MOUNTS FOR NONSPECIFIC TAPE
96	(60)	SIGNED	4	TCTRTAPE	- NO OF MOUNTS FOR SPECIFIC TAPE
100	(64)	SIGNED	4	TCTPMSS	- NO OF MOUNTS FOR NONSPECIFIC MSS
104	(68)	SIGNED	4	TCTRMSS	- NO OF MOUNTS FOR SPECIFIC MSS
108	(6C)	SIGNED	4	TCTEJST	- LAST VALUE OF ELAPSED TCB TIME
112	(70)	SIGNED	4	TCTSRBT	- LAST VALUE OF ELAPSED SRB TIME
116	(74)	SIGNED	4	TCTSVTEP	- LAST VALUE OF TOTAL BLOCK COUNT
120	(78)	SIGNED	4	TCTLINSV	- LAST VALUE OF TPUT COUNT
124	(7C)	SIGNED	4	TCTLOUTS	- LAST VALUE OF TGET COUNT
128	(80)	SIGNED	4	TCTTRAN	- LAST VALUE OF FOREGROUND TRANS
132	(84)	SIGNED	4	TCTITCB	- INITIATOR TCB TIME

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
136	(88)	SIGNED	4	TCTISRB	- INITIATOR SRB TIME
140	(8C)	SIGNED	4	TCTT30J	- ADDRESS OF JOB TOTAL TYPE 30 RCD
144	(90)	SIGNED	4	TCTT30S	- ADDRESS OF STEP TOTAL TYPE 30 RCD
148	(94)	SIGNED	4	TCTT30H	- ADDRESS OF EXCP HOLD TYPE 30 RCD
152	(98)	SIGNED	4	TCTLCTAD	- ADDRESS OF LCT
156	(9C)	SIGNED	4	TCTT32J	- ADDRESS OF JOB TOTAL TYPE 32 RCD
160	(A0)	SIGNED	4	TCTT32S	- ADDRESS OF STEP TOTAL TYPE 32 RCD
164	(A4)	SIGNED	4	TCT32SP	- SUBPOOL AND SIZE OF TYPE 32 RCDS
168	(A8)	SIGNED	4	TCT32BLK	- ADDRESS OF DETAIL CONTROL BLOCK
172	(AC)	SIGNED	4	TCTLRRCT	- LAST VALUE OF THE ADDRESS SPACE RE-READ COUNT
176	(B0)	SIGNED	4	TCTIOSAV	- ADDRESS OF SAVE AREA FOR IEASMFEX
180	(B4)	SIGNED	4	TCTDCTI	- LAST VALUE OF DEVICE CONNECT TIME
184	(B8)	SIGNED	4	TCTTIMER	- ADDRESS OF SMF TIMER ELEMENT
188	(BC)	SIGNED	4	TCTTMRSP	- SUBPOOL AND SIZE OF TIMER ELT
192	(C0)	SIGNED	4	TCTPARMS	- ADDRESS OF TIMER PARAMETER LIST
196	(C4)	SIGNED	4	TCTPRMSP	- SUBPOOL AND SIZE OF PARM LIST
200	(C8)	CHARACTER	8	TCTSNAME	STEP NAME OF CURRENT STEP
208	(D0)	CHARACTER	8	TCTTCT	TCT IDENTIFIER FIELD
216	(D8)	SIGNED	4	TCTMSCT	- NUMBER OF TIMES I/O MEASUREMENTS HAVE BEEN TURNED OFF AT JOB START
		1...		TCTMSOFF	"X'80'" I/O MEASUREMENTS ARE ON
220	(DC)	SIGNED	4	TCTEIIP	- ELAPSED I/O INTERRUPT TIME
224	(E0)	SIGNED	4	TCTERCT	- ELAPSED RCT CPU TIME
228	(E4)	SIGNED	4	TCTRQSVP	Pointer to sysevent REQSVDAT parameter list
232	(E8)	SIGNED	4	TCTE39PP	Pointer to sysevent REQPGDAT parameter list
236	(EC)	CHARACTER	4	TCTXR0DC	RESERVED
240	(F0)	SIGNED	4	TCTADMFW	Number of pages moved with ADMF WRITE
244	(F4)	SIGNED	4	TCTADMFR	Number of pages moved with ADMF READ
248	(F8)	SIGNED	4	TCTEHPT	- ELAPSED HIPERSPACE PROCESSING TIME
252	(FC)	SIGNED	4	TCTEVFUT	- LAST VALUE ELAPSED VF USAGE TIME
256	(100)	SIGNED	4	TCTEVFAT	- LAST VALUE ELAPSED VF AFFINITY TIME
260	(104)	SIGNED	4	TCTIVFUT	- INITIATOR VF USAGE TIME
264	(108)	SIGNED	4	TCTIVFAT	- INITIATOR VF AFFINITY TIME
268	(10C)	SIGNED	4	TCTINTST	- INTERVAL START TIME
272	(110)	SIGNED	4	TCTINTDT	- INTERVAL START DATE
276	(114)	CHARACTER	32	TCTEINFO (0)	ETCTIOT INFORMATION
276	(114)	SIGNED	4	TCTFETIO	- ADDRESS OF FIRST ETCTIOT BLOCK
280	(118)	SIGNED	4	TCTLETIO	- ADDRESS OF LAST ETCTIOT BLOCK
284	(11C)	SIGNED	2	TCTESUBP	- ETCTIOT SUBPOOL
286	(11E)	SIGNED	2	TCTELEN	- LENGTH OF ONE ETCTIOT BLOCK
288	(120)	SIGNED	4	TCTEBLK	- NUMBER OF ETCTIOT 4K BLOCKS
292	(124)	SIGNED	4	TCTEFAVL	- 1ST AVAILABLE ETCTIOT TOKEN
296	(128)	SIGNED	4	TCTELAVL	- LAST AVAILABLE ETCTIOT TOKEN
300	(12C)	SIGNED	4	TCTENAVL	- NUMBER OF AVAILABLE ETCTIOT ENTRIES
304	(130)	CHARACTER	4	TCTEFLGS	- ETCTIOT FLAGS
		1...		TCTCOMP	"X'80'" - TCTTIOT BEING MOVED INDICATOR
		.1..		TCTDUMMY	"X'40'" - When set by IEFIB660, this flag represents a Dummy TCTIOT. It will be checked by IEFDB4F9.
308	(134)	SIGNED	4	TCTANSC	- INTEGRATED CRYPTO SERVICE COUNT
312	(138)	BITSTRING	1	TCTTMRFL (2)	PREVIOUS INTERVAL TIMER BIT FLAGS
		1...		TCTCTF	"X'80'" SMF30CPT TIMER INVALID
		.1..		TCTCSF	"X'40'" SMF30CPS TIMER INVALID
		..1.		TCTVUF	"X'20'" SMF30JVU TIMER INVALID
		...1		TCTVAF	"X'10'" SMF30JVA TIMER INVALID
		.... 1...		TCTISF	"X'08'" SMF30ISB TIMER INVALID
		.... .1..		TCTICF	"X'04'" SMF30ICU TIMER INVALID
		.... ..1.		TCTIVF	"X'02'" SMF30IVU TIMER INVALID
		1		TCTIAF	"X'01'" SMF30IVA TIMER INVALID
		1...		TCTIIF	"X'80'" SMF30IIP TIMER INVALID
		.1..		TCTHPF	"X'40'" SMF30HPT TIMER INVALID
		..1.		TCTRCF	"X'20'" SMF30RCT TIMER INVALID
		...1		TCTASF	"X'10'" SMF30ASR TIMER INVALID
		.... 1...		TCTENF	"X'08'" SMF30ENC TIMER INVALID
		.... .1..		TCTDEF	"X'04'" SMF30DET TIMER INVALID

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
314	(13A)	BITSTRING	1	TCTFLAGS	TCT Flags
		1...		TCTTCT2	"X'80'" DSABTCT2 should be used to contain the offset to the lookup table entry
315	(13B)	BITSTRING	1	TCTSRMSP	Subpool for TCTRQSVP,TCTE39PP
316	(13C)	SIGNED	4	TCTT33SP	Address of Type 33 TP Work Area
320	(140)	SIGNED	4	TCTT33J	Address of Type 33 TP JOB Record
324	(144)	SIGNED	4	TCTT33S	Address of Type 33 TP STEP Record
328	(148)	SIGNED	4	TCTTPTYP	APPC TP Type (Standard/Multi)
332	(14C)	SIGNED	4	TCTTPTCB	Last Value of TCB Time for TP
336	(150)	SIGNED	4	TCTTPSRB	Last Value of SRB Time for TP
340	(154)	SIGNED	4	TCTTPEXP	Last Value of EXCP Count for TP
344	(158)	SIGNED	4	TCTTPDCT	Last Value of Dev Conn Time for TP
348	(15C)	SIGNED	4	TCTTPNUM	Number of Transactions Processed
352	(160)	SIGNED	4	TCTTPCON	Number of Conversations
356	(164)	SIGNED	4	TCTTPTAC	Number of Active Cons
360	(168)	SIGNED	4	TCTTPCNA	Number of Cons Allocated
364	(16C)	SIGNED	4	TCTTPSEN	Number of Sends for TP
368	(170)	CHARACTER	8	TCTTPDAT	Amount of Data Sent
376	(178)	SIGNED	4	TCTTPREC	Number of Recvs for TP
380	(17C)	CHARACTER	8	TCTTPDAR	Amount of Data Received
388	(184)	CHARACTER	4	TCTSUBNM	Scheduler of Job
392	(188)	ADDRESS	4	TCTOMVSP	Address of TCTOMVS Table
396	(18C)	ADDRESS	4	TCTT30PH	Address of T30AREA for Process Data
400	(190)	ADDRESS	4	TCTT30SE	Address of T30AREA for Step EXCP Data
404	(194)	ADDRESS	4	TCTT30SP	Address of T30AREA for Step Process Data
408	(198)	ADDRESS	4	TCTT30JE	Address of T30AREA for Job EXCP Data
412	(19C)	ADDRESS	4	TCTT30JP	Address of T30AREA for Job Process Data
416	(1A0)	CHARACTER	8	TCTISS	SMF Interval Start Time (STCK Format)
424	(1A8)	SIGNED	4	TCT30CN	Last Number of Conversations
428	(1AC)	SIGNED	4	TCT30CNA	Last Number of Cons Allocated
432	(1B0)	SIGNED	4	TCT30SEN	Last Number of Sends for TP
436	(1B4)	CHARACTER	8	TCT30DAT	Last Amount of Data Sent
444	(1BC)	SIGNED	4	TCT30REC	Last Number of Recvs for TP
448	(1C0)	CHARACTER	8	TCT30DAR	Last Amount of Data Received
456	(1C8)	SIGNED	4	TCT30ATR	Last Number of Transactions Processed
460	(1CC)	SIGNED	4	TCTUACL	Usage ACA Lockword
464	(1D0)	ADDRESS	4	TCTUACA	Address of First ACA for job
468	(1D4)	ADDRESS	4	TCTUTCAC	Addr of 1st TCA on consolidated chain
472	(1D8)	ADDRESS	4	TCTUTCA	Address of First TCA on chain
476	(1DC)	ADDRESS	4	TCTUFCAC	Addr of 1st FCA on consolidated chain
480	(1E0)	ADDRESS	4	TCTUFCA	Address of First FCA on chain
484	(1E4)	SIGNED	4	TCTRSMGT	Usage RESMGR Token
488	(1E8)	ADDRESS	4	TCTUTIMR	Usage Timer Element
492	(1EC)	ADDRESS	4	TCTUTPRM	Usage Timer ParmArea
496	(1F0)	ADDRESS	4	TCTT30UH	Address of T30AREA Hold area for Usage Entries
500	(1F4)	ADDRESS	4	TCTT30US	Address of T30AREA Step Hold Area for Usage Entries
504	(1F8)	ADDRESS	4	TCTT30UJ	Address of T30AREA Job Hold Area for Usage Entries
508	(1FC)	ADDRESS	4	TCTARMP	Address of TCTARM table
512	(200)	ADDRESS	4	TCTT30AH	Address of T30AREA for ARM Data
516	(204)	ADDRESS	4	TCTT30SA	Address of T30AREA for Step ARM Data
520	(208)	ADDRESS	4	TCTT30JA	Address of T30AREA for Job ARM Data
524	(20C)	SIGNED	4	TCTASST	Additional SRB Service Time
528	(210)	SIGNED	4	TCTECPT	Enclave CPU Time
532	(214)	SIGNED	4	TCTETIM	Enclave Transaction Active Time
536	(218)	SIGNED	4	TCTECPU	Enclave CPU Service Units
540	(21C)	SIGNED	4	TCTETC	Enclave Transaction Count
544	(220)	SIGNED	4	TCTASSTC	Additional SRB Service Time (Cumulative)
548	(224)	SIGNED	4	TCTECPTC	Enclave CPU Time (Cumulative) including dependent enclave time
552	(228)	SIGNED	4	TCTDET	Dependent enclave CPU time
556	(22C)	SIGNED	4	TCT30AIC	Saved copy of RQSVAIC
560	(230)	SIGNED	4	TCT30AID	Saved copy of RQSVAID
564	(234)	SIGNED	4	TCT30AIW	Saved copy of RQSVAIW
568	(238)	SIGNED	4	TCT30AIS	Saved copy of RQSVAIS

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
572	(23C)	SIGNED	4	TCT30EIC	Saved copy of RQSVEIC
576	(240)	SIGNED	4	TCT30EID	Saved copy of RQSVEID
580	(244)	SIGNED	4	TCT30EIW	Saved copy of RQSVEIW
584	(248)	SIGNED	4	TCT30EIS	Saved copy of RQSVEIS
588	(24C)	SIGNED	4	TCTT30SR	Address of STEP area for Remote System Data entries.
592	(250)	SIGNED	4	TCTT30JR	Address of JOB area for Remote System Data entries.
596	(254)	SIGNED	4		pad to doubleword boundary
596	(254)	X'258'	0	TCTEND	"*" END OF TCT MAPPING
596	(254)	X'258'	0	TCTCOMZ	"*-SMFTCT" - LENGTH OF TCT COMMON SECTION

Comment

TCT STORAGE TABLE
A SEPARATE TABLE IS USED TO DESCRIBE THE STORAGE OBTAINED
FOR A TASK. THE STORAGE TABLE IS CONTIGUOUS TO THE TCT.
IT IS POINTED TO BY THE TCTCRTBL FIELD IN THE TCT COMMON
SECTION.

End of Comment

600	(258)	DBL WORD	8	TCTCORE (0)	- START OF TCT STORAGE TABLE POINTED TO BY TCTCRTBL
600	(258)	SIGNED	4	TCTLWM	- MAX VIRTUAL STORAGE IN USER SUBPOOLS BELOW 16M
604	(25C)	SIGNED	4	TCTHWM	- MAX VIRTUAL STORAGE IN SWA AND LSQA BELOW 16M
608	(260)	SIGNED	2	TCTMINC	- THE MINIMUM DIFFERENCE (IN 2K BLOCKS) BETWEEN TCTLWM AND TCTHWM. THIS FIGURE REPRESENTS THE UNUSED PORTION OF THE USER'S REGION.
610	(262)	SIGNED	2	TCTRSV00	- RESERVED. REGION FIELD INCREASED TO FULLWORD AND MOVED TO THE END OF THE TCT STORAGE TABLE
612	(264)	ADDRESS	4	TCTRBA	- FOR A V=V PROBLEM PROGRAM, LOWEST ADDRESS IN PRIVATE AREA. FOR A V=R PROBLEM PROGRAM, LOWEST ADDRESS IN REGION. (OS/VS2) MDC012
616	(268)	SIGNED	4	TCTEHWM	- MAX VIRTUAL STORAGE IN SWA AND LSQA ABOVE 16M
620	(26C)	SIGNED	4	TCTELWM	- MAX VIRTUAL STORAGE IN USER SUBPOOLS ABOVE 16M
624	(270)	SIGNED	4	TCTRGNB	PRIVATE AREA BELOW 16M IN BYTES
628	(274)	SIGNED	4	TCTERGNB	PRIVATE AREA ABOVE 16M IN BYTES
632	(278)	SIGNED	4	TCTRSZ	ORIGINAL REGION REQUEST IN 2K BLOCKS
636	(27C)	SIGNED	4	TCTRSV01	- RESERVED
640	(280)	DBL WORD	8	TCTMEM	- MEMLIMIT IN MB
648	(288)	CHARACTER	1	TCTMEMS	- SOURCE OF MEMLIMIT
649	(289)	CHARACTER	3	TCTRSV02	- RESERVED
649	(289)	X'34'	0	TCTCREZ	"*-TCTCORE" - LENGTH OF TCT STORAGE TABLE
649	(289)	X'28C'	0	TCTBIG	"*-SMFTCT" - COMBINED LENGTH OF TCT COMMON SECTION AND TCT STORAGE TABLE

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					TCT INPUT/OUTPUT MEASUREMENT TABLE THE TCT I/O MEASUREMENT TABLE (TCTTIOT) IS COMPOSED OF THE TCT I/O LOOKUP TABLE AND THE TCT I/O COUNTER TABLE. IT IS USED TO COLLECT I/O MEASUREMENTS AT THE DD LEVEL. THE TCTTIOT IS NOT CONTIGIOUS TO THE TCT. THE TCTIOTBL FIELD IN THE TCT COMMON SECTION POINTS TO THE TCTTIOT. THE TCTTIOT IS CREATED BY IEFIB660 IN SUBPOOL 255/KEY 0 AND RESIDES ABOVE THE 16M LINE. THE TCT I/O LOOKUP TABLE CONTAINS 1 COMMON SECTION AND A DD LOOKUP TABLE. THE DD LOOKUP TABLE IS AN ARRAY WITH EACH ELEMENT REPRESENTING ONE DD ENTRY IN THE TIOT (IEFTIOT). SMF REFERENCES THESE DD LOOK-UP ENTRIES TO FIND THE FIRST DEVICE ENTRY IN THE TCT I/O COUNTER TABLE ASSOCIATED WITH A PARTICULAR DD. THE TCT I/O COUNTER TABLE CONSISTS OF ONE DD ENTRY PER ENTRY IN THE DD LOOK-UP TABLE. EACH DD ENTRY CONSISTS OF 1 OR MORE 24 BYTE DEVICE ENTRIES WHICH REPRESENT THE UCBS ASSOCIATED WITH THE DD. THERE IS ONE 8 BYTE OUTPUT LIMIT EXTENSION WHICH IS USED BY GPD. THE SIZE OF THE TCTTIOT IS DEPENDENT ON THE NUMBER OF DDS PER JOB. THERE IS 1 DD LOOKUP TABLE PER DD AND 1 DEVICE ENTRY PER DEVICE (UCB) PER DD.				
					End of Comment
649	(289)	X'28C'	0	TCTTIOT	"*" - BEGINNING OF TCT I/O TABLE
					Comment
					TCT I/O LOOKUP TABLE (ONE TABLE PER DD)
					End of Comment
652	(28C)	SIGNED	4	TCTPLEXT (0)	- SUBPOOL/LENGTH OF TCT I/O TABLE
652	(28C)	BITSTRING	1		- SUBPOOL IN WHICH THE TCT I/O TABLE RESIDES
653	(28D)	BITSTRING	3	TCTSZEXT	SIZE IN BYTES OF TCT I/O TABLE
656	(290)	SIGNED	4	TCTSZLKP	- NUMBER OF DEVICE ENTRIES IN THE TCT TCTDDLEN TABLE TIMES 24
656	(290)	X'8'	0	TCTCOMIO	"*-TCTTIOT" - LENGTH OF TCT I/O TABLE COMMON SECTION
					Comment
					DD LOOKUP TABLE ENTRY (ONE ENTRY PER DD ENTRY IN THE TIOT)
					End of Comment
656	(290)	X'294'	0	TCTIODSP	"*" - START OF DD LOOKUP TABLE ENTRY
660	(294)	SIGNED	4	TCTDCBTD	- OFFSET FROM THE TIOT ORIGIN TO THE TIOT ENTRY FOR THE DD STATEMENT ASSOCIATED WITH THE ACCESSED DATA SET NOTE: THE TIOT ENTRIES MAY -NOT- BE CONTIGUOUS.
664	(298)	SIGNED	4	TCTIOTSD	- OFFSET FROM THE TCT I/O TABLE ORIGIN TO THE DD ENTRY, WITHIN THE TCT I/O COUNTER TABLE, ASSOCIATED WITH THE ACCESSED DATA SET
668	(29C)	SIGNED	4	TCTDCBLE	- END OF TCT I/O LOOKUP TABLE (ZEROS)
					Comment
					TCT I/O COUNTER TABLE (ONE ENTRY PER DD ENTRY IN THE DD LOOK-UP TABLE) DEVICE ENTRY (ONE ENTRY PER DEVICE (UCB) PER DD)
					End of Comment

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
668	(29C)	X'2A0'	0	TCTDDENT	"*" - START OF TCT I/O COUNTER TABLE (DEVICE ENTRY)
672	(2A0)	SIGNED	4	TCTUCBP	- ADDRESS OF THE UCB ASSOCIATED WITH THIS DEVICE
676	(2A4)	SIGNED	1	TCTSCTR	- NUMBER OF DEVICES ASSOCIATED WITH THIS DD STATEMENT. THIS NUMBER REPRESENTS THE NUMBER OF DEVICE ENTRIES WITHIN THIS DD ENTRY. THIS FIELD CONTAINS ZEROS IN ALL BUT ITS FIRST APPEARANCE IN ANY DD ENTRY. X'FF' INDICATES SYSIN DATA SET (OS/VS1). ICB375
677	(2A5)	BITSTRING	1	TCTFLGS	- FLAG BYTE MDC013
		1...		TCTDDIND	"X'80'" - END OF CONCATENATED DD STRING (OS/VS1) MDC014
		.1..		TCTVAMDS	"X'40'" - VAM DATA SET ENTRY. TCTUCBP FIELD IS ZERO WHEN THIS BIT IS ONE. MDC015
		..1.		TCTNOCNT	"X'20'" - IF ON, DO NOT COUNT THE EXCP (OS/VS1) (MDC301)
		...1		TCTRSV22	"X'10',,C'X'" - RESERVED
		.... 1...		TCTRSV23	"X'08',,C'X'" - RESERVED
		.... .1..		TCTRSV24	"X'04',,C'X'" - RESERVED
		.... ..1.		TCTRSV25	"X'02',,C'X'" - RESERVED
		1		TCTRSV26	"X'01',,C'X'" - RESERVED
678	(2A6)	SIGNED	2	TCTBLKSZ	- BLOCK SIZE FOR THIS DD NAME
		1...		TCTCBSZ	"X'80'" CHANGED BLOCK SIZE IF ON
680	(2A8)	SIGNED	4	TCTDCTR	- COUNTER FOR EXCP'S ISSUED AGAINST THIS UCB (DEVICE)
684	(2AC)	SIGNED	4	TCTDCTRS	- SAVED EXCP COUNT FOR THIS ENTRY
688	(2B0)	SIGNED	4	TCTCONN	- DEVICE CONNECT TIME
692	(2B4)	SIGNED	4	TCTCONNS	- SAVED DEVICE CONNECT TIME
696	(2B8)	BITSTRING	8	TCTXBLKS	BLOCKSIZE >32K FOR THIS DD NAME
696	(2B8)	X'20'	0	TCTDDLEN	"*-TCTUCBP"

Comment

OUTPUT LIMIT EXTENSION

End of Comment

704	(2C0)	BITSTRING	4	TCTRSV10	- *** TCTOUTLM FIELD RESERVED IN OS/VS ***
708	(2C4)	SIGNED	1	TCTEXRLD	- A BINARY NUMBER OF EXTENTS RELEASED BY THE DADSM RELEASE ROUTINE. COLLECTED ONLY IF RLSE WAS SPECIFIED IN THE SPACE PARAMETER FOR THIS DATA SET.
709	(2C5)	SIGNED	3	TCTTKRLD	- A BINARY NUMBER OF TRACKS RELEASED BY THE DADSM RELEASE ROUTINE. COLLECTED ONLY IF RLSE WAS SPECIFIED IN THE SPACE PARAMETER FOR THIS DATA SET.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					EXTENDED TCTIOT CONTROL BLOCK THE ETCTIOT IS A CHAIN OF 4K BLOCKS. EACH 4K BLOCK CONSISTS OF A 16 BYTE HEADER AND AN ARRAY OF A MAXIMUM OF 340 ELEMENTS. EACH ELEMENT IS 12 BYTES IN LENGTH AND REPRESENTS A DD ENTRY IN THE TCTTIOT. THE ETCTIOT IS NOT CONTIGUOUS TO THE TCT COMMON SECTION OR THE TCTTIOT. THE FIRST ETCTIOT IS POINTED TO BY THE TCTFETIO FIELD IN THE TCT COMMON SECTION. ADDITIONAL FIELDS EXIST IN THE TCT COMMON SECTION WHICH DESCRIBE THE ETCTIOT CHAIN. THE ETCTIOT IS CREATED BY IEFIB660 IN SUBPOOL 255 AND KEY 0. THE CHAIN RESIDES ABOVE THE 16M LINE. THERE IS 1 ETCTIOT CHAIN PER ADDRESS SPACE. THE SIZE OF THE CHAIN IS BASED ON THE NUMBER OF DDS PER JOB: MINUMUM CHAIN = 1 4K BLOCK (1 4096 = 4096 BYTES) AVERAGE CHAIN = 1 4K BLOCK (AVERAGE JOB < 100 DDS) MAXIMUM CHAIN = 10 4K BLOCKS (10 4096 = 40,960 BYTES) = MAXIMUM CHAIN IS BASED ON 3273 DDS ETCTIOT HEADER (ONE HEADER PER BLOCK)					
					End of Comment
709	(2C5)	X'2C8'	0	ETCTIOT	"*" - EXTENDED TCTIOT
709	(2C5)	X'2C8'	0	ETCTHDR	"*" - ETCTIOT HEADER SECTION
712	(2C8)	CHARACTER	7	ETCTID	- ETCTIOT IDENTIFIER = 'ETCTIOT'
719	(2CF)	CHARACTER	1	ETCTVER	- ETCTIOT VERSION NUMBER = X'01'
720	(2D0)	SIGNED	4	ETCTFCHN	- NEXT ETCTIOT BLOCK ADDRESS
724	(2D4)	SIGNED	4	ETCTBCHN	- PREVIOUS ETCTIOT BLOCK ADDRESS
					Comment
					ETCTIOT ELEMENT (MAXIMUM OF 340 12 BYTE ELEMENTS PER BLOCK)
					End of Comment
724	(2D4)	X'2D8'	0	ETCTNTRY	"*" ETCTIOT DD ENTRY
728	(2D8)	SIGNED	4	ETCTNEXT	- NEXT TOKEN
		1...		ETCTIUSE	"X'80'" - ENTRY IN USE (1=IN USE)
732	(2DC)	SIGNED	4	ETCTDSAB	- DSAB ADDRESS OF ENTRY
736	(2E0)	SIGNED	4	ETCTSTIO	- TCTIOT DD LOOKUP ENTRY OFFSET
					Comment
					TCTOMVS - TCT OpenMVS Process Data Table The OpenMVS Process Data Table is 104 bytes. Size should always be a multiple of 8. THE TCT OpenMVS PROCESS DATA TABLE (TCTOMVS) IS POINTED TO BY TCTOMVSP IN THE TCT COMMON SECTION.
					End of Comment
736	(2E0)	X'2E4'	0	TCTOMVS	"*" - TCT OpenMVS Table
740	(2E4)	CHARACTER	8	TCTOMVSH (0)	- TCT OpenMVS Header Section
740	(2E4)	CHARACTER	4	TCTOID	Control Block ID 'TCTO'
744	(2E8)	SIGNED	4	TCTOSPLN (0)	Control Block Subpool and Length
744	(2E8)	BITSTRING	1	TCTOSP	- Subpool
745	(2E9)	BITSTRING	3	TCTOLN	- Length
748	(2EC)	CHARACTER	96	TCTOMVSD (0)	- TCT OpenMVS Data Section
748	(2EC)	SIGNED	4	TCTOPI	- Process ID
752	(2F0)	SIGNED	4	TCTOPG	- Process Group ID
756	(2F4)	SIGNED	4	TCTOUI	- Process User ID
760	(2F8)	SIGNED	4	TCTOUG	- Process User Group ID
764	(2FC)	SIGNED	4	TCTOSI	- Process Session ID
768	(300)	SIGNED	4	TCTOSC	- Number of syscals requested
772	(304)	SIGNED	4	TCTOST	- Total CPU Time accumulated by the syscals requested

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
776	(308)	SIGNED	4	TCTODR	- Number of directory I/O blocks read
780	(30C)	SIGNED	4	TCTOFR	- Number of I/O blocks read for standard files
784	(310)	SIGNED	4	TCTOFW	- Number of I/O blocks written for standard files
788	(314)	SIGNED	4	TCTOPR	- Number of I/O blocks read for pipe files
792	(318)	SIGNED	4	TCTOPW	- Number of I/O blocks written for pipe files
796	(31C)	SIGNED	4	TCTOSR	- Number of I/O blocks read for special files
800	(320)	SIGNED	4	TCTOSW	- Number of I/O blocks written for special files
804	(324)	SIGNED	4	TCTOLL	- Number of path name Lookup calls to the logical file system
808	(328)	SIGNED	4	TCTOLP	- Number of path name Lookup calls to the physical file system
812	(32C)	SIGNED	4	TCTOGL	- Number of path name Generation calls to the logical file system
816	(330)	SIGNED	4	TCTOGP	- Number of path name Generation calls to the physical file system
820	(334)	SIGNED	4	TCTOPP	- OpenMVS parent process ID number
824	(338)	SIGNED	4	TCTOKR	- Number of I/O blocks read for Remote socket by the process
828	(33C)	SIGNED	4	TCTOKW	- Number of I/O blocks written for Remote socket by the process
832	(340)	SIGNED	4	TCTOMS	- Number of message queues bytes sent
836	(344)	SIGNED	4	TCTOMR	- Number of message queues bytes received
840	(348)	SIGNED	4	TCTOSY	- Number of sync() function calls

Comment

TCTARM - TCT ARM Data Table
The ARM data table is 88 bytes.
The TCT ARM Data Table (TCTARM) is pointed to by
TCTARMP in the TCT common section.

End of Comment

840	(348)	X'34C'	0	TCTARM	"*" - TCT ARM Table
844	(34C)	CHARACTER	4	TCTAID	Control Block ID 'TCTA'
848	(350)	SIGNED	4	TCTASPLN (0)	Control Block Subpool and Length
848	(350)	BITSTRING	1	TCTASP	- Subpool
849	(351)	BITSTRING	3	TCTALN	- Length
852	(354)	CHARACTER	80	TCTARMD (0)	- TCT ARM Data
852	(354)	CHARACTER	16	TCTARNM	Element Name
868	(364)	CHARACTER	8	TCTARTP	Element Type
876	(36C)	CHARACTER	16	TCTARRG	Restart Group for Element
892	(37C)	CHARACTER	8	TCTARSN	The system name for the system on which the element was initially started. blank, for the initial start
900	(384)	SIGNED	4	TCTARGT	- Time (local) Element requested REGISTER Function, in hundredths of a second
904	(388)		1	TCTARGD	- Date Element requested REGISTER Function, in the form 0cyydddF (where 'F' is the sign)
908	(38C)	SIGNED	4	TCTARWT	- Time (local) Element requested WAITPRED function, in hundredths of a second Note that this is the time that the function was requested, not satisfied. 0, if the element has not requested the function.
912	(390)		1	TCTARWD	- Date Element requested WAITPRED function, in the following format: 0cyydddF (where 'F' is the sign) 0, if the element has not requested the function.
916	(394)	SIGNED	4	TCTARYT	- Time (local) Element was READY, in hundredths of a second 0, if the element is not yet READY
920	(398)		1	TCTARYD	- Date Element was READY, in the following format: 0cyydddF (where 'F' is the sign) 0, if the element is not yet READY
924	(39C)	SIGNED	4	TCTARTT	- Time (local) Element was DEREGISTERED, in hundredths of a second 0, if the element is not yet DEREGISTERED or ended abnormally.
928	(3A0)		1	TCTARTD	- Date Element was DEREGISTERED, in the following format: 0cyydddF (where 'F' is the sign) 0, if the element is not yet DEREGISTERED or ended abnormally.

TCT Cross Reference

Name	Hex Offset	Hex Value
ETCTBCHN	2D4	
ETCTDSAB	2DC	
ETCTFCHN	2D0	
ETCTHDR	2C5	2C8
ETCTID	2C8	
ETCTIOT	2C5	2C8
ETCTIUSE	2D8	80
ETCTNEXT	2D8	
ETCTNTRY	2D4	2D8
ETCTSTIO	2E0	
ETCTVER	2CF	
SMFTCT	0	
TCTACT	44	
TCTACTRT	3	2
TCTADMFR	F4	
TCTADMFW	F0	
TCTAID	34C	
TCTAJS	40	
TCTALN	351	
TCTANSC	134	
TCTARGD	388	
TCTARGT	384	
TCTARM	348	34C
TCTARMD	354	
TCTARMP	1FC	
TCTARNM	354	
TCTARRG	36C	
TCTARSN	37C	
TCTARTD	3A0	
TCTARTP	364	
TCTARTT	39C	
TCTARWD	390	
TCTARWT	38C	
TCTARYD	398	
TCTARYT	394	
TCTASF	138	10
TCTASP	350	
TCTASPLN	350	
TCTASST	20C	
TCTASSTC	220	
TCTAST	38	
TCTATR	48	
TCTBIG	289	28C
TCTBLKSZ	2A6	
TCTCBSZ	2A6	80
TCTCOMIO	290	8
TCTCOMP	130	80
TCTCOMZ	254	258
TCTCONN	2B0	
TCTCONNS	2B4	
TCTCORE	258	
TCTCPUS	20	
TCTCREZ	289	34
TCTCRTBL	8	
TCTCSF	138	40
TCTCTF	138	80
TCTDCBLE	29C	
TCTDCBTD	294	
TCTDCOPN	3	1
TCTDCTI	B4	
TCTDCTR	2A8	
TCTDCTRS	2AC	
TCTDDENT	29C	2A0
TCTDDIND	2A5	80
TCTDDLEN	2B8	20
TCTDEF	138	4
TCTDET	228	
TCTDUMMY	130	40
TCTEBLK	120	
TCTECPT	210	
TCTECPTC	224	
TCTECPU	218	
TCTEFAVL	124	
TCTEFLGS	130	
TCTEHPT	F8	
TCTEHWM	268	
TCTEIIP	DC	
TCTEINFO	114	
TCTEJST	6C	
TCTELAVL	128	
TCTELEN	11E	
TCTELWM	26C	
TCTENAVL	12C	
TCTEND	254	258
TCTENF	138	8
TCTERCT	E0	
TCTERGNB	274	
TCTESUBP	11C	
TCTETC	21C	
TCTETIM	214	
TCTEVFAT	100	
TCTEVFUT	FC	
TCTEXP	3	
TCTEXRLD	2C4	
TCTE39PP	E8	
TCTFETIO	114	
TCTFLAGS	13A	
TCTFLGS	2A5	
TCTHPF	138	40
TCTHWM	25C	
TCTIABD	3	8
TCTIAF	138	1
TCTICF	138	4
TCTIEX	3	40
TCTIIF	138	80
TCTINTDT	110	
TCTINTST	10C	
TCTIOCS	2C	
TCTIODSP	290	294
TCTIOSAV	B0	
TCTIOTBL	C	
TCTIOTSD	298	
TCTISF	138	8
TCTISK30	3	20
TCTISK32	3	10
TCTISRB	88	
TCTISS	1A0	
TCTITCB	84	
TCTIVF	138	2
TCTIVFAT	108	
TCTIVFUT	104	
TCTJMR	1C	
TCTJSTI	3	80
TCTJSTX	24	
TCTLCTAD	98	
TCTLETIO	118	

Name	Hex Offset	Hex Value
TCTLIN	30	
TCTLINSV	78	
TCTLOUT	34	
TCTLOUTS	7C	
TCTLRRCT	AC	
TCTLWM	258	
TCTMEM	280	
TCTMEMS	288	
TCTMINC	260	
TCTMSCT	D8	
TCTMSOFF	D8	80
TCTMSOS	4C	
TCTNOCNT	2A5	20
TCTODR	308	
TCTOFR	30C	
TCTOFW	310	
TCTOGL	32C	
TCTOGP	330	
TCTOID	2E4	
TCTOKR	338	
TCTOKW	33C	
TCTOLL	324	
TCTOLN	2E9	
TCTOLP	328	
TCTOMR	344	
TCTOMS	340	
TCTOMVS	2E0	2E4
TCTOMVSD	2EC	
TCTOMVSH	2E4	
TCTOMVSP	188	
TCTOPG	2F0	
TCTOPI	2EC	
TCTOPP	334	
TCTOPR	314	
TCTOPW	318	
TCTOSC	300	
TCTOSI	2FC	
TCTOSP	2E8	
TCTOSPLN	2E8	
TCTOSR	31C	
TCTOST	304	
TCTOSW	320	
TCTOSY	348	
TCTOUG	2F8	
TCTOUI	2F4	
TCTPARMS	C0	
TCTPDASD	54	
TCTPGIN	40	
TCTPGOUT	44	
TCTPGSMF	40	
TCTPLEXT	28C	
TCTPMSS	64	
TCTPOOL	10	
TCTPPST	3C	
TCTPRMSP	C4	
TCTPTAPE	5C	
TCTQA	0	
TCTRBA	264	
TCTRCF	138	20
TCTRDASD	58	
TCTRGNB	270	
TCTRGNS	48	
TCTRMSS	68	
TCTRQSVP	E4	
TCTRSMGT	1E4	

Name	Hex Offset	Hex Value
TCTRSV00	262	
TCTRSV01	27C	
TCTRSV02	289	
TCTRSV08	20	
TCTRSV10	2C0	
TCTRSV22	2A5	10
TCTRSV23	2A5	8
TCTRSV24	2A5	4
TCTRSV25	2A5	2
TCTRSV26	2A5	1
TCTRSZ	278	
TCTRTAPE	60	
TCTSACT	28	
TCTSCTR	2A4	
TCTSIN	4C	
TCTSNAME	C8	
TCTSOUT	50	
TCTSRBS	50	
TCTSRBT	70	
TCTSRMSP	13B	
TCTSTOF	24	
TCTSTPRN	3	4
TCTSUBNM	184	
TCTSVTEP	74	
TCTSW	3	
TCTSZE	12	
TCTSZEXT	28D	
TCTSZLKP	290	
TCTTCB	4	
TCTTCT	D0	
TCTTCT2	13A	80
TCTTIMER	B8	
TCTTIOT	289	28C
TCTTJLM	28	
TCTTKRLD	2C5	
TCTTMRFL	138	
TCTTMRSP	BC	
TCTTPCNA	168	
TCTTPCON	160	
TCTTPDAR	17C	
TCTTPDAT	170	
TCTTPDCT	158	
TCTTPEXP	154	
TCTTPNUM	15C	
TCTTPREC	178	
TCTTPSEN	16C	
TCTTPSRB	150	
TCTTPTAC	164	
TCTTPTCB	14C	
TCTTPTYP	148	
TCTTRAN	80	
TCTT30AH	200	
TCTT30H	94	
TCTT30J	8C	
TCTT30JA	208	
TCTT30JE	198	
TCTT30JP	19C	
TCTT30JR	250	
TCTT30PH	18C	
TCTT30S	90	
TCTT30SA	204	
TCTT30SE	190	
TCTT30SP	194	
TCTT30SR	24C	
TCTT30UH	1F0	

Name	Hex Offset	Hex Value
TCTT30UJ	1F8	
TCTT30US	1F4	
TCTT32J	9C	
TCTT32S	A0	
TCTT33J	140	
TCTT33S	144	
TCTT33SP	13C	
TCTUACA	1D0	
TCTUACL	1CC	
TCTUCBP	2A0	
TCTUDATA	18	
TCTUFCA	1E0	
TCTUFCAC	1DC	
TCTUTCA	1D8	
TCTUTCAC	1D4	
TCTUTIMR	1E8	
TCTUTL	14	
TCTUTPRM	1EC	
TCTVAF	138	10
TCTVAMDS	2A5	40
TCTVUF	138	20
TCTWLMT	2C	
TCTXBLKS	2B8	
TCTXR0DC	EC	
TCT30AIC	22C	
TCT30AID	230	
TCT30AIS	238	
TCT30AIW	234	
TCT30ATR	1C8	
TCT30CN	1A8	
TCT30CNA	1AC	
TCT30DAR	1C0	
TCT30DAT	1B4	
TCT30EIC	23C	
TCT30EID	240	
TCT30EIS	248	
TCT30EIW	244	
TCT30REC	1BC	
TCT30SEN	1B0	
TCT32BLK	A8	
TCT32SP	A4	

TDCM Heading Information

Common Name: PAGEABLE DISPLAY CONTROL MODULE MAPPING MACRO
Macro ID: IEETDCM
DSECT Name: DCMSTRT, DCMSCTA, DCMSCTC, DCMORDER
Owning Component: DIDOCS (SC1C4)
Eye-Catcher ID: TDCM
Offset: 0
Length: 4
Storage Attributes: Subpool: 229
Key: 0
Size: Base section: X'5D8' bytes
SIB section: ((10+# cols) * # rows) * 2
DOM ids section: 18 bytes per row
SCT section: 4 bytes per row
SSCT section: 2 bytes per row
Query Response: 344 bytes
Adjunct Orders: 22 bytes per row
MCT section: 4 bytes per row
MCS/SMCS Input : 264 bytes
BLENT Area: 304 bytes for screen sizes under 46x80. 320 bytes for screen sizes 46x80 to 91x80. Max of 560 bytes for screen size of 255x255.
Created by: IEECVFTW
Pointed to by: DCMADTRN IN RDCM
Serialization: LOCAL AND CMS LOCKS
Function: THIS MACRO MAPS THE PAGEABLE DISPLAY CONTROL MODULE (TDCM).

TDCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	1496	DCMSTRT	
0	(0)	CHARACTER	4	DCMOACRO	CNTL BLK ACRONYM 'TDCM'
4	(4)	CHARACTER	1	DCMFLG1	TDCM AREA INDICATORS
		1...		*	RESERVED
		.1..		*	RESERVED
		..1.		*	RESERVED
		...1		*	RESERVED
		.... 1...		*	RESERVED
		.... .1..		*	RESERVED
		.... ..1.		DCMOUTPT	TDCM UPDATED FOR OUTPUT ONLY
		1		*	RESERVED
5	(5)	CHARACTER	1	DCMATI	SAVED UCB ATTN INDEX
6	(6)	CHARACTER	2	*	RESERVED
8	(8)	ADDRESS	4	DCMWTINT	DCMWTINT INITIAL VALUE
12	(C)	SIGNED	2	DCMLNCNT	NUMBER OF LINES TO BLANK
14	(E)	CHARACTER	1	DCMLNNUM	FIRST LINE TO BLANK
15	(F)	UNSIGNED	1	DCMGFLG	HOLDMODE INDICATORS
		1...		DCMHOLD	CONSOLE IS IN HOLDMODE
		.1..		DCMMWISS	MESSAGE IEE159I HAS BEEN ISSUED
		..11 1111		*	RESERVED
16	(10)	SIGNED	4	DCMPACK	AREA TO PLACE NUMBER FOR PACKING
20	(14)	SIGNED	4	DCMCVBIN	AREA FOR CONVERSION TO BINARY

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Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
		TIMER COMMUNICATION FIELD			
				End of Comment	
24	(18)	CHARACTER	1	DCMTIMES	TIME RTNS INDICATOR BYTE
		1...		DCMTIMER	TIME ELAPSED FOR THIS DISPLAY
		.1..		DCMOPTTI	OPTIONS TO TI RTN
		..1.		*	RESERVED
		...1		DCMOTTMM	OPTIONS OR TI RTNS TO MSG MODULE
		.... 1...		*	RESERVED
		.... .1..		DCMTASYN	TIMER SET FOR ASYNC ERROR MSG
		.... ..1.		DCMOCTTI	OPEN-CLOSE TO TI RTN
		1		DCMRMTTI	ROLL MODE TO TIMER ROUTINE
				Comment	
		CONTROL BLOCK VERSION IDENTIFICATION			
				End of Comment	
25	(19)	UNSIGNED	1	DCMTVERN	CONTROL BLOCK VERSION
26	(1A)	SIGNED	2	*	RESERVED
				Comment	
		ADDRESS TABLE			
				End of Comment	
28	(1C)	ADDRESS	4	*	RESERVED
32	(20)	ADDRESS	4	DCMDOMPK	ADDRESS OF FIRST DOM NUMBER
36	(24)	ADDRESS	4	DCMAMTAB	ADDRESS OF FIRST SCT ENTRY
40	(28)	ADDRESS	4	DCMADSEC	ADDRESS OF FIRST SSCT ENTRY
44	(2C)	ADDRESS	4	DCMADDRL	ADDRESS OF LAST SCT ENTRY
48	(30)	ADDRESS	4	DCMASCRN	POINTER TO SCREEN IMAGE BUFFER
52	(34)	ADDRESS	4	DCMLSCRN	POINTER TO LAST BUFFER LINE
56	(38)	ADDRESS	4	DCMWTBUF	SCREEN LENGTH POINTER
60	(3C)	ADDRESS	4	DCMAINS	POINTER TO INSTRUCTION LINE
64	(40)	ADDRESS	4	DCMAENTR	POINTER TO ENTRY AREA
68	(44)	ADDRESS	4	DCMAWARN	POINTER TO WARNING LINE
72	(48)	ADDRESS	4	DCMADCHP	ADDRESS OF CHANNEL PROGRAM AREA
76	(4C)	ADDRESS	4	DCMPFKLN	POINTER TO PFK LINE
80	(50)	SIGNED	4	DCMCXSVE	CXSA SAVE AREA
84	(54)	ADDRESS	4	DCMADOPN	ADDRESS OF COMMAND OPERAND
88	(58)	SIGNED	4	DCMDSAV (5)	SAVE AND WORK AREA
				Comment	
		INPUT BUFFER FOR ISSUING SVC 34 AND SVC 35 FIELDS DCMWQEXP THROUGH DCMINPUT MUST REMAIN IN ORDER			
				End of Comment	
108	(6C)	SIGNED	4	DCMWQEXP	ENSURE FULL WORD BOUNDARY
108	(6C)	SIGNED	2	DCMINLGN	FIELD FOR INPUT LENGTH
110	(6E)	SIGNED	2	DCMMCSFL	MCS FLAGS FIELD
112	(70)	CHARACTER	128	DCMINPUT	INPUT MESSAGE TEXT
				Comment	
		GENERAL LENGTH VALUES			
				End of Comment	
240	(F0)	SIGNED	2	DCMLGNTH	LENGTH OF A LINE
242	(F2)	SIGNED	2	DCMBAINC	ADDRESS TO INSERT CURSOR

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
244	(F4)	SIGNED	2	DCMSSCTL	LENGTH OF ONE SSCT ENTRY
246	(F6)	SIGNED	2	DCMBADLN	BUFFER ADDR TO BEGIN MSG WRITE
248	(F8)	SIGNED	2	DCMBYTCT	NUMBER OF BYTES TO WRITE
250	(FA)	SIGNED	2	DCMADNUM	NEXT LINE NUMBER
252	(FC)	SIGNED	2	DCMAXLGN	MAXIMUM LINE LENGTH
254	(FE)	SIGNED	2	DCMMSGAL	NUMBER OF LINES IN MESSAGE AREA
256	(100)	SIGNED	2	DCMRMINC	INCREMENT INTO RMI
258	(102)	SIGNED	2	DCMSCTCN	LENGTH OF ONE SCT ENTRY
260	(104)	SIGNED	2	DCMCORLN	LENGTH OF TDCM LINE IN CORE
262	(106)	SIGNED	2	*	TIME COUNTER
264	(108)	CHARACTER	1	DCMPFKNM	NUMBER OF KEY BEING PROCESSED
265	(109)	CHARACTER	1	DCMPFKKN	LIST KEY NUMBER

Comment

VALUES FOR OPTIONS

End of Comment

266	(10A)	CHARACTER	2	DCMDEL	DEL VALUE
268	(10C)	CHARACTER	1	DCMCON	CON VALUE
269	(10D)	ADDRESS	1	DCMSEG	SEG VALUE
270	(10E)	ADDRESS	1	DCMDL	DISPLAY AREA OPTION
271	(10F)	ADDRESS	1	DCMRNUM	ROLL NUMBER VALUE
272	(110)	SIGNED	2	DCMRTME	ROLL TIME VALUE IN TENTHS OF SECONDS

Comment

DEFAULT VALUES FOR OPTIONS

End of Comment

274	(112)	ADDRESS	1	DCMSEGDF	SEG DEFAULT
275	(113)	ADDRESS	1	DCMRNUMD	RNUM DEFAULT
276	(114)	SIGNED	2	DCMRTMED	RTME DEFAULT IN TENTHS OF SECONDS

Comment

MCT TABLE CONSTANTS

End of Comment

278	(116)	SIGNED	2	DCMMCTCN	LENGTH OF ONE MCT ENTRY
280	(118)	CHARACTER	3	*	RESERVED

Comment

COMMUNICATIONS AREAS

End of Comment

283	(11B)	CHARACTER	1	DCMOPTST	STATUS OF SCREEN CONTROL OPTIONS
		1...		DCMOPTVR	DELETE VERIFICATION CON=(Y=1,N=0)
		.1..		DCMOPTAD	AUTOMATIC DELETION DEL=(Y=1,N=0)
		..1.		DCMOPTSG	DEFAULT SEGMENT SPECIFIED SEG=(0=0)
		...1		DCMOPRLL	Roll/Wrap mode? (Y=1, N=0)
		.... 1...		*	RESERVED
		.... .1..		*	RESERVED
		.... ..1.		*	RESERVED
		1		*	RESERVED
284	(11C)	CHARACTER	1	DCMCS	OPEN/CLOSE REQUEST
		1...		DCMCSC	CLOSE REQUEST
		.1..		DCMCSO	OPEN REQUEST
		..1.		DCMISRPQ	ISSUE READ PARTITION QUERY
		...1		DCMRDRPQ	READ RESULT OF READ PARTITION QUERY
		.... 1...		DCMRETIO	RETURN TO I/O ROUTINE
		.... .1..		DCMSWAPT	TDCM SWAP IS NEEDED
		.... ..1.		DCM_REISSUE_IO	

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					I/O JUST ISSUED IS TO be re-issued
		1		DCM_BUFFER_2_ENTRY_NEEDED	
					Data needs to be copied from the input area to the entry area
285	(11D)	CHARACTER	1	DCMUTILT	INTERNAL FLAGS
		1...		DCMUTILA	THESE BITS ARE
		.1..		DCMUTILB	INITIALIZED AND USED
		..1.		DCMUTILC	SOLELY WITHIN
		...1		DCMUTILD	EACH MODULE
		.... 1...		DCMUTILE	THEY ARE NEVER
		.... .1..		DCMUTILF	USED FOR INTERFACE
		.... ..1.		DCMTEST1	FOR TESTING
		1		DCMTEST2	FOR TESTING
286	(11E)	CHARACTER	1	DCMDSTAT	CURRENT DISPLAY STATUS
		1...		*	RESERVED
		.1..		*	RESERVED
		..1.		DCMDSTNM	MESSAGES ARE NUMBERED
		...1		DCMDSTNH	MSGS NUMBERED - HOLD OPTION
		.... 1...		*	RESERVED - WAS DCMDSINR
		.... .1..		DCMDSAUT	AUTOMATIC DELETION TRIED
		.... ..1.		*	RESERVED
		1		*	RESERVED

Comment

MCS INTERFACE FIELD

End of Comment

287	(11F)	CHARACTER	1	DCMMCSST	MCS INTERFACE BYTE
		1...		DCMDUSE	DIDOCS IN CONTROL
		.1..		*	RESERVED
		..1.		*	RESERVED
		...1		*	RESERVED
		.... 1...		*	RESERVED
		.... .1..		DCMOOMSS	MESSAGE STREAM ENTRY
		.... ..1.		*	RESERVED
		1		DCMOOSDS	STATUS DISPLAY ENTRY

Comment

UNIQUE INTERFACE FIELD

End of Comment

288	(120)	CHARACTER	1	DCMIOUNQ	UNIQUE IO BYTE
		1...		*	RESERVED WAS DCMIO226
		.1..		*	RESERVED
		..1.		DCMFRSCN	PUT OUTPUT IN HOLD MODE
		...1		DCMRDARM	PERFORM READ AFTER RMI
		.... 1...		DCMW2250	DEVICE HAS LIGHT PEN
		.... .1..		DCMINNOR	NORMAL INSTRUCTION LINE
		.... ..1.		DCMINERR	ERROR INSTRUCTION LINE
		1		DCMEWASP	ERASE/WRITE ALTERNATE COMMAND SUPPORTED

Comment

I/O COMMUNICATION FIELDS

End of Comment

289	(121)	CHARACTER	1	DCMIOCM1	IO COMMUNICATIONS BYTE 1
		1...		DCMDORMI	ISSUE RMI
		.1..		DCMSOUND	SOUND ALARM
		..1.		DCMWRWRN	WRITE WARNING LINE
		...1		DCMWRMSG	WRITE FULL MESSAGE AREA
		.... 1...		DCMWRPAR	WRITE PARTIAL MESSAGE AREA
		.... .1..		DCMWRINS	WRITE INSTRUCTION LINE

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		DCMWRENT	WRITE ENTRY AREA
		1		DCMINSC	INSERT CURSOR
290	(122)	CHARACTER	1	DCMIOCM2	IO COMMUNICATIONS BYTE 2
		1...		DCMBLENT	BLANK ENTRY AREA
		.1..		DCMBLWRL	BLANK LEFT HALF WARNING LINE
		..1.		DCMBLWRR	BLANK RIGHT HALF WARNING LINE
		...1		DCMINSSH	INIT AND SHIFT INSTRUCTION LINE
		.... 1...		DCMOOL_WRITE	Write Out-Of_Line Display
		.... .1..		DCMERASE	PERFORM ERASE
		.... ..1.		DCMIOCRD	PERFORM READ
		1		DCMWRASY	WRITE ASYNC ERROR MSG TO MID-SCREEN
291	(123)	CHARACTER	1	DCMIOCM3	IO COMMUNICATIONS BYTE 3
		1...		DCMOOL_REFRESH	Refresh the OOL displays
		.1..		*	Reserved. Was DCMSSRG
		..1.		DCMEWAND	ERASE/WRITE ALTERNATE COMMAND NEEDED
		...1		DCMWRPFK	TDCM WRITE PFK AREA
		.... 1...		DCMPFKAT	PFK ATTENTION
		.... .1..		DCMRDPFK	PFK AREA READ
		.... ..1.		DCMCQUED	MULTIPLE COMMANDS QUEUED
		1		DCMKPROC	PFK being proecessed
292	(124)	CHARACTER	1	DCMLINEN	LINE NUMBER TO BEGIN WRITE
293	(125)	CHARACTER	1	DCMCULNO	LINE IN ENTRY AREA TO INSERT CURSOR
294	(126)	CHARACTER	1	DCMPOSCU	POSITION TO INSERT CURSOR

Comment

ASYNCHRONOUS ERROR COMMUNICATIONS FIELD

End of Comment

295	(127)	CHARACTER	1	DCMASYNC	ASYN ERROR COMMUNICATIONS/RETRY BYTE
		1...		*	RESERVED
		.1..		DCMASDA	DATA CHECK RETRY BIT
		..1.		DCMASIN	INVALID BUFFER ADDR CHECK RETRY BIT
		...1		DCMASBA	BUFFER ADDR PARITY CHECK RETRY BIT
		.... 1...		DCMASEWA	PERMANENT ERROR ON EWA DEVICE RETRIED
		.... .1..		*	RESERVED
		.... ..1.		*	RESERVED
		1		*	RESERVED

Comment

COMMUNICATION FIELDS

End of Comment

296	(128)	CHARACTER	1	DCMCOM1	COMMUNICATIONS BYTE
		1...		DCMLPENT	ENTER BY LP OR CURSOR
		.1..		DCMIOPRD	READ PERFORMED
		..1.		DCMCOMRM	RMI PERFORMED
		...1		DCMCOMAU	PERFORM AUTO DELETE
		.... 1...		DCMCOMRD	PERFORM REGULAR DELETE
		.... .1..		DCMCOMNM	NUMBER MESSAGES
		.... ..1.		DCMCLEAR	CLEAR KEY WAS PRESSED
		1		DCMCANCL	INDICATE CANCEL TO COMMAND ROUTINE
297	(129)	CHARACTER	1	DCMCOM2	COMMUNICATIONS BYTE
		1...		DCMCM2I	INPUT TO BE PROCESSED
		.1..		DCMSPLIT	MSG TO BE SPLIT
		..1.		DCMCOMAR	ACCEPTED REPLY
		...1		DCMREPLC	REPEAT LAST COMMAND KEY (PA1) PRESSED
		.... 1...		DCMERPF	ERASE PERF-PROC CAN NOW CLOSE DEVICE
		.... .1..		*	Reserved. Was DCMCMIN5
		.... ..1.		*	Reserved. Was DCMCBLNK
		1		DCMAE	CLEANUP FOR ASY ERROR
298	(12A)	CHARACTER	1	DCMCOM3	COMMUNICATIONS BYTE

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		1...		DCMCDSP3	DISPLAY 3 COMPLETED WORK
		.1..		DCMRTPFK	RETURN TO PFK ROUTINE
		..1.		DCMVLPFK	VERIFYING LAST COMMAND
		...1		DCMXINT1	ENTRY FOR INTERFACE 1 ROUTINE
		.... 1...		DCMOLUNV	O-O-L MSG CAUSED UNVIEW. MSG.
		.... .1..		*	RESERVED
		.... ..1.		DCMOLHLD	OUT OF LINE MESSAGES HELD
		1		*	Reserved. Was DCMCMIN7

Comment

MESSAGE MODULES COMMUNICATION FIELDS

End of Comment

299	(12B)	CHARACTER	1	DCMCMSG1	MSG MODULE COMMUNICATIONS BYTE 1
		1...		DCMMSGWT	MOVE IN MESSAGE WAITING
		.1..		DCMUNMSG	MOVE IN UNVIEWABLE MESSAGE
		..1.		DCMSTEX	MOVE IN STATUS EXISTS
		...1		DCMCHOPT	MOVE IN CHANGE OPTIONS
		.... 1...		DCMELONG	MOVE IN ENTRY TOO LONG
		.... .1..		DCMWRCDL	MOVE IN CON=N,DEL=Y
		.... ..1.		DCMDELNT	MOVE IN DEL UNCHANGED, NO TIMER
		1		*	RESERVED
300	(12C)	CHARACTER	1	DCMCMSG2	MSG MODULE COMMUNICATIONS BYTE 2
		1...		DCMDLREQ	MOVE IN DELETION REQUESTED
		.1..		DCMRQINC	MOVE IN REQUEST INCONSISTENT
		..1.		DCMMSGCR	MOVE IN INVALID CURSOR OPERATION
		...1		DCMINVOP	MOVE IN INVALID OPERAND
		.... 1...		DCMCILLP	MOVE IN ILLEGAL LP OPERATION
		.... .1..		DCMDELRI	MOVE IN DELETE REQUEST INCONSISTENT
		.... ..1.		DCMASYRT	MOVE IN ASYN ERROR RETRYABLE
		1		DCMASYCD	MOVE IN ASYN ERROR MAYBE RETRYABLE
301	(12D)	CHARACTER	1	DCMCMSG3	MSG MODULE COMMUNICATIONS BYTE 3
		1...		DCMCMRLL	MOVE IN ROLL MODE MESSAGE
		.1..		DCMCDLR1	NO DELETABLE MESSAGES
		..1.		DCMCDLR2	INVALID RANGE
		...1		DCMCDLR3	SEG EQU TO ZERO
		.... 1...		DCMCDLR4	DISPLAY NOT ON SCREEN
		.... .1..		DCMCDLR5	INVALID OPERAND
		.... ..1.		*	RESERVED
		1		DCMDTBSY	COMMAND REJECTED - TASK BUSY
302	(12E)	CHARACTER	1	DCMCMSG4	MSG MODULE COMMUNICATIONS BYTE 4
		1...		DCMPFKNA	MOVE IN PFK NOT ALLOCATED FOR
		.1..		DCMPFKND	MOVE IN PFK NOT DEFINED
		..1.		DCMPFKNO	MOVE IN NO PFK ALLOCATION
		...1		DCMPFKIP	MOVE IN PFK IN PROCESS
		.... 1...		DCMNPFKT	MOVE IN NO PFK TABLES
		.... .1..		DCMTABND	MOVE IN PFK TABLE NOT DEFINED
		.... ..1.		DCMKRPIP	MOVE IN K REQUEST INCONSISTENT - PFK IN USE
		1		*	RESERVED

Comment

SVC 34 COMMUNICATIONS FIELD

End of Comment

303	(12F)	CHARACTER	1	DCMSVC34	SVC 34 COMMUNICATION BYTE
		1...		DCMMYCMD	COMMAND TO BE HANDLED BY THIS CONS
		.1..		DCMINVLD	INVALID K COMMAND
		..1.		DCMTYPE1	K COMMAND IS NOT ROUTABLE
		...1		*	RESERVED
		.... 1...		*	RESERVED
		.... .1..		*	RESERVED
		.... ..1.		*	RESERVED

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1		*	RESERVED
304	(130)	CHARACTER	1	DCMCOM4	COMMUNICATION BYTE
		1...		*	Reserved. Was DCMCNTRL
		.111 1111		*	RESERVED

Comment

INDEX FOR I/O ROUTINE

End of Comment

305	(131)	CHARACTER	1	DCMIONDX	INDEX FOR SELECTING THE APPROPRIATE IO ROUTINE X'04'=RESERVED X'08'=RESERVED X'0C'=RESERVED X'10'=3270-TYPE-DEVICE, IEECVETU
306	(132)	SIGNED	2	DCMTEST	RESERVED FOR TESTING

Comment

MODULE ADDRESSES

End of Comment

308	(134)	CHARACTER	120	DCMADMOD	STRUCTURE OF MODULE ADDRESSES
308	(134)	ADDRESS	4	DCMIORTN	IEECVETU - APPROPRIATE I/O ROUTINE
312	(138)	CHARACTER	116	DCMNMODS	MODULE ADDRESS
312	(138)	ADDRESS	4	*	RESERVED
316	(13C)	ADDRESS	4	DCMNPROC	IEECVET1 - PROCESSOR ROUTINE LOAD ONE
320	(140)	ADDRESS	4	DCMNDSP1	IEECVET2 - DISPLAY ROUTINE 1
324	(144)	ADDRESS	4	DCMNDSP2	IEECVET3 - DISPLAY ROUTINE 2
328	(148)	ADDRESS	4	DCMNDSP3	IEECVFT2 - DISPLAY ROUTINE 3
332	(14C)	ADDRESS	4	DCMNCMD1	IEECVET4 - COMMAND ROUTINE 1
336	(150)	ADDRESS	4	DCMNDEL1	IEECVET6 - DELETE ROUTINE 1
340	(154)	ADDRESS	4	DCMNDEL2	IEECVET7 - DELETE ROUTINE 2
344	(158)	ADDRESS	4	DCMNDEL3	IEECVET8 - DELETE ROUTINE 3
348	(15C)	ADDRESS	4	DCMNDEL4	IEECVET9 - DELETE ROUTINE 4
352	(160)	ADDRESS	4	DCMNOPT1	IEECVETA - OPTIONS ROUTINE 1
356	(164)	ADDRESS	4	DCMNPFK1	IEECVFTA - PFK ROUTINE 1
360	(168)	ADDRESS	4	DCMNPFK2	IEECVFTB - PFK ROUTINE 2
364	(16C)	ADDRESS	4	DCMNERRO	IEECVETC - ASYNCHRONOUS ERROR ROUTINE
368	(170)	ADDRESS	4	DCMNMSG1	IEECVETD - MESSAGE ROUTINE 1
372	(174)	ADDRESS	4	DCMNMSG2	IEECVETE - MESSAGE ROUTINE 2
376	(178)	ADDRESS	4	DCMNMSG3	IEECVFTD - MESSAGE ROUTINE 3
380	(17C)	ADDRESS	4	DCMNLPCR	IEECVETF - LIGHT PEN/CURSOR SERVICE ROUTINE
384	(180)	ADDRESS	4	DCMNOPCL	IEECVETG - OPEN/CLOSE ROUTINE
388	(184)	ADDRESS	4	DCMNCLN	IEECVFTG - CLEANUP MODULE
392	(188)	ADDRESS	4	*	Reserved
396	(18C)	ADDRESS	4	DCMNTIMR	IEECVETK - TIMER INTERPRETER ROUTINE
400	(190)	ADDRESS	4	*	Reserved
404	(194)	ADDRESS	4	DCMNINT2	IEECVFTM - INTERFACE 2 ROUTINE
408	(198)	ADDRESS	4	DCMNINT3	IEECVFTN - INTERFACE 3 ROUTINE
412	(19C)	ADDRESS	4	*	Reserved. Was DCMNINT4(FTO)
416	(1A0)	ADDRESS	4	DCMNINT5	IEECVFTP - INTERFACE 5 ROUTINE
420	(1A4)	ADDRESS	4	DCMNINT6	IEECVFTQ - INTERFACE 6 ROUTINE
424	(1A8)	ADDRESS	4	*	Reserved. Was DCMNINT7(FTT)

Comment

DIDOCS MODULE TRACE AREA

End of Comment

428	(1AC)	CHARACTER	92	DCMTRACE	TO-AREA FOR TRACE MOVE
428	(1AC)	CHARACTER	2	*	OLDEST TRACE ENTRY
430	(1AE)	CHARACTER	90	DCMTRAC2	FROM-AREA FOR TRACE MOVE
430	(1AE)	CHARACTER	88	*	
518	(206)	CHARACTER	2	DCMTREN	CURRENT TRACE ENTRY
518	(206)	CHARACTER	1	DCMTREN1	1ST BYTE OF NEW ENTRY

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
519	(207)	CHARACTER	1	DCMTREN2	2ND BYTE OF NEW ENTRY

Comment

FOLLOWING GROUP OF BYTES ARE DEVICE DEPENDENT

End of Comment

520	(208)	CHARACTER	1	DCMASKEN	ENTER MASK
521	(209)	CHARACTER	1	DCMASKCN	CANCEL MASK
522	(20A)	CHARACTER	1	DCMASKCR	CURSOR MASK
523	(20B)	CHARACTER	1	DCMASKLP	LIGHT PEN MASK
524	(20C)	CHARACTER	1	DCMSKPF1	1ST PFK TYPE MASK
525	(20D)	CHARACTER	1	DCMSKPF2	2ND PFK TYPE MASK
526	(20E)	CHARACTER	1	DCMSKPF3	3RD PFK TYPE MASK
527	(20F)	CHARACTER	1	DCMSKPF4	4TH PFK TYPE MASK
528	(210)	CHARACTER	1	DCMASKCL	CLEAR KEY MASK
529	(211)	CHARACTER	1	DCMSKPA1	PA1 KEY MASK
530	(212)	CHARACTER	1	DCMSKPA3	PA3 KEY MASK
531	(213)	CHARACTER	1	DCMSKSRQ	Sys Request key
532	(214)	CHARACTER	4	*	RESERVED

Comment

ADDRESSES OF PARTS OF THE SCREEN IMAGE BUFFER
WHEN IN FULL CAPABILITY MODE

End of Comment

536	(218)	ADDRESS	4	DCMSADCN	FIRST ADCON IN LIST
536	(218)	ADDRESS	4	DCMFLLA	LAST LINE IN MSG AREA
540	(21C)	ADDRESS	4	DCMFLL1A	LAST LINE IN MSG AREA + 1
544	(220)	ADDRESS	4	DCMFLSCT	SCT FOR LAST LINE IN MSG AREA
548	(224)	ADDRESS	4	DCMFSCT1	SCT FOR LAST LINE IN MSG AREA + 1
552	(228)	ADDRESS	4	DCMFSSCT	SSCT FOR LAST LINE IN MSG AREA + 1
556	(22C)	ADDRESS	4	DCMFENT2	2ND LINE OF ENTRY AREA
560	(230)	ADDRESS	4	DCMFMCT1	MCT FOR LAST LINE IN MSG AREA + 1
564	(234)	ADDRESS	4	* (5)	RESERVED

Comment

ADDRESSES OF PARTS OF THE SCREEN IMAGE BUFFER
WHEN IN MESSAGE STREAM MODE

End of Comment

584	(248)	ADDRESS	4	DCMMLLA	LAST LINE IN MSG AREA
588	(24C)	ADDRESS	4	DCMMLL1A	LAST LINE IN MSG AREA + 1
592	(250)	ADDRESS	4	DCMMLSCT	SCT FOR LAST LINE IN MSG AREA
596	(254)	ADDRESS	4	DCMMSCT1	SCT FOR LAST LINE IN MSG AREA + 1
600	(258)	ADDRESS	4	DCMMSSCT	SSCT FOR LAST LINE IN MSG AREA + 1
604	(25C)	ADDRESS	4	DCMMMCT1	MCT FOR LAST LINE IN MSG AREA + 1
608	(260)	ADDRESS	4	* (1)	RESERVED

Comment

ADDRESSES OF PARTS OF THE SCREEN IMAGE BUFFER
WHEN IN STATUS DISPLAY MODE

End of Comment

612	(264)	ADDRESS	4	DCMDLLA	LAST LINE IN MSG AREA
616	(268)	ADDRESS	4	DCMDLL1A	LAST LINE IN MSG AREA + 1
620	(26C)	ADDRESS	4	DCMDLSCT	SCT FOR LAST LINE IN MSG AREA
624	(270)	ADDRESS	4	DCMDSCT1	SCT FOR LAST LINE IN MSG AREA + 1
628	(274)	ADDRESS	4	DCMDSSCT	SSCT FOR LAST LINE IN MSG AREA + 1
632	(278)	ADDRESS	4	DCMDMCT1	MCT FOR LAST LINE IN MSG AREA + 1
636	(27C)	ADDRESS	4	* (1)	RESERVED

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
	Miscellaneous Addresses/Fields				
				End of Comment	
640	(280)	ADDRESS	4	DCMLSSCT	ADDRESS OF LAST SSCT
644	(284)	ADDRESS	4	DCMAEORD	ADDR OF ADJUNCT EXTENDED ORDERS
648	(288)	ADDRESS	4	DCMQAPTR	ADDR OF DATA OBTAINED FROM READ PARTITION QUERY
652	(28C)	ADDRESS	4	DCMFIMCT	ADDRESS OF FIRST MCT
656	(290)	ADDRESS	4	DCMLAMCT	ADDRESS OF LAST MCT
660	(294)	ADDRESS	4	DCMOOL_SIB_PTR	ADDRESS OF OUT-OF-LINE SIB
664	(298)	ADDRESS	4	DCMOOL_FRST	POINTER TO FIRST LINE IN OOL SIB
668	(29C)	SIGNED	4	DCMIORTN_COMM	I/O ROUTINE COMMUNICATION FIELD
672	(2A0)	ADDRESS	4	* (2)	RESERVED
				Comment	
	NUMBER OF LINES IN MESSAGE AREA AND ENTRY AREA VALUES				
				End of Comment	
680	(2A8)	UNSIGNED	1	DCMFNLMA	MAX NUMBER LINES IN MSG AREA WHEN IN FULL CAPABILITY MODE
681	(2A9)	UNSIGNED	1	DCMMNLMA	MAX NUMBER LINES IN MSG AREA WHEN IN MESSAGE STREAM MODE
682	(2AA)	UNSIGNED	1	DCMDNLMA	MAX NUMBER LINES IN MSG AREA WHEN IN STATUS DISPLAY MODE
683	(2AB)	UNSIGNED	1	DCMENTL1	LINE NUMBER -1 OF 1ST LINE IN ENTRY AREA
684	(2AC)	UNSIGNED	1	DCMENTL2	LINE NUMBER -1 OF 2ND LINE IN ENTRY AREA
685	(2AD)	UNSIGNED	1	DCMINLNM	LINE NUMBER -1 OF INSTRUCTION LINE
686	(2AE)	SIGNED	2	*	RESERVED
688	(2B0)	SIGNED	2	DCMFENRC	ADDR OF 2ND LINE IN ENTRY AREA IN ROW-COLUMN FORMAT
690	(2B2)	SIGNED	2	DCMENTPO	OFFSET OF 1ST CHAR IN ENTRY AREA
692	(2B4)	SIGNED	2	DCMSCRW	WIDTH OF SCREEN
694	(2B6)	SIGNED	2	DCMLENTY	LENGTH OF ENTRY AREA
696	(2B8)	SIGNED	4	*	RESERVED
				Comment	
	Pointers for last command retrieve buffer.				
				End of Comment	
700	(2BC)	ADDRESS	4	DCMRBUFC	Pointer to next command to be executed by the enter function
704	(2C0)	ADDRESS	4	DCMRBUFA	Pointer to last command retrieve buffer
708	(2C4)	ADDRESS	4	DCMRBUFR	Pointer to next entry in last command buffer to be retrieved
712	(2C8)	ADDRESS	4	DCMRBUFE	Pointer to next entry in last command buffer to be copied into
716	(2CC)	ADDRESS	4	DCMRBFRC	Pointer to current entry in last command buffer used for retrieve function
720	(2D0)	CHARACTER	108	*	Reserved
				Comment	
	SAVE AREAS				
				End of Comment	
828	(33C)	SIGNED	4	DCMTLEN	TDCM LENGTH
832	(340)	CHARACTER	6	DCMAIDSV	SAVE AREA FOR AID FROM RMI
838	(346)	SIGNED	2	*	RESERVED
840	(348)	ADDRESS	4	DCMTRDCM	POINTER TO RDCM
844	(34C)	ADDRESS	4	DCMNXTOR	ADDR OF NEXT ADJUNCT EXTENDED ORDER

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
848	(350)	UNSIGNED	1	DCMCROW	CURRENT ROW NUMBER -1
849	(351)	UNSIGNED	1	DCMCCOL	CURRENT COL NUMBER -1
850	(352)	BITSTRING	1	DCMMFRMF	FULL CAPABILITY MFORM SAVEAREA
		1...		DCMMFRFT	DISPLAY TIME STAMP
		.1..		DCMMFRFJ	DISPLAY JOB NAME
		..1.		DCMMFRFS	DISPLAY SYSTEM NAME
		...1		DCMMFRFX	DON'T DISPLAY SYSTEM NAME AND JOB NAME
		 1111		*	RESERVED
851	(353)	CHARACTER	2	DCMDELFC	FULL CAPABILITY DEL SAVE
853	(355)	CHARACTER	1	DCMCONFC	FULL CAPABILITY CON SAVE
854	(356)	UNSIGNED	1	DCMSEGFC	FULL CAPABILITY SEG SAVE
855	(357)	UNSIGNED	1	DCMRNUMF	FULL CAPABILITY RNUM SAVE
856	(358)	UNSIGNED	2	DCMRTMEF	FULL CAPABILITY RTME SAVE IN TENTHS OF SECONDS
858	(35A)	BITSTRING	1	DCMMFRMM	MESSAGE STREAM MFORM SAVEAREA
		1...		DCMMFRMT	DISPLAY TIME STAMP
		.1..		DCMMFRMJ	DISPLAY JOB NAME
		..1.		DCMMFRMS	DISPLAY SYSTEM NAME
		...1		DCMMFRMX	DON'T DISPLAY SYSTEM NAME AND JOB NAME
		 1111		*	RESERVED
859	(35B)	CHARACTER	2	DCMDELMS	MESSAGE STREAM DEL SAVE
861	(35D)	CHARACTER	1	DCMCONMS	MESSAGE STREAM CON SAVE
862	(35E)	UNSIGNED	1	DCMSEGMS	MESSAGE STREAM SEG SAVE
863	(35F)	UNSIGNED	1	DCMRNUMM	MESSAGE STREAM RNUM SAVE
864	(360)	UNSIGNED	2	DCMRTMEM	MESSAGE STREAM RTME SAVE IN TENTHS OF SECONDS
866	(362)	SIGNED	2	DCMQALEN	LENGTH OF AREA TO HOLD READ PARTITION QUERY
868	(364)	SIGNED	2	DCMSTOFF	START OFFSET OF MULTIPLE COMMAND PARSE
870	(366)	SIGNED	2	DCMNDOFF	END OFFSET OF MULTIPLE COMMAND TEXT
872	(368)	UNSIGNED	1	DCMOOL_LINEN	LINE NUMBER OF START OF OOL TO WRITE
873	(369)	UNSIGNED	3	*	Reserved
876	(36C)	SIGNED	4	DCMOOL_BYTCT	NUMBER OF BYTES TO WRITE FOR AN OOL

Comment

THE DCMBUFER WORK AREA IS TO BE USED ON A MODULE-BY-MODULE BASIS
ONLY. THIS AREA MUST NOT BE USED AS A COMMUNICATION MEDIUM.
DOING SO WOULD DEFEAT THE PURPOSE OF GIVING THE DIDOCS
MODULES A SAFE WORK AREA.

End of Comment

880	(370)	CHARACTER	168	DCMBUFER	MODULE WORK AREA

Comment

MCS LOGON COMMUNICATIONS FIELDS

End of Comment

1048	(418)	BITSTRING	1	DCMBFLGS	MCS LOGON COMMUNICATIONS FLAGS@L8A
		1...		DCMWLGPR	GENERATE LOGON PROMPT
		.1..		DCMDIDLG	DIDOCS GENERATED LOGON
		..1.		DCMLGMSG	WRITE LOGON MESSAGE
		...1		DCMICUPW	INSERT CURSER UNDER PASSWORD
		.... 1...		DCMICUGP	INSERT CURSER UNDER GROUP
		.... .1..		DCMICUSC	INSERT CURSER UNDER SECCLASS
		11		*	RESERVED
1049	(419)	UNSIGNED	1	DCMEMTYP	ERROR MESSAGE TYPE
1050	(41A)	CHARACTER	8	DCMUSRID	USERID ENTERED WITH LOGON
1058	(422)	CHARACTER	26	DCMPWORD	PASSWORD ENTERED WITH LOGON
1084	(43C)	CHARACTER	8	DCMGROUP	GROUP ENTERED WITH LOGON
1092	(444)	CHARACTER	8	DCMSCCLS	SECCLASS ENTERED WITH LOGON

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
THE DCMWORK WORK AREA IS TO BE USED ON A MODULE-BY-MODULE BASIS ONLY. THIS AREA MUST NOT BE USED AS A COMMUNICATION MEDIUM. DOING SO WOULD DEFEAT THE PURPOSE OF GIVING THE DIDOCS MODULES A SAFE WORK AREA.					
				End of Comment	
1100	(44C)	CHARACTER	16	DCMWORK	MODULE WORK AREA
1100	(44C)	CHARACTER	4	DCMWORKA	WORK AREA A
1104	(450)	CHARACTER	4	DCMWORKB	WORK AREA A
1108	(454)	CHARACTER	4	DCMWORKC	WORK AREA A
1112	(458)	CHARACTER	4	DCMWORKD	WORK AREA A
				Comment	
DCMCSNM STORES THE COMMAND ASSOCIATION FOR MCS CONSOLE					
				End of Comment	
1116	(45C)	CHARACTER	8	DCMCSNM	COMMAND ASSOCIATION
				Comment	
CHANNEL PROGRAM AREA					
				End of Comment	
1124	(464)	CHARACTER	3	DCMPFKC	SBA-A1-A2 FOR PFK LINE
1124	(464)	CHARACTER	1	*	SET BUFFER ADDR
1125	(465)	CHARACTER	2	DCMPFKRC	ADDR OF PFK LINE IN ROW-COLUMN FORMAT
1127	(467)	CHARACTER	1	*	RESERVED to get to DWORD bdy
1128	(468)	CHARACTER	1	DCMWCC	WRITE CONTROL CHARACTER
1129	(469)	CHARACTER	1	DCMEWAWC	WRITE CONTROL CHARACTER FOR ERASE/WRITE ALTERNATE
1130	(46A)	CHARACTER	7	DCMERSDT	ERASE SCREEN DATA (SBA-A1-A2-RA-A1-A2-BLANK)
1137	(471)	CHARACTER	4	DCMCRSDT	INSERT CURSOR DATA (SBA-A1-A2-IC)
1141	(475)	CHARACTER	1	DCMWCC_RESTORE	WCC for restoring keyboard
1142	(476)	CHARACTER	2	*	RESERVED
1144	(478)	CHARACTER	8	DCMCCWS	SELECT CCW
				Comment	
DCMCHPGM is used for the CCWs for MCS consoles and Write Structured Fields (WSF) for SMCS consoles. This area must be large enough to contain enough CCWs or WSFs to write an entire screen of data. To calculate the number of CCWs or WSFs needed, the following calculation is used: ((Max Rows) (Max Cols))/(Device Buffer Size) IEECVFTW can build a TDCM that is 255 rows and 255 columns, however, since DIDOCS can only use 14-bit addressing, ((Max Rows) (Max Cols)) < 16384. If DIDOCS is ever able to support 16-bit addressing, these calculations will be invalid and must be recalculated. The Device Buffer Size is dependent on the type of console. For MCS consoles, a 7K buffer size is used to perform the calculations: ((Max Rows) (Max Cols))/(Device Buffer Size) 16383 / 7168 = 3 DCMCHPGM must be big enough to hold 2 CCWs.					

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
					For SMCS consoles, the Device Buffer Size is variable. It is based on the RU size, and is a minimum of 1K and a maximum of 4K. Using the 1K buffer size: ((Max Rows) (Max Cols))/(Device Buffer Size) 16383 / 1024 = 16 DCMCHPGM must be big enough to hold 15 WSFs. In reality, DCMCHPGM must be slightly larger, because these calculations only take into account the text that is actually written to the screen. There is other information that must also be written, such as the adjunct color orders. DCMCHPGM is actually large enough to hold 25 WSFs for SMCS consoles and 19 CCWs for MCS consoles.
					End of Comment
1152	(480)	CHARACTER	152	DCMCHPGM	CHANNEL PROGRAM AREA
1304	(518)	CHARACTER	2	DCMAAREA	CONVERSION AREA FOR A BUFFER POSITION
1304	(518)	CHARACTER	1	DCMROWA	ROW POSITION
1305	(519)	CHARACTER	1	DCMCOLA	COLUMN POSTION
1306	(51A)	CHARACTER	2	*	RESERVED
					Comment
					SNA MCS Fields
					End of Comment
1308	(51C)	ADDRESS	4	DCMS_WSFA_PTR	POINTER TO SMCS WSF AREA
1312	(520)	ADDRESS	4	DCMS_INAREA_PTR	POINTER TO INPUT AREA FOR MCS/SMCS
1316	(524)	ADDRESS	4	DCMS_WSFA_CURPTR	POINTER TO CURRENT WSF
1320	(528)	SIGNED	4	DCMS_WSFA_LEN	LENGTH OF WSF AREA
1324	(52C)	ADDRESS	4	DCMS_BLENTA_PTR	POINTER TO BUFFER LIST ENTRIES
1328	(530)	ADDRESS	4	DCMS_BLENT_CURPTR	POINTER TO CURRENT BUFFER LIST ENTRY
1332	(534)	SIGNED	4	DCMS_BLENT_LEN	LENGTH OF BUFFER LIST ENTRIES
1336	(538)	SIGNED	2	DCMS_REISSUE_CNT	NUMBER OF TIMES I/O RETRIED
					Comment
					DCMS_FLAGS must not contain flags that are used outside of IEECVET1's load module for serialization reasons. Flags that are used outside of IEECVET1 may be placed in DCMS_FLAGS2 instead.
					End of Comment
1338	(53A)	BITSTRING	1	DCMS_FLAGS	SMCS CONSOLE FLAGS
		1...		DCMS_RECV_ISSUED	A RECEIVE IS OUTSTANDING FOR THIS SMCS CONSOLE
		.1..		DCMS_RE_RECEIVE	Need to go to I/O routine to reissue RECEIVE
		..1.		DCMS_ERSET	WSF CONTAINS ERASE/RESET
		...1		DCMS_ETF_EXIT	I/O ROUTINE TO EXIT TO IEECVETF
		.... 1...		DCMS_LU2	LU2 TYPE OF DEVICE (AS OPPOSED TO LU0)
		.... .1..		DCMS_LOGON_PROMPT_IN_ENTRY_AREA	Logon prompt is currently in the entry area

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					The CONSOLE local lock must always be held when updating the DCMS_FLAGS2 byte. These flags may be referenced outside of IEECVET1.
					End of Comment
1339	(53B)	BITSTRING	1	DCMS_FLAGS2	SMCS CONSOLE FLAGS 2
		1...		DCMS_OUTPUT_SUSPENDED	SMCS output is suspended
		.1..		DCMS_NBB_REQUIRED	"IN BRACKET" STATE SO I/O MUST START WITH NBB (I.E., WE ARE IN THE MIDDLE OF BRACKETS)
1340	(53C)	ADDRESS	4	DCMS_MAX_WSF_LEN	Max size of a WSF
1344	(540)	ADDRESS	4	DCMS_RU_SIZE	RU Size from BIND
					Comment
					The following fields contain screen location information when the LOGON prompt is on the screen. It is used for SMCS consoles to put the response to the prompt back into the entry area. These fields are always calculated, but are only used by consoles that support the extended data stream.
					End of Comment
1348	(544)	ADDRESS	4	DCMS_UID_AREA	Ptr to Entry area for Userid
1352	(548)	BITSTRING	2	DCMS_UID_14BIT	14-Bit screen address of Userid
1354	(54A)	BITSTRING	2	DCMS_UID_12BIT	12-Bit screen address of Userid
1356	(54C)	ADDRESS	4	DCMS_PWRD_AREA	Ptr to Entry area for Paswrd
1360	(550)	BITSTRING	2	DCMS_PWRD_14BIT	14-Bit screen address of Password
1362	(552)	BITSTRING	2	DCMS_PWRD_12BIT	12-Bit screen address of Password
1364	(554)	ADDRESS	4	DCMS_GRP_AREA	Ptr to Entry area for Group
1368	(558)	BITSTRING	2	DCMS_GRP_14BIT	14-Bit screen address of Group
1370	(55A)	BITSTRING	2	DCMS_GRP_12BIT	12-Bit screen address of Group
1372	(55C)	ADDRESS	4	DCMS_SECC_AREA	Ptr to Entry area for SecCls
1376	(560)	BITSTRING	2	DCMS_SECC_14BIT	14-Bit screen address of SecClass
1378	(562)	BITSTRING	2	DCMS_SECC_12BIT	12-Bit screen address of SecClass
1380	(564)	ADDRESS	4	DCMS_UID_PMPT	Address of LOGON text in entry area
1384	(568)	ADDRESS	4	DCMS_PWRD_PMPT	Address of PASSWORD text in entry area
1388	(56C)	ADDRESS	4	DCMS_GRP_PMPT	Address of GROUP text in entry area
1392	(570)	ADDRESS	4	DCMS_SECC_PMPT	Address of SECLABEL text in entry area
1396	(574)	ADDRESS	4	DCMS_CHGM_PMPT	Address of OLD/NEW/NEW text in entry area
1400	(578)	UNSIGNED	1	DCM_UID_TEXT	Offset within the entry area of LOGON text
1401	(579)	UNSIGNED	1	DCM_UID_COL	Offset within the entry area of the userid field

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
1402	(57A)	UNSIGNED	1	DCM_PWRD_TEXT	Offset within the entry area of PASSWORD text
1403	(57B)	UNSIGNED	1	DCM_PWRD_COL	Offset within the entry area of the password field
1404	(57C)	UNSIGNED	1	DCM_CHGM_TEXT	Offset within the entry area of the OLD/NEW/NEW text
1405	(57D)	UNSIGNED	1	DCM_GRP_TEXT	Offset within the entry area of the GROUP text
1406	(57E)	UNSIGNED	1	DCM_GRP_COL	Offset within the entry area of the group field
1407	(57F)	UNSIGNED	1	DCM_GRP_END	Offset within the entry area of the end of the group field (this is used to set the attributes at the end of the field, since GROUP and SECLABEL are not always on the same line
1408	(580)	UNSIGNED	1	DCM_SECC_TEXT	Offset within the entry area of the SECLABEL text
1409	(581)	UNSIGNED	1	DCM_SECC_COL	Offset within the entry area of the secclass field
1410	(582)	UNSIGNED	1	DCM_REST_COL	Offset within the entry area of the end of the secclass field. This is used to set up the attributes of the rest of the entry area
1411	(583)	UNSIGNED	1	DCM_UID_E_COL	Offset within the entry area of the cursor position for the userid field
1412	(584)	UNSIGNED	1	DCM_PWRD_E_COL	Offset within the entry area of the cursor position for the password field
1413	(585)	UNSIGNED	1	DCM_GRP_E_COL	Offset within the entry area of the cursor position for the group field
1414	(586)	UNSIGNED	1	DCM_GRPEND_E_COL	Offset within the entry area of the end of the group field. This is used to set the attributes of the SECLABEL text.
1415	(587)	UNSIGNED	1	DCM_SECC_E_COL	Offset within the entry area of the cursor position for the secclas field
1416	(588)	UNSIGNED	1	DCM_REST_E_COL	Offset within the entry area of the end of the secclass field. This is used to set the attributes of the remainder of the entry area
1417	(589)	UNSIGNED	1	DCM_PWRD_E_TEXT	Offset within the entry area of the PASSWORD text used for setting the attributes of that text
1418	(58A)	UNSIGNED	1	DCM_GRP_E_TEXT	Offset within the entry area of the GROUP text used for setting the attributes of that text
1419	(58B)	UNSIGNED	1	DCM_CHGM_E_TEXT	Offset within the entry area of the OLD/NEW/NEW text used for setting the attributes of that text
1420	(58C)	UNSIGNED	1	DCM_SECC_E_TEXT	Offset within the entry area of the SECLABEL text used for setting the attributes of that text
1421	(58D)	CHARACTER	3	*	Reserved

Comment

SENSE code trace for SMCS consoles.

End of Comment

1424	(590)	CHARACTER	72	DCMS_SENSE_TRACE	SENSE code trace
1424	(590)	CHARACTER	12	*	Oldest trace entry
1436	(59C)	CHARACTER	60	DCMS_SENSE_TRACE_2_MOVE	Portion of trace to copy when adding to the table
1436	(59C)	CHARACTER	48	*	
1484	(5CC)	CHARACTER	12	DCMS_LAST_SENSE	Newest SENSE trace entry
1496	(5D8)	CHARACTER	0	*	END ON WORD BOUNDARY

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	DCMSCTA	
0	(0)	BITSTRING	1	DCMSCTA1	FIRST BYTE OF AN SCT
		1...		DCMMSGOR	WTOR MESSAGE DISPLAYED
		.1..		DCMMSGIN	MESSAGE DISPLAYED IN LINE
		..1.		DCMMSGCN	MESSAGE CONTINUED ON NEXT NEXT LINE
		...1		*	Reserved - Was DCMMSGJK
		.... 1...		DCMMSGAD	MESSAGE CAN BE AUTO DELETED
		.... .1..		DCMMSGRD	REQUEST HAS SPECIFIED MESSAGE BE REMOVED
		.... ..1.		DCMMSGIF	INFORMATIONAL MESSAGE IN LINE
		1		DCMMSGST	END OF TABLE INDICATOR

Comment

SECOND BYTE OF AN SCT

End of Comment

1	(1)	BITSTRING	1	DCMSCTA2	SECOND BYTE OF AN SCT
		1...		DCMMSGAC	ACTION MESSAGE
		.1..		DCMMSGC7	DESCRIPTOR CODE 7 MESSAGE
		..1.		DCMMSGR2	RESERVED - WAS DCMMSGDM
		...1		DCMMSGUA	URGENT ATTENTION MESSAGE DISPLAYED IN LINE
		.... 1...		DCMMSGEA	EVENTUAL ACTION MESSAGE DISPLAYED IN LINE - WAS DCMMSGIR
		.... .1..		DCMMSGCT	THIS IS A CONTINUED LINE
		.... ..1.		DCMMSGPP	ISSUED BY PROBLEM PROGRAM
		1		DCMMSGCL	CONTROL LINE OF AN IN-LINE MLWTO

Comment

THIRD BYTE OF AN SCT

End of Comment

2	(2)	BITSTRING	1	DCMSCTA3	THIRD BYTE OF AN SCT
		1...		*	Reserved
		.1..		DCMSEPLN	Separator line is in this line
		..11 1111		*	Reserved

Comment

FOURTH BYTE OF AN SCT

End of Comment

3	(3)	BITSTRING	1	DCMSCTA4	FOURTH BYTE OF AN SCT
		1...		DCMMSGCO	MESSAGE COLOR CHANGED BY WTO EXIT
		.1..		DCMMSGHI	MESSAGE HIGHLIGHTING CHANGED BY WTO EXIT
		..1.		DCMMSGIT	MESSAGE INTENSITY CHANGED BY WTO EXIT

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	2	DCMSCTC	
0	(0)	BITSTRING	1	DCMSCTC1	FIRST BYTE OF AN SSCT
		1...		DCMSECCL	CONTROL LINE OF O-O-L DISPLAY
		.1..		DCMSECLL	LABEL LINE OF O-O-L DISPLAY
		..1.		DCMSECDL	DATA LINE OF O-O-L DISPLAY
		...1		DCMSECBL	THIS LINE IS BLANKED
		.... 1...		DCMSEC_NEEDS_REFORMAT	Line needs to be reformatted before being displayed. Set for a control line when it is first placed in SIB. Once reformatted and displayed, this bit will not be on
		.... .1..		*	RESERVED - WAS DCMSECYY
		.... ..1.		DCMSECDD	LINE RESERVED FOR DYNAMIC DISPLAY
		1		DCMSECST	END OF TABLE INDICATOR

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
Comment					
SECOND BYTE OF AN SSCT ENTRY					
End of Comment					
1	(1)	BITSTRING	1	DCMSCTC2	SECOND BYTE OF AN SSCT

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	11	DCMORDER	EXTENDED ORDERS
0	(0)	CHARACTER	3	DCMSBAO	SET BUFFER ADDRESS FIELD
0	(0)	UNSIGNED	1	DCMSBA	SET BUFFER ADDRESS ORDER
1	(1)	UNSIGNED	1	DCMSBAA1	SET BUFFER ADDRESS ROW ADDR
2	(2)	UNSIGNED	1	DCMSBAA2	SET BUFFER ADDRESS COL ADDR
3	(3)	CHARACTER	8	DCMSFEO	START FIELD EXTENDED FIELD
3	(3)	UNSIGNED	1	DCMSFE	START FIELD EXTENDED ORDER
4	(4)	UNSIGNED	1	DCMSFEN	NUMBER OF TYPE/VALUE PAIRS WHICH FOLLOW
5	(5)	UNSIGNED	1	DCMSFEFT	FIELD ATTRIBUTE TYPE
6	(6)	UNSIGNED	1	DCMSFEFA	FIELD ATTRIBUTE VALUE
7	(7)	UNSIGNED	1	DCMSFECT	COLOR ATTRIBUTE TYPE
8	(8)	UNSIGNED	1	DCMSFECA	COLOR ATTRIBUTE VALUE
9	(9)	UNSIGNED	1	DCMSFEHT	HIGHLIGHTING ATTRIBUTE TYPE
10	(A)	UNSIGNED	1	DCMSFEHA	HIGHLIGHTING ATTRIBUTE VALUE

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
3	(3)	STRUCTURE	7	DCMSAO	SET ATTRIBUTE FIELD
3	(3)	UNSIGNED	1	DCMSA1	SET ATTRIBUTE ORDER
4	(4)	UNSIGNED	1	DCMSAHT	HIGHLIGHTING ATTRIBUTE TYPE
5	(5)	UNSIGNED	1	DCMSAHA	HIGHLIGHTING ATTRIBUTE VALUE
6	(6)	CHARACTER	1	DCMSADAT	DATA TO HIGHLIGHT
7	(7)	UNSIGNED	1	DCMSA2	SET ATTRIBUTE ORDER
8	(8)	UNSIGNED	2	DCMSARST	CHARACTER ATTRIBUTE RESET

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	18	DCMDOMEN	MAP OF A DOM ENTRY
0	(0)	ADDRESS	4	DCMDTCB	JOBSTEP TCB ADDRESS
4	(4)	CHARACTER	4	DCMDOMID	FOUR BYTE DOM ID
4	(4)	UNSIGNED	1	DCMDSYID	SYSTEM ID
5	(5)	CHARACTER	3	DCMDMID	DOM ID
8	(8)	CHARACTER	6	DCMDTKAS	TOKEN AND ASID
8	(8)	CHARACTER	4	DCMDTOKN	DOM TOKEN
12	(C)	UNSIGNED	2	DCMDASID	ASID
14	(E)	CHARACTER	4	DCMDRSVD	RESERVED

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	136	DCMRBUF	Map of a command retrieve buffer entry
0	(0)	ADDRESS	4	DCMRBUFF	Pointer to next command retrieve buffer entry
4	(4)	ADDRESS	4	DCMRBUFB	Pointer to previous command retrieve buffer entry
8	(8)	CHARACTER	126	DCMRBUFT	Command text
134	(86)	CHARACTER	2	*	Reserved

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	DCMMCTEN	
0	(0)	BITSTRING	1	DCMMCTCO	FIRST BYTE OF A MCT ENTRY
		1...		DCMBLUE	MESSAGE COLOR IS BLUE
		.1..		DCMRED	MESSAGE COLOR IS RED
		..1.		DCMPINK	MESSAGE COLOR IS PINK
		...1		DCMGREEN	MESSAGE COLOR IS GREEN
		.... 1...		DCMTURQ	MESSAGE COLOR IS TURQUOISE
		.... .1..		DCMYELOW	MESSAGE COLOR IS YELLOW
		.... ..1.		DCMWHITE	MESSAGE COLOR IS WHITE
		1		DCMMCTST	TABLE STOPPER

Comment

SECOND BYTE OF A MCT

End of Comment

1	(1)	BITSTRING	1	DCMMCTHI	SECOND BYTE OF A MCT ENTRY
		1...		DCMHNONE	NO HIGHLIGHTING IN EFFECT
		.1..		DCMBLINK	BLINKING HIGHLIGHTING
		..1.		DCMRVIDO	REVERSE VIDEO HIGHLIGHT
		...1		DCMUNDER	UNDERLINE HIGHLIGHT

Comment

THIRD BYTE OF A MCT

End of Comment

2	(2)	BITSTRING	1	DCMMCTIN	THIRD BYTE OF A MCT
		1...		DCMINORM	NORMAL INTENSITY
		.1..		DCMIHIGH	HIGH INTENSITY

Comment

FOURTH BYTE OF A MCT

End of Comment

3	(3)	BITSTRING	1	DCMMCTRV	FOURTH BYTE OF A MCT

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	264	DCMS_INAREA	INPUT AREA
0	(0)	CHARACTER	6	DCMS_ORDERS	3270 ORDERS ON INPUT
0	(0)	CHARACTER	1	DCMS_AID	ATTENTION ID
1	(1)	CHARACTER	2	DCMS_CURSOR	CURSOR ADDRESS
3	(3)	CHARACTER	1	DCMS_SBA	SET BUFFER ADDRESS ORDER
4	(4)	CHARACTER	2	DCMS_MODADDR	ADDRESS OF MODIFIED FIELD
6	(6)	CHARACTER	256	DCMS_ENTRYAR	ENTRY AREA FOR MCS/SMCS CONSOLES. HAS TO BE LARGE ENOUGH TO HANDLE LARGEST 1 LINE ENTRY AREA (255 COLUMNS) OR 2 LINE ENTRY AREA (128 COLUMNS PER LINE)
262	(106)	CHARACTER	2	*	FORCE ALIGNMENT
264	(108)	CHARACTER	0	*	BOUNDARY ALIGNMENT

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	7	DCMS_WSFAREA	WSF AREA
0	(0)	CHARACTER	1	DCMS_WSF_ID	WSF ID
1	(1)	CHARACTER	6	DCMS_WSF	3270 WRITE STRUCTURED FIELD
1	(1)	CHARACTER	2	DCMS_WSF_LEN	LENGTH OF WSF AND DATA
3	(3)	CHARACTER	2	DCMS_WSF_OPERATION	

TDCM Constants

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Values are: 4000 - 3270 data stream request 0380 - Erase/Reset screen and put device in alternate screen size
5	(5)	CHARACTER	1	DCMS_WSF_CMDCODE	COMMAND CODES (EWA, WRITE ETC)
6	(6)	CHARACTER	1	DCMS_WSF_WCC	WRITE CONTROL CHARACTER

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
1484	(5CC)	STRUCTURE	12	DCMS_SENSE	Sense trace entry
1484	(5CC)	CHARACTER	2	DCMS_SENSE_RTNCD	RTNCD from RPL
1486	(5CE)	CHARACTER	2	DCMS_SENSE_FDBK2	FDBK2 from RPL
1488	(5D0)	CHARACTER	2	DCMS_SENSE_SSENSEI	System Sense
1490	(5D2)	CHARACTER	2	DCMS_SENSE_SSENSMI	System Sense Modifier
1492	(5D4)	CHARACTER	4	DCMS_SENSE_USENSEI	User Sense

TDCM Constants

Len	Type	Value	Name	Description
			Comment	
			CONTROL BLOCK VERSIONS - POSSIBLE VALUES OF DCMTVERN	
			End of Comment	
1	DECIMAL	6	DCMTVRID	Current Version level
1	DECIMAL	1	DCMTSP21	OS/VS2 HBB2102 LEVEL
1	DECIMAL	2	DCMTS212	OS/VS2 JBB2125 LEVEL
1	DECIMAL	3	DCMTS220	OS/VS2 JBB2220 LEVEL
1	DECIMAL	6	DCMTS713	JBB7713 Version Level
			Comment	
			The following constants are the lengths of each field (including trailing blanks) and are used to calculate the screen positions of all of the fields.	
			End of Comment	
1	DECIMAL	6	DCM_LENGTH_UID_TEXT	Length of LOGON text
1	DECIMAL	9	DCM_LENGTH_PWRD_TEXT	Length of PASSWORD text
1	DECIMAL	12	DCM_LENGTH_CHGM_TEXT	Length of OLD/NEW/NEW text
1	DECIMAL	6	DCM_LENGTH_GRP_TEXT	Length of GROUP text
1	DECIMAL	9	DCM_LENGTH_SECC_TEXT	Length of SECLABEL text
1	DECIMAL	9	DCM_LENGTH_UID_FIELD	Length of userid field
1	DECIMAL	27	DCM_LENGTH_PWRD_FIELD	Length of password field
1	DECIMAL	9	DCM_LENGTH_GRP_FIELD	Length of group field
1	DECIMAL	9	DCM_LENGTH_SECC_FIELD	Length of secclass field
4	DECIMAL	136	DCMRBFLN	Length of command retrieve buffer entry
4	DECIMAL	18	DCMDOMLN	Length of DOM entry

Len	Type	Value	Name	Description
4	DECIMAL	264	DCMS_INAREA_LEN	LENGTH OF INPUT AREA

TDCM Cross Reference

Name	Hex Offset	Hex Value
DCM_BUFFER_2_ENTRY_NEEDED	11C	01
DCM_CHGM_E_TEXT	58B	
DCM_CHGM_TEXT	57C	
DCM_GRP_COL	57E	
DCM_GRP_E_COL	585	
DCM_GRP_E_TEXT	58A	
DCM_GRP_END	57F	
DCM_GRP_TEXT	57D	
DCM_GRPEND_E_COL	586	
DCM_PWRD_COL	57B	
DCM_PWRD_E_COL	584	
DCM_PWRD_E_TEXT	589	
DCM_PWRD_TEXT	57A	
DCM_REISSUE_IO	11C	02
DCM_REST_COL	582	
DCM_REST_E_COL	588	
DCM_SECC_COL	581	
DCM_SECC_E_COL	587	
DCM_SECC_E_TEXT	58C	
DCM_SECC_TEXT	580	
DCM_UID_COL	579	
DCM_UID_E_COL	583	
DCM_UID_TEXT	578	
DCMAAREA	518	
DCMADCHP	48	
DCMADDRL	2C	
DCMADMOD	134	
DCMADNUM	FA	
DCMADOPN	54	
DCMADSEC	28	
DCMAE	129	01
DCMAENTR	40	
DCMAEORD	284	
DCMAIDSV	340	
DCMAINS	3C	
DCMAMTAB	24	
DCMASBA	127	10
DCMASCRN	30	
DCMASDA	127	40
DCMASEWA	127	08
DCMASIN	127	20
DCMASKCL	210	
DCMASKCN	209	
DCMASKCR	20A	
DCMASKEN	208	
DCMASKLP	20B	
DCMASYCD	12C	01
DCMASYNC	127	
DCMASYRT	12C	02
DCMATI	5	
DCMAWARN	44	
DCMAXLGN	FC	
DCMBADLN	F6	
DCMBAINC	F2	
DCMBFLGS	418	
DCMBLENT	122	80
DCMBLINK	1	40
DCMBLUE	0	80
DCMBLWRL	122	40
DCMBLWRR	122	20
DCMBUFER	370	
DCMBYTCT	F8	
DCMCANCL	128	01
DCMCCOL	351	
DCMCCWS	478	
DCMCDLR1	12D	40
DCMCDLR2	12D	20
DCMCDLR3	12D	10
DCMCDLR4	12D	08
DCMCDLR5	12D	04
DCMCDSP3	12A	80
DCMCHOPT	12B	10
DCMCHPGM	480	
DCMCILLP	12C	08
DCMCLEAR	128	02
DCMCMRLL	12D	80
DCMCMSG1	12B	
DCMCMSG2	12C	
DCMCMSG3	12D	
DCMCMSG4	12E	
DCMCM2I	129	80
DCMCOLA	519	
DCMCOMAR	129	20
DCMCOMAU	128	10
DCMCOMNM	128	04
DCMCOMRD	128	08
DCMCOMRM	128	20
DCMCOM1	128	
DCMCOM2	129	
DCMCOM3	12A	
DCMCOM4	130	
DCMCON	10C	
DCMCONFC	355	
DCMCONMS	35D	
DCMCORLN	104	
DCMCQUED	123	02
DCMCROW	350	
DCMCRSDT	471	
DCMCS	11C	
DCMCSC	11C	80
DCMCSNM	45C	

Name	Hex Offset	Hex Value
DCMCSO	11C	40
DCMCULNO	125	
DCMCVBIN	14	
DCMCXSVE	50	
DCMDASID	C	
DCMDEL	10A	
DCMDELFC	353	
DCMDELMS	35B	
DCMDELNT	12B	02
DCMDELRI	12C	04
DCMDIDLG	418	40
DCMDL	10E	
DCMDLLA	264	
DCMDLL1A	268	
DCMDLREQ	12C	80
DCMDLSCT	26C	
DCMDMCT1	278	
DCMDMID	5	
DCMDNLMA	2AA	
DCMDOMEN	0	
DCMDOMID	4	
DCMDOMPK	20	
DCMDORMI	121	80
DCMDRSVD	E	
DCMDSAUT	11E	04
DCMDSAV	58	
DCMDSCT1	270	
DCMDSSCT	274	
DCMDSTAT	11E	
DCMDSTNH	11E	10
DCMDSTNM	11E	20
DCMDSYID	4	
DCMDTBSY	12D	01
DCMDTCB	0	
DCMDTKAS	8	
DCMDTOKN	8	
DCMDUSE	11F	80
DCMELONG	12B	08
DCMEMTYP	419	
DCMENTL1	2AB	
DCMENTL2	2AC	
DCMENTPO	2B2	
DCMERASE	122	04
DCMERPF	129	08
DCMERSDT	46A	
DCMEWAND	123	20
DCMEWASP	120	01
DCMEWAWC	469	
DCMFENRC	2B0	
DCMFENT2	22C	
DCMFIMCT	28C	
DCMFLG1	4	
DCMFLLA	218	
DCMFLL1A	21C	
DCMFLSCT	220	
DCMFMCT1	230	
DCMFNLMA	2A8	
DCMFRSCN	120	20
DCMFSCT1	224	
DCMFSSCT	228	
DCMGFLG	F	
DCMGREEN	0	10
DCMGROUP	43C	
DCMHNONE	1	80
DCMHOLD	F	80

Name	Hex Offset	Hex Value
DCMICUGP	418	08
DCMICUPW	418	10
DCMICUSC	418	04
DCMIHIGH	2	40
DCMINERR	120	02
DCMINLGN	6C	
DCMINLNM	2AD	
DCMINNOR	120	04
DCMINORM	2	80
DCMINPUT	70	
DCMINSC	121	01
DCMINSSH	122	10
DCMINVLD	12F	40
DCMINVOP	12C	10
DCMIOCM1	121	
DCMIOCM2	122	
DCMIOCM3	123	
DCMIOCRD	122	02
DCMIONDX	131	
DCMIOPRD	128	40
DCMIORTN	134	
DCMIORTN_COMM	29C	
DCMIOUNQ	120	
DCMISRPQ	11C	20
DCMKPROC	123	01
DCMKRPIP	12E	02
DCMLAMCT	290	
DCMLENTY	2B6	
DCMLGMSG	418	20
DCMLGNTH	F0	
DCMLINEN	124	
DCMLNCNT	C	
DCMLNNUM	E	
DCMLPENT	128	80
DCMLSCRN	34	
DCMLSSCT	280	
DCMMCSFL	6E	
DCMMCSST	11F	
DCMMCTCN	116	
DCMMCTCO	0	
DCMMCTEN	0	
DCMMCTHI	1	
DCMMCTIN	2	
DCMMCTRV	3	
DCMMCTST	0	01
DCMMFRFJ	352	40
DCMMFRFS	352	20
DCMMFRFT	352	80
DCMMFRFX	352	10
DCMMFRMF	352	
DCMMFRMJ	35A	40
DCMMFRMM	35A	
DCMMFRMS	35A	20
DCMMFRMT	35A	80
DCMMFRMX	35A	10
DCMMLLA	248	
DCMMLL1A	24C	
DCMMLSCT	250	
DCMMMCT1	25C	
DCMMNLMA	2A9	
DCMMSCT1	254	
DCMMSGAC	1	80
DCMMSGAD	0	08
DCMMSGAL	FE	

Name	Hex Offset	Hex Value
DCMMSGCL	1	01
DCMMSGCN	0	20
DCMMSGCO	3	80
DCMMSGCR	12C	20
DCMMSGCT	1	04
DCMMSGC7	1	40
DCMMSGEA	1	08
DCMMSGHI	3	40
DCMMSGIF	0	02
DCMMSGIN	0	40
DCMMSGIT	3	20
DCMMSGOR	0	80
DCMMSGPP	1	02
DCMMSGRD	0	04
DCMMSGR2	1	20
DCMMSGST	0	01
DCMMSGUA	1	10
DCMMSGWT	12B	80
DCMMSSCT	258	
DCMMWISS	F	40
DCMMYCMD	12F	80
DCMNCLN	184	
DCMNCMD1	14C	
DCMNDEL1	150	
DCMNDEL2	154	
DCMNDEL3	158	
DCMNDEL4	15C	
DCMNDOFF	366	
DCMNDSP1	140	
DCMNDSP2	144	
DCMNDSP3	148	
DCMNERRO	16C	
DCMNINT2	194	
DCMNINT3	198	
DCMNINT5	1A0	
DCMNINT6	1A4	
DCMNLPCR	17C	
DCMNMODS	138	
DCMNMSG1	170	
DCMNMSG2	174	
DCMNMSG3	178	
DCMNOPCL	180	
DCMNOPT1	160	
DCMNPFKT	12E	08
DCMNPFK1	164	
DCMNPFK2	168	
DCMNPROC	13C	
DCMNTIMR	18C	
DCMNXTOR	34C	
DCMOACRO	0	
DCMOCTTI	18	02
DCMOLHLD	12A	02
DCMOLUNV	12A	08
DCMOOL_BYTCT	36C	
DCMOOL_FRST	298	
DCMOOL_LINEN	368	
DCMOOL_REFRESH	123	80
DCMOOL_SIB_PTR	294	
DCMOOL_WRITE	122	08
DCMOOMSS	11F	04
DCMOOSDS	11F	01
DCMOPRLL	11B	10
DCMOPTAD	11B	40
DCMOPTSG	11B	20
DCMOPTST	11B	
DCMOPTTI	18	40
DCMOPTVR	11B	80
DCMORDER	0	
DCMOTTMM	18	10
DCMOUTPT	4	02
DCMPACK	10	
DCMPFKAT	123	08
DCMPFKC	464	
DCMPFKIP	12E	10
DCMPFKKN	109	
DCMPFKLN	4C	
DCMPFKNA	12E	80
DCMPFKND	12E	40
DCMPFKNM	108	
DCMPFKNO	12E	20
DCMPFKRC	465	
DCMPINK	0	20
DCMPOSCU	126	
DCMPWORD	422	
DCMQALEN	362	
DCMQAPTR	288	
DCMRBFRC	2CC	
DCMRBUF	0	
DCMRBUFA	2C0	
DCMRBUFB	4	
DCMRBUFC	2BC	
DCMRBUFE	2C8	
DCMRBUFF	0	
DCMRBUFR	2C4	
DCMRBUFT	8	
DCMRDARM	120	10
DCMRDPFK	123	04
DCMRDRPQ	11C	10
DCMRED	0	40
DCMREPLC	129	10
DCMRETIO	11C	08
DCMRMINC	100	
DCMRMTTI	18	01
DCMRNUM	10F	
DCMRNUMD	113	
DCMRNUMF	357	
DCMRNUMM	35F	
DCMROWA	518	
DCMRQINC	12C	40
DCMRTME	110	
DCMRTMED	114	
DCMRTMEF	358	
DCMRTMEM	360	
DCMRTPFK	12A	40
DCMRVIDO	1	20
DCMS_AID	0	
DCMS_BLENT_CURPTR	530	
DCMS_BLENT_LEN	534	
DCMS_BLENTA_PTR	52C	
DCMS_CHGM_PMPT	574	
DCMS_CURSOR	1	
DCMS_ENTRYAR	6	
DCMS_ERSET	53A	20
DCMS_ETF_EXIT		

Name	Hex Offset	Hex Value
	53A	10
DCMS_FLAGS	53A	
DCMS_FLAGS2	53B	
DCMS_GRP_AREA		
	554	
DCMS_GRP_PMPT		
	56C	
DCMS_GRP_12BIT		
	55A	
DCMS_GRP_14BIT		
	558	
DCMS_INAREA	0	
DCMS_INAREA_PTR		
	520	
DCMS_LAST_SENSE		
	5CC	
DCMS_LOGON_PROMPT_IN_ENTRY_AREA		
	53A	04
DCMS_LU2	53A	08
DCMS_MAX_WSF_LEN		
	53C	
DCMS_MODADDR	4	
DCMS_NBB_REQUIRED		
	53B	40
DCMS_ORDERS	0	
DCMS_OUTPUT_SUSPENDED		
	53B	80
DCMS_PWRD_AREA		
	54C	
DCMS_PWRD_PMPT		
	568	
DCMS_PWRD_12BIT		
	552	
DCMS_PWRD_14BIT		
	550	
DCMS_RE_RECEIVE		
	53A	40
DCMS_RECV_ISSUED		
	53A	80
DCMS_REISSUE_CNT		
	538	
DCMS_RU_SIZE	540	
DCMS_SBA	3	
DCMS_SECC_AREA		
	55C	
DCMS_SECC_PMPT		
	570	
DCMS_SECC_12BIT		
	562	
DCMS_SECC_14BIT		
	560	
DCMS_SENSE	5CC	
DCMS_SENSE_FDBK2		
	5CE	
DCMS_SENSE_RTNCD		
	5CC	
DCMS_SENSE_SSENSEI		
	5D0	
DCMS_SENSE_SSENSMI		
	5D2	
DCMS_SENSE_TRACE		
	590	
DCMS_SENSE_TRACE_2_MOVE		
	59C	
DCMS_SENSE_USENSEI		
	5D4	
DCMS_UID_AREA		
	544	
DCMS_UID_PMPT		
	564	
DCMS_UID_12BIT		
	54A	
DCMS_UID_14BIT		
	548	
DCMS_WSF	1	
DCMS_WSF_CMDCODE		
	5	
DCMS_WSF_ID	0	
DCMS_WSF_LEN	1	
DCMS_WSF_OPERATION		
	3	
DCMS_WSF_WCC	6	
DCMS_WSFA_CURPTR		
	524	
DCMS_WSFA_LEN		
	528	
DCMS_WSFA_PTR		
	51C	
DCMS_WSFAREA	0	
DCMSADAT	6	
DCMSADCN	218	
DCMSAHA	5	
DCMSAHT	4	
DCMSAO	3	
DCMSARST	8	
DCMSA1	3	
DCMSA2	7	
DCMSBA	0	
DCMSBAA1	1	
DCMSBAA2	2	
DCMSBAO	0	
DCMSCCLS	444	
DCMSCRW	2B4	
DCMSCTA	0	
DCMSCTA1	0	
DCMSCTA2	1	
DCMSCTA3	2	
DCMSCTA4	3	
DCMSCTC	0	
DCMSCTCN	102	
DCMSCTC1	0	
DCMSCTC2	1	
DCMSEC_NEEDS_REFORMAT		
	0	08
DCMSECBL	0	10
DCMSECCL	0	80
DCMSECDD	0	02
DCMSECDL	0	20
DCMSECLL	0	40
DCMSECST	0	01
DCMSEG	10D	
DCMSEGDF	112	
DCMSEGFC	356	
DCMSEGMS	35E	
DCMSEPLN	2	40
DCMSFE	3	
DCMSFECA	8	
DCMSFECT	7	
DCMSFEFA	6	
DCMSFEFT	5	

Name	Hex Offset	Hex Value
DCMSFEHA	A	
DCMSFEHT	9	
DCMSFEN	4	
DCMSFEO	3	
DCMSKPA1	211	
DCMSKPA3	212	
DCMSKPF1	20C	
DCMSKPF2	20D	
DCMSKPF3	20E	
DCMSKPF4	20F	
DCMSKSRQ	213	
DCMSOUND	121	40
DCMSPLIT	129	40
DCMSSCTL	F4	
DCMSTEX	12B	20
DCMSTOFF	364	
DCMSTRT	0	
DCMSVC34	12F	
DCMSWAPT	11C	04
DCMTABND	12E	04
DCMTASYN	18	04
DCMTEST	132	
DCMTEST1	11D	02
DCMTEST2	11D	01
DCMTIMER	18	80
DCMTIMES	18	
DCMTLEN	33C	
DCMTRACE	1AC	
DCMTRAC2	1AE	
DCMTRDCM	348	
DCMTREN	206	
DCMTREN1	206	
DCMTREN2	207	
DCMTURQ	0	08
DCMTVERN	19	
DCMTYPE1	12F	20
DCMUNDER	1	10
DCMUNMSG	12B	40
DCMUSRID	41A	
DCMUTILA	11D	80
DCMUTILB	11D	40
DCMUTILC	11D	20
DCMUTILD	11D	10
DCMUTILE	11D	08
DCMUTILF	11D	04
DCMUTILT	11D	
DCMVLPFK	12A	20
DCMWCC	468	
DCMWCC_RESTORE	475	
DCMWHITE	0	02
DCMWLGPR	418	80
DCMWORK	44C	
DCMWORKA	44C	
DCMWORKB	450	
DCMWORKC	454	
DCMWORKD	458	
DCMWQEXP	6C	
DCMWRASY	122	01
DCMWRCDL	12B	04
DCMWRENT	121	02
DCMWRINS	121	04
DCMWRMSG	121	10
DCMWRPAR	121	08
DCMWRPFK	123	10
DCMWRWRN	121	20
DCMWTBUF	38	
DCMWTINT	8	
DCMW2250	120	08
DCMXINT1	12A	10
DCMYELOW	0	04

TEXTUNIT Heading Information

Common Name: Dynamic Allocation Text Unit Pointer List
Macro ID: IEFZB4D1
DSECT Name: TXTUPLST, TXTUPELM, TEXTUNIT, TEXTUFLD
Owning Component: Allocation/Unallocation (SC1B4)
Eye-Catcher ID: N/A
Offset: N/A
Storage Attributes: Subpool: N/A
Key: N/A
Residency: N/A
Size: 18 bytes
Created by: Caller of SVC 99
Pointed to by: S99TXTPP of SVC 99 parameter list
Serialization: N/A
Function: Provides mapping for text unit pointer list.

TEXTUNIT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	4	TXTUPLST (*)	TEXT UNIT POINTER LIST
0	(0)	ADDRESS	4	TXTUNITP	TEXT UNIT POINTER
		1...		TXTUPEND	ON FOR LAST TEXT UNIT PTR

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	4	TXTUPELM	ONE ELEMENT IN TEXT UNIT POINTER LIST
0	(0)	ADDRESS	4	TXTPLENT	ONE TEXT UNIT POINTER
		1...		TXTPLEND	ON WHEN THIS IS LAST TEXT UNIT POINTER

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	TEXTUNIT	TEXT UNIT
0	(0)	CHARACTER	2	TEXTUKEY	KEY
2	(2)	SIGNED	2	TEXTUNUM	NUMBER OF PARAMETERS
4	(4)	CHARACTER	*	TEXTUENT	TEXT ENTRY OF LENGTH PARM
4	(4)	SIGNED	2	TEXTULNG	LENGTH OF 1ST(OR ONLY) PARM
6	(6)	CHARACTER	*	TEXTUPAR	1ST (OR ONLY) PARAMETER

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	TEXTUFLD	TEXT ENTRY OF LENGTH+PARM
0	(0)	SIGNED	2	TEXTULEN	LENGTH OF FOLLOWING PARM
2	(2)	CHARACTER	*	TEXTUPRM	PARAMETER

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TEXTUNIT Cross Reference

Name	Hex Offset	Hex Value
TEXTUENT	4	
TEXTUFLD	0	
TEXTUKEY	0	
TEXTULEN	0	
TEXTULNG	4	
TEXTUNIT	0	
TEXTUNUM	2	
TEXTUPAR	6	
TEXTUPRM	2	
TXTPLEND	0	80
TXTPLENT	0	
TXTUNITP	0	
TXTUPELM	0	
TXTUPEND	0	80
TXTUPLST	0	

TFWA Heading Information

Common Name: System trace formatter work area (TFWA)
Macro ID: IHATFWA
DSECT Name: TFWA
Owning Component: System trace (SC142)
Eye-Catcher ID: TFWA
Offset: 0
Length: 4
Storage Attributes: Subpool: 229 when IEAVETFC is called by SNAP. 0 when IEAVETFC is caller by IPCS.
Key: 0 when IEAVETFC is called by SNAP. Key of caller when IEAVETFC is called by IPCS.
Size: 216 bytes
Created by: IEAVETFC - System trace table formatter controller
INITIALIZATION:
The creator of the control block must initialize TFWAID with the acronym 'TFWA' and TFWALEVL with the constant TFWACLVL.
Pointed to by: The TFWA is part of the IEAVETFC dynamic workarea. For other routines it is an input parameter.
Serialization: N/A
Function: Describe the system trace formatter work area (TFWA) in which data critical to the formatting process is kept. The TFWA is created by the trace table formatter controller (IEAVETFC) and is passed to all modules which execute under the formatter controller.

TFWA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	216	TFWA	TRACE FORMATTER WORK AREA.
0	(0)	CHARACTER	4	TFWAID	TFWA ACRONYM.
4	(4)	BITSTRING	1	TFWALEVL	TFWA LEVEL NUMBER.
5	(5)	UNSIGNED	1	TFWANCPU	NUMBER OF PROCESSORS REPRESENTED IN THE TRACE TABLE.
6	(6)	SIGNED	2	TFWACURP	CURRENT PROCESSOR NUMBER.
8	(8)	ADDRESS	4	TFWAADPL	POINTER TO SNAP/PRDMP PARMLIST (MAPPED BY IHAABDPL).
12	(C)	SIGNED	2	TFWAASID	TRACE ADDRESS SPACE ASID.
14	(E)	SIGNED	2	TFWALLOP	LINES-LEFT-ON-PAGE COUNT.
16	(10)	ADDRESS	4	TFWACURB	POINTER TO THE CURRENT TRACE OUTPUT BUFFER.
20	(14)	SIGNED	4	TFWALJFE	LENGTH OF THE JUST-FILTERED OR FORMATTED TTE.
24	(18)	ADDRESS	4	TFWATTCH	ADDRESS OF TTCH TO FORMAT.
28	(1C)	ADDRESS	4	TFWAWAEF	ADDRESS OF DYNAMIC WORKAREA OF LENGTH LENDETEF TO BE USED BY IEAVETEF.
32	(20)	ADDRESS	4	TFWAWAFA	ADDRESS OF DYNAMIC WORKAREA OF LENGTH LENDETFA TO BE USED BY IEAVETFA.
36	(24)	ADDRESS	4	TFWAWAIF	ADDRESS OF 4K DYNAMIC WORKAREA TO BE USED BY INDIVIDUAL FORMATTING ROUTINES.
40	(28)	CHARACTER	36	TFWAFP	FLAGS AND FOOTPRINTS FOR VRA.
40	(28)	BITSTRING	1	TFWAFLG1	FLAG BYTE 1.
		1...		TFWAALL	FORMAT TTES FOR ALL ASIDS.
		.1..		TFWACUR	FORMAT TTES FOR CURRENT ASID.
		..1.		TFWAFAS	FILTER TTES USING AN ASIDLIST.
		...1		TFWASNAP	SNAP DUMP REQUEST.

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Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... 1...		TFWAPDSV	SVCDUMP/SYSMDUMP (IPCS) REQUEST.
		.... .1..		TFWAPDSA	STAND-ALONE DUMP (IPCS) REQUEST.
		.... ..1.		TFWABR	FORMAT BRANCH TTES.
		1		TFWAUSRN	EXECUTING USRN FORMAT ROUTINE.
41	(29)	BITSTRING	1	TFWAFLG2	FLAG BYTE 2.
		1...		TFWAMAIN	FORMATTER IS IN MAIN LOOP.
		.1..		TFWADONE	ALL TRACE DATA IS FORMATTED.
		..1.		TFWAPTE1	THE FIRST TTE HAS NOT YET BEEN PRINTED.
		...1		TFWAATRC	ASID TRACE FILTERING ROUTINE HAS PRODUCED THE CURRENT TTCH
		.... 1...		TFWASYNO	FORMATTER INITIALIZATION HAS FAILED. THEREFORE,CALL IEAVETVP SYNTAX CHECK THE TRACE VERB IF RUNNING UNDER IPCS.
		.... .1..		TFWADAAP	DATA AVAILABLE FOR ALL PROCESSORS UNLESS TFWAEOD1 IS ON.
		.... ..1.		TFWAEOD1	END OF DATA ENCOUNTERED ON ONE OR MORE PROCESSORS.
		1		TFWAFBSG	EXECUTING ITRFBSG ENTRY POINT.
42	(2A)	BITSTRING	1	TFWAFP01	EXECUTION TRACE FOOTPRINTS.
		1...		TFWAETVP	ENTERED IEAVETVP.
		.1..		TFWAETNP	ENTERED IEAVETNP.
		..1.		TFWAETPW	ENTERED IEAVETPW.
		...1		TFWAETRW	EXECUTING IEAVETRW.
		.... 1...		TFWAETEF	EXECUTING IEAVETEF.
		.... .1..		TFWAETFA	EXECUTING IEAVETFA ENTRY POINT.
		.... ..1.		TFWAETPB	EXECUTING IEAVETPB ENTRY POINT.
		1		TFWAFPR	EXECUTING ITRFPR FORMATTER
43	(2B)	BITSTRING	1	TFWAFP02	EXECUTION TRACE FOOTPRINTS.
		1...		TFWAFHEX	EXECUTING ITRFHEX ENTRY POINT.
		.1..		TFWAFEXP	EXECUTING ITRFEXP ENTRY POINT.
		..1.		TFWADEFU	EXECUTING ITRFDEFU ENTRY POINT.
		...1		TFWAEXPL	EXECUTING AN EXPLICIT TTE FORMATTER.
		.... 1...		TFWAFBR	EXECUTING ITRFBR FORMATTER.
		.... .1..		TFWAFPC	EXECUTING ITRFPC FORMATTER.
		.... ..1.		TFWAFPT	EXECUTING ITRFPT FORMATTER.
		1		TFWASSAR	EXECUTING ITRFSSAR FORMATTER.
44	(2C)	BITSTRING	4	TFWAFPFC	IEAVETFC EXECUTION TRACE (SEE FOOTETFC DECLARE IN IEAVETFC).
48	(30)	BITSTRING	4	TFWAFPEF	IEAVETEF EXECUTION TRACE (SEE FOOTETEF DECLARE IN IEAVETEF).
52	(34)	BITSTRING	4	TFWAFPVP	IEAVETVP EXECUTION TRACE (SEE FOOTETVP DECLARE IN IEAVETVP).
56	(38)	BITSTRING	4	TFWAFPNP	IEAVETNP EXECUTION TRACE (SEE FOOTETNP DECLARE IN IEAVETNP).
60	(3C)	BITSTRING	4	TFWAFPPW	IEAVETPW EXECUTION TRACE (SEE FOOTETPW DECLARE IN IEAVETPW).
64	(40)	BITSTRING	4	TFWAFPRW	IEAVETRW EXECUTION TRACE (SEE FOOTETRW DECLARE IN IEAVETRW).
68	(44)	BITSTRING	4	TFWAFPFA	IEAVETFA EXECUTION TRACE (SEE FOOTETFA DECLARE IN IEAVETFA).
72	(48)	BITSTRING	4	TFWAFPIF	INDIVIDUAL EXPLCIT FORMATTER EXECUTION TRACE. IF USED, THERE WILL BE A DECLARE DEFINED ON TFWAFP0A.
76	(4C)	ADDRESS	4	TFWAASDL	ADDRESS OF ASIDLIST.
80	(50)	SIGNED	4	TFWAASLN	LENGTH OF GETMAINED ASIDLIST. A NON-ZERO VALUE INDICATES THAT AN ASIDLIST WAS GETMAINED.
84	(54)	SIGNED	2	TFWAASLL	COUNT OF ASIDLIST RANGES BEFORE OPTIMIZATION.
86	(56)	SIGNED	2	TFWAASCT	COUNT OF ASIDLIST RANGES AFTER OPTIMIZATION.
88	(58)	UNSIGNED	1	TFWANREG	NUMBER OF REGISTERS IN THE CURRENT TTE.
89	(59)	UNSIGNED	1	TFWAGMSP	GETMAIN SUBPOOL TO BE USED.
90	(5A)	CHARACTER	2	TFWAUSRD	USRN FORMATTER ROUTINE DISABLEMENT ARRAY. BIT N ON MEANS THE USRN FORMATTER ROUTINE IS DISABLED AND ITRFDEFU WILL EXECUTE INSTEAD.

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
92	(5C)	UNSIGNED	4	TFWANBSP	NUMBER OF BUFFER SECTIONS (TTCHBS) OF TTCH PER 4K PAGE.
96	(60)	SIGNED	2	TFWAMXMP	MAXIMUM NUMBER OF PROCESSORS IN THE DUMPED SYSTEM.
98	(62)	SIGNED	2	TFWASDHA	HASID AT THE TIME OF THE DUMP.
100	(64)	ADDRESS	4	TFWADEVA	ADDRESS OF DEVICES ARRAY USED FOR I/O AND SCH TTE FILTERING.
104	(68)	CHARACTER	24	TFWAMLVL	MODID INFORMATION FOR THE MODULE IN CONTROL.
104	(68)	CHARACTER	8	TFWAMODN	THE NAME OF THE MODULE (CSECT) CURRENTLY IN CONTROL.
112	(70)	CHARACTER	16	TFWAMDAT	THE DATE AND LEVEL NUMBER OF THE MODULE CURRENTLY IN CONTROL.
128	(80)	SIGNED	4	TFWATCHL	LENGTH OF SNAP TTCH.
132	(84)	BITSTRING	3	TFWARSV0	RESERVED.
135	(87)	CHARACTER	9	TFWAJOBT	FULL JOB INITIATION TIMESTAMP VALUE.
135	(87)	UNSIGNED	1	TFWAJTOF	JOB START TIMESTAMP OVERFLOW (TIMER WRAP-AROUND) VALUE.
136	(88)	CHARACTER	8	TFWAJTIM	JOB INITIATION TIMESTAMP FOR THE CURRENT ADDRESS SPACE (WHOSE ASID IS IN ADPLASID).
136	(88)	BITSTRING	4	TFWAJTI1	HIGH ORDER WORD (MULTIPLES OF 1.048 SECONDS).
140	(8C)	BITSTRING	4	TFWAJTI2	LOW ORDER WORD OF TFWAJTIM.
144	(90)	ADDRESS	4	TFWAWAI2	ADDRESS OF 512 BYTE WORK AREA USED BY THE USER FORMAT ROUTINES, ITRFN07F.
148	(94)	ADDRESS	4	TFWAPS	ADDRESS OF PROCESSOR DATA SECTIONS.
152	(98)	ADDRESS	2	TFWADCPU	DUMPING CPU ADDRESS
154	(9A)	ADDRESS	2	TFWASCPU	Selected CPU address
156	(9C)	ADDRESS	4	TFWACMOD	ADDRESS OF TOD CONVERTER MODULE BLSUXTOD

Comment

Note: TFWAZONE consolidates CVTLDTO and CVTLSO adjustments, as appropriate, to convert the TOD clock values in the system trace to the zone specified by the user of the IPCS SYSTRACE subcommand.

End of Comment

160	(A0)	BITSTRING	8	TFWAZONE	TOD adjustment for GMT or local time zones
168	(A8)	BITSTRING	1	TFWACFLG	TIMESTAMP CONVERSION FLAGS
		1...		TFWAGMT	CONVERT TIMESTAMP TO GREENWHICH MEAN TIME.
		.1..		TFWALCL	CONVERT TIMESTAMP TO LOCAL TIME.
		..1.		TFWA1CPU	Format for only one CPU
		...1		TFWATLST	SYSTRACE TTCH(LIST) option
		 1111		*	RESERVED
169	(A9)	CHARACTER	1	TFWAFLG4	MORE FLAGS
		1...		TFWAMODE	Format MODE TTEs
170	(AA)	SIGNED	2	*	RESERVED.
172	(AC)	ADDRESS	4	TFWACOPA	ADDRESS OF COPROCESSOR DEVICES ARRAY USED FOR I/O AND SCH TTE FILTERING.
176	(B0)	ADDRESS	4	TFWATCBL	-> BLRIDENT PDE chain for TCB addresses
180	(B4)	ADDRESS	4	TFWAWEBL	-> BLRIDENT PDE chain for WEB addresses

Comment

Note: TFWATOD0 and TFWATOD9 have been adjusted from the time zone specified by the user to TOD clock values directly comparable to the time stamps in the system trace.

End of Comment

184	(B8)	CHARACTER	9	TFWATOD0	SYSTRACE - First time stamp eligible

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
193	(C1)	CHARACTER	9	TFWATOD9	SYSTRACE - Last time stamp eligible
202	(CA)	CHARACTER	2	TFWARSV2	Reserved.
204	(CC)	ADDRESS	4	TFWASPDL	-> SYSTRACE subcommand PDL
208	(D0)	ADDRESS	4	TFWAPTNP	-> IEAVETNP
212	(D4)	ADDRESS	4	TFWAPTPB	-> IEAVETPB
216	(D8)	CHARACTER	0	TFWAEND	END OF TFWA.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	128	TFWAPDS (16)	PROCESSOR DATA SECTION.
0	(0)	CHARACTER	2	TFWAPRID	EBCDIC PHYSICAL PROCESSOR ID.
2	(2)	SIGNED	2	TFWACPPA	PHYSICAL PROCESSOR ID.
4	(4)	BITSTRING	1	TFWAFLG3	FLAG BYTE 3.
		1...		TFWATTOB	THE CURRENT TBVT WAS OBTAINED: IF ON, VIA VIRTUAL ADDRESS FROM THE TOB. IF OFF, VIA VIRTUAL ADDRESS FROM THE PSA.
		.1..		TFWAFIMP	IMPLICIT TRACE ENTRIES MAY BE FORMATTED FOR THIS PROCESSOR. (ON WHEN TRFMFAS IS OFF OR WHEN THE LAST EXPLICIT TTE FOR THE PROCESSOR WAS FORMATTED.)
		..1.		TFWACTTS	CURRENT TTE TO BE FILTERED OR FORMATTED IS TIMESTAMPED.
		...1		TFWAEOTD	END-OF-TRACE-DATA REACHED FOR THIS PROCESSOR.
		.... 1...		TFWANOCP	SYSTRACE - Suppress CPU
		.... .1..		TFWAWUOK	TFWAWUAD is ready to be used for work unit filtering
		11		*	Reserved
5	(5)	BITSTRING	1	TFWAPFG1	PROCESSOR FLAGS (THIS IS A COPY OF TOBPFG1 FOR THE PROCESSOR).
		1...		TFWAPTSA	PROCESSOR TRACE STRUCTURE IS AVAILABLE.
6	(6)	CHARACTER	2	*	RESERVED.
8	(8)	ADDRESS	4	TFWAWBUF	ADDRESS OF THE 4K WORK BUFFER FOR EACH PROCESSOR. THE 1ST BYTE OF THE BUFFER IS THE BEGINNING OF A TTE.
12	(C)	ADDRESS	4	TFWACTTE	CURRENT TTE POINTER IN THE WORK BUFFER FOR THE PROCESSOR.
16	(10)	ADDRESS	4	TFWAENTY	ADDRESS OF THE FIRST BYTE PAST THE LAST TTE IN THE PROCESSORS WORK BUFFER.
20	(14)	CHARACTER	24	TFWABST	BUFFER STATUS. (COPIED FROM TBVTBST OR TTCHBST)
20	(14)	CHARACTER	2	TFWABFGS	STATE FLAGS.
20	(14)	CHARACTER	1	TFWABFG1	STATE FLAGS.
		1...		TFWABLST	AT LEAST ONE 4K BUFFER OF TRACE DATA WAS LOST BETWEEN THE PREVIOUS SUCCESSFUL REFILL OF THE WORK BUFFER (IF ANY) AND THE MOST RECENTLY COMPLETED REFILL OF THE WORK BUFFER.
		.1..		TFWACLST	CONTROL INFORMATION ABOUT THE TRACE BUFFER HAS BEEN LOST. TRACE DATA MAY EXIST IN THE BUFFER BUT THE END OF THE TRACE DATA (TFWAENTY) IS UNKNOWN. THEREFORE, THE BUFFER SHOULD BE FORMATTED IN DEFAULT HEX FORMAT.
		..1.		TFWAITTE	AN INVALID TTE WAS DETECTED BY THE ASID TRACE FILTERING ROUTINE (IEAVETTF).
21	(15)	CHARACTER	1	TFWABFG2	STATE FLAGS.
22	(16)	SIGNED	2	TFWABSA	MOST RECENT SASID.
24	(18)	SIGNED	2	TFWABHA	PREVIOUS EXPLICIT TTE HOME ASID.
26	(1A)	SIGNED	2	TFWABPA	MOST RECENT PASID.
28	(1C)	ADDRESS	4	TFWABTB	PREVIOUS EXPLICIT TTE TCB ADDRESS RELATED TO HOME.
32	(20)	SIGNED	4	TFWABCNT	BUFFER USE COUNT.
36	(24)	CHARACTER	8	TFWABTOD	BUFFER TIMESTAMP VALUE FOR THIS PROCESSOR.
44	(2C)	BITSTRING	3	TFWARSV4	RESERVED.
47	(2F)	CHARACTER	9	TFWACURT	EXTENDED CURRENT TIMESTAMP VALUE.

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
47	(2F)	UNSIGNED	1	TFWACTOF	CURRENT TIMESTAMP OVERFLOW (TIMER WRAP-AROUND) VALUE.
48	(30)	CHARACTER	8	TFWACTIM	CURRENT TIMESTAMP VALUE FOR THIS PROCESSOR.
48	(30)	BITSTRING	4	TFWACTI1	HIGH ORDER WORD (MULTIPLES OF 1.048 SECONDS).
52	(34)	BITSTRING	4	TFWACTI2	LOW ORDER WORD OF CURRENT TIMESTAMP.
56	(38)	ADDRESS	4	TFWAWUAD	Workunit address (TCB or WEB) from previous DSP, SRB, SSRB, or WAIT entry
60	(3C)	BITSTRING	3	TFWARSV6	RESERVED.
63	(3F)	CHARACTER	9	TFWAPRET	EXTENDED PREVIOUS TIMESTAMP VALUE.
63	(3F)	UNSIGNED	1	TFWAPTOF	PREVIOUS TIMESTAMP OVERFLOW (TIMER WRAP-AROUND) VALUE.
64	(40)	CHARACTER	8	TFWAPTIM	PREVIOUS TIMESTAMP VALUE FOR THIS PROCESSOR.
64	(40)	BITSTRING	4	TFWAPTI1	HIGH ORDER WORD (MULTIPLES OF 1.048 SECONDS).
68	(44)	BITSTRING	4	TFWAPTI2	LOW ORDER WORD OF PREVIOUS TIMESTAMP.
72	(48)	SIGNED	2	TFWABUFI	INDEX TO BUFFER SECTION OF TTCH FOR NEXT BUFFER TO BE PROCESSED.
74	(4A)	SIGNED	2	TFWANUMB	NUMBER OF TRACE BUFFERS TO BE PROCESSED FOR THE PROCESSOR.
76	(4C)	ADDRESS	4	TFWAPTBT	VIRTUAL ADDRESS OF CURRENT TBVT WHEN TRACE IS SUSPENDED OR INACTIVE ON THIS PROCESSOR. THIS IS A COPY OF TOBPTBVT FOR THE PROCESSOR.
80	(50)	ADDRESS	4	TFWACTBT	VIRTUAL ADDRESS OF THE CURRENT TBVT TO BE PROCESSED FOR THE PROCESSOR.
84	(54)	ADDRESS	4	TFWANTBT	REAL ADDRESS OF NEXT TBVT TO BE PROCESSED FOR THE PROCESSOR.
88	(58)	ADDRESS	4	TFWAVTBT	VIRTUAL ADDRESS OF THE NEXT TBVT TO BE PROCESSED FOR THE PROCESSOR.
92	(5C)	ADDRESS	4	TFWABPTR	ADDRESS OF BUFFER SECTIONS IN A TTCH FOR THIS PROCESSOR.
96	(60)	CHARACTER	32	TFWARSVP	RESERVED.
128	(80)	CHARACTER	0	TFWAPEND	END OF PROCESSOR DATA SECTION.

TFWA Constants

Len	Type	Value	Name	Description
			Comment	
		TFWA CONSTANTS AND STATIC LOCAL DECLARATIONS.		
			End of Comment	
4	DECIMAL	16	TFWANPS	NUMBER OF PROCESSORS SUPPORTED.
4	DECIMAL	1	TFWACLVL	THE CURRENT TFWA LEVEL NUMBER.
4	DECIMAL	4092	TFWAMAXE	MAXIMUM END-OF-DATA+1 OFFSET.

TFWA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TFWA	0		TFWABLST	14	80
TFWAADPL	8		TFWABPA	1A	
TFWAALL	28	80	TFWABPTR	5C	
TFWAASCT	56		TFWABR	28	02
TFWAASDL	4C		TFWABSA	16	
TFWAASID	C		TFWABST	14	
TFWAASLL	54		TFWABTB	1C	
TFWAASLN	50		TFWABTOD	24	
TFWAATRC	29	10	TFWABUFI	48	
TFWABCNT	20		TFWACFLG	A8	
TFWABFGS	14		TFWACLST	14	40
TFWABFG1	14		TFWACMOD	9C	
TFWABFG2	15		TFWACOPA	AC	
TFWABHA	18		TFWACPPA	2	

TFWA Cross Reference

Name	Hex Offset	Hex Value
TFWACTBT	50	
TFWACTIM	30	
TFWACTI1	30	
TFWACTI2	34	
TFWACTOF	2F	
TFWACTTE	C	
TFWACTTS	4	20
TFWACUR	28	40
TFWACURB	10	
TFWACURP	6	
TFWACURT	2F	
TFWADAAP	29	04
TFWADCPU	98	
TFWADEFU	2B	20
TFWADEVA	64	
TFWADONE	29	40
TFWAEND	D8	
TFWAENTY	10	
TFWAEOD1	29	02
TFWAEOTD	4	10
TFWAETEF	2A	08
TFWAETFA	2A	04
TFWAETNP	2A	40
TFWAETPB	2A	02
TFWAETPW	2A	20
TFWAETRW	2A	10
TFWAETVP	2A	80
TFWAEXPL	2B	10
TFWAFAS	28	20
TFWAFBR	2B	08
TFWAFBSG	29	01
TFWAFEXP	2B	40
TFWAFHEX	2B	80
TFWAFIMP	4	40
TFWAFLG1	28	
TFWAFLG2	29	
TFWAFLG3	4	
TFWAFLG4	A9	
TFWAFP	28	
TFWAFPC	2B	04
TFWAFPEF	30	
TFWAFPFA	44	
TFWAFPFC	2C	
TFWAFPIF	48	
TFWAFPNP	38	
TFWAFPPW	3C	
TFWAFPR	2A	01
TFWAFPRW	40	
TFWAFPT	2B	02
TFWAFPVP	34	
TFWAFP01	2A	
TFWAFP02	2B	
TFWAGMSP	59	
TFWAGMT	A8	80
TFWAID	0	
TFWAITTE	14	20
TFWAJOBT	87	
TFWAJTIM	88	
TFWAJTI1	88	
TFWAJTI2	8C	
TFWAJTOF	87	
TFWALCL	A8	40
TFWALEVL	4	
TFWALJFE	14	
TFWALLOP	E	
TFWAMAIN	29	80
TFWAMDAT	70	
TFWAMLVL	68	
TFWAMODE	A9	80
TFWAMODN	68	
TFWAMXMP	60	
TFWANBSP	5C	
TFWANCPU	5	
TFWANOCP	4	08
TFWANREG	58	
TFWANTBT	54	
TFWANUMB	4A	
TFWAPDS	0	
TFWAPDSA	28	04
TFWAPDSV	28	08
TFWAPEND	80	
TFWAPFG1	5	
TFWAPRET	3F	
TFWAPRID	0	
TFWAPS	94	
TFWAPTBT	4C	
TFWAPTE1	29	20
TFWAPTIM	40	
TFWAPTI1	40	
TFWAPTI2	44	
TFWAPTNP	D0	
TFWAPTOF	3F	
TFWAPTPB	D4	
TFWAPTSA	5	80
TFWARSVP	60	
TFWARSV0	84	
TFWARSV2	CA	
TFWARSV4	2C	
TFWARSV6	3C	
TFWASCPU	9A	
TFWASDHA	62	
TFWASNAP	28	10
TFWASPDL	CC	
TFWASSAR	2B	01
TFWASYNO	29	08
TFWATCBL	B0	
TFWATCHL	80	
TFWATLST	A8	10
TFWATOD0	B8	
TFWATOD9	C1	
TFWATTCH	18	
TFWATTOB	4	80
TFWAUSRD	5A	
TFWAUSRN	28	01
TFWAVTBT	58	
TFWAWAEF	1C	
TFWAWAFA	20	
TFWAWAIF	24	
TFWAWAI2	90	
TFWAWBUF	8	
TFWAWEBL	B4	
TFWAWUAD	38	
TFWAWUOK	4	04
TFWAZONE	A0	
TFWA1CPU	A8	20

TICB Heading Information

Common Name: TICB - MIH Time Interval Control Block
Macro ID: IOSDTICB
DSECT Name: TICB
Owning Component: IOS (SC1C3)
Eye-Catcher ID: TICB
Offset: 0
Length: 4
Storage Attributes: Main Storage: YES
Virtual Storage: n/a
Auxiliary Storage: n/a
Subpool: 245
Key: 0
Residency: Above line
Size: 624
Created by: IOSRMIHT
Pointed to by: MIHATICB
Serialization: Provided by IOSRMIHP processing
Function: Describes the layout of storage obtained and initialized by IOSRMIHT, used by IOSRMIHP to scan the UCBs for missing interrupts, and referenced by IOSRMIHR to determine the MIH recovery action(s).

TICB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	672	TICB	
0	(0)	CHARACTER	4	TICBID	CB identifier ('TICB')
4	(4)	ADDRESS	4	TICBECB	ECB posted when time interval has been terminated
8	(8)	BITSTRING	2	TICBMTCT	Time count from when processing the last MIH mound pending scan
10	(A)	UNSIGNED	1	TICBCNTR	One byte counter- Incremented in IOSRMIHP upon entry. Wrap around counter (01-FE)
11	(B)	CHARACTER	1	TICBRSV1	Reserved - spacer to insure word boundary
12	(C)	BITSTRING	4	TICBPARM	Action and condition fields for IOSRMIHR
12	(C)	BITSTRING	1	TICBACTN	ACTION field - Setup by IOSRMIHP.
		1...		TICBHC	Issue HSCH/CSCH as appropriate
		.1..		TICBSIM	Simulate an interrupt
		..1.		TICBRDV	Redrive the device
		...1		TICBRQ	Requeue the I/O request
		.... 1...		TICBMSG	Issue a message
		.... .1..		TICBLOG	Log the condition on LOGREC
		.... ..1.		TICBMSGO	The device requested message only processing. (Ie: No MIH/IOT recovery actions)
		1		TICBWAI	Not an MIH condition, wait another MIH interval
13	(D)	BITSTRING	1	*	Unused, set to 0
14	(E)	BITSTRING	1	*	Unused, set to 0
15	(F)	BITSTRING	1	TICBCOND	Condition field
		1...		TICBCLRP	Clear interrupt pending
		.1..		TICBHLTP	Halt interrupt pending
		..1.		TICBIDLE	Idle device, work queued
		...1		TICBSTPD	Start pending in subchannel
		.... 1...		TICBIOT	Indicates that I/O timeout processing is in progress
		.... .1..		TICBMNT	Mount pending
		.... ..1.		TICBPRIS	Primary status missing

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Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		1		TICBSECS	Secondary status missing
16	(10)	BITSTRING	4	TICBPRM1	Action and condition fields for device dependent exit
16	(10)	BITSTRING	1	TICBACT1	Action field - can be modified by the exit routine - contents same as TICBACTN
		1111		*	Same as TICBACTN
		.... 1...		TICBMSG1	Issue a message
		.... .1..		TICBLOG1	Log the condition in LOGREC
		.... ..1.		*	Same as TICBACTN
		1		TICBWAI1	Not an MIH condition, wait another MIH interval
17	(11)	BITSTRING	1	*	Unused, set to 0 and ignored
18	(12)	BITSTRING	1	*	Unused set to 0 and ignored
19	(13)	BITSTRING	1	TICBCON1	Condition field - set equal to TICBCOND and ignored
20	(14)	BITSTRING	4	TICBMISC	Miscellaneous bytes
20	(14)	BITSTRING	1	TICBFLG1	FLAG BYTE 1
		1...		TICBTIMS	Timer started by IOSRMIHI
		.1..		TICBXTME	IOSXTIME interval caused MIH condition to be detected
		..1.		TICBDEVC	MIH time value for entire device class is set to 0 at IPL time AND this is IOS recovery I/O
		...1		*	Reserved
		.... 1...		*	Reserved
		.... .1..		*	Reserved
		.... ..1.		*	Reserved
		1		*	Reserved
21	(15)	BITSTRING	1	TICBFLG2	Flag byte 2 - reserved
22	(16)	BITSTRING	1	TICBRSNC	MIH condition reason code
23	(17)	BITSTRING	1	TICBRTRY	Retry count - incremented when a failure occurs during a UCB scan - when the retry limit is reached, the main MIH task is posted for termination.
24	(18)	CHARACTER	8	TICBTIMB	Binary time interval (bit 51 equals 1 microsecond)
24	(18)	CHARACTER	4	TICBTMEH	Binary time interval, High order
28	(1C)	CHARACTER	4	TICBTMEL	Binary time interval, low order
32	(20)	CHARACTER	128	TICBTQE	TQE used for MIH timer
160	(A0)	CHARACTER	44	TICBSRB	SRB used to schedule entry point IOSRMIH0, IOSRMIH1, IOSRMIH2 OR IOSRMIH3 in module IOSRMIHP
204	(CC)	CHARACTER	108	TICBIOSB	IOSB (w/0 ext) used to perform the subchannel request
312	(138)	CHARACTER	52	TICBSHIB	SCHIB data from the STSCH request
364	(16C)	ADDRESS	4	TICBETCB	Address of TCB that got the MIH ENQ during IOSCPARZ nip processing
368	(170)	CHARACTER	220	TICBWORK	Work area for IOSRMIHP
588	(24C)	CHARACTER	72	TICBSAVE	Save area used when IOSRMIHP calls device dependent exit or IOSRMIHR
660	(294)	CHARACTER	4	TICBSRC1	Store Subchannel request return code from IOSVSTSQ, issued in IOSRMIHP.
664	(298)	UNSIGNED	4	TICBWAIT	Total time waited. Returned by the MIH exit when the secondary timeout value for the device was exceeded.
668	(29C)	CHARACTER	4	*	Reserved
672	(2A0)	CHARACTER	0	TICBEND	Force double word boundary

TICB Cross Reference

Name	Hex Offset	Hex Value
TICB	0	
TICBACTN	C	
TICBACT1	10	
TICBCLRP	F	80
TICBCNTR	A	
TICBCOND	F	
TICBCON1	13	
TICBDEVC	14	20
TICBECB	4	
TICBEND	2A0	
TICBETCB	16C	
TICBFLG1	14	
TICBFLG2	15	
TICBHC	C	80
TICBHLTP	F	40
TICBID	0	
TICBIDLE	F	20
TICBIOSB	CC	
TICBIOT	F	08
TICBLOG	C	04
TICBLOG1	10	04
TICBMISC	14	
TICBMNT	F	04
TICBMSG	C	08
TICBMSGO	C	02
TICBMSG1	10	08
TICBMTCT	8	
TICBPARM	C	
TICBPRIS	F	02
TICBPRM1	10	
TICBRDV	C	20
TICBRQ	C	10
TICBRSNC	16	
TICBRSV1	B	
TICBRTRY	17	
TICBSAVE	24C	
TICBSECS	F	01
TICBSHIB	138	
TICBSIM	C	40
TICBSRB	A0	
TICBSRC1	294	
TICBSTPD	F	10
TICBTIMB	18	
TICBTIMS	14	80
TICBTMEH	18	
TICBTMEL	1C	
TICBTQE	20	
TICBWAI	C	01
TICBWAIT	298	
TICBWAI1	10	01
TICBWORK	170	
TICBXTME	14	40

TIOT Programming Interface information

Programming Interface information

TIOT

ONLY the following fields are part of the programming interface information:

- TIOCJSTN
- TIOCNJOB
- TIOCPSTN
- TIOCSTEP
- TIOCSTPN
- TIOEDDNM
- TIOEFSRT
- TIOEJFCB
- TIOELNGH
- TIOEWTCT

End of Programming Interface information

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TIOT Heading Information

Common Name: Task Input/Output Table
Macro ID: IEFTIOT1
DSECT Name: No DSECT card put out by macro. TIOT1 may be used in the USING statement.
Owning Component: Allocation/unallocation (SC1B4)
Eye-Catcher ID: None
Storage Attributes: Main Storage: No
Virtual Storage: Yes
Subpool: 237 (obtained from JSCBSWSP)
Key: 1
Data Space: No
Residency: Below (normal TIOT) or Above (XTIOT) 16M
Size: Variable (Installation Defined)
Created by: Device allocation
Pointed to by: TCBTIO field of the TCB data area
DCBTIOT field of the DCB data area
DSABTIOT field of the DSAB data area (DD entry TIOT)
JCTSTIOT field of the JCT data area
SMCATIOT field of the SMCA data area (master scheduler TIOT)
Serialization: ENQ on SYSZTIOT
Function: Provides the I/O support routines with pointers to JFCBs and to allocated devices.

- Each DD statement, whether it is a member of a concatenation or not, has its own TIOT DD Entry. There will be one DD statement for each GDG data set for a GDGALL request.

- Within each DD Entry there will be one Device Entry for each device allocated to that DD statement. Single device does not always mean "not a multi-volume" data set. For permres devices (e.g., D/T3390), device and volume are synonymous. However, for tape requests device and volume are NOT synonymous since a tape volume can be mounted on any one of many tape devices.

TIOT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	(0)	
0	(0)	X'0'	0	TIOT1	"*" - TIOTPTR
0	(0)	CHARACTER	8	TIOCNJOB	- JOB NAME
8	(8)	CHARACTER	16	TIOCSTEP (0)	- STEP INFORMATION
8	(8)	CHARACTER	8	TIOCSTPN (0)	- 8-BYTE STEP NAME FOR NON-PROCS
8	(8)	CHARACTER	8	TIOCPSTN	- 8-BYTE PROC STEP NAME FOR PROCS
16	(10)	CHARACTER	8	TIOCJSTN	- 8-BYTE JOBSTEP NAME FOR PROCS

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					DD ENTRY THERE IS A 16-BYTE DD ENTRY FOR EACH DD STATEMENT IN THE JOB STEP OR PROCEDURE STEP. (REFERENCES TO GDG (ALL) DATA SETS, THE JOBLIB DATA SET OR PGM= .DDNAME CREATE STILL OTHER DD ENTRIES.) A DD ENTRY INCLUDES A DEVICE ENTRY. BEFORE ALLOCATION, THERE MAY BE SEVERAL DEVICE ENTRIES IN EACH DD ENTRY.
					End of Comment
16	(10)	X'18'	0	TIOENTRY	"*" - TIODDPTR
24	(18)	SIGNED	1	TIOELNGH	- LENGTH, IN BYTES, OF THIS ENTRY (INCLUDING ALL DEVICE ENTRIES)
25	(19)	BITSTRING	1	TIOESTTA	- STATUS BYTE A
		1...		TIOSLTYP	"X'80'" - NONSTANDARD LABEL (TAPE) (OS/VS1) FREED TIOT ENTRY (OS/VS2)
		.1..		TIOSPLTP	"X'40'" - DURING ALLOCATION, SPLIT CYLINDER PRIMARY. (THIS IS THE FIRST DD ENTRY FOR A SPLIT CYLINDER.) DURING STEP TERMINATION, NO UNALLOCATION NECESSARY.
		..1.		TIOSPLTS	"X'20'" - DURING ALLOCATION, SPLIT CYLINDER SECONDARY. (THIS IS NOT THE FIRST DD ENTRY FOR A SPLIT CYLINDER.) DURING STEP TERMINATION, REWIND BUT NO UNLOADING.
		...1		TIOSJBLB	"X'10'" - JOBLIB INDICATOR
		.... 1...		TIOSDADS	"X'08'" - DADSM ALLOCATION NECESSRY
		.... .1..		TIOSLABL	"X'04'" - LABELED TAPE. IF BIT 0 IS OFF, SL OR SUL. IF BIT 0 IS ALSO ON, AL OR AUL.
		.... ..1.		TIOSDSP1	"X'02'" - REWIND/UNLOAD THE TAPE VOLUME (TAPE) PRIVATE VOLUME (DIRECT ACCESS) MDC001
		1		TIOSDSP2	"X'01'" - REWIND THE TAPE VOLUME (TAPE) PUBLIC VOLUME (DIRECT ACCESS) MDC002
26	(1A)	CHARACTER	2	TIOERLOC (0)	- RELATIVE LOCATION OF POOL
26	(1A)	CHARACTER	1	TIOEWTCT	- DURING ALLOCATION, NUMBER OF DEVICES REQUESTED FOR THIS DATA SET
27	(1B)	CHARACTER	1	TIOELINK	- DURING ALLOCATION, LINK TO THE APPROPRIATE PRIME SPLIT, UNIT AFFINITY, VOLUME AFFINITY OR SUBALLOCATE TIOT ENTRY. AFTER ALLOCATION, FLAG BYTE.
		1...		TIOSYOUT	"X'80'" - THIS IS A SYSOUT DATA SET THAT CONTAINS DATA (AFTER CLOSE)
		.1..		TIOTRV01	"X'40'" - RESERVED MDC006
		..1.		TIOTTERM	"X'20'" - DEVICE IS A TERMINAL
		...1		TIOEDYNM	"X'10'" - DYNAM CODED ON DD STATEMENT
		.... 1...		TIOEQNAM	"X'08'" - QNAME CODED ON DD STATEMENT
		.... .1..		TIOESYIN	"X'04'" - ENTRY FOR SPOOLED SYSIN DATA SET (OS/VS1) MDC003
		.... ..1.		TIOESYOT	"X'02'" - ENTRY FOR SPOOLED SYSOUT DATA SET (OS/VS1) MDC004
		.... ..1.		TIOESSDS	"X'02'" - ENTRY FOR A SUBSYSTEM DATA SET (OS/VS2) MDC005
		1		TIOTREM	"X'01'" - ENTRY FOR A REMOTE DEVICE ICB340
28	(1C)	CHARACTER	8	TIOEDDNM	- DD NAME
36	(24)	CHARACTER	3	TIOEJFCB	- SWA virtual address token, mapped by SWAREQ macro. Refer to that macro for further information.
39	(27)	BITSTRING	1	TIOESTTC	- STATUS BYTE C. USED DURING ALLOCATION ONLY. SET TO ZEROS AT END OF ALLOCATION.
		1...		TIOSDKCR	"X'80'" - MAIN STORAGE OR DASD ADDRESS
		.1..		TIOSDEFR	"X'40'" - DEFERRED MOUNT
		..1.		TIOSAFFP	"X'20'" - PRIMARY UNIT AFFINITY
		...1		TIOSAFFS	"X'10'" - SECONDARY UNIT AFFINITY
		.... 1...		TIOSVOLP	"X'08'" - PRIMARY VOLUME AFFINITY

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... .1..		TIOSVOLS	"X'04'" - SECONDARY VOLUME AFFINITY
		.... ..1.		TIOSBALP	"X'02'" - PRIMARY SUBALLOCATE
		1		TIOSBALS	"X'01'" - SECONDARY SUBALLOCATE

Comment

DEVICE ENTRIES
1. DURING ALLOCATION -
   ONE DEVICE ENTRY FOR EACH DEVICE REQUIRED, OR FOR EACH PUBLIC DEVICE ELIGIBLE.
2. DURING PROBLEM PROGRAM -
   ONE DEVICE ENTRY FOR EACH ALLOCATED DEVICE.

End of Comment

40	(28)	BITSTRING	1	TIOESTTB	- STATUS BYTE B - DURING ALLOCATION AND DURING PROBLEM PROGRAM
		1...		TIOSUSED	"X'80'" - DATA SET IS ON DEVICE
		.1..		TIOSREQD	"X'40'" - DATA SET WILL USE DEVICE
		..1.		TIOSPVIO	"X'20'" - DEVICE VIOLATES SEPARATION
		...1		TIOSVLSR	"X'10'" - VOLUME SERIAL PRESENT
		.... 1...		TIOSSETU	"X'08'" - SETUP MESSAGE REQUIRED
		.... .1..		TIOSMNTD	"X'04'" - IF 0, DELETE UNLOADED VOLUME IF UNLOAD REQUIRED. IF 1, RETAIN UNLOADED VOLUME IF UNLOAD REQUIRED.
		.... ..1.		TIOSUNLD	"X'02'" - UNLOAD REQUIRED
		1		TIOSVERF	"X'01'" - VERIFICATION REQUIRED
41	(29)	ADDRESS	3	TIOEFSRT	- DURING PROBLEM PROGRAM, ADDRESS OF UCB. DURING ALLOCATION, BITS 0-11 CONTAIN OFFSET, IN THE UCB LOOK-UP TABLE, TO AN ADDRESS FOR A DEVICE REQUIRED OR ELIGIBLE FOR THIS DATA SET. THE UCB LOOK-UP TABLE HAS ADDRESSES OF UCB'S. BITS 12-23 CONTAIN OFFSET, IN THE STEP VOLUME TABLE (VOLT), TO THE VOLUME SERIAL NUMBER FOR THE VOLUME REQUIRED OR ELIGIBLE FOR THIS DATA SET.

Comment

TIOT POOL ENTRY

End of Comment

41	(29)	X'2C'	0	POOLSTAR	"*"
44	(2C)	CHARACTER	1		- RESERVED
45	(2D)	SIGNED	1	TIOPNSLT	- NUMBER OF SLOTS FOR POOL
46	(2E)	CHARACTER	1		- RESERVED
47	(2F)	SIGNED	1	TIOPNSRT	- NUMBER OF DEVICES (FILLED SLOTS)
48	(30)	CHARACTER	8	TIOPPOOL	- POOL NAME
56	(38)	BITSTRING	1	TIOPSTTB	- STATUS OF SLOT
57	(39)	ADDRESS	3	TIOPSLOT	- UCB ADDRESS OR EMPTY SLOT
60	(3C)	CHARACTER	4	TIOTFEND	- FINAL END OF THE TIOT - BINARY ZEROS

TIOT Cross Reference

Name	Hex Offset	Hex Value
POOLSTAR	29	2C
TIOCJSTN	10	
TIOCNJOB	0	
TIOCPSTN	8	
TIOCSTEP	8	
TIOCSTPN	8	
TIOEDDNM	1C	
TIOEDYNM	1B	10
TIOEFSRT	29	
TIOEJFCB	24	
TIOELINK	1B	
TIOELNGH	18	
TIOENTRY	10	18
TIOEQNAM	1B	8
TIOERLOC	1A	
TIOESSDS	1B	2
TIOESTTA	19	
TIOESTTB	28	
TIOESTTC	27	
TIOESYIN	1B	4
TIOESYOT	1B	2
TIOEWTCT	1A	
TIOPNSLT	2D	
TIOPNSRT	2F	
TIOPPOOL	30	
TIOPSLOT	39	
TIOPSTTB	38	
TIOSAFFP	27	20
TIOSAFFS	27	10
TIOSBALP	27	2
TIOSBALS	27	1
TIOSDADS	19	8
TIOSDEFR	27	40
TIOSDKCR	27	80
TIOSDSP1	19	2
TIOSDSP2	19	1
TIOSJBLB	19	10
TIOSLABL	19	4
TIOSLTYP	19	80
TIOSMNTD	28	4
TIOSPLTP	19	40
TIOSPLTS	19	20
TIOSPVIO	28	20
TIOSREQD	28	40
TIOSSETU	28	8
TIOSUNLD	28	2
TIOSUSED	28	80
TIOSVERF	28	1
TIOSVLSR	28	10
TIOSVOLP	27	8
TIOSVOLS	27	4
TIOSYOUT	1B	80
TIOTFEND	3C	
TIOTREM	1B	1
TIOTRV01	1B	40
TIOTTERM	1B	20
TIOT1	0	0

TMRB Heading Information

Common Name: TIOT Manager Request Block
Macro ID: IEFZB424
DSECT Name: TIOMGRRB
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: None
Storage Attributes: Main Storage: No
Virtual Storage: Yes
Auxiliary Storage: Yes
Key: 1 (Allocation) or 0 (Consoles)
Data Space: No
Residency: Anywhere (Allocation) or Below (Consoles)
Size: 48 Bytes
Created by: Callers of the TIOT Manager, IEFAB4FC
Pointed to by: Upon entry to IEFAB4FC General Purpose Register 1 points to a pointer to the TIOT Manager Request Block
Serialization: None
Function: The request block contains the input data required by the TIOT Manager, IEFAB4FC. This input includes a function map which indicates the functions which are to be performed for each entry to the TIOT Manager. Other information required depends on the operation as indicated by each field.

TMRB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	48	TIOMGRRB	TIOT MGR REQUEST BLOCK
0	(0)	BITSTRING	2	TIOMFMAP	FUNCTION MAP
		1...		TIOMBLD	CREATE TIOT & QDB
		.1..		TIOMINIT	REINITIALIZE TIOT & QDB
		..1.		TIOMALOC	ALLOCATE A TIOT DD ENTRY
		...1		TIOMRLSE	RELEASE A DD ENTRY
		.... 1...		TIOMUPD	UPDATE TIOT AND QDB
		.... .1..		TIOMCCAT	CONCATENATE DD ENTRIES
		.... ..1.		TIOMUNAL	UNALLOCATE (FREE) DSABS
		1		TIOMFREE	FREE TIOT & QDB
1	(1)	1...		TIOMRENT	RELEASE DD ENTRIES WHEN DSABS UNALLOCATED
		.1..		TIOMDSAO	USE ONLY DSABS IN INPUT LIST WHEN CONCATENATING
		..1.		TIOMFDYN	FREE DYNAMIC ALLOCATION TABLE
		...1		TIOMXTIO	ALLOCATE XTIOT ENTRY
		.... 1...		TIOMDSAA	Propagation bit for SVC 99 request for DSAB above the 16MB line.
		.... .1..		*	RESERVED
		.... ..1.		*	RESERVED
		1		*	RESERVED
2	(2)	UNSIGNED	2	TIOMTSZE	SIZE OF TIOT, REQUIRED INPUT ONLY FOR CREATE FUNCTION
4	(4)	ADDRESS	4	TIOMJSCP	POINTER TO JSCB, REQUIRED FOR ALL FUNCTIONS
8	(8)	ADDRESS	4	TIOMJNMP	POINTER TO JOB NAME, ONLY REQUIRED FOR CREATE AND INITIALIZE FUNCTIONS
12	(C)	ADDRESS	4	TIOMSNMP	POINTER TO STEP NAME, ONLY REQUIRED FOR CREATE AND INITIALIZE FUNCTIONS
16	(10)	ADDRESS	4	TIOMENTP	PTR TO DD ENTRY TO BE RE- LEASED, REQUIRED FOR RELEASE FUNCTION ONLY

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TMRB Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
20	(14)	ADDRESS	4	TIOMDSAP	PTR TO LIST OF DSABS REQUIRED FOR UNALLOCATE, CONCATENATE AND RELEASE FUNCTIONS. THERE WILL ONLY BE 1 DSAB ON THE LIST FOR THE RELEASE FUNCTION
24	(18)	ADDRESS	4	TIOMSIOP	PTR TO FIRST SIOT ON CHAIN, REQUIRED FOR UPDATE FUNCTION
28	(1C)	ADDRESS	4	TIOMRETP	PTR TO RETURN INFO AREA, REQUIRED FOR ALLOCATE, CREATE, & INITIALIZE FUNCTIONS
32	(20)	ADDRESS	4	TIOMPSNP	POINTER TO PROC STEP NAME, REQUIRED ONLY FOR CREATE AND INITIALIZE FUNCTIONS
36	(24)	SIGNED	2	TIOMIUSL	IN-LINE LIMIT, REQUIRED ONLY FOR CREATE AND INITIALIZE FUNCTIONS
38	(26)	SIGNED	2	TIOMDEVS	NUMBER OF DEVICES FOR AN ALLOCATE REQUEST
40	(28)	ADDRESS	4	TIOMASWA	ADDRESS OF CURRENT ASWA
44	(2C)	CHARACTER	4	*	DWORD BOUNDARY

TMRB Cross Reference

Name	Hex Offset	Hex Value
TIOMALOC	0	20
TIOMASWA	28	
TIOMBLD	0	80
TIOMCCAT	0	04
TIOMDEVS	26	
TIOMDSAA	1	08
TIOMDSAO	1	40
TIOMDSAP	14	
TIOMENTP	10	
TIOMFDYN	1	20
TIOMFMAP	0	
TIOMFREE	0	01
TIOMGRRB	0	
TIOMINIT	0	40
TIOMIUSL	24	
TIOMJNMP	8	
TIOMJSCP	4	
TIOMPSNP	20	
TIOMRENT	1	80
TIOMRETP	1C	
TIOMRLSE	0	10
TIOMSIOP	18	
TIOMSNMP	C	
TIOMTSZE	2	
TIOMUNAL	0	02
TIOMUPD	0	08
TIOMXTIO	1	10

TMTRC Heading Information

Common Name: Task Manangement Services System Trace Entry Templates
Macro ID: IHATMTRC
DSECT Name: TMWAIT, TMPOST, TMSETS1, TMSETS2, TMCHAP, TMCHPF03
Owning Component: TASK MANAGEMENT (SC1CL)
Eye-Catcher ID: None
Storage Attributes: Subpool: 239
Key: 0
Residency: SQA (above 16m)
Size: 20 bytes per template
Created by: IEAVNIP0
Pointed to by: WSACSTPL field of the Cpu-Related WSAVT
Serialization: Disablement serializes System Trace parameter list
Function: Provides a template for building Task Management Services system trace table entries.

TMTRC Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	20	TMWAIT	IEAVWAIT AND IEAVEWTP ENTRY POINTS OF IEAVEWAT SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0001, AND X0128)
0	(0)	ADDRESS	4	TMWTRET	CALLERS RETURN ADDRESS (ZERO IF IEAVEWTP TO INDICATE PC ENTERED ROUTINE)
4	(4)	SIGNED	4	TMWTECBA	ECB ADDRESS OR ECB LIST ADDRESS PROCESSED BY IEAVEWAT
8	(8)	SIGNED	4	TMWTCNT	WAIT COUNT
12	(C)	CHARACTER	8	TMWTRSV	RESERVED
20	(14)	CHARACTER	0	TMWAITE	END OF IEAVEWAT SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	20	TMPOST	IEA0PT01, IEA0PT02, IEA0PT03, AND IEAVEPTP ENTRY POINTS OF IEAVEWAT SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0129, X0002, X012A, AND X012B)
0	(0)	ADDRESS	4	TMPTRET	CALLERS RETURN ADDRESS (ZERO IF IEAVEPTP TO INDICATE PC ENTERED ROUTINE)
4	(4)	SIGNED	4	TMPTECBA	ADDRESS OF ECB PROCESSED BY IEAVEPST
8	(8)	SIGNED	4	TMPTSUCC	SYSTEM/USER COMPLETION CODE - IF THE ECB ADDRESS IS ZERO, THIS IS THE RB ADDRESS.
12	(C)	ADDRESS	4	TMPTASCB	TARGET ASCB ADDRESS OF CROSS-MEMORY POST OR ZERO (NONZERO ONLY IF CROSS-MEMORY POST)
16	(10)	ADDRESS	4	TMPTERRT	ERRET ROUTINE ADDRESS FOR CROSS-MEMORY POST OR ZERO (NONZERO ONLY IF CROSS-MEMORY POST)
20	(14)	CHARACTER	0	TMPOSTE	END OF IEAVEPST SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	20	TMSETS1	IGC07905 ENTRY POINT OF IEAVSETS SYSTEM TRACE ENTRY TEMPLATE (SRVID=X012D)
0	(0)	ADDRESS	4	TMST1RET	IGC07905 CALLERS RETURN ADDRESS
4	(4)	SIGNED	4	TMST1TCB	TARGET TCB ADDRESS
8	(8)	UNSIGNED	2	TMST1IAC	INPUT ACTION CODE
10	(A)	BITSTRING	1	TMST1FLG	IEAVSETS OPTION FLAG BYTE
		1...		TMST1FSR	SET/RESET OPERAND INDICATION (0-SET AND 1-RESET)

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
11	(B)	CHARACTER	1	TMST1RSV	RESERVED
12	(C)	SIGNED	2	TMST1IAS	INPUT ASID
14	(E)	CHARACTER	6	TMST1RV2	RESERVED
20	(14)	CHARACTER	0	TMSET1E	END OF IEAVSETS SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	TMSETS2	IEAVSET1 ENTRY POINT OF IEAVSETS SYSTEM TRACE ENTRY TEMPLATE (SRVID=X012E)
0	(0)	ADDRESS	4	TMST2RET	IEAVSET1 CALLERS RETURN ADDRESS
4	(4)	SIGNED	4	TMST2ASA	CURRENTLY DISPATCHED ASCB ADDRESS
8	(8)	CHARACTER	12	TMST2RSV	RESERVED
20	(14)	CHARACTER	0	TMSET2E	END OF IEAVSETS SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	TMCHAP	ASCBCHAP SYSTEM TRACE ENTRY TEMPLATE (SRVID=X012C)
0	(0)	ADDRESS	4	TMCHPRET	ASCBCHAP CALLERS RETURN ADDRESS
4	(4)	SIGNED	4	TMCHPFC	ASCBCHAP FUNCTION CODE - 0 - MOVE, 1 - ADD, 2 - DELETE, 3 - EXTENDED MOVE 4 - Enclave Move
8	(8)	CHARACTER	8	TMCHPFDT	ASCBCHAP function dependend data (ASCB address and dispatching priority for Add and Delete, first move parameter vector entry for Move or Enclave Move, or first extended move table entry for Extended Move.)
8	(8)	BITSTRING	2	TMCHPFL	FOR TMCHPFC=0 or 4: FLAG BITS - HI-ORDER BIT ON INDICATES THE LAST PARAMETER VECTOR ENTRY
10	(A)	SIGNED	2	TMCHPDP	FOR TMCHPFC=0,1,2, OR 4: DISPATCHING PRIORITY
12	(C)	ADDRESS	4	TMCHPAS	FOR TMCHPFC=0,1, OR 2: ASCB ADDRESS
12	(C)	ADDRESS	4	TMCHPENC	FOR TMCHPFC=4: Enclave address
16	(10)	CHARACTER	4	TMCHPRSV	RESERVED
20	(14)	CHARACTER	0	TMCHAPE	END OF ASCBCHAP SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	STRUCTURE	8	TMCHPF03	MAP THE FUNCTION DEPENDENT AREA TO SHOW ITS CONTENTS FOR TMCHPFC=3
8	(8)	UNSIGNED	1	TMCHPFUN	FOR TMCHPFC=3: EXTENDED FUNCTION (4=CHAP UP, 8=CHAP DOWN)
9	(9)	UNSIGNED	1	TMCHPTSG	FOR TMCHPFC=3: TIME SLICE GROUP NUMBER
10	(A)	SIGNED	2	TMCHPCNT	FOR TMCHPFC=3: NUMBER OF USERS IN THE TIME SLICE GROUP
12	(C)	ADDRESS	4	TMCHPNXT	FOR TMCHPFC=3: POINTER TO NEXT EXTENDED MOVE TABLE ENTRY

TMTRC Cross Reference

Name	Hex Offset	Hex Value
TMCHAP	0	
TMCHAPE	14	
TMCHPAS	C	
TMCHPCNT	A	
TMCHPDP	A	
TMCHPENC	C	
TMCHPFC	4	
TMCHPFDT	8	
TMCHPFL	8	
TMCHPFUN	8	
TMCHPF03	8	
TMCHPNXT	C	
TMCHPRET	0	
TMCHPRSV	10	
TMCHPTSG	9	
TMPOST	0	
TMPOSTE	14	
TMPTASCB	C	
TMPTECBA	4	
TMPTERRT	10	
TMPTRET	0	
TMPTSUCC	8	
TMSETS1	0	
TMSETS2	0	
TMSET1E	14	
TMSET2E	14	
TMST1FLG	A	
TMST1FSR	A	80
TMST1IAC	8	
TMST1IAS	C	
TMST1RET	0	
TMST1RSV	B	
TMST1RV2	E	
TMST1TCB	4	
TMST2ASA	4	
TMST2RET	0	
TMST2RSV	8	
TMWAIT	0	
TMWAITE	14	
TMWTCNT	8	
TMWTECBA	4	
TMWTRET	0	
TMWTRSV	C	

TOB Heading Information

Common Name: SYSTEM TRACE OPTION BLOCK (TOB)
Macro ID: IHATOB
DSECT Name: TOB
Owning Component: SYSTEM TRACE (SC142)
Eye-Catcher ID: TOB
Offset: 0
Length: 4
Storage Attributes: Subpool: NUCLEUS (Above)
Key: 0
Size: 80
Created by: EXISTS AS NUCLEUS RESIDENT MODULE IEAVETOB
Pointed to by: TRVTTOB
Serialization: GENERAL:
WHEN THE TRACE ADDRESS SPACE DOES NOT EXIST OR IS
NOT OPERATIONAL AS A CROSS MEMORY ADDRESS SPACE,
ALL TOB FIELDS ARE (RE)INITIALIZED UNDER AN
ENQ ON THE TRACE RESOURCE.
FIELD TOBTRCI IS UPDATED AT ANY TIME VIA
COMPARE AND SWAP.
FIELD TOBPWAW1 IS UPDATED AT ANY TIME UNDER
DISABLEMENT ON THE PROCESSOR.
GLOBAL FIELDS:
WHEN THE TRACE ADDRESS SPACE IS OPERATIONAL
AS A CROSS MEMORY ADDRESS SPACE,
THE GLOBAL TRACE STATE FIELDS ARE SERIALIZED
BY COMPARE AND SWAP, THE TRACE SPIN LOCK AND/OR
SYSTEM TRACE ADDRESS SPACE LOCAL LOCK.
SEE THE COMMENT ON THE PARTICULAR FIELD.
FIELD TOBTRCI IS UPDATED AT ANY TIME VIA
COMPARE AND SWAP.
PROCESSOR RELATED FIELDS:
WHEN THE TRACE ADDRESS SPACE IS OPERATIONAL
AS A CROSS MEMORY ADDRESS SPACE,
THE PROCESSOR TRACE STATE FIELDS ARE SERIALIZED
BY DISABLEMENT, THE TRACE SPIN LOCK AND/OR
SYSTEM TRACE ADDRESS SPACE LOCAL LOCK.
SEE THE COMMENT ON THE PARTICULAR FIELD.
FIELD TOBPWAW1 IS UPDATED AT ANY TIME UNDER
DISABLEMENT ON THE PROCESSOR.
Function: CONTAIN THE SYSTEM TRACE CONFIGURATION AND STATE
INFORMATION.

TOB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	80	TOB	TRACE OPTION BLOCK.
0	(0)	CHARACTER	21	TOBIDENT	TOB IDENTIFICATION FIELDS.
0	(0)	CHARACTER	4	TOBID	TOB EBCDIC IDENTIFIER.
4	(4)	CHARACTER	8	TOBDATE	MODULE DATE.
12	(C)	CHARACTER	8	TOBMLVL	MODULE LEVEL.

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Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
20	(14)	UNSIGNED	1	TOBBLVL	CONTROL BLOCK LEVEL NUMBER.
21	(15)	BITSTRING	1	TOBTRFG1	TRACE STATUS FLAGS. SERIALIZATION - THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK.
		1...		TOBSVACT	TRACE SERVICES AVAILABLE.
		.1..		TOBSTACT	TRACE ACTIVE FLAG.
		..11 1111		*	RESERVED.
22	(16)	BITSTRING	1	TOBTRFG2	TRACE PENDING FLAGS. SERIALIZATION - THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK.
		1...		TOBPNDEA	TRACE ENVIRONMENT ALTERATION PENDING.
		.1..		TOBPNDOF	TRACEOFF PENDING.
		..11 1111		*	RESERVED.
23	(17)	BITSTRING	1	TOBTRFG3	MISCELLANEOUS TRACE FLAGS.
		1...		TOBTAST	TRACE ADDRESS SPACE TERMINATION IN PROGRESS FLAG.
		.111 1111		*	RESERVED.
24	(18)	BITSTRING	4	TOBTROPT	Trace options requested in approximately CR12 format. It must never be used without ANDing with the mask needed for the architecture. INITIAL STATE IS X'00000003'. SERIALIZATION - THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK.
24	(18)	CHARACTER	1	TOBTROB0	
		1...		TOBTRBR	BRANCH TRACE OPTION. BIT 0.
		.1..		TOBTRMO	MODE trace option. Bit 1.
25	(19)	CHARACTER	2	*	
27	(1B)	BITSTRING	1	TOBTROB4	LAST BYTE OF TRACE OPTIONS REQUESTED.
		1111 11..		*	RESERVED.
		.... ..1.		TOBTRASD	ASID TRACE OPTION. BIT 30.
		1		TOBTREXP	EXPLICIT TRACE OPTION. BIT 31.
28	(1C)	UNSIGNED	2	TOBTRPOL	NUMBER OF PROCESSORS WITH TRACE CURRENTLY ACTIVE AND/OR SUSPENDED. SERIALIZATION - THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK.
30	(1E)	UNSIGNED	2	TOBTRBUF	NUMBER OF BUFFERS REQUESTED PER PROCESSOR. SERIALIZATION - THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK.
32	(20)	ADDRESS	4	TOBASCB	TRACE ADDRESS SPACE ASCB ADDRESS.
36	(24)	CHARACTER	2	TOBRSVD2	RESERVED.
38	(26)	UNSIGNED	2	TOBASID	TRACE ADDRESS SPACE ASID.
40	(28)	ADDRESS	4	TOBAASCB	THE ALTRTRC (OR CREATING) ADDRESS SPACE ASCB ADDRESS.
44	(2C)	ADDRESS	4	TOBVSRB	VERIFICATION SRB ADDRESS. SERIALIZATION - THE TRACE ADDRESS SPACE LOCAL LOCK.
48	(30)	CHARACTER	2	TOBDMPID	TRACE DUMP ID. SERIALIZATION - THE TRACE ADDRESS SPACE LOCAL LOCK.
50	(32)	CHARACTER	2	TOBRSVD3	RESERVED.
52	(34)	SIGNED	4	TOBTRMID	TRACE TERMINATION MESSAGE ID.
56	(38)	SIGNED	4	TOBTRCI	TRACE TTE CONTINUATION INFORMATION COUNT. SERIALIZATION - COMPARE AND SWAP.
60	(3C)	ADDRESS	4	TOBPEAD	ADDRESS OF THE PROCESSOR ENTRIES. SERIALIZATION - THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK.
64	(40)	CHARACTER	8	TOBTTCHQ	TTCH QUEUE HEADER. SERIALIZATION - THE TRACE ADDRESS SPACE LOCAL LOCK.
64	(40)	ADDRESS	4	TOBTTCHF	TTCH FORWARD CHAIN.
68	(44)	ADDRESS	4	TOBTTCHB	TTCH BACKWARD CHAIN.
72	(48)	CHARACTER	8	TOBRSVD4	RESERVED.
80	(50)	CHARACTER	0	TOBEND	END OF TOB.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	16	TOBPE (16)	PROCESSOR ENTRY.
0	(0)	BITSTRING	1	TOBPFG1	PROCESSOR FLAGS. SERIALIZATION - DISABLEMENT ON THE PROCESSOR, OR THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK IF THE PROCESSOR IS NOT ALIVE (CSDCPUAL).
		1...		TOBPTSA	PROCESSOR TRACE STRUCTURE AVAILABLE.
		.111 1111		*	RESERVED.
1	(1)	CHARACTER	1	TOBPRSV1	RESERVED.
2	(2)	UNSIGNED	2	TOBPBUF	NUMBER OF BUFFERS FOR THIS PROCESSOR. SERIALIZATION - DISABLEMENT ON THE PROCESSOR, OR THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK IF THE PROCESSOR IS NOT ALIVE (CSDCPUAL).
4	(4)	ADDRESS	4	TOBPTBVT	VIRTUAL POINTER INTO CURRENT TRACE BUFFER VECTOR TABLE (TBVT) QUEUE FOR THE INDEXED PROCESSOR. ADDRESS OF MOST CURRENT TBVT WHEN TRACE IS SUSPENDED OR INACTIVE ON THE PROCESSOR. SERIALIZATION - DISABLEMENT ON THE PROCESSOR, OR THE TRACE ADDRESS SPACE LOCAL LOCK IF THE PROCESSOR IS NOT ALIVE (CSDCPUAL).
8	(8)	CHARACTER	8	TOBPWAE	PROCESSOR WORK AREA ESAME
8	(8)	SIGNED	4	TOBPWAW0	PART OF TOBPWAE
12	(C)	SIGNED	4	TOBPWAW1	PROCESSOR WORK AREA. SERIALIZATION - DISABLEMENT ON THE PROCESSOR.
16	(10)	CHARACTER	0	TOBPEND	END OF PROCESSOR ENTRY.

TOB Constants

Len	Type	Value	Name	Description
1	DECIMAL	1	TOBLVLN	TOB LEVEL NUMBER.

TOB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TOB	0		TOBSVACT	15	80
TOBAASCB	28		TOBTAST	17	80
TOBASCB	20		TOBTRASD	1B	02
TOBASID	26		TOBTRBR	18	80
TOBBLVL	14		TOBTRBUF	1E	
TOBDATE	4		TOBTRCI	38	
TOBDMPID	30		TOBTREXP	1B	01
TOBEND	50		TOBTRFG1	15	
TOBID	0		TOBTRFG2	16	
TOBIDENT	0		TOBTRFG3	17	
TOBMLVL	C		TOBTRMID	34	
TOBPBUF	2		TOBTRMO	18	40
TOBPE	0		TOBTROB0	18	
TOBPEAD	3C		TOBTROB4	1B	
TOBPEND	10		TOBTROPT	18	
TOBPFG1	0		TOBTRPOL	1C	
TOBPNDEA	16	80	TOBTTCHB	44	
TOBPNDOF	16	40	TOBTTCHF	40	
TOBPRSV1	1		TOBTTCHQ	40	
TOBPTBVT	4		TOBVSRB	2C	
TOBPTSA	0	80			
TOBPWAE	8				
TOBPWAW0	8				
TOBPWAW1	C				
TOBRSVD2	24				
TOBRSVD3	32				
TOBRSVD4	48				
TOBSTACT	15	40			

TOT Heading Information

Common Name: System trace operand table (TOT)
Macro ID: IHATOT
DSECT Name: TOT
Owning Component: SYSTEM TRACE (SC142)
Eye-Catcher ID: TOT
Offset: 0
Length: 4
Storage Attributes: Subpool: NUCLEUS (BELOW THE 16M LINE)
Key: 0
Size: 360 BYTES
Created by: EXISTS AS NUCLEUS RESIDENT MODULE IEAVETOT
Pointed to by: PSATOT
Serialization: N/A
Function: Create or map the table of trace operands used when issuing the trace instruction.

TOT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	392	TOT	Trace operand table
0	(0)	CHARACTER	4	TOTID	TOT EBCDIC identifier
4	(4)	CHARACTER	8	TOTDATE	Module date
12	(C)	CHARACTER	8	TOTMLVL	Module level
20	(14)	UNSIGNED	1	TOTBLVL	Control block level number
21	(15)	CHARACTER	3	TOTRSD1	Reserved
24	(18)	UNSIGNED	4	TOTNUME	Number of table entries
28	(1C)	UNSIGNED	4	TOTRSD2	Reserved
32	(20)	CHARACTER	0	TOTTOTE	Start of table entries
32	(20)	CHARACTER	8	TOTSSCH	TRACE OPERAND FOR TYPE SSCH.
		1...		TOTSSCHI	TRACE INHIBIT BIT.
40	(28)	CHARACTER	8	TOTMSCH	TRACE OPERAND FOR TYPE MSCH.
		1...		TOTMSCHI	TRACE INHIBIT BIT.
48	(30)	CHARACTER	8	TOTHSCH	TRACE OPERAND FOR TYPE HSCH.
		1...		TOTHSCHI	TRACE INHIBIT BIT.
56	(38)	CHARACTER	8	TOTCSCH	TRACE OPERAND FOR TYPE CSCH.
		1...		TOTCSCHI	TRACE INHIBIT BIT.
64	(40)	CHARACTER	8	TOTRSCH	TRACE OPERAND FOR TYPE RSCH.
		1...		TOTRSCHI	TRACE INHIBIT BIT.
72	(48)	CHARACTER	8	TOTEXT	TRACE OPERAND FOR TYPE EXT.
		1...		TOTEXTI	TRACE INHIBIT BIT.
80	(50)	CHARACTER	8	TOTEMS	TRACE OPERAND FOR TYPE EMS.
		1...		TOTEMSI	TRACE INHIBIT BIT.
88	(58)	CHARACTER	8	TOTSS	TRACE OPERAND FOR TYPE SS.
		1...		TOTSSI	TRACE INHIBIT BIT.
96	(60)	CHARACTER	8	TOTCALL	TRACE OPERAND FOR TYPE CALL.
		1...		TOTCALLI	TRACE INHIBIT BIT.
104	(68)	CHARACTER	8	TOTCLKC	TRACE OPERAND FOR TYPE CLKC.
		1...		TOTCLKCI	TRACE INHIBIT BIT.
112	(70)	CHARACTER	8	TOTSVC	TRACE OPERAND FOR TYPE SVC.
		1...		TOTSVCI	TRACE INHIBIT BIT.
120	(78)	CHARACTER	8	TOTSVCR	TRACE OPERAND FOR TYPE SVCR.
		1...		TOTSVCRI	TRACE INHIBIT BIT.
128	(80)	CHARACTER	8	TOTSVCE	TRACE OPERAND FOR TYPE SVCE.
		1...		TOTSVCEI	TRACE INHIBIT BIT.
136	(88)	CHARACTER	8	TOTPGM	TRACE OPERAND FOR TYPE PGM.
		1...		TOTPGMI	TRACE INHIBIT BIT.
144	(90)	CHARACTER	8	TOTSPER	TRACE OPERAND FOR TYPE SPER.

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Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		1...		TOTSPERI	TRACE INHIBIT BIT.
152	(98)	CHARACTER	8	TOTIO	TRACE OPERAND FOR TYPE IO.
		1...		TOTIOI	TRACE INHIBIT BIT.
160	(A0)	CHARACTER	8	TOTDSP	TRACE OPERAND FOR TYPE DSP.
		1...		TOTDSPI	TRACE INHIBIT BIT.
168	(A8)	CHARACTER	8	TOTSRB	TRACE OPERAND FOR TYPE SRB.
		1...		TOTSRBI	TRACE INHIBIT BIT.
176	(B0)	CHARACTER	8	TOTSSRB	TRACE OPERAND FOR TYPE SSRB.
		1...		TOTSSRBI	TRACE INHIBIT BIT.
184	(B8)	CHARACTER	8	TOTWAIT	TRACE OPERAND FOR TYPE WAIT.
		1...		TOTWAITI	TRACE INHIBIT BIT.
192	(C0)	CHARACTER	8	TOTMCH	TRACE OPERAND FOR TYPE MCH.
		1...		TOTMCHI	TRACE INHIBIT BIT.
200	(C8)	CHARACTER	8	TOTRST	TRACE OPERAND FOR TYPE RST.
		1...		TOTRSTI	TRACE INHIBIT BIT.
208	(D0)	CHARACTER	8	TOTACR	TRACE OPERAND FOR TYPE ACR.
		1...		TOTACRI	TRACE INHIBIT BIT.
216	(D8)	CHARACTER	8	TOTSUSP	TRACE OPERAND FOR TYPE SUSP.
		1...		TOTSUSPI	TRACE INHIBIT BIT.
224	(E0)	CHARACTER	8	TOTALTR	TRACE OPERAND FOR TYPE ALTR.
		1...		TOTALTRI	TRACE INHIBIT BIT.
232	(E8)	CHARACTER	8	TOTSSRV	TRACE OPERAND FOR TYPE SSRV.
		1...		TOTSSRVI	TRACE INHIBIT BIT.
240	(F0)	CHARACTER	8	TOTUSR0	TRACE OPERAND FOR TYPE USR0.
		1...		TOTUSR0I	TRACE INHIBIT BIT.
248	(F8)	CHARACTER	8	TOTUSR1	TRACE OPERAND FOR TYPE USR1.
		1...		TOTUSR1I	TRACE INHIBIT BIT.
256	(100)	CHARACTER	8	TOTUSR2	TRACE OPERAND FOR TYPE USR2.
		1...		TOTUSR2I	TRACE INHIBIT BIT.
264	(108)	CHARACTER	8	TOTUSR3	TRACE OPERAND FOR TYPE USR3.
		1...		TOTUSR3I	TRACE INHIBIT BIT.
272	(110)	CHARACTER	8	TOTUSR4	TRACE OPERAND FOR TYPE USR4.
		1...		TOTUSR4I	TRACE INHIBIT BIT.
280	(118)	CHARACTER	8	TOTUSR5	TRACE OPERAND FOR TYPE USR5.
		1...		TOTUSR5I	TRACE INHIBIT BIT.
288	(120)	CHARACTER	8	TOTUSR6	TRACE OPERAND FOR TYPE USR6.
		1...		TOTUSR6I	TRACE INHIBIT BIT.
296	(128)	CHARACTER	8	TOTUSR7	TRACE OPERAND FOR TYPE USR7.
		1...		TOTUSR7I	TRACE INHIBIT BIT.
304	(130)	CHARACTER	8	TOTUSR8	TRACE OPERAND FOR TYPE USR8.
		1...		TOTUSR8I	TRACE INHIBIT BIT.
312	(138)	CHARACTER	8	TOTUSR9	TRACE OPERAND FOR TYPE USR9.
		1...		TOTUSR9I	TRACE INHIBIT BIT.
320	(140)	CHARACTER	8	TOTUSRA	TRACE OPERAND FOR TYPE USRA.
		1...		TOTUSRAI	TRACE INHIBIT BIT.
328	(148)	CHARACTER	8	TOTUSRB	TRACE OPERAND FOR TYPE USRB.
		1...		TOTUSRBI	TRACE INHIBIT BIT.
336	(150)	CHARACTER	8	TOTUSRC	TRACE OPERAND FOR TYPE USRC.
		1...		TOTUSRCI	TRACE INHIBIT BIT.
344	(158)	CHARACTER	8	TOTUSRD	TRACE OPERAND FOR TYPE USRD.
		1...		TOTUSRDI	TRACE INHIBIT BIT.
352	(160)	CHARACTER	8	TOTUSRE	TRACE OPERAND FOR TYPE USRE.
		1...		TOTUSREI	TRACE INHIBIT BIT.
360	(168)	CHARACTER	8	TOTUSRF	TRACE OPERAND FOR TYPE USRF.
		1...		TOTUSRFI	TRACE INHIBIT BIT.
368	(170)	CHARACTER	8	TOTRCVY	TRACE OPERAND FOR TYPE RCVY.
		1...		TOTRCVYI	TRACE INHIBIT BIT.
376	(178)	CHARACTER	8	TOTTIME	TRACE OPERAND FOR TYPE TIME.
		1...		TOTTIMEI	TRACE INHIBIT BIT.
384	(180)	CHARACTER	8	TOTSIGA	TRACE OPERAND FOR TYPE SIGA.
		1...		TOTSIGAI	TRACE INHIBIT BIT.
392	(188)	CHARACTER	0	TOTEND	End of TOT

TOT Constants

Len	Type	Value	Name	Description
1	DECIMAL	1	TOTLVLN	TOT level number

TOT Cross Reference

Name	Hex Offset	Hex Value
TOT	0	
TOTACR	D0	
TOTACRI	D0	80
TOTALTR	E0	
TOTALTRI	E0	80
TOTBLVL	14	
TOTCALL	60	
TOTCALLI	60	80
TOTCLKC	68	
TOTCLKCI	68	80
TOTCSCH	38	
TOTCSCHI	38	80
TOTDATE	4	
TOTDSP	A0	
TOTDSPI	A0	80
TOTEMS	50	
TOTEMSI	50	80
TOTEND	188	
TOTEXT	48	
TOTEXTI	48	80
TOTHSCH	30	
TOTHSCHI	30	80
TOTID	0	
TOTIO	98	
TOTIOI	98	80
TOTMCH	C0	
TOTMCHI	C0	80
TOTMLVL	C	
TOTMSCH	28	
TOTMSCHI	28	80
TOTNUME	18	
TOTPGM	88	
TOTPGMI	88	80
TOTRCVY	170	
TOTRCVYI	170	80
TOTRSCH	40	
TOTRSCHI	40	80
TOTRSD1	15	
TOTRSD2	1C	
TOTRST	C8	
TOTRSTI	C8	80
TOTSIGA	180	
TOTSIGAI	180	80
TOTSPER	90	
TOTSPERI	90	80
TOTSRB	A8	
TOTSRBI	A8	80
TOTSS	58	
TOTSSCH	20	
TOTSSCHI	20	80
TOTSSI	58	80
TOTSSRB	B0	
TOTSSRBI	B0	80
TOTSSRV	E8	
TOTSSRVI	E8	80
TOTSUSP	D8	
TOTSUSPI	D8	80
TOTSVC	70	
TOTSVCE	80	
TOTSVCEI	80	80
TOTSVCI	70	80
TOTSVCR	78	
TOTSVCRI	78	80
TOTTIME	178	
TOTTIMEI	178	80
TOTTOTE	20	
TOTUSRA	140	
TOTUSRAI	140	80
TOTUSRB	148	
TOTUSRBI	148	80
TOTUSRC	150	
TOTUSRCI	150	80
TOTUSRD	158	
TOTUSRDI	158	80
TOTUSRE	160	
TOTUSREI	160	80
TOTUSRF	168	
TOTUSRFI	168	80
TOTUSR0	F0	
TOTUSR0I	F0	80
TOTUSR1	F8	
TOTUSR1I	F8	80
TOTUSR2	100	
TOTUSR2I	100	80
TOTUSR3	108	
TOTUSR3I	108	80
TOTUSR4	110	
TOTUSR4I	110	80
TOTUSR5	118	
TOTUSR5I	118	80
TOTUSR6	120	
TOTUSR6I	120	80
TOTUSR7	128	
TOTUSR7I	128	80
TOTUSR8	130	
TOTUSR8I	130	80
TOTUSR9	138	
TOTUSR9I	138	80
TOTWAIT	B8	
TOTWAITI	B8	80

TPC Programming Interface information

Programming Interface information

TPC

ONLY the following field is part of the programming interface information:

- TPCSDIE

End of Programming Interface information

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TPC Heading Information

Common Name: TIMER SUPERVISION WORK AREA
Macro ID: IEAVVTPC
DSECT Name: TPC
Owning Component: TIMER SUPERVISION (SC1CV)
Eye-Catcher ID: ' TPC'
Offset: 0
Length: 4
Storage Attributes: Subpool: 245
Key: 0
Residency: below 16 Meg line
Size: 424 BYTES (DECIMAL)
Created by: IEATPC
Pointed to by: CVTTPC
Serialization: Dispatcher lock
Function: PROVIDE DATA MAPPING OF THE TPC.

TPC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TPC	,TPCPTR
0	(0)	DBL WORD	8	IEATPC (0)	TIMER SUPERVISION WORK AREA
0	(0)	CHARACTER	4	TPCTPCA	TPC IDENTIFICATION
4	(4)	BITSTRING	1	TPCFLGS1	TPCA FLAG BYTE 1
		1...		TPCABND	"X'80'" REAL TQES ABENDED
		.1..		TPCSYNC	"X'40'" SYNC CHECK OCCURRED
		..1.		TPCUNKWN	"X'20'" IO CLOCK STAT UNKNOWN
		...1		TPCPRMPT	"X'10'" OPERATOR PROMPTING REQUIRED DURING TOD CLOCK INITIALIZATION. CONTROLLED BY SYS1.PARMLIB MEMBER CLOCKXX OPERATOR STATEMENT
		.... 1...		TPCIPLSC	"X'08'" TOD SYNC CHECK OCCURRED DURING IPL
		.... .1..		TPCSIM	"X'04'" SIMETRID SPECIFIED IN SYS1.PARMLIB MEMBER CLOCKXX
		.... ..1.		TPCDIAG220	"X'02'" Diagnose 220 is available to retrieve the epoch value.
		1		TPCSTCKE	"X'01'" STCKE and related hardware installed
5	(5)	BITSTRING	2		RESERVED
7	(7)	BITSTRING	1	TPCCC	STCK CONDITION CODE
8	(8)	SIGNED	4	TPCTZORG	IPL TIME ZONE CONSTANT
12	(C)	ADDRESS	4	TPCHDCCQ	HEAD OF REAL TIME QUEUE
16	(10)	CHARACTER	4	TPCDMTQE	DUMMY TQE
20	(14)	ADDRESS	4	DFD	DUMMY TQE
24	(18)	ADDRESS	4		DUMMY TQE
28	(1C)	SIGNED	2		DUMMY TQE
30	(1E)	BITSTRING	1		DUMMY TQE
31	(1F)	BITSTRING	1		DUMMY TQE
32	(20)	BITSTRING	8		DUMMY TQE
40	(28)	CHARACTER	4	TPCMNTQE	MIDNIGHT TQE
44	(2C)	SIGNED	4		MIDNIGHT TQE
48	(30)	SIGNED	4		MIDNIGHT TQE
52	(34)	SIGNED	2		MIDNIGHT TQE
54	(36)	BITSTRING	1		MIDNIGHT TQE
55	(37)	BITSTRING	1		MIDNIGHT TQE
56	(38)	SIGNED	4	MNIGHT (2)	MIDNIGHT TQE
64	(40)	CHARACTER	4	TPCMFTQE	RMF TQE
68	(44)	SIGNED	4		RMF TQE
72	(48)	SIGNED	4		RMF TQE
76	(4C)	SIGNED	2		RMF TQE
78	(4E)	BITSTRING	1		RMF TQE
79	(4F)	BITSTRING	1		RMF TQE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
80	(50)	SIGNED	4	(2)	RMF TQE
88	(58)	CHARACTER	4	IEATSELM	SYSTEM RESOURCES MANAGER TQE
92	(5C)	SIGNED	4		SYSTEM RESOURCES MANAGER TQE
96	(60)	SIGNED	4		SYSTEM RESOURCES MANAGER TQE
100	(64)	SIGNED	2		SYSTEM RESOURCES MANAGER TQE
102	(66)	BITSTRING	1		SYSTEM RESOURCES MANAGER TQE
103	(67)	BITSTRING	1		SYSTEM RESOURCES MANAGER TQE
104	(68)	SIGNED	4	(2)	SYSTEM RESOURCES MANAGER TQE
112	(70)	CHARACTER	4	TPCLMTQE	TIME LIMIT CHECKING TQE
116	(74)	SIGNED	4		TIME LIMIT CHECKING TQE
120	(78)	SIGNED	4		TIME LIMIT CHECKING TQE
124	(7C)	SIGNED	2		TIME LIMIT CHECKING TQE
126	(7E)	BITSTRING	1		TIME LIMIT CHECKING TQE
127	(7F)	BITSTRING	1		TIME LIMIT CHECKING TQE
128	(80)	SIGNED	4	(2)	TIME LIMIT CHECKING TQE
136	(88)	SIGNED	4	TPCIDCNT	COUNT OF LAST STIMERM ID ASSIGNED
140	(8C)	ADDRESS	4	TPCSTPC	ADDRESS OF SECONDARY TIMER WORK AREA (STPC).
144	(90)	CHARACTER	4	TPCSSTQE	ETR SUBSET MONITOR TQE
148	(94)	SIGNED	4		ETR SUBSET MONITOR TQE
152	(98)	SIGNED	4		ETR SUBSET MONITOR TQE
156	(9C)	SIGNED	2		ETR SUBSET MONITOR TQE
158	(9E)	BITSTRING	1		ETR SUBSET MONITOR TQE
159	(9F)	BITSTRING	1		ETR SUBSET MONITOR TQE
160	(A0)	SIGNED	4	(2)	ETR SUBSET MONITOR TQE
168	(A8)	BITSTRING	90	TPCRS0A8	RESERVED
258	(102)	SIGNED	2	TPCSYSNM	HW copy of CPLXSYSNUM
260	(104)	ADDRESS	4	TPCESMR	"V(IEATESMR)" ADDRESS OF IEATESMR
264	(108)	SIGNED	4	TPCWORK (2)	WORK AREA
272	(110)	SIGNED	4	TPCMISC (18)	WORK AREA
344	(158)	ADDRESS	4	TPCVPTR	"V(IEAVRNEW)" ADDR OF VARY ONLINE ROUTINE
348	(15C)	ADDRESS	4	TPCFRRP	"V(IEAVRFRR)" ADDR OF TIMER FRR
352	(160)	SIGNED	4	TPCCRSAV	SAVE AREA FOR CR 0
356	(164)	SIGNED	4	TPCTCWA	ADDR OF TOD WORKAREA
360	(168)	SIGNED	4	TPCRSRB (11)	
404	(194)	ADDRESS	4	TPCCKQ	"V(IEAVRCKQ)" ADDRESS OF IEAVRCKQ
408	(198)	ADDRESS	4	TPCCLA	ADDRESS OF IEAVRCLA
412	(19C)	ADDRESS	4	TPCSDIE	"V(IEAVRDIE)" ADDRESS OF SETDIE
416	(1A0)	ADDRESS	4	TPCOCL	"V(IEAVROCL)" ADDRESS OF IEAVROCL
420	(1A4)	ADDRESS	4	TPCTTOC	"V(IEATTOC)" ADDRESS OF IEATTOC

TPC Cross Reference

Name	Hex Offset	Hex Value
DFD	14	
IEATPC	0	
IEATSELM	58	40E3D8C5
MNIGHT	38	0
TPC	0	
TPCABND	4	80
TPCCC	7	0
TPCCKQ	194	
TPCCLA	198	
TPCCRSAV	160	0
TPCDIAG220	4	2
TPCDMTQE	10	40E3D8C5
TPCESMR	104	
TPCFLGS1	4	0
TPCFRRP	15C	
TPCHDCCQ	C	
TPCIDCNT	88	0
TPCIPLSC	4	8
TPCLMTQE	70	40E3D8C5
TPCMFTQE	40	40E3D8C5
TPCMISC	110	0
TPCMNTQE	28	40E3D8C5
TPCOCL	1A0	
TPCPRMPT	4	10
TPCRSRB	168	0
TPCRS0A8	A8	
TPCSDIE	19C	
TPCSIM	4	4
TPCSSTQE	90	40E3D8C5
TPCSTCKE	4	1
TPCSTPC	8C	
TPCSYNC	4	40
TPCSYSNM	102	0
TPCTCWA	164	0
TPCTPCA	0	40E3D7C3
TPCTTOC	1A4	
TPCTZORG	8	0
TPCUNKWN	4	20
TPCVPTR	158	
TPCWORK	108	0

TQE Programming Interface Information

Programming Interface Information

TQE

ONLY the following fields are part of the programming interface:

- TQEAID
- TQEAMODE
- TQEASCB
- TQEDREGS
- TQEEXIT
- TQETCB
- TQEVAL
- TQEXMODE

End of Programming Interface Information

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TQE Heading Information

Common Name: Timer Queue Element
Macro ID: IHATQE
DSECT Name: TQE
Owning Component: Timer Supervisor (SC1CV)
Subpool and Key: 253 (task) or 245 (real/wait) and key 0
(Residence - above the line)
Size: 128 bytes
Created by: IEAVRT00 (STIMER function) or SETDIE user
Pointed to by: PCCATQEP field of the PCCA data area
TQEFLNK field of the TQE data area (forward link)
TQEBLNK field of the TQE data area (backward link)
TCBTQE field of the TCB data area
Serialization: Dispatcher lock
Function: Each TQE represents a time interval.

TQE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TQE	,TQEPTR TIMER QUEUE ELEMENT
0	(0)	DBL WORD	8	(0)	
0	(0)	CHARACTER	4	TQETQE	TQE IDENTIFICATION
4	(4)	ADDRESS	4	TQEFLNK	ADDRESS OF NEXT TQE
8	(8)	ADDRESS	4	TQEBLNK	ADDRESS OF PREVIOUS TQE
12	(C)	SIGNED	2	TQEAID	REQUESTORS ASID
14	(E)	BITSTRING	1	TQEFLGS	TQE FLAG BYTE 1
		1...		TQEOFF	"X'80'" TQE IS OFF TIMER QUEUE
		.1..		TQETOD	"X'40'" TOD OPTION SPECIFIED
		..1.		TQEGMT	"X'20'" GMT OPTION SPECIFIED
		...1		TQEWLIM	"X'10'" WAIT LIMIT EXCEEDED
		.... 1...		TQEINCOM	"X'08'" INTERVAL IS COMPLETE
		.... .1..		TQEXITSP	"X'04'" AN EXIT WAS SPECIFIED
		11		TQETYPE	"X'03'" TQE TYPE 00=TASK TYPE 01=WAIT TYPE 11=REAL TYPE
15	(F)	BITSTRING	1	TQEFLGS2	TQE FLAG BYTE 2
		1...		TQECOMP	"X'80'" REAL TQE IS BEING TIMED
		.1..		TQEUSER	"X'40'" NON SYSTEM TQE
		..1.		TQEETRSS	"X'20'" ETR SUBSET MONITOR TQE
		...1		TQEDUM	"X'10'" DUMMY SYSTEM TQE
		.... 1...		TQELM	"X'08'" TIME LIMIT CHECKING SYSTEM TQE
		.... .1..		TQEOPT	"X'04'" SYSTEM RESOURCES MANAGER TQE
		.... ..1.		TQEMF1	"X'02'" RMF SYSTEM TQE
		1		TQEMIDN	"X'01'" MIDNIGHT SYSTEM TQE
16	(10)	SIGNED	4	TQEVAL (2)	EXPIRATION TIME OR TIME LEFT
24	(18)	ADDRESS	4	TQESADDR	ADDRESS OF PP SAVE AREA
28	(1C)	ADDRESS	4	TQEEXIT	ADDRESS OF USER EXIT RTN
		1...		TQEXMODE	"X'80'" AMODE OF EXIT ROUTINE
28	(1C)	X'1C'	0	TQEECB	"TQEEXIT" ECB IF WAIT TYPE TQE
32	(20)	ADDRESS	4	TQETCB	ADDRESS OF USER TCB
36	(24)	ADDRESS	4	TQEASCB	ADDRESS OF USER ASCB
40	(28)	SIGNED	4	TQELHPSW	FIRST WORD OF CURRENT PSW
44	(2C)	CHARACTER	44	TQESRB	SRB
44	(2C)	SIGNED	4	TQEDREGS (11)	DIE ENTRY.
88	(58)	BITSTRING	1	TQEFLGS3	TQE FLAG BYTE 3
		1...		TQEDIE	"X'80'" DIE TQE
		.1..		TQEAMODE	"X'40'" EXIT AMODE IN TQEXMODE
		..1.		TQEPURGE	"X'20'" TQE SHOULD BE PURGED BY IEAVRSAE WHEN IT GETS CONTROL AS A RESULT OF AN ERROR DURING STIMER(M) WAIT. SERIALIZATION: LOCAL LOCK

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
89	(59)	BITSTRING	2	TQERS059	RESERVED
91	(5B)	BITSTRING	1	TQELEVEL	- TQE LEVEL INDICATOR
92	(5C)	SIGNED	4	TQEID	- STIMERM REQUEST ID
96	(60)	ADDRESS	4	TQELINK	- ADDRESS OF NEXT TQE ON ACTIVE TQE (TCBTME) QUEUE
100	(64)	SIGNED	4	TQEPARAM	- USER EXIT ROUTINE PARAMETER
104	(68)	BITSTRING	12	TQERS068	RESERVED
116	(74)	SIGNED	4	TQERSAVE	REG SAVE AREA -SETDIE
120	(78)	SIGNED	4	TQESTCK (2)	STCK AREA FOR SETDIE
120	(78)	X'78'	0	TQESTCKL	"TQESTCK" STCK AREA-LEFT HALF
120	(78)	X'7C'	0	TQESTCKR	"TQESTCK+4" STCK AREA-RIGHT HALF
128	(80)	CHARACTER	1	TQEEND (0)	END OF TQE
128	(80)	X'80'	0	TQELEN	"TQEEND-TQE" LENGTH OF TQE

TQE Cross Reference

Name	Hex Offset	Hex Value
TQE	0	
TQEAID	C	
TQEAMODE	58	40
TQEASCB	24	
TQEBLNK	8	
TQECOMP	F	80
TQEDIE	58	80
TQEDREGS	2C	
TQEDUM	F	10
TQEECB	1C	1C
TQEEND	80	
TQEETRSS	F	20
TQEEXIT	1C	
TQEFLGS	E	
TQEFLGS2	F	
TQEFLGS3	58	
TQEFLNK	4	
TQEGMT	E	20
TQEID	5C	
TQEINCOM	E	8
TQELEN	80	80
TQELEVEL	5B	
TQELHPSW	28	
TQELINK	60	
TQELM	F	8
TQEMF1	F	2
TQEMIDN	F	1
TQEOFF	E	80
TQEOPT	F	4
TQEPARAM	64	
TQEPURGE	58	20
TQERSAVE	74	
TQERS059	59	
TQERS068	68	
TQESADDR	18	
TQESRB	2C	
TQESTCK	78	
TQESTCKL	78	78
TQESTCKR	78	7C
TQETCB	20	
TQETOD	E	40
TQETQE	0	
TQETYPE	E	3
TQEUSER	F	40
TQEVAL	10	
TQEWLIM	E	10
TQEXITSP	E	4
TQEXMODE	1C	80

TRBP Programming Interface information

Programming Interface information

TRBP

End of Programming Interface information

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TRBP Heading Information

Common Name: RESOURCES MANAGER TRANSACTION REPORTING BASIC PARAMETER LIST
Macro ID: IHATRBPL
DSECT Name: TRBP
Owning Component: SYSTEMS RESOURCE MANAGER (SC1CX)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: VARIABLE
Key: VARIABLE
Size: 40 BYTES
Created by: ISSUERS OF TRANSACTION-REPORTING SYSEVENTS TRAXRPT AND TRAXFRPT
Pointed to by: THE ADDRESS OF THE TRBP IS CONTAINED IN REGISTER 1 WHEN THE SYSEVENT IS ISSUED.
Serialization: NONE
Function: THE TRBP MAPS THE PARAMETER LIST PASSED BY CALLERS OF THE TRANSACTION REPORTING SYSEVENTS TRAXRPT AND TRAXFRPT. THIS IS A BASIC PARAMETER LIST CONTAINING THE TIME AND TRANSACTION DESCRIPTION.

TRBP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TRBP	
0	(0)	DBL WORD	8	TRBPSTIM	- TRANSACTION START TIME (STCK FORMAT)
0	(0)	X'0'	0	TRBPETIM	"TRBPSTIM" - FULL WORD ELAPSED TIME (1.024 MS)
0	(0)	X'4'	0	TRBPRSVD	"TRBPSTIM+4" - RESERVED
8	(8)	DBL WORD	8	TRBPICSP (0)	TRANSACTION DESCRIPTION
8	(8)	CHARACTER	8	TRBPSSNM	- SUBSYSTEM NAME
16	(10)	CHARACTER	8	TRBPTRXN	- TRANSACTION NAME
24	(18)	CHARACTER	8	TRBPUSID	- USERID
32	(20)	CHARACTER	8	TRBPTRXC	- TRANSACTION CLASS
36	(24)	SIGNED	4	TRBPREF	FIELD TO PERMIT REFERENCING END OF PARAMETER LIST
40	(28)	DBL WORD	8	TRBPEND (0)	- END OF TRBP TABLE
40	(28)	X'28'	0	TRBPLEN	"TRBPEND-TRBP" - LENGTH OF TRBP TABLE

TRBP Cross Reference

Name	Hex Offset	Hex Value
TRBP	0	
TRBPEND	28	
TRBPETIM	0	0
TRBPICSP	8	
TRBPLEN	28	28
TRBPREF	24	
TRBPRSVD	0	4
TRBPSSNM	8	
TRBPSTIM	0	
TRBPTRXC	20	
TRBPTRXN	10	
TRBPUSID	18	

TRCT Heading Information

Common Name: System Trace COPYTRC Parameter List
Macro ID: IHATRCT
DSECT Name: TRCT
Owning Component: System Trace (SC142)
Subpool and Key: Any subpool, key 0 (Residence - above 16M line)
Size: 24 bytes
Created by: IEAVTSDM - SVC Dump Trace routine
IEAVETNP - System Trace Formatter Dump Data Initialization Routine
IEAVETPW - System Trace Formatter Prime Work Buffer Routine
IEAVETRW - System Trace Formatter Refill Work Buffer Routine
Pointed to by: Parameter list passed to COPYTRC service.
Serialization: N/A
Function: Contains parameters for system trace table snapshot data extraction routine (IEAVETSD).

TRCT Map

Offsets					
Dec	Hex	Type	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	TRCT	SYSTEM TRACE DATA COPYTRC PARAMETER LIST.
0	(0)	CHARACTER	4	TRCTID	TRCT EBCDIC IDENTIFIER.
4	(4)	UNSIGNED	1	TRCTBLVL	CONTROL BLOCK LEVEL NUMBER.
5	(5)	CHARACTER	3	TRCTRSV1	RESERVED.
8	(8)	ADDRESS	4	TRCTTTCH	TTCH ADDRESS.
12	(C)	ADDRESS	4	TRCTFROM	SOURCE ADDRESS WITHIN TTCH FOR DATA COPY.
16	(10)	UNSIGNED	4	TRCTLEN	LENGTH OF DATA TO BE COPIED.
20	(14)	ADDRESS	4	TRCTTO	TARGET ADDRESS IN PRIMARY ADDRESS SPACE OF INVOKER FOR DATA COPY.
24	(18)	CHARACTER	0	TRCTEND	END OF TRCT.

TRCT Constants

Len	Type	Value	Name	Description
1	DECIMAL	1	TRCTLVLN	TRCT LEVEL NUMBER.

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TREP Programming Interface information

Programming Interface information

TREP

End of Programming Interface information

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TREP Heading Information

Common Name: RESOURCES MANAGER TRANSACTION REPORTING EXTENDED PARAMETER LIST
Macro ID: IHATREPL
DSECT Name: TREP
Owning Component: SYSTEMS RESOURCE MANAGER (SC1CX)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: VARAIABLE
Key: VARIABLE
Size: 72 BYTES
Created by: ISSUERS OF TRANSACTION-REPORTING SYSEVENT TRAXERPT
Pointed to by: THE ADDRESS OF THE TREP IS CONTAINED IN REGISTER 1 WHEN THE SYSEVENT IS ISSUED.
Serialization: NONE
Function: THE TREP MAPS THE PARAMETER LIST PASSED BY CALLERS OF THE TRANSACTION REPORTING SYSEVENT TRAXERPT. THIS IS AN EXTENDED PARAMETER LIST CONTAINING THE TIME, TRANSACTION DESCRIPTION, AND SERVICE DATA.

TREP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TREP	
0	(0)	SIGNED	4	TREPREF (0)	FIELD TO PERMIT REFERENCING FIRST WORD IN PARM LIST
0	(0)	DBL WORD	8	TREPSTIM	- TRANSACTION START TIME (STCK FORMAT)
8	(8)	DBL WORD	8	TREPICSV (0)	- DESCRIPTION/SERVICE
8	(8)	DBL WORD	8	TREPICSP (0)	- TRANSACTION DESCRIPTION
8	(8)	CHARACTER	8	TREPSSNM	- SUBSYSTEM NAME
16	(10)	CHARACTER	8	TREPTRXN	- TRANSACTION NAME
24	(18)	CHARACTER	8	TREPUSID	- USERID
32	(20)	CHARACTER	8	TREPTRXC	- TRANSACTION CLASS
40	(28)	DBL WORD	8	TREPSVCE (0)	- SERVICE PARAMETERS
40	(28)	DBL WORD	8	TREPCPUT	- CPU TIME (STCK FORMAT)
48	(30)	DBL WORD	8	TREPSRBT	- SRB TIME (STCK FORMAT)
56	(38)	DBL WORD	8	TREPMSOT	- MAIN STORAGE OCCUPANCY (PAGE-MSECS)
64	(40)	SIGNED	4	TREPIOCT	- LOGICAL I/O COUNT
68	(44)	CHARACTER	1	TREPFLGS	- FLAG BITS
		1...		TREPDCTI	"BIT0" - 1 IF TREPIOCT CONTAINS DCTI, 0 IF TREPIOCT CONTAINS LOGICAL I/O COUNT
69	(45)	CHARACTER	3	TREPRSVD	- RESERVED
72	(48)	DBL WORD	8	TREPEND (0)	- END OF TREP TABLE
72	(48)	X'48'	0	TREPLEN	"TREPEND-TREP" - LENGTH OF TREP TABLE

TREP Cross Reference

Name	Hex Offset	Hex Value
TREP	0	
TREPCPUT	28	
TREPDCTI	44	80
TREPEND	48	
TREPFLGS	44	
TREPICSP	8	
TREPICSV	8	
TREPIOCT	40	
TREPLEN	48	48
TREPMSOT	38	
TREPREF	0	
TREPRSVD	45	
TREPSRBT	30	
TREPSSNM	8	
TREPSTIM	0	
TREPSVCE	28	
TREPTRXC	20	
TREPTRXN	10	
TREPUSID	18	

TRFM Heading Information

Common Name: System Trace Table Format Request Parameter List
Macro ID: IHATRFM
DSECT Name: TRFM
Owning Component: System Trace (SC142)
Subpool and Key: Any subpool, key 0 (Residence - above 16M line)
Size: 24 bytes
Created by: IEAVAD0C - Supervisor Trace formatting
Pointed to by: Parameter list passed to system trace formatter controller (IEAVETFC).
Serialization: N/A
Function: Contain information about a request to format a system trace table.

TRFM Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	TRFM	TRACE TABLE FORMAT REQUEST PARAMETER LIST.
0	(0)	CHARACTER	4	TRFMID	TRFM EBCDIC IDENTIFIER.
4	(4)	UNSIGNED	1	TRFMBLVL	CONTROL BLOCK VERSION NUMBER.
5	(5)	CHARACTER	3	TRFMRSV1	RESERVED.
8	(8)	ADDRESS	4	TRFMTTCH	ADDRESS OF THE TTCH.
12	(C)	ADDRESS	4	TRFMASD	ADDRESS OF ASIDLIST. THE ASIDLIST CONSISTS OF PAIRS OF ASID RANGES. THE LIST MUST CONTAIN A 0TH ENTRY WITH TWO ZERO ASIDS. THE 0TH ENTRY IS NOT COUNTED IN TRFMASCT.
16	(10)	BITSTRING	1	TRFMOPT1	TRACE TABLE FORMAT OPTIONS BYTE 1.
		1...		TRFMALL	FORMAT TTES FOR ALL ASIDS.
		.1..		TRFMCUR	FORMAT TTES FOR THE CURRENT ADDRESS SPACE.
		..1.		TRFMFAS	FILTER TTCH TRACE ENTRIES USING ASIDLIST.
		...1		TRFMBR	FORMAT BRANCH TTES.
		 1111		*	RESERVED.
17	(11)	BITSTRING	1	TRFMRSV2	RESERVED.
18	(12)	UNSIGNED	2	TRFMASCT	COUNT OF ASID RANGES IN THE ASIDLIST (EXCLUDING 0TH ENTRY).
20	(14)	UNSIGNED	4	TRFMRSV3	RESERVED.
24	(18)	CHARACTER	0	TRFMEND	END OF TRFM.

TRFM Constants

Len	Type	Value	Name	Description
1	DECIMAL	1	TRFMLVLN	TRFM LEVEL NUMBER.

TRFM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TRFM	0		TRFMRSV2	11	
TRFMALL	10	80	TRFMRSV3	14	
TRFMASCT	12		TRFMTTCH	8	
TRFMASD	C				
TRFMBLVL	4				
TRFMBR	10	10			
TRFMCUR	10	40			
TRFMEND	18				
TRFMFAS	10	20			
TRFMID	0				
TRFMOPT1	10				
TRFMRSV1	5				

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TROB Map

Common Name: SYSTEM TRACE TABLE FORMATTER OUTPUT BUFFER
Macro ID: IHATROB
DSECT Name: TROB
Owning Component: SYSTEM TRACE (SC142)
Eye-Catcher ID: None
Storage Attributes: Subpool: SUBPOOL 229, KEY 0 - WHEN IEAVETFC IS CALLED BY SNAP.
SUBPOOL 0, KEY OF CALLER - WHEN IEAVETFC IS CALLED BY IPCS.
Key: See subpool
Data Space: No
Size: 120
Created by: IEAVETEF - SYSTEM TRACE TABLE ENTRY FILTER/FORMATTER ROUTINE
Pointed to by: TFWACURB (CURRENT OUTPUT BUFFER)
Serialization: N/A
Function: MAP THE SYSTEM TRACE TABLE FORMATTER OUTPUT BUFFER

TROB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	TROB	TRACE OUTPUT BUFFER.
0	(0)	CHARACTER	2	TROBPRID	PROCESSOR IDENTIFIER.
2	(2)	CHARACTER	1	TROBDNAP	NONBLANK WHEN DATA NOT AVAILABLE FOR ALL PROCESSORS.
3	(3)	CHARACTER	117	TROBREST (0)	ALL BUT THE PROCESSOR ID.
3	(3)	CHARACTER	4	TROBASID	ASID.
7	(7)	CHARACTER	1	TROBS02	BLANK.
8	(8)	CHARACTER	8	TROBTCBA	TCB ADDRESS.
16	(10)	CHARACTER	2	TROBS03	2 BLANKS.
18	(12)	CHARACTER	5	TROBIDEN (0)	TTE IDENTIFIER.
18	(12)	CHARACTER	1	TROBEYEC	IMPORTANT TTE EYE-CATCHER.
19	(13)	CHARACTER	4	TROBID	MNEMONIC/ACRONYM FOR TTE.
23	(17)	CHARACTER	1	TROBS04	BLANK.
24	(18)	CHARACTER	4	TROBCDE	INTERRUPT CODE/DEVICE ADDRESS.
28	(1C)	CHARACTER	1	TROBS05	BLANK.
29	(1D)	CHARACTER	8	TROBWD1 (0)	FULLWORD SLOT NUMBER 1.
29	(1D)	CHARACTER	8	TROBPSW1 (0)	1ST HALF OF PSW ('PSW-----').
29	(1D)	CHARACTER	4	TROBW1H1 (0)	WORD 1,HALFWORD 1.
29	(1D)	CHARACTER	2	TROBW1B1 (0)	WORD 1, BYTE 1.
29	(1D)	CHARACTER	2	TROBCC	CONDITION CODE.
31	(1F)	CHARACTER	2	TROBW1B2	WORD 1, BYTE 2.
33	(21)	CHARACTER	4	TROBW1H2 (0)	WORD 1,HALFWORD 2.
33	(21)	CHARACTER	2	TROBW1B3 (0)	WORD 1, BYTE 3.
33	(21)	CHARACTER	2	TROBDI	DRIVER ID.
35	(23)	CHARACTER	2	TROBW1B4	WORD 1, BYTE 4.
37	(25)	CHARACTER	1	TROBS06	BLANK.
38	(26)	CHARACTER	8	TROBWD2 (0)	FULLWORD SLOT NUMBER 2.
38	(26)	CHARACTER	8	TROBPSW2 (0)	2ND HALF OF PSW ('ADDRESS-').
38	(26)	CHARACTER	8	TROBRET (0)	RETURN ADDRESS.
38	(26)	CHARACTER	4	TROBW2H1 (0)	WORD 2,HALFWORD 1.
38	(26)	CHARACTER	2	TROBW2B1	WORD 2, BYTE 1.
40	(28)	CHARACTER	2	TROBW2B2	WORD 2, BYTE 2.
42	(2A)	CHARACTER	4	TROBW2H2 (0)	WORD 2,HALFWORD 1.
42	(2A)	CHARACTER	2	TROBW2B3	WORD 2, BYTE 3.
44	(2C)	CHARACTER	2	TROBW2B4	WORD 2, BYTE 4.
46	(2E)	CHARACTER	2	TROBS07	2 BLANKS.
48	(30)	CHARACTER	8	TROBWD3 (0)	FULLWORD SLOT NUMBER 3.
48	(30)	CHARACTER	8	TROBUNQ1 (0)	'UNIQUE-1' SLOT.
48	(30)	CHARACTER	4	TROBW3H1 (0)	WORD 3,HALFWORD 1.
48	(30)	CHARACTER	2	TROBW3B1	WORD 3, BYTE 1.
50	(32)	CHARACTER	2	TROBW3B2	WORD 3, BYTE 2.
52	(34)	CHARACTER	4	TROBW3H2 (0)	WORD 3,HALFWORD 1.
52	(34)	CHARACTER	2	TROBW3B3	WORD 3, BYTE 3.
54	(36)	CHARACTER	2	TROBW3B4	WORD 3, BYTE 4.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
56	(38)	CHARACTER	1	TROBS08	BLANK.
57	(39)	CHARACTER	8	TROBWD4 (0)	FULLWORD SLOT NUMBER 4.
57	(39)	CHARACTER	8	TROBUNQ2 (0)	'UNIQUE-2' SLOT.
57	(39)	CHARACTER	4	TROBW4H1 (0)	WORD 4,HALFWORD 1.
57	(39)	CHARACTER	2	TROBW4B1	WORD 4, BYTE 1.
59	(3B)	CHARACTER	2	TROBW4B2	WORD 4, BYTE 2.
61	(3D)	CHARACTER	4	TROBW4H2 (0)	WORD 4,HALFWORD 1.
61	(3D)	CHARACTER	2	TROBW4B3	WORD 4, BYTE 3.
63	(3F)	CHARACTER	2	TROBW4B4	WORD 4, BYTE 4.
65	(41)	CHARACTER	1	TROBS09	BLANK.
66	(42)	CHARACTER	8	TROBWD5 (0)	FULLWORD SLOT NUMBER 5.
66	(42)	CHARACTER	8	TROBUNQ3 (0)	'UNIQUE-3' SLOT.
66	(42)	CHARACTER	4	TROBW5H1 (0)	WORD 5,HALFWORD 1.
66	(42)	CHARACTER	2	TROBW5B1	WORD 5, BYTE 1.
68	(44)	CHARACTER	2	TROBW5B2	WORD 5, BYTE 2.
70	(46)	CHARACTER	4	TROBW5H2 (0)	WORD 5,HALFWORD 1.
70	(46)	CHARACTER	2	TROBW5B3	WORD 5, BYTE 3.
72	(48)	CHARACTER	2	TROBW5B4	WORD 5, BYTE 4.
74	(4A)	CHARACTER	2	TROBS10	2 BLANKS.
76	(4C)	CHARACTER	8	TROBWD6 (0)	FULLWORD SLOT NUMBER 6.
76	(4C)	CHARACTER	8	TROBCLHS (0)	PSACLHS.
76	(4C)	CHARACTER	4	TROBW6H1 (0)	WORD 6,HALFWORD 1.
76	(4C)	CHARACTER	2	TROBW6B1	WORD 6, BYTE 1.
78	(4E)	CHARACTER	2	TROBW6B2	WORD 6, BYTE 2.
80	(50)	CHARACTER	4	TROBW6H2 (0)	WORD 6,HALFWORD 1.
80	(50)	CHARACTER	2	TROBW6B3	WORD 6, BYTE 3.
82	(52)	CHARACTER	2	TROBW6B4	WORD 6, BYTE 4.
84	(54)	CHARACTER	1	TROBS11	BLANK.
85	(55)	CHARACTER	8	TROBWD7 (0)	FULLWORD SLOT NUMBER 7.
85	(55)	CHARACTER	8	TROBLOCL (0)	PSALOCAL.
85	(55)	CHARACTER	4	TROBW7H1 (0)	WORD 7,HALFWORD 1.
85	(55)	CHARACTER	2	TROBW7B1	WORD 7, BYTE 1.
87	(57)	CHARACTER	2	TROBW7B2	WORD 7, BYTE 2.
89	(59)	CHARACTER	4	TROBW7H2 (0)	WORD 7,HALFWORD 1.
89	(59)	CHARACTER	2	TROBW7B3	WORD 7, BYTE 3.
91	(5B)	CHARACTER	2	TROBW7B4	WORD 7, BYTE 4.
93	(5D)	CHARACTER	1	TROBS12	BLANK.
94	(5E)	CHARACTER	26	TROBS89A (0)	FULLWORD SLOTS 8 9 AND 10.
94	(5E)	CHARACTER	4	TROBPASN	PRIMARY ASID (PASID).
98	(62)	CHARACTER	1	TROBS13	BLANK.
99	(63)	CHARACTER	4	TROBSASN	SECONDARY ASID (SASID).
103	(67)	CHARACTER	1	TROBS14	BLANK.
104	(68)	CHARACTER	16	TROBTIME (0)	TIMESTAMP-RECORD.
104	(68)	CHARACTER	8	TROBTIM1	TIMESTAMP-RECORD (1ST HALF).
112	(70)	CHARACTER	8	TROBTIM2	TIMESTAMP-RECORD (2ND HALF).
94	(5E)	CHARACTER	8	TROBWD8	FULLWORD SLOT NUMBER 8.
102	(66)	CHARACTER	1	TROBS15	BLANK.
103	(67)	CHARACTER	8	TROBWD9	FULLWORD SLOT NUMBER 9.
111	(6F)	CHARACTER	1	TROBS16	BLANK.
112	(70)	CHARACTER	8	TROBWDA	FULLWORD SLOT NUMBER 10.
112	(70)	X'5C'	0	TROBEYEV	"C'*'" EYE-CATCHER VALUE FOR TTES WITH DEBUGGING IMPORTANCE.

TROB Cross Reference

Name	Hex Offset	Hex Value
TROB	0	
TROBASID	3	
TROBCC	1D	
TROBCDE	18	
TROBCLHS	4C	
TROBDI	21	
TROBDNAP	2	
TROBEYEC	12	
TROBEYEV	70	5C
TROBID	13	
TROBIDEN	12	
TROBLOCL	55	
TROBPASN	5E	
TROBPRID	0	
TROBPSW1	1D	
TROBPSW2	26	
TROBREST	3	
TROBRET	26	
TROBSASN	63	
TROBS02	7	
TROBS03	10	
TROBS04	17	
TROBS05	1C	
TROBS06	25	
TROBS07	2E	
TROBS08	38	
TROBS09	41	
TROBS10	4A	
TROBS11	54	
TROBS12	5D	
TROBS13	62	
TROBS14	67	
TROBS15	66	
TROBS16	6F	
TROBS89A	5E	
TROBTCBA	8	
TROBTIME	68	
TROBTIM1	68	
TROBTIM2	70	
TROBUNQ1	30	
TROBUNQ2	39	
TROBUNQ3	42	
TROBWDA	70	
TROBWD1	1D	
TROBWD2	26	
TROBWD3	30	
TROBWD4	39	
TROBWD5	42	
TROBWD6	4C	
TROBWD7	55	
TROBWD8	5E	
TROBWD9	67	
TROBW1B1	1D	
TROBW1B2	1F	
TROBW1B3	21	
TROBW1B4	23	
TROBW1H1	1D	
TROBW1H2	21	
TROBW2B1	26	
TROBW2B2	28	
TROBW2B3	2A	
TROBW2B4	2C	
TROBW2H1	26	
TROBW2H2	2A	
TROBW3B1	30	
TROBW3B2	32	
TROBW3B3	34	
TROBW3B4	36	
TROBW3H1	30	
TROBW3H2	34	
TROBW4B1	39	
TROBW4B2	3B	
TROBW4B3	3D	
TROBW4B4	3F	
TROBW4H1	39	
TROBW4H2	3D	
TROBW5B1	42	
TROBW5B2	44	
TROBW5B3	46	
TROBW5B4	48	
TROBW5H1	42	
TROBW5H2	46	
TROBW6B1	4C	
TROBW6B2	4E	
TROBW6B3	50	
TROBW6B4	52	
TROBW6H1	4C	
TROBW6H2	50	
TROBW7B1	55	
TROBW7B2	57	
TROBW7B3	59	
TROBW7B4	5B	
TROBW7H1	55	
TROBW7H2	59	

TRSN Heading Information

Common Name: System Trace SNAPTRC Parameter List
Macro ID: IHATRSN
DSECT Name: TRSN
Owning Component: System Trace (SC142)
Subpool and Key: Any Subpool and key 0 (Residence - above 16M line)
Size: 32 bytes
Created by: Invoker of SNAPTRC or ASIDTRC services.
IEAVAD00 - SVC 51 (SNAP or SVCDUMP)
IEAVAD01 - SNAP Mainline
IEAVTABD - ABDUMP
IEAVTRT2 - RTM2 Initialization (SVC 13 entry point)
IEAVTSDC - SVC Dump Clean Up Routine
IEAVTSDM - SVC Dump Trace Routine
IEAVTSDR - SVC Dump Resource Manager
IEAVTSDX - SVC Dump Branch Entry
IEAVETRM - System Trace Task/Address Space Termination Resource Manager
Pointed to by: Parameter list passed to SNAPTRC and ASIDTRC services.
Serialization: N/A
Function: Contain parameters for SNAPTRC and ASIDTRC services.

TRSN Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	32	TRSN	TRACE SNAPTRC PARAMETER LIST.
0	(0)	CHARACTER	4	TRSNID	TRSN EBCDIC IDENTIFIER.
4	(4)	UNSIGNED	1	TRSNBLVL	CONTROL BLOCK LEVEL NUMBER.
5	(5)	CHARACTER	1	TRSNRSV1	RESERVED.
6	(6)	CHARACTER	2	TRSNLLID	ASID OF LOCAL LOCK HELD BY WORK SCHEDULING SRB TO ISSUE SNAPTRC.
8	(8)	CHARACTER	2	TRSNTYPE	REQUEST TYPE.
10	(A)	CHARACTER	2	TRSNASID	OWNING ASID FOR SNAPTRC TRSNSNAP REQUEST, FILTER ASID FOR ASIDTRC TRSNATRC REQUEST, ASID OF TRACE ADDRESS SPACE RETURNED FOR THESE REQUESTS.
12	(C)	ADDRESS	4	TRSNTTCH	TTCH ADDRESS.
16	(10)	UNSIGNED	4	TRSNLEN	LENGTH OF TTCH.
20	(14)	ADDRESS	4	TRSNTCB	ADDRESS OF TERMINATING TCB FOR SNAPTRC TRSNTKFR REQUEST.
24	(18)	CHARACTER	8	TRSNRSV2	RESERVED.
32	(20)	CHARACTER	0	TRSNEND	END OF TRSN.

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TRSN Constants

Len	Type	Value	Name	Description
1	DECIMAL	1	TRSNLVLN	TRSN LEVEL NUMBER.
1	DECIMAL	1	TRSNSNAP	SNAPTRC REQUEST TYPE TO SNAPSHOT THE TRACE TABLE.
1	DECIMAL	2	TRSNATRC	ASIDTRC REQUEST TYPE TO FILTER A TRACE TABLE SNAPSHOT (TTCH).
1	DECIMAL	3	TRSNFREE	SNAPTRC REQUEST TYPE TO FREE A TTCH.
1	DECIMAL	4	TRSNTKFR	SNAPTRC REQUEST TYPE TO FREE ALL TTCHS OWNED BY THE SPECIFIED TASK AND ASID.
1	DECIMAL	5	TRSNASFR	SNAPTRC REQUEST TYPE TO FREE ALL TTCHS OWNED BY THE SPECIFIED ASID.

TRSN Cross Reference

Name	Hex Offset	Hex Value
TRSN	0	
TRSNASID	A	
TRSNBLVL	4	
TRSNEND	20	
TRSNID	0	
TRSNLEN	10	
TRSNLLID	6	
TRSNRSV1	5	
TRSNRSV2	18	
TRSNTCB	14	
TRSNTTCH	C	
TRSNTYPE	8	

TRST Heading Information

Common Name: System Trace Status Parameter List
Macro ID: IEEZB901
DSECT Name: TRST
Owning Component: System Trace (SC142)
Subpool and Key: Any subpool and key 0 (Residence - above 16M line) .
Size: 24 bytes
Created by: IEECB806 - TRACE Command Processor
Pointed to by: Parameter list passed to trace status service.
Serialization: N/A
Function: Contain system trace status information which describes the current state of system trace.

TRST Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	TRST	SYSTEM TRACE STATUS PARAMETER LIST.
0	(0)	CHARACTER	4	TRSTID	TRST EBCDIC IDENTIFIER.
4	(4)	UNSIGNED	1	TRSTBLVL	CONTROL BLOCK LEVEL NUMBER.
5	(5)	CHARACTER	3	TRSTRSV1	RESERVED.
8	(8)	BITSTRING	4	TRSTSTFG	SYSTEM TRACE STATUS FLAGS.
8	(8)	BITSTRING	1	*	
		1...		TRSTACT	SYSTEM TRACE ACTIVE.
9	(9)	BITSTRING	2	*	
11	(B)	BITSTRING	1	TRSTSTF4	STATUS FLAGS BYTE 4.
		1111 1...		*	
		.... .1..		TRSTBR	BRANCH TRACING ACTIVE.
		.... ..1.		TRSTAS	ASID TRACING ACTIVE.
		1		TRSTEX	EXPLICIT TRACING ACTIVE.
12	(C)	UNSIGNED	4	TRSTSZPT	SPACE ALLOCATED FROM SYSTEM TRACE BUFFERS ON EACH PROCESSOR IN UNITS OF K BYTES.
16	(10)	UNSIGNED	4	TRSTSZTT	SPACE ALLOCATED FOR SYSTEM TRACE TABLE IN UNITS OF K BYTES.
20	(14)	CHARACTER	4	TRSTRSV2	RESERVED.
24	(18)	CHARACTER	0	TRSTEND	END OF TRST.

TRST Constants

Len	Type	Value	Name	Description
1	DECIMAL	1	TRSTLVLN	TRST LEVEL NUMBER.

TRST Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TRST	0		TRSTSZTT	10	
TRSTACT	8	80			
TRSTAS	B	02			
TRSTBLVL	4				
TRSTBR	B	04			
TRSTEND	18				
TRSTEX	B	01			
TRSTID	0				
TRSTRSV1	5				
TRSTRSV2	14				
TRSTSTFG	8				
TRSTSTF4	B				
TRSTSZPT	C				

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TRVT Programming Interface information

Programming Interface information

TRVT

INCLUDE ONLY

End of Programming Interface information

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TRVT Heading Information

Common Name: System trace vector table (TRVT)
Macro ID: IHATRVT
DSECT Name: TRVT
Owning Component: System trace (SC142)
Eye-Catcher ID: TRVT
Offset: 0
Length: 4
Storage Attributes: Subpool: Nucleus
Key: 0
Residency: LOC(BELOW)
Size:
Created by: Exists as nucleus resident module IEAVETVT
Pointed to by: PSATRVT
Serialization: N/A
Function: Contain addresses of system trace service routines and control blocks.

TRVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TRVT	TRACE VECTOR TABLE.
0	(0)	CHARACTER	4	TRVTID	TRVT EBCDIC IDENTIFIER.
4	(4)	CHARACTER	8	TRVTDATE	MODULE DATE.
12	(C)	CHARACTER	8	TRVTMLVL	MODULE LEVEL.
20	(14)	BITSTRING	1	TRVTBLVL	CONTROL BLOCK LEVEL NUMBER.
21	(15)	CHARACTER	3	TRVTRSD1	RESERVED.
24	(18)	ADDRESS	4	TRVTTOB	ADDRESS OF TRACE OPTION BLOCK.
28	(1C)	ADDRESS	4	TRVTETAT	ADDRESS OF ALTRTRC SERVICE INTERFACE.
32	(20)	ADDRESS	4	TRVTETST	ADDRESS OF SNAPTRC SERVICE INTERFACE.
36	(24)	ADDRESS	4	TRVTETAF	ADDRESS OF ASIDTRC SERVICE INTERFACE.
40	(28)	ADDRESS	4	TRVTETSC	ADDRESS OF TRACE STORAGE CHECK RECOVERY ROUTINE.
44	(2C)	ADDRESS	4	TRVTETRR	ADDRESS OF TRACE RECEIVING ROUTINE.
48	(30)	ADDRESS	4	TRVTETCT	ADDRESS OF COPYTRC SERVICE INTERFACE.
52	(34)	ADDRESS	4	TRVTETTV	ADDRESS OF VERFYTRC SERVICE INTERFACE.
56	(38)	ADDRESS	4	TRVTETFR	ADDRESS OF TRACE SERVICES GENERAL FRR.
60	(3C)	ADDRESS	4	TRVTETTD	ADDRESS OF TRACE TIMER DIE ROUTINE.
64	(40)	ADDRESS	4	TRVTRSD2	RESERVED.
68	(44)	ADDRESS	4	TRVTRSD3	RESERVED.
72	(48)	BITSTRING	4	TRVTRPMK	REGISTER PAIR INDICATOR MASK.
76	(4C)	BITSTRING	4	TRVTTCW1	MASK TO CLEAR THE TRACING CONTROL BITS FROM BITS 32-63 OF A CR12 VALUE. A DUPLICATE OF THIS CONSTANT IS DEFINED IN THE DAT-OFF PROGRAM CHECK FLIH (IEAVEPCO) WHICH MUST CHANGE IF THIS CONSTANT CHANGES.
80	(50)	BITSTRING	4	TRVTTPSR	TIME INTERVAL THAT SYSTEM TRACE PROCESSOR STRUCTURE IS RETAINED AFTER ACR OR VARY PROCESSOR OFFLINE. X'00000001' IS 1.048576 SECONDS.
84	(54)	ADDRESS	4	TRVTETSS	ADDRESS OF START SUBCHANNEL TTE CREATION ROUTINE.
88	(58)	ADDRESS	4	TRVTETMS	ADDRESS OF MODIFY SUBCHANNEL TTE CREATION ROUTINE.
92	(5C)	ADDRESS	4	TRVTETHS	ADDRESS OF HALT SUBCHANNEL TTE CREATION ROUTINE.
96	(60)	ADDRESS	4	TRVTETCS	ADDRESS OF CLEAR SUBCHANNEL TTE CREATION ROUTINE.
100	(64)	ADDRESS	4	TRVTETRS	ADDRESS OF RESUME SUBCHANNEL TTE CREATION ROUTINE.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
104	(68)	ADDRESS	4	TRVTETEX	ADDRESS OF EXTERNAL INTERRUPT TTE CREATION ROUTINE.
108	(6C)	ADDRESS	4	TRVTETSV	ADDRESS OF SVC INTERRUPT TTE CREATION ROUTINE.
112	(70)	ADDRESS	4	TRVTETSR	ADDRESS OF SVC RETURN TTE CREATION ROUTINE.
116	(74)	ADDRESS	4	TRVTETSE	ADDRESS OF SVC ERROR TTE CREATION ROUTINE.
120	(78)	ADDRESS	4	TRVTETPI	ADDRESS OF PROGRAM INTERRUPT TTE CREATION ROUTINE.
124	(7C)	ADDRESS	4	TRVTETIO	ADDRESS OF I/O INTERRUPT TTE CREATION ROUTINE.
128	(80)	ADDRESS	4	TRVTETDP	ADDRESS OF TASK DISPATCH TTE CREATION ROUTINE.
132	(84)	ADDRESS	4	TRVTETIS	ADDRESS OF INITIAL SRB DISPATCH TTE CREATION ROUTINE.
136	(88)	ADDRESS	4	TRVTETSB	ADDRESS OF SUSPENDED SRB DISPATCH TTE CREATION ROUTINE.
140	(8C)	ADDRESS	4	TRVTETWT	ADDRESS OF WAIT TASK DISPATCH TTE CREATION ROUTINE.
144	(90)	ADDRESS	4	TRVTETMH	ADDRESS OF MACHINE CHECK TTE CREATION ROUTINE.
148	(94)	ADDRESS	4	TRVTETRE	ADDRESS OF RESTART TTE CREATION ROUTINE.
152	(98)	ADDRESS	4	TRVTETAR	ADDRESS OF ACR TTE CREATION ROUTINE.
156	(9C)	ADDRESS	4	TRVTETSU	ADDRESS OF SUSPENSION TTE CREATION ROUTINE.
160	(A0)	ADDRESS	4	TRVTETTA	ADDRESS OF TRACE ALTERATION TTE CREATION ROUTINE.
164	(A4)	ADDRESS	4	TRVTETUR	ADDRESS OF USER EVENT TTE CREATION ROUTINE.
168	(A8)	ADDRESS	4	TRVTETSL	ADDRESS OF SLIP/PER EVENT TTE CREATION ROUTINE.
172	(AC)	ADDRESS	4	TRVTETSY	ADDRESS OF PC OR BRANCH ENTERED SYSTEM SERVICE TTE CREATION ROUTINE.
176	(B0)	ADDRESS	4	TRVTETRV	ADDRESS OF RCVY TTE CREATION ROUTINE.
180	(B4)	ADDRESS	4	TRVTETTM	ADDRESS OF TIME TTE CREATION ROUTINE
184	(B8)	ADDRESS	4	TRVTETSA	ADDR OF SIGA CREATION RTN
188	(BC)	BITSTRING	4	TRVTTCTX	MASK TO PRESERVE ONLY THE TRACE CONTROL BITS FROM A CR12 VALUE. THIS IS TRVTTCW1 XC'D WITH "-1"
192	(C0)	BITSTRING	4	TRVTTCTO	MASK TO PRESERVE ONLY THE TRACE CONTROL BITS IN THE OPTION WORD.
196	(C4)	BITSTRING	4	TRVTTCW0	MASK TO CLEAR THE TRACING CONTROL BITS FROM BITS 0-31 OF CR12. A DUPLICATE OF THIS CONSTANT IS DEFINED IN THE DAT-OFF PROGRAM CHECK FLIH (IEAVEPCO) WHICH MUST CHANGE IF THIS CONSTANT CHANGES. ONLY USED IN ESAME
200	(C8)	ADDRESS	4	TRVTRSD8	RESERVED FOR FUTURE USE
204	(CC)	ADDRESS	4	TRVTRSD9	RESERVED FOR FUTURE USE
208	(D0)	ADDRESS	4	TRVTRSDA	RESERVED FOR FUTURE USE
212	(D4)	ADDRESS	4	TRVTSPIT	ADDRESS OF SERVICE PROCESSOR INTERFACE MODULE THAT GATHERS DATA FOR THE SS TYPE ENTRY
216	(D8)	ADDRESS	4	TRVTRSDB	RESERVED FOR FUTURE USE
220	(DC)	ADDRESS	4	TRVTRSDC	RESERVED FOR FUTURE USE
224	(E0)	ADDRESS	4	TRVTRSDD	RESERVED FOR FUTURE USE
228	(E4)	ADDRESS	4	TRVTRSDE	RESERVED FOR FUTURE USE
232	(E8)	DBL WORD	8	TRVTEND (0)	END OF TRVT.
		....[1]		TRVTLVLN	"X'01'" TRVT LEVEL NUMBER.

TRVT Cross Reference

Name	Hex Offset	Hex Value
TRVT	0	
TRVTBLVL	14	
TRVTDATE	4	
TRVTEND	E8	
TRVTETAF	24	
TRVTETAR	98	
TRVTETAT	1C	
TRVTETCS	60	
TRVTETCT	30	
TRVTETDP	80	
TRVTETEX	68	
TRVTETFR	38	
TRVTETHS	5C	
TRVTETIO	7C	
TRVTETIS	84	
TRVTETMH	90	
TRVTETMS	58	
TRVTETPI	78	
TRVTETRE	94	
TRVTETRR	2C	
TRVTETRS	64	
TRVTETRV	B0	
TRVTETSA	B8	
TRVTETSB	88	
TRVTETSC	28	
TRVTETSE	74	
TRVTETSL	A8	
TRVTETSR	70	
TRVTETSS	54	
TRVTETST	20	
TRVTETSU	9C	
TRVTETSV	6C	
TRVTETSY	AC	
TRVTETTA	A0	
TRVTETTD	3C	
TRVTETTM	B4	
TRVTETTV	34	
TRVTETUR	A4	
TRVTETWT	8C	
TRVTID	0	
TRVTLVLN	E8	1
TRVTMLVL	C	
TRVTRPMK	48	80000000
TRVTRSDA	D0	
TRVTRSDB	D8	
TRVTRSDC	DC	
TRVTRSDD	E0	
TRVTRSDE	E4	
TRVTRSD1	15	
TRVTRSD2	40	
TRVTRSD3	44	
TRVTRSD8	C8	
TRVTRSD9	CC	
TRVTSPIT	D4	
TRVTTCTO	C0	
TRVTTCTX	BC	
TRVTTCW0	C4	
TRVTTCW1	4C	
TRVTTOB	18	
TRVTTPSR	50	

TTCH Heading Information

Common Name: System Trace Table Snapshot Copy Header
Macro ID: IHATTCH
DSECT Name: TTCH, TTCHBS
Owning Component: System Trace (SC142)
Subpool and Key: Subpool 229 and key 0 (Residence - above 16M line) .
Size: 184 bytes plus (the number of processors with TRACE data X number of buffers per processor X (40 + 4K))
Created by: IEAVETSN - System Trace Table Snapshot Routine.
IEAVETTF - System Trace Table Snapshot Filter Routine.
Pointed to by: PRDTTCH (SVC Dump), TFWATTCH, TOBTTCHF, TOBTTCHB, TRFMTTCH, TRSNTTCH, TTCHFWRD, TTCHBWRD
Serialization: System trace address space local lock.
Function: Contain information which describes a copy of the trace table.

TTCH Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	184	TTCH	TRACE TABLE COPY HEADER.
0	(0)	CHARACTER	4	TTCHID	TTCH EBCDIC IDENTIFIER.
4	(4)	UNSIGNED	1	TTCHBLVL	CONTROL BLOCK LEVEL NUMBER.
5	(5)	BITSTRING	1	TTCHFLGS	TTCH FLAGS.
		1...		TTCHATRC	TTCH PRE-FILTERED BY ASID BY THE ASIDTRC SERVICE.
6	(6)	CHARACTER	2	TTCHRSV1	RESERVED.
8	(8)	ADDRESS	4	TTCHFWRD	FORWARD CHAIN POINTER.
12	(C)	ADDRESS	4	TTCHBWRD	BACKWARD CHAIN POINTER.
16	(10)	UNSIGNED	4	TTCHSIZE	TOTAL SIZE OF THE COPY AREA.
20	(14)	CHARACTER	2	TTCHRSV2	RESERVED.
22	(16)	UNSIGNED	2	TTCHASID	ASID OWNING TTCH.
24	(18)	ADDRESS	4	TTCHTCB	TCB OWNING TTCH OR 0.
28	(1C)	UNSIGNED	2	TTCHNUMP	NUMBER OF PROCESSOR AREAS FOLLOWING WITH TRACE DATA.
30	(1E)	UNSIGNED	2	TTCHMBUF	MAXIMUM NUMBER OF 4K BUFFERS FOR A PROCESSOR.
32	(20)	CHARACTER	8	TTCHTOD	TIME OF DAY FROM ASCB OF OWNING ASID.
40	(28)	CHARACTER	16	TTCHRSV3	RESERVED.
56	(38)	CHARACTER	8	TTCHPH (16)	PROCESSOR HEADER.
56	(38)	UNSIGNED	2	TTCHNUMB	NUMBER OF 4K BUFFERS FOR THIS PROCESSOR.
58	(3A)	UNSIGNED	2	TTCHCPID	PROCESSOR ID.
60	(3C)	ADDRESS	4	TTCHBPTR	POINTER TO A PROCESSOR SECTION CONSISTING OF THE GIVEN NUMBER (TTCHNUMB) OF BUFFER SECTIONS.
64	(40)	CHARACTER	0	TTCHPEND	END OF PROCESSOR HEADER SECTION OF TTCH.
184	(B8)	CHARACTER	0	TTCHEND	END OF TTCH.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	40	TTCHBS (*)	BUFFER SECTION.
0	(0)	ADDRESS	4	TTCHCPTR	POINTER TO COPY OF 4K TRACE BUFFER.
4	(4)	SIGNED	4	TTCHCLEN	LENGTH OF VALID DATA IN THE COPY OF THE 4K TRACE BUFFER.
8	(8)	CHARACTER	24	TTCHBST	BUFFER STATUS. (COPIED FROM TBVTBST, COPIED TO TFWABST)
8	(8)	CHARACTER	2	TTCHBFGS	STATE FLAGS.
8	(8)	CHARACTER	1	TTCHBFG1	STATE FLAGS.
		1...		TTCHBLST	TRACE BUFFER(S) HAS BEEN LOST. NO TRACE DATA IS AVAILABLE TO BE PROCESSED.

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Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.1..		TTCHCLST	CONTROL INFORMATION FOR THE TRACE BUFFER HAS BEEN LOST. TRACE DATA MAY EXIST IN THE BUFFER, BUT THE END OF THE TRACE DATA IS NOT KNOWN.
		..1.		TTCHITTE	INVALID TTE FOUND IN TRACE DATA BY ASIDTRC SERVICE.
9	(9)	CHARACTER	1	TTCHBFG2	STATE FLAGS.
10	(A)	UNSIGNED	2	TTCHBSA	SASID AT TIME BUFFER BECAME CURRENT.
12	(C)	UNSIGNED	2	TTCHBHA	HASID AT TIME BUFFER BECAME CURRENT.
14	(E)	UNSIGNED	2	TTCHBPA	PASID AT TIME BUFFER BECAME CURRENT.
16	(10)	ADDRESS	4	TTCHBTB	PSATOLD AT TIME BUFFER BECAME CURRENT.
20	(14)	SIGNED	4	TTCHBCNT	BUFFER USE COUNT.
24	(18)	CHARACTER	8	TTCHBTOD	TIME OF DAY BUFFER BECAME CURRENT.
32	(20)	CHARACTER	8	TTCHBSAT	TIME OF DAY AT BUFFER SATURATION.
40	(28)	CHARACTER	0	TTCHBEND	END OF BUFFER SECTION OF TTCH.

TTCH Constants

Len	Type	Value	Name	Description
1	DECIMAL	1	TTCHLVLN	TTCH LEVEL NUMBER.

TTCH Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TTCH	0		TTCHTOD	20	
TTCHASID	16				
TTCHATRC	5	80			
TTCHBCNT	14				
TTCHBEND	28				
TTCHBFGS	8				
TTCHBFG1	8				
TTCHBFG2	9				
TTCHBHA	C				
TTCHBLST	8	80			
TTCHBLVL	4				
TTCHBPA	E				
TTCHBPTR	3C				
TTCHBS	0				
TTCHBSA	A				
TTCHBSAT	20				
TTCHBST	8				
TTCHBTB	10				
TTCHBTOD	18				
TTCHBWRD	C				
TTCHCLEN	4				
TTCHCLST	8	40			
TTCHCPID	3A				
TTCHCPTR	0				
TTCHEND	B8				
TTCHFLGS	5				
TTCHFWRD	8				
TTCHID	0				
TTCHITTE	8	20			
TTCHMBUF	1E				
TTCHNUMB	38				
TTCHNUMP	1C				
TTCHPEND	40				
TTCHPH	38				
TTCHRSV1	6				
TTCHRSV2	14				
TTCHRSV3	28				
TTCHSIZE	10				
TTCHTCB	18				

TTE Programming Interface information

Programming Interface information

TTE

ONLY the following fields are part of the programming interface information:

- TTEXP
- TTE07F
- TTE07FAD
- TTE07FCI
- TTE07FHA
- TTE07FPA
- TTE07FPI
- TTE07FRB
- TTE07FRV
- TTE07FSA
- TTE07FTB

End of Programming Interface information

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TTE Heading Information

Common Name: System trace table entry (TTE)
Macro ID: IHATTE
DSECT Name: TTE
Owning Component: System trace (SC142)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 245 IN TRACING BUFFERS CREATED BY IEAVNIP0. 255 IN TRACING BUFFERS CREATED BY IEAVETEA.
Key: 0
Size: DEPENDS ON TYPE OF ENTRY.
Created by: IMPLICITLY BY THE HARDWARE OR EXPLICITLY BY:
SYSTEM TRACE TABLE ENTRY CREATION ROUTINES (IEAVETRC),
THE DISPATCHER (PTRACE IN IEAVEDS0),
EXIT PROLOGUE ROUTINE (PTRACE IN IEAVEEXP),
AND SVC FLIH (PTRACE IN IEAVESVC).
Pointed to by: CONTROL REGISTER 12
TBVTCR12
TBVTENTY
PARAMETER 3 FOR ITRF0N7F, THE USRN FORMATTING ROUTINES,
WHERE N IS 0-9.
Serialization: DISABLEMENT ON THE PROCESSOR AND ZEROED
TRACING CONTROL BITS IN CONTROL REGISTER 12.
Function: CONTAIN THE INFORMATION FROM EACH TRACE ENTRY.

TTE Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TTE	TRACE TABLE ENTRY.
0	(0)	CHARACTER	4	(0)	MINIMUM TRACE TABLE ENTRY.
					Comment GENERAL EXPLICIT TTE End of Comment
0	(0)	CHARACTER	12	TTEXP (0)	EXPLICIT TRACE TABLE ENTRY.
0	(0)	BITSTRING	1	TTETYPE	TRACE TABLE ENTRY TYPE (X'7N').
		.111		TTETEX	"X'70'" EXPLICIT TTE TYPE (X'7N').
		1111		TTEMEX	"X'F0'" MASK FOR EXPLICIT TTE TYPE.
		 1111		TTEREGS	"X'0F'" MASK FOR ONE LESS THAN THE NUMBER OF REGISTERS IN THE TTE.
1	(1)	BITSTRING	1	TTEMBZ1	RESERVED. (MUST BE ZERO)
2	(2)	BITSTRING	6	TTETOD	TOD-CLOCK BITS 16-63.
8	(8)	BITSTRING	4	TTETOTE (0)	TRACE OPERAND TABLE ENTRY.
8	(8)	BITSTRING	2		FLAG BYTES.
10	(A)	SIGNED	2	TTEXPTYP (0)	EXPLICIT ENTRY TYPE.
10	(A)	BITSTRING	1	TTEXPSID	EXPLICIT ENTRY SUB-ID.
		 1111		TTEMSID	"X'0F'" MASK FOR EXPLICIT TTE SUB-ID.
11	(B)	BITSTRING	1	TTEXPID	EXPLICIT ENTRY ID.
12	(C)	SIGNED	4	TTEUNQ (0)	UNIQUE ENTRY DESCRIPTIONS.
12	(C)	CHARACTER	64	TTEEXCOM (0)	EXPLICIT ENTRY COMMON FIELD NAMES.
12	(C)	CHARACTER	4	TTEWRD0 (0)	TTE WORD 0.
12	(C)	ADDRESS	4	TTETCB	TCB ADDRESS.
16	(10)	CHARACTER	4	TTEWRD1 (0)	TTE WORD 1.
16	(10)	SIGNED	2	TTEDEP	DEPENDENT ON EACH EXPLICIT TTE ENTRY.
18	(12)	SIGNED	2	TTEASID	ASID.
20	(14)	CHARACTER	4	TTEWRD2	TTE WORD 2.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
24	(18)	CHARACTER	4	TTEWRD3	TTE WORD 3.
28	(1C)	CHARACTER	4	TTEWRD4	TTE WORD 4.
32	(20)	CHARACTER	4	TTEWRD5	TTE WORD 5.
36	(24)	CHARACTER	4	TTEWRD6	TTE WORD 6.
40	(28)	CHARACTER	4	TTEWRD7	TTE WORD 7.
44	(2C)	CHARACTER	4	TTEWRD8	TTE WORD 8.
48	(30)	CHARACTER	4	TTEWRD9	TTE WORD 9.
52	(34)	CHARACTER	4	TTEWRDA	TTE WORD 10.
56	(38)	CHARACTER	4	TTEWRDB	TTE WORD 11.
60	(3C)	CHARACTER	4	TTEWRDC	TTE WORD 12.
64	(40)	CHARACTER	4	TTEWRDD	TTE WORD 13.
68	(44)	CHARACTER	4	TTEWRDE	TTE WORD 14.
72	(48)	CHARACTER	4	TTEWRDF	TTE WORD 15.
76	(4C)	SIGNED	4	TTEXPEND (0)	END OF MAXIMUM EXPLICIT TTE.
76	(4C)	X'4C'	0	TTETMAX	"76" MAXIMUM LENGTH OF EXPLICIT ENTRIES.
		1		TTEMTSCH	"X'001'" SUBCHANNEL TYPE MAJOR ID.
		11		TTEMTEXT	"X'003'" EXTERNAL INTERRUPT TYPE MAJOR ID.
		.... .1.1		TTEMTSVC	"X'005'" SVC TYPE MAJOR ID.
		 1111		TTEMTDSP	"X'00F'" DISPATCHER TYPE MAJOR ID.
		1		TTETSSCH	"X'001'" SSCH TYPE ID.
		11		TTETEXT	"X'003'" GENERAL EXT TYPE ID.
		.... .1.1		TTETSVC	"X'005'" GENERAL SVC TYPE ID.
		.... .111		TTETPGM	"X'007'" PGM TYPE ID.
		.... 1..1		TTETSPER	"X'009'" SLIP/PER TYPE ID.
		 1111		TTETDSP	"X'00F'" DSP TYPE ID.
		.... 1.11		TTETIO	"X'00B'" IO TYPE ID.
		...1 ..11		TTETMCH	"X'013'" MCH TYPE ID.
		...1 .1.1		TTETRST	"X'015'" RST TYPE ID.
		...1 .111		TTETACR	"X'017'" ACR TYPE ID.
		...1 1..1		TTETSUSP	"X'019'" SUSP TYPE ID.
		...1 1.11		TTETALTR	"X'01B'" ALTR TYPE ID.
		...1 11.1		TTETRCVY	"X'01D'" RCVY TYPE ID.
		...1 1111		TTETTIME	"X'01F'" TIME TYPE ID.
		.111 1111		TTETUSR0	"X'07F'" USR0 TYPE ID.
76	(4C)	BITSTRING	0	TTETEMS	"X'103'" EMS EXT TYPE ID.
76	(4C)	BITSTRING	0	TTETMSCH	"X'101'" MSCH TYPE ID.
76	(4C)	BITSTRING	0	TTETSVCR	"X'105'" SVCR TYPE ID.
76	(4C)	BITSTRING	0	TTETSRB	"X'10F'" SRB TYPE ID.
76	(4C)	BITSTRING	0	TTETUSR1	"X'17F'" USR1 TYPE ID.
76	(4C)	BITSTRING	0	TTETHSCH	"X'201'" HSCH TYPE ID.
76	(4C)	BITSTRING	0	TTETSS	"X'203'" SS EXT TYPE ID.
76	(4C)	BITSTRING	0	TTETSSRV	"X'205'" SSRV TYPE ID.
76	(4C)	BITSTRING	0	TTETSSRB	"X'20F'" SSRB TYPE ID.
76	(4C)	BITSTRING	0	TTETUSR2	"X'27F'" USR2 TYPE ID.
76	(4C)	BITSTRING	0	TTETCSCH	"X'301'" CSCH TYPE ID.
76	(4C)	BITSTRING	0	TTETCALL	"X'303'" EXTERNAL CALL EXT TYPE ID.
76	(4C)	BITSTRING	0	TTETUSR3	"X'37F'" USR3 TYPE ID.
76	(4C)	BITSTRING	0	TTETRSCH	"X'401'" RSCH TYPE ID.
76	(4C)	BITSTRING	0	TTETCLKC	"X'403'" CLOCK COMPARATOR EXT TYPE ID.
76	(4C)	BITSTRING	0	TTETUSR4	"X'47F'" USR4 TYPE ID.
76	(4C)	BITSTRING	0	TTETSIGA	"X'501'" SIGA TYPE ID.
76	(4C)	BITSTRING	0	TTETUSR5	"X'57F'" USR5 TYPE ID.
76	(4C)	BITSTRING	0	TTETUSR6	"X'67F'" USR6 TYPE ID.
76	(4C)	BITSTRING	0	TTETUSR7	"X'77F'" USR7 TYPE ID.
76	(4C)	BITSTRING	0	TTETUSR8	"X'87F'" USR8 TYPE ID.
76	(4C)	BITSTRING	0	TTETUSR9	"X'97F'" USR9 TYPE ID.
76	(4C)	BITSTRING	0	TTETUSRA	"X'A7F'" USRA TYPE ID.
76	(4C)	BITSTRING	0	TTETUSRB	"X'B7F'" USRB TYPE ID.
76	(4C)	BITSTRING	0	TTETUSRC	"X'C7F'" USRC TYPE ID.
76	(4C)	BITSTRING	0	TTETUSRD	"X'D7F'" USRD TYPE ID.
76	(4C)	BITSTRING	0	TTETUSRE	"X'E7F'" USRE TYPE ID.
76	(4C)	BITSTRING	0	TTETSVCE	"X'F05'" SVC ERROR TYPE ID.
76	(4C)	BITSTRING	0	TTETWAIT	"X'F0F'" WAIT TYPE ID.
76	(4C)	BITSTRING	0	TTETUSRF	"X'F7F'" USRF TYPE ID.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					ACR - ALTERNATE CPU RECOVERY TTE
					End of Comment
12	(C)	SIGNED	4	TTE017 (0)	ACR (ACR).
12	(C)	ADDRESS	4	TTE017TB	PSATOLD FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSATOLD.
16	(10)	SIGNED	2	TTE017LP	PSACPUPA. LOGICAL PROCESSOR ADDRESS. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSACPUPA.
18	(12)	SIGNED	2	TTE017HA	HOME ADDRESS SPACE FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSAAOLD-> * ASCBASID.
20	(14)	ADDRESS	4	TTE017AD	PSAEEPSW FROM THE ACR PROCESSOR. FAILING PROCESSOR ADDRESS. * PSAEEPSW.
24	(18)	BITSTRING	1	TTE017FG	LCCACREX. ACR FLAG BYTE FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSALCCAV-> * LCCACREX.
25	(19)	BITSTRING	3	TTE017R1	RESERVED.
28	(1C)	ADDRESS	4	TTE017FR	PSACSTK. CURRENT FRR STACK ADDRESS FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSACSTK.
32	(20)	SIGNED	4	TTE017PS	PSASUPER FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSASUPER.
36	(24)	SIGNED	4	TTE017MW	PSAMODEW FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSAMODEW.
40	(28)	SIGNED	4	TTE017LH	PSACLHS FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSACLHS.
44	(2C)	ADDRESS	4	TTE017PL	PSALOCAL FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSALOCAL.
48	(30)	SIGNED	4	TTE017LE	PSACLHSE FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSACLHSE.
52	(34)	SIGNED	4	TTE017ED (0)	END OF ACR TTE.
					Comment
					ALTR - TRACE OPTIONS ALTERATION TTE
					End of Comment
12	(C)	SIGNED	4	TTE01B (0)	TRACE OPTIONS ALTERATION (ALTR).
12	(C)	ADDRESS	4	TTE01BTB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE01BR1	RESERVED.
18	(12)	SIGNED	2	TTE01BHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE01BPA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE01BSA	SASID. * CONTROL REGISTER 3.
24	(18)	SIGNED	4	TTE01BFC	REGISTER 0 TRACE FUNCTION CODE. ALTRTRC INPUT. * INPUT REGISTER 0.
28	(1C)	SIGNED	4	TTE01BAC	REGISTER 1 TRACE ACTION CODE. ALTRTRC INPUT. * INPUT REGISTER 1.
32	(20)	SIGNED	4	TTE01BPT	TOBTROPT - CONTROL REGISTER 12 MODEL FORMAT. * PSATRVT->TRVTTOB->TOBTROPT.
36	(24)	SIGNED	2	TTE01BCT	TOBTRPOL - NUMBER OF PROCESSORS WITH TRACE CURRENTLY ACTIVE AND/OR SUSPENDED. * PSATRVT->TRVTTOB->TOBTRPOL.

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
38	(26)	SIGNED	2	TTE01BBF	TOBTRBUF - NUMBER OF TRACE BUFFERS PER PROCESSOR. * PSATRVT->TRVTTOB->TOBTRBUF.
40	(28)	SIGNED	4	TTE01BED (0)	END OF ALTR TTE.

Comment

CALL - EXTERNAL CALL EXTERNAL INTERRUPT TTE

End of Comment

12	(C)	SIGNED	4	TTE303 (0)	EXTERNAL CALL EXTERNAL INTERRUPT (CALL).
12	(C)	ADDRESS	4	TTE303TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE303R1	RESERVED.
18	(12)	SIGNED	2	TTE303HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE303PA	PASID. * INPUT REGISTER 4.
22	(16)	SIGNED	2	TTE303SA	SASID. * INPUT REGISTER 4.
24	(18)	CHARACTER	8	TTE303PW (0)	EXTERNAL OLD PSW. * FLCEOPSW.
24	(18)	CHARACTER	4	TTE303P1	1ST HALF OF PSW.
28	(1C)	CHARACTER	4	TTE303P2	2ND HALF OF PSW.
32	(20)	ADDRESS	4	TTE303CD	ISSUING PROCESSOR ADDRESS AND EXTERNAL INTERRUPT CODE. * PSAEEPSW.
36	(24)	SIGNED	4	TTE303PB	PCCARPB. * PSAPCCAV->PCCARPB.
40	(28)	SIGNED	4	TTE303LH	PSACLHS.
44	(2C)	ADDRESS	4	TTE303PL	PSALOCAL.
48	(30)	SIGNED	4	TTE303LE	PSACLHSE.
52	(34)	SIGNED	4	TTE303ED (0)	END OF CALL TTE.

Comment

CLKC - CLOCK COMPARATOR EXTERNAL INTERRUPT TTE

End of Comment

12	(C)	SIGNED	4	TTE403 (0)	CLOCK COMPARATOR EXTERNAL INTERRUPT (CLKC).
12	(C)	ADDRESS	4	TTE403TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE403R1	RESERVED.
18	(12)	SIGNED	2	TTE403HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE403PA	PASID. * INPUT REGISTER 4.
22	(16)	SIGNED	2	TTE403SA	SASID. * INPUT REGISTER 4.
24	(18)	CHARACTER	8	TTE403PW (0)	EXTERNAL OLD PSW. * FLCEOPSW.
24	(18)	CHARACTER	4	TTE403P1	1ST HALF OF PSW.
28	(1C)	CHARACTER	4	TTE403P2	2ND HALF OF PSW.
32	(20)	SIGNED	4	TTE403CD	EXTERNAL INTERRUPT CODE. * PSAEEPSW.
36	(24)	ADDRESS	4	TTE403TT	TQE TCB OR 0. * PSAPCCAV->PCCATQEP->TQETCB.
40	(28)	SIGNED	2	TTE403R2	RESERVED.
42	(2A)	SIGNED	2	TTE403TA	TQE ASID OR 0. * PSAPCCAV->PCCATQEP->TQEAID.
44	(2C)	SIGNED	4	TTE403LH	PSACLHS.
48	(30)	ADDRESS	4	TTE403PL	PSALOCAL.
52	(34)	SIGNED	4	TTE403LE	PSACLHSE.
56	(38)	SIGNED	4	TTE403ED (0)	END OF CLKC TTE.

Comment

CSCH - CLEAR SUBCHANNEL TTE

End of Comment

12	(C)	SIGNED	4	TTE301 (0)	CLEAR SUBCHANNEL (CSCH).
12	(C)	ADDRESS	4	TTE301TB	TCB ADDRESS FROM SRB. * IOSBPTR(R2)->IOSSRB->SRBPTCB.
16	(10)	SIGNED	2	TTE301AD	ASID FROM IOSB. * IOSBPTR(R2)->IOSASID.
18	(12)	SIGNED	2	TTE301HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	BITSTRING	1	TTE301CC	CONDITION CODE. * INPUT REGISTER 0.
21	(15)	BITSTRING	1	TTE301DI	DRIVER ID. * IOSBPTR(R2)->IOSDVRID.
22	(16)	SIGNED	2	TTE301DN	DEVICE NUMBER. * IOSBPTR(R2)->IOSUCB->UCBCHAN.
24	(18)	ADDRESS	4	TTE301UB	UCB ADDRESS (COMMON SEGMENT). * ORBPTR(R3)->WORD 1.

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
28	(1C)	ADDRESS	4	TTE301IQ	IOQ ADDRESS. * ORBPTR(R3)->WORD 2.
32	(20)	ADDRESS	4	TTE301AI	ADDRESS OF IOSB FOR ASSOCIATED SSCH REQUEST (0 IF NO ASSOCIATED REQUEST). * ORBPTR(R3)->WORD 3.
36	(24)	ADDRESS	4	TTE301IO	IOSB ADDRESS. * INPUT REGISTER 2.
40	(28)	SIGNED	4	TTE301TK (0)	TOKEN. * INPUT REGISTER 1.
40	(28)	BITSTRING	1	TTE301T1	KEY. NOT FORMATTED.
41	(29)	BITSTRING	1	TTE301T2	RESERVED.
42	(2A)	SIGNED	2	TTE301T3	BASE DEVICE NUMBER.
44	(2C)	SIGNED	4	TTE301ED (0)	END OF CSCH TTE.

Comment

DSP - TASK DISPATCH TTE

End of Comment

12	(C)	SIGNED	4	TTE00F (0)	TASK DISPATCH (DSP).
12	(C)	ADDRESS	4	TTE00FTB	CURRENT TCB ADDRESS. * PSATOLD.
16	(10)	SIGNED	2	TTE00FR1	RESERVED.
18	(12)	SIGNED	2	TTE00FHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE00FPA	PASID. * INPUT REGISTER 13.
22	(16)	SIGNED	2	TTE00FSA	SASID. * INPUT REGISTER 13.
24	(18)	CHARACTER	8	TTE00FPW (0)	PSW TO BE DISPATCHED. * PSAPSWSV.
24	(18)	CHARACTER	4	TTE00FP1	1ST HALF OF PSW.
28	(1C)	CHARACTER	4	TTE00FP2	2ND HALF OF PSW.
32	(20)	SIGNED	4	TTE00FG0	REGISTER 0 CONTENTS. * INPUT REGISTER 0.
36	(24)	SIGNED	4	TTE00FG1	REGISTER 1 CONTENTS. * INPUT REGISTER 1.
40	(28)	SIGNED	4	TTE00FMW	PSAMODEW.
44	(2C)	SIGNED	4	TTE00FLH	PSACLHS.
48	(30)	ADDRESS	4	TTE00FPL	PSALOCAL.
52	(34)	SIGNED	4	TTE00FED (0)	END OF DSP TTE.

Comment

EMS - EMERGENCY SIGNAL EXTERNAL INTERRUPT TTE

End of Comment

12	(C)	SIGNED	4	TTE103 (0)	EMS EXTERNAL INTERRUPT (EMS).
12	(C)	ADDRESS	4	TTE103TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE103R1	RESERVED.
18	(12)	SIGNED	2	TTE103HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE103PA	PASID. * INPUT REGISTER 4.
22	(16)	SIGNED	2	TTE103SA	SASID. * INPUT REGISTER 4.
24	(18)	CHARACTER	8	TTE103PW (0)	EXTERNAL OLD PSW. * FLCEOPSW.
24	(18)	CHARACTER	4	TTE103P1	1ST HALF OF PSW.
28	(1C)	CHARACTER	4	TTE103P2	2ND HALF OF PSW.
32	(20)	ADDRESS	4	TTE103CD	ISSUING PROCESSOR ADDRESS AND EXTERNAL INTERRUPT CODE. * PSAEEPSW.
36	(24)	SIGNED	4	TTE103SI	PCCAEMSI. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAEMSI.
40	(28)	ADDRESS	4	TTE103SP	PCCAEMSP. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAEMSP.
44	(2C)	ADDRESS	4	TTE103SE	PCCAEMSE. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAEMSE.
48	(30)	SIGNED	4	TTE103LH	PSACLHS.
52	(34)	ADDRESS	4	TTE103PL	PSALOCAL.
56	(38)	SIGNED	4	TTE103LE	PSACLHSE.
60	(3C)	SIGNED	4	TTE103ED (0)	END OF EMS TTE.

Comment

EXT - GENERAL EXTERNAL INTERRUPT TTE

End of Comment

12	(C)	SIGNED	4	TTE003 (0)	EXTERNAL INTERRUPT (EXT).

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	ADDRESS	4	TTE003TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE003R1	RESERVED.
18	(12)	SIGNED	2	TTE003HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE003PA	PASID. * INPUT REGISTER 4.
22	(16)	SIGNED	2	TTE003SA	SASID. * INPUT REGISTER 4.
24	(18)	CHARACTER	8	TTE003PW (0)	EXTERNAL OLD PSW. * FLCEOPSW.
24	(18)	CHARACTER	4	TTE003P1	1ST HALF OF PSW.
28	(1C)	CHARACTER	4	TTE003P2	2ND HALF OF PSW.
32	(20)	SIGNED	4	TTE003CD	EXTERNAL INTERRUPT CODE. * PSAEEPSW.
36	(24)	SIGNED	4	TTE003LH	PSACLHS.
40	(28)	ADDRESS	4	TTE003PL	PSALOCAL.
44	(2C)	SIGNED	4	TTE003LE	PSACLHSE.
48	(30)	SIGNED	4	TTE003ED (0)	END OF EXT TTE.

Comment

HSCH - HALT SUBCHANNEL TTE

End of Comment

12	(C)	SIGNED	4	TTE201 (0)	HALT SUBCHANNEL (HSCH).
12	(C)	ADDRESS	4	TTE201TB	TCB ADDRESS FROM SRB. * IOSBPTR(R2)->IOSSRB->SRBPTCB.
16	(10)	SIGNED	2	TTE201AD	ASID FROM IOSB. * IOSBPTR(R2)->IOSASID.
18	(12)	SIGNED	2	TTE201HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	BITSTRING	1	TTE201CC	CONDITION CODE. * INPUT REGISTER 0.
21	(15)	BITSTRING	1	TTE201DI	DRIVER ID. * IOSBPTR(R2)->IOSDVRID.
22	(16)	SIGNED	2	TTE201DN	DEVICE NUMBER. * IOSBPTR(R2)->IOSUCB->UCBCHAN.
24	(18)	ADDRESS	4	TTE201UB	UCB ADDRESS (COMMON SEGMENT). * ORBPTR(R3)->WORD 1.
28	(1C)	ADDRESS	4	TTE201IQ	IOQ ADDRESS. * ORBPTR(R3)->WORD 2.
32	(20)	ADDRESS	4	TTE201AI	ADDRESS OF IOSB FOR ASSOCIATED SSCH REQUEST (0 IF NO ASSOCIATED REQUEST). * ORBPTR(R3)->WORD 3.
36	(24)	ADDRESS	4	TTE201IO	IOSB ADDRESS. * INPUT REGISTER 2.
40	(28)	SIGNED	4	TTE201TK (0)	TOKEN. * INPUT REGISTER 1.
40	(28)	BITSTRING	1	TTE201T1	KEY. NOT FORMATTED.
41	(29)	BITSTRING	1	TTE201T2	RESERVED.
42	(2A)	SIGNED	2	TTE201T3	BASE DEVICE NUMBER.
44	(2C)	SIGNED	4	TTE201ED (0)	END OF HSCH TTE.

Comment

IO - I/O INTERRUPT TTE

End of Comment

12	(C)	SIGNED	4	TTE00B (0)	I/O INTERRUPT (IO).
12	(C)	ADDRESS	4	TTE00BTB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE00BDN	DEVICE NUMBER. * UCBPTR(R7)->UCBCHAN.
18	(12)	SIGNED	2	TTE00BHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE00BPA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE00BSA	SASID. * CONTROL REGISTER 3.
24	(18)	CHARACTER	8	TTE00BPW (0)	I/O OLD PSW. * FLCIOPSW.
24	(18)	CHARACTER	4	TTE00BP1	1ST HALF OF PSW.
28	(1C)	CHARACTER	4	TTE00BP2	2ND HALF OF PSW.
32	(20)	SIGNED	2	TTE00BFG	IRBFLAGS. * IRBPTR(R3)->WORD 1.
34	(22)	SIGNED	2	TTE00BSC	SUBCHANNEL CONTROL. * IRBPTR(R3)->WORD 1.
36	(24)	ADDRESS	4	TTE00BCA	CCW ADDRESS. * IRBPTR(R3)->WORD 2.
40	(28)	BITSTRING	1	TTE00BDS	DEVICE STATUS. * IRBPTR(R3)->WORD 3.
41	(29)	BITSTRING	1	TTE00BSS	SUBCHANNEL STATUS. * IRBPTR(R3)->WORD 3.
42	(2A)	SIGNED	2	TTE00BCT	RESIDUAL COUNT. * IRBPTR(R3)->WORD 3.
44	(2C)	SIGNED	4	TTE00BEW	EXTENDED STATUS WORD. * IRBPTR(R3)->WORD 4.
48	(30)	ADDRESS	4	TTE00BUB	UCB ADDRESS. * INPUT REGISTER 7.
52	(34)	SIGNED	4	TTE00BLH	PSACLHS.
56	(38)	ADDRESS	4	TTE00BPL	PSALOCAL.
60	(3C)	SIGNED	4	TTE00BLE	PSACLHSE.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
64	(40)	SIGNED	4	TTE00BTK (0)	TOKEN. * INPUT REGISTER 1.
64	(40)	BITSTRING	1	TTE00BT1	KEY. NOT FORMATTED.
65	(41)	BITSTRING	1	TTE00BT2	RESERVED.
66	(42)	SIGNED	2	TTE00BT3	BASE DEVICE NUMBER.
68	(44)	SIGNED	4	TTE00BED (0)	END OF IO TTE.

Comment

MCH - MACHINE CHECK INTERRUPT TTE

End of Comment

12	(C)	SIGNED	4	TTE013 (0)	MACHINE CHECK INTERRUPT (MCH).
12	(C)	ADDRESS	4	TTE013TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE013R1	RESERVED.
18	(12)	SIGNED	2	TTE013HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE013PA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE013SA	SASID. * CONTROL REGISTER 3.
24	(18)	CHARACTER	8	TTE013PW (0)	MACHINE CHECK OLD PSW. * FLCMOPSW.
24	(18)	CHARACTER	4	TTE013P1	1ST HALF OF PSW.
28	(1C)	CHARACTER	4	TTE013P2	2ND HALF OF PSW.
32	(20)	CHARACTER	8	TTE013MC (0)	MACHINE CHECK INTERRUPT CODE. * FLCMCIC.
32	(20)	CHARACTER	4	TTE013M1	PART 1 OF FLCMCIC.
36	(24)	CHARACTER	4	TTE013M2	PART 2 OF FLCMCIC.
40	(28)	SIGNED	4	TTE013PS	PSASUPER.
44	(2C)	SIGNED	4	TTE013LH	PSACLHS.
48	(30)	ADDRESS	4	TTE013PL	PSALOCAL.
52	(34)	SIGNED	4	TTE013LE	PSACLHSE.
56	(38)	SIGNED	4	TTE013ED (0)	END OF MCH TTE.

Comment

MSCH - MODIFY SUBCHANNEL TTE

End of Comment

12	(C)	SIGNED	4	TTE101 (0)	MODIFY SUBCHANNEL (MSCH).
12	(C)	ADDRESS	4	TTE101TB	TCB ADDRESS FROM SRB. * IOSBPTR(R2)->IOSSRB->SRBPTCB.
16	(10)	SIGNED	2	TTE101AD	ASID FROM IOSB. * IOSBPTR(R2)->IOSASID.
18	(12)	SIGNED	2	TTE101HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	BITSTRING	1	TTE101CC	CONDITION CODE. * INPUT REGISTER 0.
21	(15)	BITSTRING	1	TTE101R1	RESERVED.
22	(16)	SIGNED	2	TTE101DN	DEVICE NUMBER. * IOSBPTR(R2)->IOSUCB->UCBCHAN.
24	(18)	ADDRESS	4	TTE101UB	UCB ADDRESS (COMMON SEGMENT). * ORBPTR(R3)->WORD 1.
28	(1C)	SIGNED	4	TTE101O2 (0)	ORB WORD 2. * ORBPTR(R3)->WORD 2.
28	(1C)	BITSTRING	1	TTE101F1	SCHFLG1 FROM SCHIB USED FOR MSCH INSTRUCTION.
29	(1D)	BITSTRING	1	TTE101F2	SCHFLG2 FROM SCHIB USED FOR MSCH INSTRUCTION.
30	(1E)	BITSTRING	1	TTE101LM	SCHLPM FROM SCHIB USED FOR MSCH INSTRUCTION.
31	(1F)	BITSTRING	1	TTE101PM	SCHPOM FROM SCHIB USED FOR MSCH INSTRUCTION.
32	(20)	SIGNED	4	TTE101O3 (0)	ORB WORD 3. * ORBPTR(R3)->WORD 3.
32	(20)	SIGNED	2	TTE101MI	SCHMBI FROM SCHIB USED FOR MSCH INSTRUCTION.
34	(22)	BITSTRING	1	TTE101P2	IOSOPT2 FROM MSCH IOSB.
35	(23)	BITSTRING	1	TTE101FB	IOSFLB FROM MSCH IOSB.
36	(24)	ADDRESS	4	TTE101IO	IOSB ADDRESS. * INPUT REGISTER 2.
40	(28)	SIGNED	4	TTE101TK (0)	TOKEN. * INPUT REGISTER 1.
40	(28)	BITSTRING	1	TTE101T1	KEY. NOT FORMATTED.
41	(29)	BITSTRING	1	TTE101T2	RESERVED.
42	(2A)	SIGNED	2	TTE101T3	BASE DEVICE NUMBER.
44	(2C)	SIGNED	4	TTE101ED (0)	END OF MSCH TTE.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
Comment					
PGM - PROGRAM INTERRUPT TTE					
End of Comment					
12	(C)	SIGNED	4	TTE007 (0)	PROGRAM INTERRUPT (PGM).
12	(C)	ADDRESS	4	TTE007TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE007R1	RESERVED.
18	(12)	SIGNED	2	TTE007HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE007PA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE007SA	SASID. * CONTROL REGISTER 3.
24	(18)	SIGNED	4	TTE007LH	PSACLHS.
28	(1C)	ADDRESS	4	TTE007PL	PSALOCAL.
32	(20)	SIGNED	4	TTE007LE	PSACLHSE.
36	(24)	CHARACTER	8	TTE007PW (0)	PROGRAM INTERRUPT PSW. * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORDS 1 * AND 2.
36	(24)	CHARACTER	4	TTE007P1	1ST HALF OF PSW.
40	(28)	CHARACTER	4	TTE007P2	2ND HALF OF PSW.
44	(2C)	SIGNED	2	TTE007IL	PROGRAM INSTRUCTION LENGTH. * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORD 3.
46	(2E)	SIGNED	2	TTE007CD	PROGRAM INTERRUPT CODE. * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORD 3.
48	(30)	ADDRESS	4	TTE007ZT (0)	TEA - Z/Architecture
48	(30)	ADDRESS	4	TTE007TA	TEA CONTENTS. HIGH ORDER BIT INDICATES PRIMARY (0) OR SECONDARY (1). * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORD 4.
52	(34)	SIGNED	4	TTE007ED (0)	END OF PGM TTE - ESA
52	(34)	ADDRESS	4	TTE007ZL	TEA bits 32-63 - z/Arch
56	(38)	SIGNED	4	TTE007ZD (0)	END OF PGM TTE - z/Arch
Comment					
RSCH - RESUME SUBCHANNEL TTE					
End of Comment					
12	(C)	SIGNED	4	TTE401 (0)	RESUME SUBCHANNEL (RSCH).
12	(C)	ADDRESS	4	TTE401TB	TCB ADDRESS FROM SRB. * IOSBPTR(R2)->IOSSRB->SRBPTCB.
16	(10)	SIGNED	2	TTE401AD	ASID FROM IOSB. * IOSBPTR(R2)->IOSASID.
18	(12)	SIGNED	2	TTE401HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	BITSTRING	1	TTE401CC	CONDITION CODE. * INPUT REGISTER 0.
21	(15)	BITSTRING	1	TTE401DI	DRIVER ID. * IOSBPTR(R2)->IOSDVRID.
22	(16)	SIGNED	2	TTE401DN	DEVICE NUMBER. * IOSBPTR(R2)->IOSUCB->UCBCHAN.
24	(18)	ADDRESS	4	TTE401UB	UCB ADDRESS FROM IOSB. * IOSBPTR(R2)->IOSUCB.
28	(1C)	ADDRESS	4	TTE401IO	IOSB ADDRESS. * INPUT REGISTER 2.
32	(20)	SIGNED	4	TTE401TK (0)	TOKEN. * INPUT REGISTER 1.
32	(20)	BITSTRING	1	TTE401T1	KEY. NOT FORMATTED.
33	(21)	BITSTRING	1	TTE401T2	RESERVED.
34	(22)	SIGNED	2	TTE401T3	BASE DEVICE NUMBER.
36	(24)	SIGNED	4	TTE401ED (0)	END OF RSCH TTE.
Comment					
RST - RESTART INTERRUPT TTE					
End of Comment					
12	(C)	SIGNED	4	TTE015 (0)	RESTART INTERRUPT (RST).
12	(C)	ADDRESS	4	TTE015TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE015R1	RESERVED.
18	(12)	SIGNED	2	TTE015HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE015PA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE015SA	SASID. * CONTROL REGISTER 3.
24	(18)	CHARACTER	8	TTE015PW (0)	RESTART OLD PSW. * FLCROPSW.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
24	(18)	CHARACTER	4	TTE015P1	1ST HALF OF PSW.
28	(1C)	CHARACTER	4	TTE015P2	2ND HALF OF PSW.
32	(20)	SIGNED	4	TTE015GF	REGISTER 15 CONTENT. * INPUT REGISTER 15.
36	(24)	SIGNED	4	TTE015G0	REGISTER 0 CONTENT. * INPUT REGISTER 0.
40	(28)	SIGNED	4	TTE015G1	REGISTER 1 CONTENT. * INPUT REGISTER 1.
44	(2C)	SIGNED	4	TTE015PS	PSASUPER.
48	(30)	SIGNED	4	TTE015MW	PSAMODEW.
52	(34)	SIGNED	4	TTE015LH	PSACLHS.
56	(38)	ADDRESS	4	TTE015PL	PSALOCAL.
60	(3C)	SIGNED	4	TTE015LE	PSACLHSE.
64	(40)	SIGNED	4	TTE015ED (0)	END OF RST TTE.

Comment

SPER - SLIP/PER EVENT TTE

End of Comment

12	(C)	SIGNED	4	TTE009 (0)	SLIP/PER (SPER).
12	(C)	ADDRESS	4	TTE009TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	BITSTRING	2	TTE009PC	PER CODE. * SLIP/PER STATUS ADDRESS * (R3)-> BYTE 1.
18	(12)	SIGNED	2	TTE009HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE009PA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE009SA	SASID. * CONTROL REGISTER 3.
24	(18)	CHARACTER	8	TTE009PW (0)	PROGRAM INTERRUPT PSW. * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORDS 1 * AND 2.
24	(18)	CHARACTER	4	TTE009P1	1ST HALF OF PSW.
28	(1C)	CHARACTER	4	TTE009P2	2ND HALF OF PSW.
32	(20)	SIGNED	2	TTE009IL	PROGRAM INSTRUCTION LENGTH. * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORD 3.
34	(22)	SIGNED	2	TTE009CD	PROGRAM INTERRUPT CODE. * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORD 3.
36	(24)	CHARACTER	4	TTE009ID	SLIP/PER TRAP ID. * SLIP/PER TRAP ID ADDRESS * (R1)->WORD 1.
40	(28)	ADDRESS	4	TTE009IA	PER ADDRESS. * SLIP/PER STATUS ADDRESS * (R3)-> BYTES 3 THROUGH 6.
44	(2C)	ADDRESS	4	TTE009IB	PER ADDRESS. * SLIP/PER STATUS ADDRESS * (R3)-> BYTES 7 THROUGH 10.
48	(30)	SIGNED	4	TTE009LH	PSACLHS.
52	(34)	SIGNED	4	TTE009LE	PSACLHSE.
56	(38)	ADDRESS	4	TTE009PL	PSALOCAL.
60	(3C)	SIGNED	4	TTE009ED (0)	END OF SLIP/PER TTE.

Comment

SRB - SRB DISPATCH TTE

End of Comment

12	(C)	SIGNED	4	TTE10F (0)	SRB DISPATCH (SRB).
12	(C)	ADDRESS	4	TTE10FTB	WORK UNIT ADDRESS. * SRBPTR(R0)->SRBWEB.
16	(10)	BITSTRING	1	TTE10FSF	SRB FLAG BYTE. * SRBPTR(R0)->SRBFLGS.
17	(11)	BITSTRING	1	TTE10FLH	SRBHLHI. * SRBPTR(R0)->SRBHLHI.
18	(12)	SIGNED	2	TTE10FHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	CHARACTER	8	TTE10FPW (0)	PSW TO RECEIVE CONTROL ON SRB DISPATCH. * PSASMPSW.
20	(14)	CHARACTER	4	TTE10FP1	1ST HALF OF PSW.
24	(18)	CHARACTER	4	TTE10FP2	2ND HALF OF PSW.
28	(1C)	SIGNED	2	TTE10FFN	CPU AFFINITY. * SRBPTR(R0)->SRBCPAFF.
30	(1E)	SIGNED	2	TTE10FAP	RELATED ASID. * SRBPTR(R0)->SRBPASID.
32	(20)	SIGNED	4	TTE10FG0	REGISTER 0 CONTENTS. * INPUT REGISTER 0.
36	(24)	SIGNED	4	TTE10FG1	REGISTER 1 CONTENTS. * INPUT REGISTER 1.
40	(28)	ADDRESS	4	TTE10FPT	PURGE TCB ADDRESS. * SRBPTR(R0)->SRBPTCB.
44	(2C)	SIGNED	4	TTE10FED (0)	END OF SRB TTE.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
SS - SERVICE SIGNAL EXTERNAL INTERRUPT TTE					
				End of Comment	
12	(C)	SIGNED	4	TTE203 (0)	SS EXTERNAL INTERRUPT (SS).
12	(C)	ADDRESS	4	TTE203TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE203R1	RESERVED.
18	(12)	SIGNED	2	TTE203HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE203PA	PASID. * INPUT REGISTER 4.
22	(16)	SIGNED	2	TTE203SA	SASID. * INPUT REGISTER 4.
24	(18)	CHARACTER	8	TTE203PW (0)	EXTERNAL OLD PSW. * FLCEOPSW.
24	(18)	CHARACTER	4	TTE203P1	1ST HALF OF PSW.
28	(1C)	CHARACTER	4	TTE203P2	2ND HALF OF PSW.
32	(20)	SIGNED	4	TTE203CD	EXTERNAL INTERRUPT CODE. * PSAEEPSW.
36	(24)	ADDRESS	4	TTE203BA	SCCB ADDRESS ASSOCIATED WITH THE SERVICE SIGNAL.
40	(28)	SIGNED	4	TTE203CM	SCLP COMMAND WORD ASSOCIATED WITH THE SERVICE SIGNAL INTERRUPT.
44	(2C)	SIGNED	2	TTE203R3	RESERVED. HARDWARE FLAGS NO LONGER PART OF THE SS TRACE ENTRY
46	(2E)	SIGNED	2	TTE203RC	SERVICE PROCESSOR RESPONSE AND REASON CODE.
48	(30)	SIGNED	2	TTE203R2	RESERVED.
50	(32)	SIGNED	2	TTE203AD	SS ASID.
52	(34)	ADDRESS	4	TTE203AT	SS TCB ADDRESS.
56	(38)	SIGNED	4	TTE203LH	PSACLHS.
60	(3C)	ADDRESS	4	TTE203PL	PSALOCAL.
64	(40)	SIGNED	4	TTE203LE	PSACLHSE.
68	(44)	SIGNED	4	TTE203ED (0)	END OF SS TTE.
				Comment	
SIGA - Signal adapter TTE					
				End of Comment	
12	(C)	SIGNED	4	TTE501 (0)	Signal adapter (SIGA).
12	(C)	ADDRESS	4	TTE501TB	TCB address.
16	(10)	SIGNED	2		Reserved
18	(12)	SIGNED	2	TTE501HA	Home ASID.
20	(14)	BITSTRING	1	TTE501CC	Condition code
21	(15)	BITSTRING	1	TTE501FC	SIGA function code
22	(16)	SIGNED	2	TTE501DN	Device number.
24	(18)	SIGNED	4	TTE501SI	SID.
28	(1C)	ADDRESS	4	TTE501M1	Bit mask (SYNCH).
32	(20)	ADDRESS	4	TTE501M2	Bit mask (SYNCH).
36	(24)	SIGNED	4	TTE501QI	QIB pointer.
40	(28)	ADDRESS	4	TTE501UB	UCB address.
44	(2C)	SIGNED	4	TTE501ED (0)	End of SIGA TTE.
				Comment	
SSCH - START SUBCHANNEL TTE					
				End of Comment	
12	(C)	SIGNED	4	TTE001 (0)	START SUBCHANNEL (SSCH).
12	(C)	ADDRESS	4	TTE001TB	TCB ADDRESS FROM SRB. * IOSBPTR(R2)->IOSSRB->SRBPTCB.
16	(10)	SIGNED	2	TTE001AD	ASID FROM IOSB. * IOSBPTR(R2)->IOSASID.
18	(12)	SIGNED	2	TTE001HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	BITSTRING	1	TTE001CC	CONDITION CODE. * INPUT REGISTER 0.
21	(15)	BITSTRING	1	TTE001DI	DRIVER ID. * IOSBPTR(R2)->IOSDVRID.
22	(16)	SIGNED	2	TTE001DN	DEVICE NUMBER. * TTE001UB->UCBCHAN.
24	(18)	ADDRESS	4	TTE001UB	ORB WORD 1 - UCB ADDRESS. * ORBPTR(R3)->WORD 1.
28	(1C)	SIGNED	4	TTE001O2	ORB WORD 2. * ORBPTR(R3)->WORD 2.

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
32	(20)	SIGNED	4	TTE001O3	ORB WORD 3. * ORBPTR(R3)->WORD 3.
36	(24)	SIGNED	4	TTE001O4	ORB WORD 4. * ORBPTR(R3)->WORD 4
40	(28)	ADDRESS	4	TTE001IO	IOSB ADDRESS. * INPUT REGISTER 2.
44	(2C)	SIGNED	4	TTE001TK (0)	TOKEN. * INPUT REGISTER 1.
44	(2C)	BITSTRING	1	TTE001T1	KEY. NOT FORMATTED.
45	(2D)	BITSTRING	1	TTE001T2	RESERVED.
46	(2E)	SIGNED	2	TTE001T3	BASE DEVICE NUMBER.
48	(30)	SIGNED	4	TTE001CU	CAPTURE UCB ADDRESS. * IOSBPTR(R2)->IOSUCB.
52	(34)	SIGNED	4	TTE001ED (0)	END OF SSCH TTE.

Comment

SSRB - SUSPENDED SRB DISPATCH TTE

End of Comment

Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	SIGNED	4	TTE20F (0)	SUSPENDED SRB DISPATCH (SSRB).
12	(C)	ADDRESS	4	TTE20FTB	WORK UNIT ADDRESS. * PSALCCAV->LCCACWEB.
16	(10)	BITSTRING	1	TTE20FR1	RESERVED.
17	(11)	BITSTRING	1	TTE20FLH	PSACLHS BYTE 4. * PSACLHS4.
18	(12)	SIGNED	2	TTE20FHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE20FPA	PASID. * INPUT REGISTER 13.
22	(16)	SIGNED	2	TTE20FSA	SASID. * INPUT REGISTER 13.
24	(18)	CHARACTER	8	TTE20FPW (0)	PSW TO BE REDISPATCHED. * PSAPSWSV.
24	(18)	CHARACTER	4	TTE20FP1	1ST HALF OF PSW.
28	(1C)	CHARACTER	4	TTE20FP2	2ND HALF OF PSW.
32	(20)	ADDRESS	4	TTE20FPT	RELATED TCB. * PSALCCAV->LCCAPGTA+2.
36	(24)	SIGNED	4	TTE20FSP	SSRB ADDRESS * INPUT REGISTER 1
40	(28)	SIGNED	2	TTE20FFN	CPU AFFINITY. * PSALCCAV->LCCASAFN.
42	(2A)	SIGNED	2	TTE20FAP	RELATED ASID. * PSALCCAV->LCCAPGTA.
44	(2C)	ADDRESS	4	TTE20FPL	PSALOCAL.
48	(30)	SIGNED	4	TTE20FED (0)	END OF SSRB TTE.

Comment

SUSP - LOCK SUSPENSION TTE

End of Comment

Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	SIGNED	4	TTE019 (0)	SUSPENSION (SUSP).
12	(C)	ADDRESS	4	TTE019TB	ADDRESS OF SUSPENDED TCB OR RELATED TCB. * INPUT REGISTER 4 OR * SSRBPTR(R4)->SRBPTCB.
16	(10)	SIGNED	2	TTE019R1	RESERVED.
18	(12)	SIGNED	2	TTE019HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	ADDRESS	4	TTE019RT	RETURN ADDRESS FOR THE CALLER OF THE SERVICE ROUTINE. * INPUT REGISTER 14.
24	(18)	ADDRESS	4	TTE019RB	ADDRESS OF SUSPENDED RB OR 0. * INPUT REGISTER 5.
28	(1C)	ADDRESS	4	TTE019SB	ADDRESS OF SUSPENDED SRB OR 0. * INPUT REGISTER 4 OR 0.
32	(20)	CHARACTER	4	TTE019SI	SUSPENSION TYPE IDENTIFIER. (LOCL, CML, CMS, CEDQ, CSMF IN EBCDIC). * INPUT REGISTER 12.
36	(24)	ADDRESS	4	TTE019AD	ADDRESS ASSOCIATED WITH SUSPENSION OR 0: LOCL - 0. CML - ASCB ADDRESS FOR CML LOCK REQUESTED. CMS - LOCKWORD ADDRESS. CEDQ - LOCKWORD ADDRESS. CSMF - LOCKWORD ADDRESS. * INPUT REGISTER 11.
40	(28)	SIGNED	4	TTE019LH	CLHS - CPU LOCKS HELD STRING * INPUT REGISTER 2.
44	(2C)	ADDRESS	4	TTE019PL	LOCAL LOCK * INPUT REGISTER 3.
48	(30)	SIGNED	4	TTE019LE	PSACLHSE.
52	(34)	SIGNED	4	TTE019ED (0)	END OF SUSP TTE.

Comment

SVC - SVC INTERRUPT TTE

End of Comment

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	SIGNED	4	TTE005 (0)	GENERAL SVC INTERRUPT (SVC).
12	(C)	ADDRESS	4	TTE005TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE005SN	SVC NUMBER. * FLCSVCN.
18	(12)	SIGNED	2	TTE005HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	CHARACTER	8	TTE005PW (0)	SVC OLD PSW. * FLCSOPSW.
20	(14)	CHARACTER	4	TTE005P1	1ST HALF OF PSW.
24	(18)	CHARACTER	4	TTE005P2	2ND HALF OF PSW.
28	(1C)	SIGNED	4	TTE005GF	REGISTER 15 CONTENTS. * INPUT REGISTER 15.
32	(20)	SIGNED	4	TTE005G0	REGISTER 0 CONTENTS. * INPUT REGISTER 0.
36	(24)	SIGNED	4	TTE005G1	REGISTER 1 CONTENTS. * INPUT REGISTER 1.
40	(28)	SIGNED	4	TTE005ED (0)	END OF SVC TTE.

Comment

SVCE - SVC ERROR TTE

End of Comment

12	(C)	SIGNED	4	TTEF05 (0)	SVC ERROR (SVCE).
12	(C)	ADDRESS	4	TTEF05TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTEF05SN	SVC NUMBER. * FLCSVCN.
18	(12)	SIGNED	2	TTEF05HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTEF05PA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTEF05SA	SASID. * CONTROL REGISTER 3.
24	(18)	CHARACTER	8	TTEF05PW (0)	SVC OLD PSW. * FLCSOPSW.
24	(18)	CHARACTER	4	TTEF05P1	1ST HALF OF PSW.
28	(1C)	CHARACTER	4	TTEF05P2	2ND HALF OF PSW.
32	(20)	SIGNED	4	TTEF05GF	REGISTER 15 CONTENTS. * INPUT REGISTER 15.
36	(24)	SIGNED	4	TTEF05G0	REGISTER 0 CONTENTS. * INPUT REGISTER 0.
40	(28)	SIGNED	4	TTEF05G1	REGISTER 1 CONTENTS. * INPUT REGISTER 1.
44	(2C)	SIGNED	4	TTEF05MW	PSAMODEW.
48	(30)	SIGNED	4	TTEF05LH	PSACLHS.
52	(34)	ADDRESS	4	TTEF05PL	PSALOCAL.
56	(38)	SIGNED	4	TTEF05LE	PSACLHSE.
60	(3C)	SIGNED	4	TTEF05ED (0)	END OF SVCE TTE.

Comment

SVCR - SVC RETURN TTE

End of Comment

12	(C)	SIGNED	4	TTE105 (0)	SVC RETURN (SVCR).
12	(C)	ADDRESS	4	TTE105TB	CURRENT TCB ADDRESS. * PSATOLD.
16	(10)	SIGNED	2	TTE105SN	SVC NUMBER. * ((PSATOLD->TCBRBP)- * (RBPRFLNA)->RBINTCOD.
18	(12)	SIGNED	2	TTE105HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	CHARACTER	8	TTE105PW (0)	PSW TO RECEIVE CONTROL ON REDISPATCH. * PSATOLD->TCBRBP->RBOPSW.
20	(14)	CHARACTER	4	TTE105P1	1ST HALF OF PSW.
24	(18)	CHARACTER	4	TTE105P2	2ND HALF OF PSW.
28	(1C)	SIGNED	4	TTE105GF	REGISTER 15 CONTENTS. * INPUT REGISTER 15.
32	(20)	SIGNED	4	TTE105G0	REGISTER 0 CONTENTS. * INPUT REGISTER 0.
36	(24)	SIGNED	4	TTE105G1	REGISTER 1 CONTENTS. * INPUT REGISTER 1.
40	(28)	SIGNED	4	TTE105ED (0)	END OF SVCR TTE.

Comment

SSRV - PC OR BRANCH ENTERED SYSTEM SERVICE TTE

End of Comment

12	(C)	SIGNED	4	TTE205 (0)	PC OR BRANCH ENTERED SYSTEM SERVICE (SSRV)
12	(C)	ADDRESS	4	TTE205TB	CURRENT TCB ADDRESS OR 0. PSATOLD.
16	(10)	SIGNED	2	TTE205SI	SSRVID. ASSOCIATED SERVICE IDENTIFIER NUMBER.
18	(12)	SIGNED	2	TTE205HA	HOME ADDRESS SPACE. PSAAOLD->ASCBASID.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
20	(14)	ADDRESS	4	TTE205CI	RETURN ADDRESS OF THE CALLER OF THE BRANCH ENTERED SERVICE OR OF THE PC ENTERED SERVICE.
24	(18)	SIGNED	4	TTE205U1	1ST WORD OF INFORMATION UNIQUE FOR ASSOCIATED SERVICE IDENTIFIER.
28	(1C)	SIGNED	4	TTE205U2	2ND WORD OF INFORMATION UNIQUE FOR ASSOCIATED SERVICE IDENTIFIER.
32	(20)	SIGNED	4	TTE205U3	3RD WORD OF INFORMATION UNIQUE FOR ASSOCIATED SERVICE IDENTIFIER.
36	(24)	SIGNED	4	TTE205U4	4TH WORD OF INFORMATION UNIQUE FOR ASSOCIATED SERVICE IDENTIFIER.
40	(28)	SIGNED	4	TTE205ED (0)	END OF SSRV TTE.

Comment

USRN - USER EVENT TTE

End of Comment

12	(C)	SIGNED	4	TTE07F (0)	USER EVENT TRACE (USRN).
12	(C)	ADDRESS	4	TTE07FTB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE07FRV	RESERVED.
18	(12)	SIGNED	2	TTE07FHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE07FPA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE07FSA	SASID. * CONTROL REGISTER 3.
24	(18)	ADDRESS	4	TTE07FAD	USER RETURN ADDRESS. * INPUT REGISTER 14.
28	(1C)	SIGNED	4	TTE07FCI (0)	CONTINUATION INFORMATION.
28	(1C)	SIGNED	2	TTE07FPI	PTRACE IDENTIFICATION COUNT. * PSATRVT->TRVTTOB->TOBTRCI
30	(1E)	SIGNED	2	TTE07FRB	RELATIVE BYTE COUNT. * GENERATED.
30	(1E)	X'5'	0	TTE07FMW	"5" MAXIMUM NUMBER OF DATA WORDS PER USER ENTRY.

Comment

WAIT - WAIT DISPATCH TTE

End of Comment

12	(C)	SIGNED	4	TTEF0F (0)	WAIT DISPATCH (WAIT).
12	(C)	ADDRESS	4	TTEF0FTB	CURRENT TCB ADDRESS. * PSATOLD.
16	(10)	SIGNED	2	TTEF0FR1	RESERVED.
18	(12)	SIGNED	2	TTEF0FHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	4	TTEF0FED (0)	END OF WAIT TTE.

Comment

RCVY - RECOVERY EVENT TTE

End of Comment

12	(C)	SIGNED	4	TTE01D (0)	RECOVERY EVENT (RCVY).
12	(C)	ADDRESS	4	TTE01DTB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE01DSI	RCVY SUBTYPE CODE.
18	(12)	SIGNED	2	TTE01DHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	4	TTE01DLH	PSACLHS.
24	(18)	SIGNED	4	TTE01DLE	PSACLHSE.
28	(1C)	ADDRESS	4	TTE01DPL	PSALOCAL.
32	(20)	CHARACTER	32	TTE01DU (0)	INFORMATION UNIQUE TO RCVY SUBTYPE CODE.
32	(20)	SIGNED	4	TTE01DU1	1ST WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
36	(24)	SIGNED	4	TTE01DU2	2ND WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
40	(28)	SIGNED	4	TTE01DU3	3RD WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
44	(2C)	SIGNED	4	TTE01DU4	4TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
48	(30)	SIGNED	4	TTE01DU5	5TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
52	(34)	SIGNED	4	TTE01DU6	6TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
56	(38)	SIGNED	4	TTE01DU7	7TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
60	(3C)	SIGNED	4	TTE01DU8	8TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
64	(40)	SIGNED	4	TTE01DED (0)	END OF RCVY TTE.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
Comment					
TIME - TIMER SERVICES TTE					
End of Comment					
12	(C)	SIGNED	4	TTE01F (0)	TIMER SERVICES ENTRY(TIME)
12	(C)	ADDRESS	4	TTE01FTB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE01FSI	TIME SUBTYPE CODE.
18	(12)	SIGNED	2	TTE01FHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	CHARACTER	44	TTE01FU (0)	INFORMATION UNIQUE TO TIME SUBTYPE CODE.
20	(14)	SIGNED	4	TTE01FU1	1ST WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
24	(18)	SIGNED	4	TTE01FU2	2ND WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
28	(1C)	SIGNED	4	TTE01FU3	3RD WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
32	(20)	SIGNED	4	TTE01FU4	4TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
36	(24)	SIGNED	4	TTE01FU5	5TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
40	(28)	SIGNED	4	TTE01FU6	6TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
44	(2C)	SIGNED	4	TTE01FU7	7TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
48	(30)	SIGNED	4	TTE01FU8	8TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
52	(34)	SIGNED	4	TTE01FU9	9TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
56	(38)	SIGNED	4	TTE01FUA	10TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
60	(3C)	SIGNED	4	TTE01FUB	11TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
64	(40)	SIGNED	4	TTE01FED (0)	END OF TIME TTE.

TTE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TTE	0		TTETCALL	4C	303
TTEASID	12		TTETCB	C	
TTEDEP	10		TTETCLKC	4C	403
TTEEXCOM	C		TTETCSCH	4C	301
TTEF0F	C		TTETDSP	4C	F
TTEF0FED	14		TTETEMS	4C	103
TTEF0FHA	12		TTETEX	0	70
TTEF0FR1	10		TTETEXT	4C	3
TTEF0FTB	C		TTETHSCH	4C	201
TTEF05	C		TTETIO	4C	B
TTEF05ED	3C		TTETMAX	4C	4C
TTEF05GF	20		TTETMCH	4C	13
TTEF05G0	24		TTETMSCH	4C	101
TTEF05G1	28		TTETOD	2	
TTEF05HA	12		TTETOTE	8	
TTEF05LE	38		TTETPGM	4C	7
TTEF05LH	30		TTETRCVY	4C	1D
TTEF05MW	2C		TTETRSCH	4C	401
TTEF05PA	14		TTETRST	4C	15
TTEF05PL	34		TTETSIGA	4C	501
TTEF05PW	18		TTETSPER	4C	9
TTEF05P1	18		TTETSRB	4C	10F
TTEF05P2	1C		TTETSS	4C	203
TTEF05SA	16		TTETSSCH	4C	1
TTEF05SN	10		TTETSSRB	4C	20F
TTEF05TB	C		TTETSSRV	4C	205
TTEMBZ1	1		TTETSUSP	4C	19
TTEMEX	0	F0	TTETSVC	4C	5
TTEMSID	A	F	TTETSVCE	4C	F05
TTEMTDSP	4C	F	TTETSVCR	4C	105
TTEMTEXT	4C	3	TTETTIME	4C	1F
TTEMTSCH	4C	1	TTETUSRA	4C	A7F
TTEMTSVC	4C	5	TTETUSRB	4C	B7F
TTEREGS	0	F	TTETUSRC	4C	C7F
TTETACR	4C	17	TTETUSRD	4C	D7F
TTETALTR	4C	1B	TTETUSRE	4C	E7F

Name	Hex Offset	Hex Value
TTETUSRF	4C	F7F
TTETUSR0	4C	7F
TTETUSR1	4C	17F
TTETUSR2	4C	27F
TTETUSR3	4C	37F
TTETUSR4	4C	47F
TTETUSR5	4C	57F
TTETUSR6	4C	67F
TTETUSR7	4C	77F
TTETUSR8	4C	87F
TTETUSR9	4C	97F
TTETWAIT	4C	F0F
TTETYPE	0	
TTEUNQ	C	
TTEWRDA	34	
TTEWRDB	38	
TTEWRDC	3C	
TTEWRDD	40	
TTEWRDE	44	
TTEWRDF	48	
TTEWRD0	C	
TTEWRD1	10	
TTEWRD2	14	
TTEWRD3	18	
TTEWRD4	1C	
TTEWRD5	20	
TTEWRD6	24	
TTEWRD7	28	
TTEWRD8	2C	
TTEWRD9	30	
TTEXP	0	
TTEXPEND	4C	
TTEXPID	B	
TTEXPSID	A	
TTEXPTYP	A	
TTE00B	C	
TTE00BCA	24	
TTE00BCT	2A	
TTE00BDN	10	
TTE00BDS	28	
TTE00BED	44	
TTE00BEW	2C	
TTE00BFG	20	
TTE00BHA	12	
TTE00BLE	3C	
TTE00BLH	34	
TTE00BPA	14	
TTE00BPL	38	
TTE00BPW	18	
TTE00BP1	18	
TTE00BP2	1C	
TTE00BSA	16	
TTE00BSC	22	
TTE00BSS	29	
TTE00BTB	C	
TTE00BTK	40	
TTE00BT1	40	
TTE00BT2	41	
TTE00BT3	42	
TTE00BUB	30	
TTE00F	C	
TTE00FED	34	
TTE00FG0	20	
TTE00FG1	24	
TTE00FHA	12	
TTE00FLH	2C	
TTE00FMW	28	
TTE00FPA	14	
TTE00FPL	30	
TTE00FPW	18	
TTE00FP1	18	
TTE00FP2	1C	
TTE00FR1	10	
TTE00FSA	16	
TTE00FTB	C	
TTE001	C	
TTE001AD	10	
TTE001CC	14	
TTE001CU	30	
TTE001DI	15	
TTE001DN	16	
TTE001ED	34	
TTE001HA	12	
TTE001IO	28	
TTE001O2	1C	
TTE001O3	20	
TTE001O4	24	
TTE001TB	C	
TTE001TK	2C	
TTE001T1	2C	
TTE001T2	2D	
TTE001T3	2E	
TTE001UB	18	
TTE003	C	
TTE003CD	20	
TTE003ED	30	
TTE003HA	12	
TTE003LE	2C	
TTE003LH	24	
TTE003PA	14	
TTE003PL	28	
TTE003PW	18	
TTE003P1	18	
TTE003P2	1C	
TTE003R1	10	
TTE003SA	16	
TTE003TB	C	
TTE005	C	
TTE005ED	28	
TTE005GF	1C	
TTE005G0	20	
TTE005G1	24	
TTE005HA	12	
TTE005PW	14	
TTE005P1	14	
TTE005P2	18	
TTE005SN	10	
TTE005TB	C	
TTE007	C	
TTE007CD	2E	
TTE007ED	34	
TTE007HA	12	
TTE007IL	2C	
TTE007LE	20	
TTE007LH	18	
TTE007PA	14	
TTE007PL	1C	
TTE007PW	24	
TTE007P1	24	
TTE007P2	28	

Name	Hex Offset	Hex Value
TTE007R1	10	
TTE007SA	16	
TTE007TA	30	
TTE007TB	C	
TTE007ZD	38	
TTE007ZL	34	
TTE007ZT	30	
TTE009	C	
TTE009CD	22	
TTE009ED	3C	
TTE009HA	12	
TTE009IA	28	
TTE009IB	2C	
TTE009ID	24	
TTE009IL	20	
TTE009LE	34	
TTE009LH	30	
TTE009PA	14	
TTE009PC	10	
TTE009PL	38	
TTE009PW	18	
TTE009P1	18	
TTE009P2	1C	
TTE009SA	16	
TTE009TB	C	
TTE01B	C	
TTE01BAC	1C	
TTE01BBF	26	
TTE01BCT	24	
TTE01BED	28	
TTE01BFC	18	
TTE01BHA	12	
TTE01BPA	14	
TTE01BPT	20	
TTE01BR1	10	
TTE01BSA	16	
TTE01BTB	C	
TTE01D	C	
TTE01DED	40	
TTE01DHA	12	
TTE01DLE	18	
TTE01DLH	14	
TTE01DPL	1C	
TTE01DSI	10	
TTE01DTB	C	
TTE01DU	20	
TTE01DU1	20	
TTE01DU2	24	
TTE01DU3	28	
TTE01DU4	2C	
TTE01DU5	30	
TTE01DU6	34	
TTE01DU7	38	
TTE01DU8	3C	
TTE01F	C	
TTE01FED	40	
TTE01FHA	12	
TTE01FSI	10	
TTE01FTB	C	
TTE01FU	14	
TTE01FUA	38	
TTE01FUB	3C	
TTE01FU1	14	
TTE01FU2	18	
TTE01FU3	1C	

Name	Hex Offset	Hex Value
TTE01FU4	20	
TTE01FU5	24	
TTE01FU6	28	
TTE01FU7	2C	
TTE01FU8	30	
TTE01FU9	34	
TTE013	C	
TTE013ED	38	
TTE013HA	12	
TTE013LE	34	
TTE013LH	2C	
TTE013MC	20	
TTE013M1	20	
TTE013M2	24	
TTE013PA	14	
TTE013PL	30	
TTE013PS	28	
TTE013PW	18	
TTE013P1	18	
TTE013P2	1C	
TTE013R1	10	
TTE013SA	16	
TTE013TB	C	
TTE015	C	
TTE015ED	40	
TTE015GF	20	
TTE015G0	24	
TTE015G1	28	
TTE015HA	12	
TTE015LE	3C	
TTE015LH	34	
TTE015MW	30	
TTE015PA	14	
TTE015PL	38	
TTE015PS	2C	
TTE015PW	18	
TTE015P1	18	
TTE015P2	1C	
TTE015R1	10	
TTE015SA	16	
TTE015TB	C	
TTE017	C	
TTE017AD	14	
TTE017ED	34	
TTE017FG	18	
TTE017FR	1C	
TTE017HA	12	
TTE017LE	30	
TTE017LH	28	
TTE017LP	10	
TTE017MW	24	
TTE017PL	2C	
TTE017PS	20	
TTE017R1	19	
TTE017TB	C	
TTE019	C	
TTE019AD	24	
TTE019ED	34	
TTE019HA	12	
TTE019LE	30	
TTE019LH	28	
TTE019PL	2C	
TTE019RB	18	
TTE019RT	14	
TTE019R1	10	

Name	Hex Offset	Hex Value
TTE019SB	1C	
TTE019SI	20	
TTE019TB	C	
TTE07F	C	
TTE07FAD	18	
TTE07FCI	1C	
TTE07FHA	12	
TTE07FMW	1E	5
TTE07FPA	14	
TTE07FPI	1C	
TTE07FRB	1E	
TTE07FRV	10	
TTE07FSA	16	
TTE07FTB	C	
TTE10F	C	
TTE10FAP	1E	
TTE10FED	2C	
TTE10FFN	1C	
TTE10FG0	20	
TTE10FG1	24	
TTE10FHA	12	
TTE10FLH	11	
TTE10FPT	28	
TTE10FPW	14	
TTE10FP1	14	
TTE10FP2	18	
TTE10FSF	10	
TTE10FTB	C	
TTE101	C	
TTE101AD	10	
TTE101CC	14	
TTE101DN	16	
TTE101ED	2C	
TTE101FB	23	
TTE101F1	1C	
TTE101F2	1D	
TTE101HA	12	
TTE101IO	24	
TTE101LM	1E	
TTE101MI	20	
TTE101O2	1C	
TTE101O3	20	
TTE101PM	1F	
TTE101P2	22	
TTE101R1	15	
TTE101TB	C	
TTE101TK	28	
TTE101T1	28	
TTE101T2	29	
TTE101T3	2A	
TTE101UB	18	
TTE103	C	
TTE103CD	20	
TTE103ED	3C	
TTE103HA	12	
TTE103LE	38	
TTE103LH	30	
TTE103PA	14	
TTE103PL	34	
TTE103PW	18	
TTE103P1	18	
TTE103P2	1C	
TTE103R1	10	
TTE103SA	16	
TTE103SE	2C	
TTE103SI	24	
TTE103SP	28	
TTE103TB	C	
TTE105	C	
TTE105ED	28	
TTE105GF	1C	
TTE105G0	20	
TTE105G1	24	
TTE105HA	12	
TTE105PW	14	
TTE105P1	14	
TTE105P2	18	
TTE105SN	10	
TTE105TB	C	
TTE20F	C	
TTE20FAP	2A	
TTE20FED	30	
TTE20FFN	28	
TTE20FHA	12	
TTE20FLH	11	
TTE20FPA	14	
TTE20FPL	2C	
TTE20FPT	20	
TTE20FPW	18	
TTE20FP1	18	
TTE20FP2	1C	
TTE20FR1	10	
TTE20FSA	16	
TTE20FSP	24	
TTE20FTB	C	
TTE201	C	
TTE201AD	10	
TTE201AI	20	
TTE201CC	14	
TTE201DI	15	
TTE201DN	16	
TTE201ED	2C	
TTE201HA	12	
TTE201IO	24	
TTE201IQ	1C	
TTE201TB	C	
TTE201TK	28	
TTE201T1	28	
TTE201T2	29	
TTE201T3	2A	
TTE201UB	18	
TTE203	C	
TTE203AD	32	
TTE203AT	34	
TTE203BA	24	
TTE203CD	20	
TTE203CM	28	
TTE203ED	44	
TTE203HA	12	
TTE203LE	40	
TTE203LH	38	
TTE203PA	14	
TTE203PL	3C	
TTE203PW	18	
TTE203P1	18	
TTE203P2	1C	
TTE203RC	2E	
TTE203R1	10	
TTE203R2	30	
TTE203R3	2C	

Name	Hex Offset	Hex Value
TTE203SA	16	
TTE203TB	C	
TTE205	C	
TTE205CI	14	
TTE205ED	28	
TTE205HA	12	
TTE205SI	10	
TTE205TB	C	
TTE205U1	18	
TTE205U2	1C	
TTE205U3	20	
TTE205U4	24	
TTE301	C	
TTE301AD	10	
TTE301AI	20	
TTE301CC	14	
TTE301DI	15	
TTE301DN	16	
TTE301ED	2C	
TTE301HA	12	
TTE301IO	24	
TTE301IQ	1C	
TTE301TB	C	
TTE301TK	28	
TTE301T1	28	
TTE301T2	29	
TTE301T3	2A	
TTE301UB	18	
TTE303	C	
TTE303CD	20	
TTE303ED	34	
TTE303HA	12	
TTE303LE	30	
TTE303LH	28	
TTE303PA	14	
TTE303PB	24	
TTE303PL	2C	
TTE303PW	18	
TTE303P1	18	
TTE303P2	1C	
TTE303R1	10	
TTE303SA	16	
TTE303TB	C	
TTE401	C	
TTE401AD	10	
TTE401CC	14	
TTE401DI	15	
TTE401DN	16	
TTE401ED	24	
TTE401HA	12	
TTE401IO	1C	
TTE401TB	C	
TTE401TK	20	
TTE401T1	20	
TTE401T2	21	
TTE401T3	22	
TTE401UB	18	
TTE403	C	
TTE403CD	20	
TTE403ED	38	
TTE403HA	12	
TTE403LE	34	
TTE403LH	2C	
TTE403PA	14	
TTE403PL	30	
TTE403PW	18	
TTE403P1	18	
TTE403P2	1C	
TTE403R1	10	
TTE403R2	28	
TTE403SA	16	
TTE403TA	2A	
TTE403TB	C	
TTE403TT	24	
TTE501	C	
TTE501CC	14	
TTE501DN	16	
TTE501ED	2C	
TTE501FC	15	
TTE501HA	12	
TTE501M1	1C	
TTE501M2	20	
TTE501QI	24	
TTE501SI	18	
TTE501TB	C	
TTE501UB	28	

TXTFT Programming Interface information

Programming Interface information

TXTFT

End of Programming Interface information

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TXTFT Heading Information

Common Name: C/I Text Format Mapping
Macro ID: IEFTXTFT
DSECT Name: TEXT
Owning Component: MVS Converter/Interpreter (SC1B9)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
Key: 1
Residency: ANY
Size: Variable
Created by: Converter
Pointed to by:
- Register 1, Word 2 on entry to JES2 Exit 6
- Register 1, Word 1 on entry to JES3 Exit IATUX03

Serialization: None
Function: This Macro is used to map the Converter Interpreter (C/I) text string, generated by the MVS Converter.

TXTFT Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TEXT	

Comment

THE FOLLOWING FIELDS ARE COMMON TO ALL TEXT STRING TYPES.

End of Comment

0	(0)	CHARACTER	2	STRLTH	LENGTH OF TEXT STRING.
2	(2)	CHARACTER	1	STRINDCS	STATEMENT TYPE AND MISCELLANEOUS INDICATORS
		1		JOBSTR	"X'01'" JOB STATEMENT TEXT STRING
		.... ..1.		EXECSTR	"X'02'" EXEC STATEMENT TEXT STRING
		.... .1..		DDSTR	"X'04'" DD STATEMENT TEXT STRING
		.... 1...		PROCSTR	"X'08'" PROC STATEMENT TEXT STRING
		...1		LASTSTMT	"X'10'" LAST STMT FOR THIS STEP.
		..1.		JDVBSTR	"X'20'" JDT-DEFINED VERB STRING
		.1..		JDTJCL	"X'40'" JDT-DEFINED JCL APPEARS IN THIS STATEMENT
		1...		STRINDE	"X'80'" INDICATES THE EXTENDED STATEMENT BYTES ARE PRESENT IN THE TEXT PREFIX
3	(3)	CHARACTER	2	STRINDCE (0)	EXTENDED STATEMENT TYPE FIELDS
3	(3)	CHARACTER	1	STRINDC1	EXTENDED STATEMENT TYPE FIELD 1
		1...		IFSTR	"X'80'" IF STATEMENT TEXT STRING
		.1..		ELSESTR	"X'40'" ELSE STATEMENT TEXT STRING
		..1.		ENDIFSTR	"X'20'" ENDIF STATEMENT TEXT STRING
4	(4)	CHARACTER	1	STRINDC2	EXTENDED STATEMENT TYPE FIELD 2

Comment

FORMAT FOR JOB TEXT STRING
2 1 1 1 1 1
STRLTH STRINDCS STRJINDC STRJIND2 STRJLABD STRJKEY
2 1 1 1 1 1

End of Comment

3	(3)	CHARACTER	1	STRJINDC	JOB INDICATORS
		1		JTXACCTN	"X'01'" ACCT NO. REQUIRED.
		.... ..1.		JTXPROGN	"X'02'" PROGRAMMER NAME REQUIRED.
		.... .1..		JTXJOBFL	"X'04'" JOB HAS BEEN FAILED.
		.... 1...		JTXSYSCK	"X'08'" JOB HAS SYSCHK DD.

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		JTXCPSTF	"X'10'" C/R - FLUSH TO RESTART STEPNAME.
		..1.		JTXMHEDR	"X'20'" MESSAGE HEADER HAS BEEN WRITTEN.
		.1..		JTXREGDF	"X'40'" REGION VALUE IS A DEFAULT.
		1...		JTXJDJCL	"X'80'" JDT-DEFINED JCL APPEARS IN THIS JOB'S JCL
4	(4)	CHARACTER	1	STRJIND2	BYTE 2 OF JOB TEXT INDICATORS.
		1		JDJCLERR	"X'01'" JDT-DEFINED JCL ERROR IN THIS JOB'S JCL
		.... ..1.		JBXA	"X'02'" USER SWA ABOVE INDICATOR
		.... .1..		JTXJCLV	"X'04'" INDICATES JCL VERSION NUMBER CONTAINED IN JOB TEXT, STATEMENT NUMBER IN TEXT AND JDT DEFINED KEYS IN TEXT
5	(5)	CHARACTER	1	STRJLABD	BYPASS LABEL PROCESSING DEFAULT.

Comment

ENTIRE BYTE IS USED, AS IEFVDA OR'S BYTE DIRECTLY INTO JFCB.

End of Comment

		1		JTXLABNL	"X'01'" DEFAULT IS NO LABEL.
		...1		JTXLABLP	"X'10'" DEFAULT IS BYPASS LABEL PROCESSING.

Comment

END OF JOB TEXT STRING PREFIX

End of Comment

6	(6)	CHARACTER	1	STRJKEY (0)	VERB KEY FOR JOB TEXT STRING
6	(6)	X'6'	0	STRJPFXL	"STRJKEY-TEXT" LENGTH OF JOB TEXT STRING PREFIX

Comment

FORMAT FOR EXEC/PROC TEXT STRINGS
2 1 1 1
STRLTH STRINDCS STREINDC STREKEY

End of Comment

3	(3)	CHARACTER	1	STREINDC	EXEC INDICATORS.
		1		ETXCPFLG	"X'01'" CHECKPT/RESTART EXEC STMT.
		.... ..1.		ETXSTPCT	"X'02'" STEP HAS A STEPCAT DD.
		.... .1..		ETXSTPLB	"X'04'" STEP HAS A STEPLIB DD.
		.... 1...		ETXPROC	"X'08'" STATEMENT IS FROM A PROC.
		...1		ETXNODD	"X'10'" STEP HAS NO DD STATEMENTS.
		..1.		ETXPRCV	"X'20'" STATEMENT INVOKES A PROCEDURE.
		.1..		ETXCOVR	"X'40'" COND key - override processing

Comment

END OF EXEC/PROC TEXT STRING PREFIX

End of Comment

4	(4)	CHARACTER	1	STREKEY (0)	VERB KEY FOR EXEC/PROC TEXT STRING
4	(4)	X'4'	0	STREPFXL	"STREKEY-TEXT" LENGTH OF EXEC/PROC TEXT STRING PFX

Comment

FORMAT FOR DD TEXT STRINGS
2 1 1 1
STRLTH STRINDCS STRDINDC STRDKEY

End of Comment

3	(3)	CHARACTER	1	STRDINDC	DD TEXT STRING INDICATORS.
		1		DTXDUMMY	"X'01'" DUMMY OR DSN=NULLFILE SPECIFIED ON DD AND NOT OVERRIDDEN
		.... ..1.		DTXDDNM	"X'02'" DDNAME= SPECIFIED ON STATEMENT.

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... .1..		DTXDSNLT	"X'04'" DSNAME SPECIFIED AS A LITERAL.
		.... 1...		DTXDYNAM	"X'08'" DYNAM SPECIFIED ON STATEMENT.
		...1		DTXSYSIN	"X'10'" TEXT IS FOR A SPOOLED DATA SET.
		..1.		DTXSYOUT	"X'20'" TEXT IS FOR A SYSOUT DATASET
		.1..		DTXSUBSK	"X'40'" SUBSYS= SPECIFIED ON STMT
		1...		DTXPROC	"X'80'" STATEMENT IS FROM A PROC.

Comment

END OF DD TEXT STRING PREFIX

End of Comment

4	(4)	CHARACTER	1	STRDKEY (0)	VERB KEY FOR DD TEXT STRING
4	(4)	X'4'	0	STRDPFXL	"STRDKEY-TEXT" LENGTH OF DD TEXT STRING PREFIX

Comment

FORMAT FOR JDT-DEFINED VERB TEXT STRINGS
2 1 1 1
STRLTH STRINDCS STRSINDC STRSKEY

End of Comment

3	(3)	CHARACTER	1	STRSINDC	JDT-DEFINED TEXT STRING FLAGS
		1...		JDXPROC	"X'80'" STATEMENT IS FROM A PROC.

Comment

END OF JDT-DEFINED TEXT STRING PREFIX

End of Comment

4	(4)	CHARACTER	1	STRSKEY (0)	VERB KEY FOR JDT TEXT STRING
4	(4)	X'4'	0	STRSPFXL	"STRSKEY-TEXT" LENGTH OF JDT-DEFINED VERB TEXT STRING PREFIX

Comment

FORMAT FOR IF, THEN AND ELSE TEXT STRINGS PREFIX
2 1 2 1
STRLTH STRINDCS STRINDCE STRIKEY

End of Comment

5	(5)	CHARACTER	1	STRIKEY (0)	VERB KEY FOR IF, THEN AND ELSE

Comment

END OF IF, THEN AND ELSE TEXT STRING PREFIX

End of Comment

5	(5)	X'5'	0	STRIPFXL	"STRIKEY-TEXT" LENGTH OF IF, THEN AND ELSE TEXT STRING PREFIX

TXTFT Cross Reference

Name	Hex Offset	Hex Value
DDSTR	2	4
DTXDDNM	3	2
DTXDSNLT	3	4
DTXDUMMY	3	1
DTXDYNAM	3	8
DTXPROC	3	80
DTXSUBSK	3	40
DTXSYOUT	3	20
DTXSYSIN	3	10
ELSESTR	3	40
ENDIFSTR	3	20
ETXCOVR	3	40
ETXCPFLG	3	1
ETXNODD	3	10
ETXPRCV	3	20
ETXPROC	3	8
ETXSTPCT	3	2
ETXSTPLB	3	4
EXECSTR	2	2
IFSTR	3	80
JBXA	4	2
JDJCLERR	4	1
JDTJCL	2	40
JDVBSTR	2	20
JDXPROC	3	80
JOBSTR	2	1
JTXACCTN	3	1
JTXCPSTF	3	10
JTXJCLV	4	4
JTXJDJCL	3	80
JTXJOBFL	3	4
JTXLABLP	5	10
JTXLABNL	5	1
JTXMHEDR	3	20
JTXPROGN	3	2
JTXREGDF	3	40
JTXSYSCK	3	8
LASTSTMT	2	10
PROCSTR	2	8
STRDINDC	3	
STRDKEY	4	
STRDPFXL	4	4
STREINDC	3	
STREKEY	4	
STREPFXL	4	4
STRIKEY	5	
STRINDCE	3	
STRINDCS	2	
STRINDC1	3	
STRINDC2	4	
STRINDE	2	80
STRIPFXL	5	5
STRJINDC	3	
STRJIND2	4	
STRJKEY	6	
STRJLABD	5	
STRJPFXL	6	6
STRLTH	0	
STRSINDC	3	
STRSKEY	4	
STRSPFXL	4	4
TEXT	0	

UCB Programming Interface information

Programming Interface information

UCB

ONLY the following fields are part of the programming interface information:

- UCBALOC
- UCBASID
- UCBAUTOS
- UCBCHAN
- UCBCHGS
- UCBCLEXT
- UCBDADI
- UCBDVCLS
- UCBID
- UCBMTPXP
- UCBNOCON
- UCBNRY
- UCBONLI
- UCBPRES
- UCBPUB
- UCBRESV
- UCBREW
- UCBSTND
- UCBSYSR
- UCBTBYT1
- UCBTBYT2
- UCBTBYT3
- UCBTBYT4
- UCBTYP
- UCBUNLD
- UCBUNTYP
- UCBVRDEV

End of Programming Interface information

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UCB Heading Information

Common Name: UCB Mapping Macro
Macro ID: IEFUCBOB
DSECT Name: UCB
Owning Component: IOS (SC1C3)
Eye-Catcher ID: 'FF'X
Offset: 3 BYTES FROM THE BEGINNING OF THE UCB COMMON SEGMENT
Length: 1 BYTE
Storage Attributes: Subpool: 245 (SQA/ESQA). 255 (LSQA) for UCBs captured in private.
Key: 0
Residency: ABOVE or BELOW depending on the device definition. A particular UCB resides above 16Mb if the device type supports UCBs above 16Mb and the installation defines the UCB to reside above 16Mb. (Captured UCBs reside below 16Mb.) If a UCB resides above 16Mb, the following shows the parts of the UCB and indicates if they are captured or not when the UCB is captured. UCB Common Extension - Captured - UCB Prefix Stub - Captured - UCB Common Segment - Captured - UCB Device Dependent Segment - Captured - Device Dependent Extension - Not Captured - Device Class Extension - Captured unless UIM specified DCE as shared or DCE can reside in 31 bit storage independent of LOCANY
Size: Device Class Extension : 0 to 256 bytes
UCB Common Extension : 32 bytes for all devices
UCB Prefix Stub : 8 bytes for all devices
UCB Common Segment : 24 bytes for all devices
UCB Device Dependent Segment: 0 to 24 bytes for below 16Mb devices. No limit on the size for above 16Mb devices
Device Dependent Extension : 0 to 40 bytes
Created by: IEAIPL03 IOSVCMUB

Pointed to by:

-The UCB common segment address can be obtained by invoking UCBLOOK or UCBSCAN.
-The UCB common extension address can be obtained by invoking IOSCMXR, IOSCMXA, UCBLOOK UCBCXPTR or UCBSCAN UCBCXPTR.
-The UCB address located from the UCB chain field points to the UCB common segment.
-The common segment of the first STATIC/INSTALLATION STATIC, 3-digit, below 16Mb UCB is pointed to by the CVTUCBA field of the CVT. The UCBNXUCB field of the UCB common segment points to the next STATIC/INSTALLATION STATIC, 3-digit, below 16Mb UCB on the chain.
-The Device Class Queue (DCQ) is pointed to by the CVTDCQA field in the CVT. The first STATIC/INSTALLATION STATIC, 3-digit, below 16Mb UCB within the device class is pointed to by the DCQUCBAD field.
-DEBUCBAD field of the DEB
-DDRFMUCB field of the DDRCOM data area
-DDRTOUCB field of the DDRCOM data area
-IOSUCB field of the IOSB data area
-IOQUCB field of the IOQ data area
-JESUNITS field of the JESCT data area
-PCCACHUB field of the PCCA data area (channel-detected error UCB)
-RQEUCB field of the RQE data area
-SSDRSFRU field of the SSDR data area
-SSDRSTOU field of the SSDR data area
-TCCWUCB field of the TCCW data area
-TCTUCBP field of the TCT data area
-TIOEFSRT field of the TIOT data area

Serialization:

UCB lock, compare and swap logic, ENQ on major SYSIEFSD minor Q4.
The method used is field dependant.

Function:

This mapping describes the control block required to define an I/O device to the system.

The UCB contains all the information necessary for the device to be used for performing I/O requests and records the status of a physical I/O device represented by a subchannel.

The UCB describes the characteristics of a device to the operating system. The UCB is used by the I/O supervisor in performing I/O requests, and the job scheduler during allocation of the device. There is a UCB for each device defined in the I/O configuration. The hardware configuration definition (HCD) stores the device definition data in an I/O definition file (IODF).

UCB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
-512	(-200)	STRUCTURE	0	UCB	, UCBPTR-512 (Where UCBPTR points to UCBOB)
0	(0)	X'0'	0	UCBBGN	"*"
-512	(-200)	SIGNED	4	(126)	Reserved
-512	(-200)	X'1F8'	0	UCBPXST	"*" PREFIX stub

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
		Prefix Stub UCB lock word and pointer to the active IOQ element			
				End of Comment	
-8	(-8)	SIGNED	4	UCBLOCK	Device lock word
-4	(-4)	ADDRESS	4	UCBIOQ	Address of last queuing element started, halted, or cleared for this device. This field contains a valid address only when UCBSTRT, UCBHALT, or UCBCLEAR are set on.
-4	(-4)	X'8'	0	UCBCURPX	"*-UCBPXST" Actual prefix stub data length
-4	(-4)	X'200'	0	UCBPRFX	"*-UCB" Total prefix area length for prefix addressability
				Comment	
		UCB common segment			
				End of Comment	
0	(0)	SIGNED	4	UCBOB (0)	
0	(0)	X'200'	0	UCBCMSEG	"*" Start of common segment
0	(0)	BITSTRING	1	UCBJBNR	Flag byte
				Comment	
		Fields and flags used by allocation, access methods, etc.			
				End of Comment	
		1...		UCBVRDEV	"X'80'" UCB for VIO device
		.1..		UCBJES3	"X'40'" All volume mounting and device management for this device is controlled by JES3
		..1.		UCBDUC	"X'20'" Display device unit check detected during IPL
		...1		UCBJ3DV	"X'10'" Device is defined to JES3
		.... 1...		UCBOLDSM	"X'08'" OLTEP communicating directly with the Mass Storage Control (MSC), not through the Mass Storage System Communicator (MSSC)
		.... .1..		UCBMMSGP	"X'04'" Mount message pending. The device has been selected by device allocation, but no mount message has been issued.
		.... ..1.		UCBDCONS	"X'02'" Disabled console support controls this console.
		1		UCBMONT	"X'01'" Volume to be mounted is to be retained or contains a passed data set (Set by device allocation or data management)
1	(1)	BITSTRING	1	UCBFL5	Flags
		1...		UCBDCC	"X'80'" Disconnect command chain device
		.1..		UCBAF	"X'40'" Attention for this console device is to be processed by the communications task
		.1..		UCBAMV	"X'40'" Successful comparison checking of the access method catalog and the VTOC (VSAM direct access devices only)
		..1.		UCBSMS	"X'20'" Data management flag
		...1		UCBVSDR	"X'10'" Device has variable length SDRs
		.... 1...		UCBENVRD	"X'08'" Device returns environmental data
		.... .1..		UCBNALOC	"X'04'" This offline device is being used by a system component. The device status must not change to online nor will it be allocated. The last path to the device must not be VARY'ed offline. The device is unavailable for usage by another system component which processes offline devices.
		.... ..1.		UCBALTCU	"X'02'" Device has an alternate control unit address
		1		UCBCUIR	"X'01'" Indicates whether the device is offline due to CUIR
				Comment	
		UCB identification byte - contains hex FF			
				End of Comment	
2	(2)	BITSTRING	1	UCBID	UCB identification (FF)

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		1111 1111		UCBSTND	"X'FF'" UCB identifier
		11.. 11..		UCBIDCPY	"X'CC'" UCB identifier for a UCB copy
		...1 ...1		UCBGUCB	"X'11'" UCB identifier for UCBs that are on the UCB chain, but have been changed from static to dynamic. These UCBs are invalid.
		...1 ..1.		UCBST1	"X'12'" UCB identifier for UCBs that are used exclusively by IOS
		1111 11.1		UCBST3	"X'FD'" UCB identifier for UCBs that are used exclusively by IOS

Comment

Device status flags controlled by allocation, access methods, etc

End of Comment

3	(3)	BITSTRING	1	UCBSTAT	Device status
		1...		UCBONLI	"X'80'" Device is online
		.1..		UCBCHGS	"X'40'" Device status is to be changed from online to offline, and either allocation is enqueued on devices or the device is allocated. (Bit 0 is also on.)
		..1.		UCBRESV	"X'20'" The mount status of the volume on this device is reserved
		...1		UCBUNLD	"X'10'" Unload operator command has been addressed to this device. The device is not yet unloaded.
		.... 1...		UCBALOC	"X'08'" Device is allocated. For auto-switchable devices, this bit indicates that the device WAS allocated by some system in the SYSPLEX at the time that Allocation last obtained the SYSPLEX allocation status. If field UCBASID is zero, the device is either allocated on another system or not allocated at all. To determine if the device is CURRENTLY allocated on the current system, check: UCBALOC equal ON AND UCBASID not equal zero.
		.... .1..		UCBPRES	"X'04'" The mount status of the volume on this device is permanently resident
		.... ..1.		UCBSYSR	"X'02'" System residence device or primary console or active console
		1		UCBDADI	"X'01'" Standard tape labels have been verified for this tape volume or secondary console or console status changing

Comment

Binary device number

End of Comment

4	(4)	SIGNED	2	UCBCHAN	Binary device number

Comment

IOS startability flags

End of Comment

6	(6)	BITSTRING	2	UCBSFLS (0)	Device status flags
6	(6)	BITSTRING	1	UCBFLA	I/O supervisor flag byte A
6	(6)	X'206'	0	UCBFL1	"UCBFLA" Alias
		1...		UCBDEFER	"X'80'" This device is temporarily unusable. All I/O requests will be queued until UCBDEFER is reset.
		.1..		UCBNRY	"X'40'" Device not ready
6	(6)	X'40'	0	UCBNOTRD	"UCBNRY" Alias
		..1.		UCBPERM	"X'20'" The subchannel for this device is unusable.
		...1		UCBPSNS	"X'10'" Pending sense operation
		.... 1...		UCBSTRT	"X'08'" IOS has issued a start subchannel and received condition code 0. If UCBHALT and UCBCLEAR are both off, then UCBIOQ contains the address of the IOQ for this I/O request. The bit is turned off when the requestor is to be notified that the request is complete.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... .1..		UCBHALT	"X'04'" IOS has issued a halt subchannel and received condition code 0. If UCBCLEAR is off, then UCBIOQ contains the address of the IOQ associated with the halt request. The bit is turned off when the halt interrupt occurs.
		.... ..1.		UCBCLEAR	"X'02'" IOS has issued a clear subchannel and received condition code 0. UCBIOQ contains the address of the IOQ associated with the clear request. The bit is turned off when the clear interrupt occurs.
		1		UCBBOX	"X'01'" This device has been forced offline due to an error
7	(7)	BITSTRING	1	UCBFLB	I/O supervisor flag byte B
		1...		UCBINCPT	"X'80'" An intercept condition exists requiring ERP processing and will be given to the next normal I/O request to the device. Intercept conditions are a result of: 1) A secondary interruption status with unit check and/or unit exception set, 2) an unsolicited interruption status with unit check and attention or device end set and the attention table entry indicates intercept, or 3) an unsolicited interruption status with unit check and the device-dependent EOS exit requests intercept.
		.1..		UCBNOPTH	"X'40'" Device has no operational paths. The bit is turned off when an unsolicited interrupt occurs or is simulated.
		..1.		UCBNOCON	"X'20'" Device is not connected to a subchannel
		...1		UCBHILVL	"X'10'" Non-normal UCBLEVEL value has been set
		.... 1...		UCBHDET	"X'08'" HOT-I/O detected, device boxed or not recovered yet
		.... .1..		UCBIOSN	"X'04'" I/O deferred waiting on synchronization I/O to complete

Comment

EQU X'02' Reserved - set to zero
EQU X'01' Reserved - set to zero
Pointer to the next UCB on the UCB chain

End of Comment

8	(8)	ADDRESS	4	UCBNXUCB	Address of the next UCB on the UCB chain
12	(C)	BITSTRING	1	UCBWGT	Flags
		1...		UCBIN	"X'80'" SYSIN
		.1..		UCBOUT	"X'40'" SYSOUT
		..1.		UCBPUB	"X'20'" Assumed that this device will be allocated for a public volume request
		...1		UCBREW	"X'10'" Rewind command has been addressed to this magnetic device by I/O support
		.... 1...		UCBMTPXP	"X'08'" Parallel access volume
		.... .1..		UCBVORSN	"X'04'" Vary command operator reason indicator
		.... ..1.		UCBVHRSN	"X'02'" Vary command hierarchy reason indicator
		1		UCBVLRSN	"X'01'" Vary command library reason indicator
13	(D)	CHARACTER	3	UCBNAME	Device number (EBCDIC)

Comment

UCBTYP field - 4 bytes of device unique data

End of Comment

16	(10)	BITSTRING	4	UCBTYP (0)	Device type
16	(10)	BITSTRING	1	UCBTBYT1	Model bits
		1...		UCB1FEA0	"X'80'" Bit 0
		.1..		UCB1FEA1	"X'40'" Bit 1
		..1.		UCB1FEA2	"X'20'" Bit 2
		...1		UCB1FEA3	"X'10'" Bit 3
		.... 1...		UCB1FEA4	"X'08'" Bit 4
		.... .1..		UCB1FEA5	"X'04'" Bit 5
		.... ..1.		UCB1FEA6	"X'02'" Bit 6
		1		UCB1FEA7	"X'01'" Bit 7
17	(11)	BITSTRING	1	UCBTBYT2	Option flags
		1...		UCB2OPT0	"X'80'" Flag 0
		.1..		UCB2OPT1	"X'40'" Flag 1

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		..1.		UCB2OPT2	"X'20'" Flag 2
		...1		UCB2OPT3	"X'10'" Flag 3
		.... 1...		UCB2OPT4	"X'08'" Flag 4
		.... .1..		UCB2OPT5	"X'04'" Flag 5
		.... ..1.		UCB2OPT6	"X'02'" Flag 6
		.... ..1.		UCBVLPWR	"X'02'" Volume requires alternate power source device
		1		UCB2OPT7	"X'01'" Flag 7
		1		UCBDVPWR	"X'01'" Device has alternate power source
18	(12)	BITSTRING	1	UCBDVCLS (0)	Same as UCBTBYT3
18	(12)	BITSTRING	1	UCBTBYT3	Class bits
		1...		UCB3TAPE	"X'80'" Tape
		.1..		UCB3COMM	"X'40'" Communications
		.1.. ...1		UCB3CTC	"X'41'" Channel-to-channel adapter
		..1.		UCB3DACC	"X'20'" Direct access
		...1		UCB3DISP	"X'10'" Display
		.... 1...		UCB3UREC	"X'08'" Unit record
		.... .1..		UCB3CHAR	"X'04'" Character reader
		.... ..1.		UCBRSV10	"X'02'" Reserved
		1		UCBRSV11	"X'01'" Reserved
19	(13)	CHARACTER	1	UCBUNTYP (0)	Same as UCBTBYT4
19	(13)	CHARACTER	1	UCBTBYT4	Device code
20	(14)	ADDRESS	4	UCBEXTPT (0)	Address of UCB common extension (Valid only for AMODE 24 modules and for UCBs which are defined below 16 Mb) IBM recommends using UCBLOOK to obtain the address of the UCB common extension.

Comment

I/O Supervisor flag byte

End of Comment

20	(14)	BITSTRING	1	UCBFLC	I/O supervisor flag byte C
		1...		UCBATTP	"X'80'" Attention pending
		.1..		UCBITFP	"X'40'" Intercept condition pending
		..1.		UCBUDE	"X'20'" Unsolicited device end received

Comment

EQU X'10' Reserved - set to zero

End of Comment

		.... 1...		UCBIVRS	"X'08'" Intervention required message issued
		.... .1..		UCBIVRR	"X'04'" Intervention required message is needed

Comment

EQU X'02' Reserved - set to zero

End of Comment

		1		UCBDDRSW	"X'01'" DDR switch pending on this device
21	(15)	ADDRESS	3	UCBEXTP	Address of UCB common extension (Valid only for UCBs which are defined below 16Mb) IBM recommends using UCBLOOK to obtain the address of the UCB common extension.
21	(15)	X'200'	0	SRTEJBNR	"UCBJBNR" Alias
21	(15)	X'1'	0	SRTEMNT	"UCBMONT" Alias
21	(15)	X'203'	0	SRTESTAT	"UCBSTAT" Alias
21	(15)	X'80'	0	SRTEONLI	"UCBONLI" Alias
21	(15)	X'40'	0	SRTECHGS	"UCBCHGS" Alias
21	(15)	X'20'	0	SRTERESV	"UCBRESV" Alias
21	(15)	X'10'	0	SRTEUNLD	"UCBUNLD" Alias
21	(15)	X'8'	0	SRTEALOC	"UCBALOC" Alias
21	(15)	X'4'	0	SRTEPRES	"UCBPRES" Alias
21	(15)	X'2'	0	SRTESYSR	"UCBSYSR" Alias
21	(15)	X'1'	0	SRTEDADI	"UCBDADI" Alias

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
21	(15)	X'206'	0	UCBFL2	"UCBFL1" Alias

Comment

UCB device-dependent segments start at label UCBDEV

End of Comment

21	(15)	X'218'	0	UCBDEV	"*"

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCBCMEXT	,
0	(0)	SIGNED	1	UCBETI	A binary number used by the exit effector routine to complete the 8-byte name of an IBM-supplied error routine for this device
1	(1)	SIGNED	1	UCBSTI	Increment which, when multiplied by 10, becomes an index to the statistics table (STATAB)
2	(2)	BITSTRING	1	UCBFL6	Device features byte
		1...		UCBASUN	"X'80'" Assign/unassign commands supported
		.1..		UCBMDISP	"X'40'" Device has message display
		..1.		UCBDBUF	"X'20'" Data is buffered prior to storing on permanent media
		...1		UCBIDS	"X'10'" Block ID supported on this device
		.... 1...		UCBSELFD	"X'08'" Indicates whether the device supports self description
		.... .1..		UCBSMSMM	"X'04'" Indicates that the device is a SMS managed mountable device
		.... ..1.		UCBLERP	"X'02'" Flag indicating that basic and intermediate ERP are supported for this device.
		1		UCBIOT	"X'01'" Flag indicating that the I/O timing functions are supported for this device
3	(3)	SIGNED	1	UCBATI	Index to the attention table (ANTAB) or optional job entry subsystem (JES) flag byte
		1...		UCBRSV04	"X'80'" Reserved
		.1..		UCBRSV05	"X'40'" Reserved
		..1.		UCBRSV06	"X'20'" Reserved
		...1		UCBRSV07	"X'10'" Reserved
		.... 1...		UCBRSV08	"X'08'" Reserved
		.... .1..		UCBRSV09	"X'04'" Reserved
		.... ..1.		UCBHALI	"X'02'" Optional job entry subsystem (JES) allocation indicator
		1		UCBHPDV	"X'01'" Optional job entry subsystem (JES) pseudo-device
4	(4)	SIGNED	1	UCBSNSCT	Count of sense bytes presented by this device
5	(5)	BITSTRING	1	UCBFLP1	Flag byte
		1...		UCBNSRCH	"X'80'" The currently allocated volume was specifically requested by volume serial number. It is not available for assignment by open/EOV for a non-specific volume request.
		.1..		UCBSHRUP	"X'40'" Shareable when in uniprocessor mode
		..1.		UCBRERP	"X'20'" Resident error routine
		...1		UCBINHIO	"X'10'" Inhibit halt subchannel from SVC 33
		.... 1...		UCBSWAPF	"X'08'" With bit set, the device is able to be swapped
		.... .1..		UCBERLOG	"X'04'" Indicates presence of an error log in a device
		.... ..1.		UCBDYNPH	"X'02'" If 1,dynamic pathing availability is an optional feature for this device
		1		UCBRALOC	"X'01'" Allocations to this device are restricted
6	(6)	CHARACTER	1	UCBSTLI	Statistics table lookup index
7	(7)	BITSTRING	1	UCBFL7	Miscellaneous usage flags
		1...		UCBMASGN	"X'80'" Multi-system assign done
		.1..		UCBSSPND	"X'40'" Suspended channel program
		..1.		UCBAUTOS	"X'20'" Device is auto-switchable
		...1		UCBNOSEL	"X'10'" Allocation should attempt to select a different device
		.... 1...		UCBEIDAW	"X'08'" 4K 8Byte IDAWs supported by device support code
		.... .1..		UCBASAFH	"X'04'" This device is assigned to a foreign host

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		UCBPRUN	"X'02'" This tape device is in unallocation processing - vary offline should not take it offline at this time. Unallocation recovery also uses this flag to know when UCB cleanup might still need to be done.
		1		UCBPONLI	"X'01'" For use by Allocation only
8	(8)	ADDRESS	4	UCBIEXT	Pointer to IOS UCB extension
12	(C)	BITSTRING	1	UCBCHPRM	Channel path recovery mask
13	(D)	SIGNED	1	UCBSATI	Attention table index saved by the scheduler
14	(E)	SIGNED	2	UCBASID	ASID of the memory to which this device is allocated with the following exceptions: o For unallocated tape, the ASID of the last memory to which this device was allocated. o For auto-switchable devices, UCBASID will be zero when the device is not allocated to the current system.
16	(10)	SIGNED	4	UCBWTOWD (0)	WTO word
16	(10)	BITSTRING	1		Reserved
17	(11)	CHARACTER	3	UCBWTOID	WTO message identifier
20	(14)	ADDRESS	4	UCBDDT (0)	Address of device descriptor table (DDT) associated with UCB
20	(14)	SIGNED	2	UCBDDTI	Contains DDT name list index during IPL processing
22	(16)	SIGNED	2		Remainder of DDT address
24	(18)	ADDRESS	4	UCBCLEXT	Pointer to device class extension. IBM recommends using IOSDCXR to obtain the address of the device class extension.
28	(1C)	SIGNED	2	UCBDCTOF	Device connect time Overflow counter
30	(1E)	BITSTRING	1	UCBCSFLG	Miscellaneous flags which should be serialized by compare and swap.
		1...		UCBNCC3	"X'80'" Indicates that IOS marked the device offline during NIP because at least one path was found not operational. Used to determine if an XCF CTC should be marked online by IECVIOPM

Comment

```
EQU X'40' Reserved
EQU X'20' Reserved
EQU X'10' Reserved
EQU X'08' Reserved
EQU X'04' Reserved
EQU X'02' Reserved
EQU X'01' Reserved
```

End of Comment

31	(1F)	BITSTRING	1		Reserved

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCB	
536	(218)	CHARACTER	4	UCBVTOC	Relative address of VTOC for this volume, in form TTR0
540	(21C)	CHARACTER	6	UCBVOLI	Volume serial number
546	(222)	BITSTRING	1	UCBSTAB	Volume status
		1...		UCBBSVL	"X'80'" Volume demountable by data management (direct access)
		1...		UCBDVSHR	"X'80'" Device not shareable among several CPUs (3420 magnetic tape devices only)
		.1..		UCBPGFL	"X'40'" UCB is open and is being used as a page file
		..1.		UCBPRSRS	"X'20'" During volume attribute processing this bit is used both to denote UCBs that were marked permanently resident prior to getting control and to identify devices that were selected by the operator for mounting volumes (direct access)
		..1.		UCBBALB	"X'20'" Additional volume label processing (tape)
		...1		UCBBPRV	"X'10'" Private - volume use status
		.... 1...		UCBBPUB	"X'08'" Public - volume use status
		.... .1..		UCBBSTR	"X'04'" Storage - volume use status (direct access) The volume mounted has an American National Standard Label (tape)

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		UCBSHAR	"X'02'" Volume shareable among job steps
		1		UCBBNUL	"X'01'" Control volume - A catalog data set is on this volume (direct access). If the multiple console support option is in the system, demount or mount messages have been issued and the message ID's are at offsets 40 through 45. Open will delete the messages and turn this bit off. (tape)
547	(223)	BITSTRING	1	UCBDMCT	Volume use byte
		1...		UCBMOUNT	"X'80'" If 0, a mount verification has been performed. If 1, a mount request has been issued. (direct access) For tape, the following meanings apply. Normal scheduler processing - If 0, no volume has been mounted. If 1, a volume has been mounted but no volume label processing has been performed. SL open routine - If 0, standard volume label and correct serial number have been verified. If 1, volume label is not standard format or serial number is not correct. (A mount message has been issued.) NSL open routine - If 0, non-standard volume label has been verified. If 1, volume label is not standard format. (Control passes to the processing program's non-standard label processing routine.) Volume label is standard format. (Control remains with the open routine. A mount message has been issued.) BLP open routine - If 0, volume label has not been processed.
		.111 1111		UCBDMC	"X'7F'" Number of DCB's open for this volume
547	(223)	X'224'	0	UCBDATP	"*" End of common direct access/tape area
548	(224)	SIGNED	1	UCBSQC	Number of reserve macro instructions issued
549	(225)	BITSTRING	1	UCBFL4	Direct access flag byte
		1...		UCBMDSE1	"X'80'" DSE1 is required during MSI
		.1..		UCBWDAV	"X'40'" DAVV waiting for mount
		..1.		UCBDPAVB	"X'20'" PAV-base capabable device
		...1		UCBDPAVA	"X'10'" PAV-alis device
		.... 1...		UCBSDSE1	"X'08'" DSE1 is required during SIO
550	(226)	SIGNED	2	UCBUSER	Number of current users
550	(226)	X'226'	0	SRTEUSER	"UCBUSER" Alias
552	(228)	BITSTRING	1	UCBOBS1X (0)	Device dependent seg extension

Comment

The data area for the following fields exist for PAV-capable base devices (UCBDPAVB = '1'B) and for PAV alias devices (UCBDPAVA = '1'B).
The use of these fields are restricted and are not intended to be programming interfaces as the values can dynamically change.
To obtain PAV information use UCBINFO PAVINFO.
The PAVINFO returned data is mapped by IOSDPAVA.

End of Comment

552	(228)	ADDRESS	4	UCBBASE	Address of base exposure UCB
556	(22C)	ADDRESS	4	UCBNEXP	Base - address of first exposure
560	(230)	BITSTRING	8	UCBPAVBI	Reserved for IOS use
560	(230)	X'21C'	0	SRTEVOLI	"UCBVOLI" Alias
560	(230)	X'222'	0	SRTESTAB	"UCBSTAB" Alias
560	(230)	X'80'	0	SRTEBSVL	"UCBBSVL" Alias
560	(230)	X'20'	0	SRTEBALB	"UCBBALB" Alias
560	(230)	X'10'	0	SRTEBPRV	"UCBBPRV" Alias
560	(230)	X'8'	0	SRTEBPUB	"UCBBPUB" Alias
560	(230)	X'4'	0	SRTEBSTR	"UCBBSTR" Alias
560	(230)	X'4'	0	SRTEASCI	"UCBBSTR" Alias
560	(230)	X'4'	0	UCBASCI	"SRTEASCI" Alias
560	(230)	X'4'	0	SRTEBVQS	"SRTEBSTR" Alias
560	(230)	X'1'	0	SRTEBNUL	"UCBBNUL" Alias
560	(230)	X'223'	0	SRTEDMCT	"UCBDMCT" Alias

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					%UCBDA3:; DASD UCBTYP flags and values (IECDUCBD) These flags and values are valid only when UCBDVCLS (UCBTBYT3) is set to UCB3DACC. %GOTO UCBDA4; UCBTBYT2 flags
					End of Comment
		..1.		UCBRR	"X'20'" This device is shareable between two CPUs
		...1		UCBRPS	"X'10'" Rotational Position Sensing (RPS) device
		.... 1...		UCBRVDEV	"X'08'" If 0, real device. If 1, virtual device

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCB	
536	(218)	SIGNED	2	UCBFSCT	Data set sequence count
538	(21A)	SIGNED	2	UCBFSEQ	Data set sequence number
540	(21C)	CHARACTER	8		UCBVOLI, UCBSTAB and UCBDMCT as in direct access segment
540	(21C)	X'218'	0	SRTEFSCT	"UCBFSCT" Alias
540	(21C)	X'21A'	0	SRTEFSEQ	"UCBFSEQ" Alias
548	(224)	CHARACTER	6	UCBFSER	Before open, message IDs. See UCBSTAB bit 7. After open, data set serial number
554	(22A)	BITSTRING	1	UCBTFL2	Flag byte
		1...		UCBTXMS	"X'80'" Extended mode set supported
		.1..		UCBTPSF	"X'40'" Perform Subsystem Function command supported
		..1.		UCBTVCMP	"X'20'" Volume contains compacted data
		...1		UCBTLPOS	"X'10'" ERP detected permanent error - tape position unknown
555	(22B)	BITSTRING	1	UCBTFL1	Flag byte
		1...		UCBNLTP	"X'80'" Tape volume does not contain labels
		.1..		UCBNSLTP	"X'40'" Tape contains non-standard labels
		..1.		UCBDQDSP	"X'20'" Dequeue tape volume when demounted
		...1 1...		UCBTFL1S	"X'18'" UCBTFL1 bits swapped by DDR
		...1		UCBRV005	"X'10'" Unused
		.... 1...		UCBCSL	"X'08'" ACL feature present swapped by DDR
		.... .1..		UCBCSLAC	"X'04'" ACL active
		.... ..1.		UCBLKAHP	"X'02'" Lookahead mount pending
		1		UCBBLP	"X'01'" Bypass label processing
556	(22C)	ADDRESS	4	UCBXTN (0)	- ADDRESS OF THE MAGNETIC TAPE UCB EXTENSION
					Comment
					UCBVOPT MAPPING ADDED WITH APAR OY25849
					End of Comment
556	(22C)	BITSTRING	1	UCBVOPT	- VOLUME STATISTICS OPTION BITS
		1...		UCBESV	"X'80'" - ERROR STATISTICS BY VOLUME (ESV) RECORDS KEPT
		.1..		UCBEVA	"X'40'" - ERROR VOLUME ANALYSIS (EVA) RECORDS KEPT
		..1.		UCBESVC	"X'20'" - IF 0, ESV RECORDS SENT TO SYS1.MAN (X OR Y) DATA SET. IF 1, ESV RECORDS SENT TO CONSOLE.
		...1		UCBERPC	"X'10'" - AN ERROR RECOVERY PROCEDURE HAS CONTROL
		.... 1...		UCBESVE	"X'08'" - AN ESV RECORD HAS BEEN ISSUED FOR THIS VOLUME BECAUSE OF AN EOV CONDITION
		.... .1..		UCBPERR	"X'04'" - ERP DETECTED PERM ERROR. TAPE POSITION UNKNOWN.
		.... ..1.		UCBRSV21	"X'02',,C'X'" - RESERVED
		1		UCBRSV22	"X'01',,C'X'" - RESERVED

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
557	(22D)	ADDRESS	3	UCBXTNB	Address of the Segment Extension ..This pointer is valid if the ..UCB is genned below the line. ..Otherwise the pointer will be ..zero.

Comment

Magnetic Tape (device) Dependent Segment Extension
This extension mapping has been moved to render the TDS and the TDE contiguous. For details see INVOCATION in the prologue.

End of Comment

560	(230)	SIGNED	2	UCBMT (0)	UCBXTNB -> UCBMT (ONLY if UCB ..is genned below the line. ..Otherwise the pointer is 0
560	(230)	SIGNED	2	UCBCTD	Serial number in binary of tape drive upon which the volume was created
562	(232)	SIGNED	1	UCBOBRID	Outboard recorder ID
563	(233)	SIGNED	1	UCBMDRID	Miscellaneous data record ID
564	(234)	SIGNED	1	UCBTR	The number (binary) of temporary read errors that have occurred
564	(234)	BITSTRING	1	UCBMTFL1	MSGDISP dismount request
		1...		UCBMTDSM	"X'80'" DISP=D (dismount)
		.1..		UCBMTKEP	"X'40'" DISP=K (keep)
		..1.		UCBMTRET	"X'20'" DISP=R (retain)
565	(235)	SIGNED	1	UCBTW	The number (binary) of temporary write errors that have occurred
566	(236)	SIGNED	2	UCBSIO	The number (binary) of start I/O operations that have occurred. A new 4-byte field has been created in the Tape Device Class Extension mapped by IECUCBCX. The UCBSIO field tends to overflow on higher capacity tape drives. The new field is UCBCX_SIO. Both fields are incremented by the Tape Trap exit (IECTTRAP).
568	(238)	SIGNED	1	UCBPR	The number (binary) of permanent read errors that have occurred
569	(239)	SIGNED	1	UCBPW	The number (binary) of permanent write errors that have occurred
570	(23A)	CHARACTER	6	UCBSER (0)	Used for tape drives that have a message display - Usage during dismount processing only - serial of dismounted volume
570	(23A)	SIGNED	1	UCBNB	The number (binary) of noise blocks that have been encountered
571	(23B)	CHARACTER	1	UCBMS	Mode set operation code for data blocks on a 3420 magnetic tape unit
572	(23C)	SIGNED	2	UCBERG	The number (binary) of erase gaps that have been encountered
574	(23E)	SIGNED	2	UCBCLN	The number (binary) of cleaner actions that have occurred

Comment

%UCBMT3 : ;
Magnetic tape UCBTYP flags and values (IECDUCBT)
These flags and values are valid only when UCBDVCLS (UCBTBYT3) is set to UCB3TAPE.
%GOTO UCBMT4;
UCBTBYT1 flags

End of Comment

		.... .1..		UCBD1600	"X'04'" 1600 BPI
		.... ..1.		UCBD6250	"X'02'" 6250 BPI

Comment

UCBTBYT2 flags

End of Comment

		..1.		UCBDUDN1	"X'20'" Dual density 800/1600 BPI

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		UCBDUDN2	"X'10'" Dual density 1600/6250 BPI
		.... 1...		UCBRWTAU	"X'08'" Read/write tape control
		.... .1..		UCBCOMPA	"X'04'" - Compaction feature

Comment

UCBTBYT4 (UCBUNTYP) values

End of Comment

		11		UCB3400	"X'03'" 3400 magnetic tape
		1... ..1.		UCB3423	"X'82'" 3423 magnetic tape
		1...		UCB3480	"X'80'" 3480 magnetic tape
		1... ...1		UCB3490	"X'81'" 3490 magnetic tape
		1... ..11		UCB3591	"X'83'" 3590 magnetic tape

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCB	
536	(218)	ADDRESS	4	UCBXTADR	Address of UCS UCB extension (1403 or 3211) or address of optical character reader UCB extension (3886) or address of 3540 device UCB extension or address of 3800 UCB extension

Comment

%UCBUR3:;
3851 or 3838 device dependent segment (IECDUCBU)
%GOTO UCBUR4;

End of Comment

536	(218)	ADDRESS	4	UCBIOSBA	Address of IOSB. Set by IOS for error conditions.
540	(21C)	ADDRESS	4	UCBRV066 (0)	Reserved - set to zero
540	(21C)	ADDRESS	4	UCBAPUB	3838 VPSS APUB address

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCBOCR	, UCBXTADR -> UCBOCR
0	(0)	CHARACTER	4	UCBFRID	Current format record ID (FRID) loaded
4	(4)	BITSTRING	4	UCBRDATA	Command data

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCB3540X	, UCBXTADR -> UCB3540X
0	(0)	CHARACTER	6	UCBVLSER	3540 VOLID
6	(6)	BITSTRING	1	UCBDKBYT	Flag byte
		1...		UCBDKAMX	"X'80'" IBM-supplied diskette reader, diskette writer or copy/restore utilities are using this 3540 device
		.1..		UCBVLVER	"X'40'" Volume verification is required for certain intervention required conditions while 3540 diskette utilities are using the device
		..1.		UCBRV067	"X'20'" Reserved - set to zero
		...1		UCBRV068	"X'10'" Reserved - set to zero
		.... 1...		UCBRV069	"X'08'" Reserved - set to zero
		.... .1..		UCBRV070	"X'04'" Reserved - set to zero
		.... ..1.		UCBRV071	"X'02'" Reserved - set to zero
		1		UCBRV072	"X'01'" Reserved - set to zero
7	(7)	CHARACTER	1	UCBRV073	Reserved - set to zero

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCB3800X	, UCBXTADR -> UCB3800X
0	(0)	BITSTRING	1	UCBOPTNS	Optional features installed on printer
		1111		UCBMDLBT	"X'F0'" Model
		.... 1...		UCBRV055	"X'08'" Reserved - set to zero
		.... .1..		UCBRV056	"X'04'" Reserved - set to zero
		.... ..1.		UCBBRSTR	"X'02'" Burster/trimmer/stacker
		1		UCBRV083	"X'01'" Reserved - set to zero
1	(1)	SIGNED	1	UCBCGMNO	Number of writeable character generation modules
2	(2)	BITSTRING	1	UCBGRAFS	Graphic character flag byte
		1...		UCBRV046	"X'80'" Reserved - set to zero
		.1..		UCBRV047	"X'40'" Reserved - set to zero
		..1.		UCBRV048	"X'20'" Reserved - set to zero
		...1		UCBRV049	"X'10'" Reserved - set to zero
		.... 1...		UCBGRAF0	"X'08'" WCGM 0 has been modified by a graphic character modification
		.... .1..		UCBGRAF1	"X'04'" WCGM 1 has been modified by a graphic character modification
		.... ..1.		UCBGRAF2	"X'02'" WCGM 2 has been modified by a graphic character modification
		1		UCBGRAF3	"X'01'" WCGM 3 has been modified by a graphic character modification
3	(3)	BITSTRING	1	UCBACTIV	Active features
		1...		UCBRV057	"X'80'" Reserved - set to zero
		.1..		UCBRV058	"X'40'" Reserved - set to zero
		..1.		UCBRV059	"X'20'" Reserved - set to zero
		...1		UCBRV060	"X'10'" Reserved - set to zero
		.... 1...		UCBRV061	"X'08'" Reserved - set to zero
		.... .1..		UCBRV062	"X'04'" Reserved - set to zero
		.... ..1.		UCBRV063	"X'02'" Reserved - set to zero
		1		UCBBRSTA	"X'01'" Reserved - set to zero
4	(4)	CHARACTER	4	UCBCGMID	Four one byte ID's for character modules loaded in writeable character generation modules (WCGM'S)
8	(8)	CHARACTER	4	UCBCHAR1	Name of first translate table
12	(C)	CHARACTER	4	UCBCHAR2	Name of second translate table
16	(10)	CHARACTER	4	UCBCHAR3	Name of third translate table
20	(14)	CHARACTER	4	UCBCHAR4	Name of fourth translate table
24	(18)	CHARACTER	4	UCBFCBNM	Forms control buffer (FCB) image name
28	(1C)	CHARACTER	4	UCBIMAGE	Forms overlay image identification
32	(20)	SIGNED	2	UCBLDATA	Lost data page count
34	(22)	SIGNED	2	UCBPGID	ID of the last fused page for system restart or page at the transfer station for cancel key
36	(24)	ADDRESS	4	UCBMDRBF (0)	Miscellaneous data recording (MDR) buffer address
36	(24)	SIGNED	1	UCBRV075	Reserved - set to zero
37	(25)	ADDRESS	3	UCBMDRBA	MDR buffer address

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCBUCS	, UCBXTADR -> UCBUCS
0	(0)	CHARACTER	4	UCBUCSID	UCS image identification in buffer
4	(4)	BITSTRING	1	UCBUCSOP	Format of UCS image in buffer (O for option)
		1...		UCBUCSO1	"X'80'" UCS image is a default image
		.1..		UCBUCSO2	"X'40'" UCS image is in fold mode
		..1.		UCBRSV39	"X'20'" Reserved - set to zero
		...1		UCBRSV40	"X'10'" Reserved - set to zero
		.... 1...		UCBRSV41	"X'08'" Reserved - set to zero
		.... .1..		UCBRSV42	"X'04'" Reserved - set to zero
		.... ..1.		UCBRSV43	"X'02'" Reserved - set to zero
		1		UCBUCSPE	"X'01'" UCS image has parity error (3211)
5	(5)	BITSTRING	1	UCBFCBOP	Reserved (1403) or FCB options (3211) (O for option)
		1...		UCBFCBO1	"X'80'" FCB image is a default image
		.1..		UCBRSV44	"X'40'" Reserved - set to zero
		..1.		UCBRSV45	"X'20'" Reserved - set to zero

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		UCBRSV46	"X'10'" Reserved - set to zero
		.... 11..		UCBFCBPS	"X'0C'" Printer speed setting for a variable speed printer 01 - low speed 10 - medium speed 11 - high speed
		.... ..1.		UCBRSV49	"X'02'" Reserved - set to zero
		1		UCBFCBPE	"X'01'" FCB image has parity error
6	(6)	BITSTRING	1	UCBRSV51	Reserved - set to zero
7	(7)	SIGNED	1	UCBERCNT	Contains a count of the errors that have occurred. The count, which may wrap around, is written in standard OBR records (one per error) and in new device dependent OBR records (0 to 3 per error) and serve to relate to each other the standard and device dependent OBR records that pertain to each error (3211)
8	(8)	CHARACTER	4	UCBFCBID	The FCB image identification
12	(C)	ADDRESS	4	UCBERADR	The address of the ERP logout area
16	(10)	CHARACTER	2	UCBIPGID	Impact printer page ID for last good page after lost data condition
18	(12)	SIGNED	2	UCBPDCTO	Offset to printer device characteristics table (PDCT) from UCBUCS

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCBPDCTA	Printer device characteristics table (PDCT) area. (The PDCT resides in the UCS extension. However, its address must be computed by adding the value in UCBPDCTO to the address of UCBUCS.)
0	(0)	CHARACTER	16	UCBPDCT	Printer device characteristics table (PDCT), mapped by mapping macro IGGPDC

Comment

```
%UCBUR13:;
      Unit Record UCBTYP flags and values (IECDUCBU)
     These flags and values are valid only when UCBDVCLS
     (UCBTBYT3) is set to UCB3UREC.
%GOTO UCBUR14;
   UCBUNTYP (UCBTBYT4) Flag Byte
```

End of Comment

		 1111	UCBAFP1	"X'0F'" Printer support
		.1.. ..1.	UCBDSM	"X'42'" Mass Storage Control (MSC) (3851)
		.... 1..1	UCB3211	"X'09'" 3211 device
		...1 ...1	UCB3263	"X'11'" 3263 device
		.... 111.	UCB3800	"X'0E'" 3800 device
		.1.. 11..	UCB3838	"X'4C'" 3838 array processor
		...1 1..1	UCB3895	"X'19'" 3895 device
		...1 ...1	UCB4245	"X'11'" 4245 device
		...1 ..11	UCB4248	"X'13'" 4248 device

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCB	
536	(218)	SIGNED	2	UCBSTART	Last start address
538	(21A)	SIGNED	1	UCBOPEN	Number of DCB's that are currently open for this device
539	(21B)	CHARACTER	1	UCBGCB	Graphic control byte used for attention handling
540	(21C)	ADDRESS	4	UCBTEB	Address of Task Entry (TE) block
544	(220)	BITSTRING	4	UCBSNS	Sense information
548	(224)	ADDRESS	4	UCBBTA (0)	Address of buffer table
548	(224)	SIGNED	1	UCBDI	Device or devices on a control unit to which buffer sections are assigned
549	(225)	ADDRESS	3	UCBBTB	Address of buffer table

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					%UCBGR3:; 3270 Graphics device dependent segment (IECDUCBG) %GOTO UCBGR4;
					End of Comment
536	(218)	BITSTRING	2	UCBAOF (0)	Additional optional features. An extension of the optional features byte of the UCBTYP field.
536	(218)	BITSTRING	1	UCBAOF1	First byte of UCBAOF
		1...		UCBOFMCR	"X'80'" Magnetic card reader adapter (for 3277 only)
		.1..		UCBOFSP	"X'40'" Selector pen - for 3277 only
		..1.		UCBOFNL	"X'20'" Numeric lock - for 3277 only
		...1		UCBOFPTR	"X'10'" Prepare to read feature
		.... 1...		UCBRSV65	"X'08'" Reserved - set to zero
		.... .1..		UCBRSV66	"X'04'" Reserved - set to zero
		.... ..1.		UCBRSV67	"X'02'" Reserved - set to zero
		1		UCBRSV68	"X'01'" Reserved - set to zero
537	(219)	BITSTRING	1	UCBAOF2	Second byte of UCBAOF
		1...		UCBRSV69	"X'80'" Reserved - set to zero
		.1..		UCBRSV70	"X'40'" Reserved - set to zero
		..1.		UCBRSV71	"X'20'" Reserved - set to zero
		...1		UCBRSV72	"X'10'" Reserved - set to zero
		.... 1...		UCBRSV73	"X'08'" Reserved - set to zero
		.... .1..		UCBRSV74	"X'04'" Reserved - set to zero
		.... ..1.		UCBRSV75	"X'02'" Reserved - set to zero
		1		UCBRSV76	"X'01'" Reserved - set to zero
538	(21A)	SIGNED	1	UCBATNCT	Attention count. The number of attentions not serviced in the line group. Present only if the device index field is 1. Otherwise, this field is reserved.
539	(21B)	BITSTRING	1		UCBGCB - control byte. Used for attention handling flags
		1...		UCBOLTEP	"X'80'" OLTEP in control of the device
		.1..		UCBRSV77	"X'40'" Reserved - set to zero
		..1.		UCBRSV78	"X'20'" Reserved - set to zero
		...1		UCBRSV79	"X'10'" Reserved - set to zero
		.... 1...		UCBRTIAC	"X'08'" Read TI active
		.... .1..		UCBRIPND	"X'04'" Read initial pending
		.... ..1.		UCBSKPFG	"X'02'" Skip flag
		1		UCBATRCD	"X'01'" Attention received from the device
540	(21C)	ADDRESS	4	UCBIRB (0)	Address of the IRB used for scheduling the second level attention routine
540	(21C)	BITSTRING	1	UCBGRAF	Graphics status flags (BTAM)
		1...		UCBOIP	"X'80'" Open is in progress
		.1..		UCBDRO	"X'40'" Device ready in open
		..1.		UCBDRNO	"X'20'" Device ready - not in open
		...1		UCBBTAM	"X'10'" Use BTAM - IGG019UP
		.... 1...		UCBUPM	"X'08'" Use provided module
		.... .1..		UCBRPND	"X'04'" Ready processing not done
		.... ..1.		UCBDWNR	"X'02'" Device went not ready
		1		UCBRV039	"X'01'" Reserved - BTAM
541	(21D)	ADDRESS	3	UCBIRBA	Address of the IRB used for scheduling the second level attention routine
544	(220)	ADDRESS	4	UCBLDNCA (0)	Address of 3270 work area established by VTAM
544	(220)	ADDRESS	4	UCBRDYQ (0)	Asynchronous ready notification IRB address (BTAM)
544	(220)	SIGNED	1	UCBINRLN (0)	Same as UCBIRLN
544	(220)	SIGNED	1	UCBIRLN	Initialized RLN. The relative line number (RLN) of the IOB initialized for a read initial. If 0, no read initial is outstanding. Present only if the device index field is 1. Otherwise, this field is reserved.
545	(221)	ADDRESS	3	UCBLDNCB (0)	Address of 3270 work area established by VTAM
545	(221)	ADDRESS	3	UCBRDYQA	Asynchronous ready notification IRB address (BTAM)
548	(224)	ADDRESS	4	UCBCTLNK (0)	Same as UCBCTLNA below

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
548	(224)	SIGNED	1	UCBRLN	Device index. Index to the DEB UCB address field for this device. This value is also the relative line number.
549	(225)	ADDRESS	3	UCBCTLNA	Control block link. If the device index field is 1, this field contains the address of the DEB for the line group. If the device index field is between 2 and 255 inclusive, this field contains the address of the UCB with a device index of 1.

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCB	
536	(218)	ADDRESS	4	UCBRV040	Reserved for use as teleprocessing extension pointer
540	(21C)	ADDRESS	4	UCBICNCB	Pointer to VTAM's ICNCB

Comment

```
%UCBCO3:;
      Communication Equipment UCBTYP flags and values (IECDUCBE)
     These flags and values are valid only when UCBDVCLS
     (UCBTBYT3) is set to UCB3COMM.
   %GOTO UCBCO4;
        UCBTBYT4 Flag Byte
```

End of Comment

1111 ...1	UCB3791L	"X'F1'" 3791 Local control unit
...1 ...1	UCB42AD1	"X'11'" 2702 Control unit with type 1 adapter

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCB	
536	(218)	ADDRESS	4	UCBCTCAD (0)	Address of an SRB/IOSB to be used for sense command byte by IECTCATN if UCBCTC80 bit is set to zero
536	(218)	ADDRESS	4	UCBCTCAL	Address of JES3 routine for switching to alternate path CTC if UCBCTC80 bit is set to one
540	(21C)	BITSTRING	1	UCBCTCF1	Channel-to-channel (CTC) device flag byte
		1...		UCBCTC80	"X'80'" If this bit is on, above word has UCBCTCAL meaning. If this bit is off, above word has UCBCTCAD meaning.
		.1..		UCBRV076	"X'40'" Reserved for CTC owner
		..1.		UCBRV077	"X'20'" Reserved for CTC owner
		...1		UCBRV078	"X'10'" Reserved for CTC owner
		.... 1...		UCBRV079	"X'08'" Reserved for CTC owner
		.... .1..		UCBRV080	"X'04'" Reserved for CTC owner
		.... ..1.		UCBRV081	"X'02'" Reserved for CTC owner
		1		UCBRV082	"X'01'" Reserved for CTC owner
541	(21D)	BITSTRING	3	UCBRV042	Reserved for CTC owner
544	(220)	ADDRESS	4	UCBCTCWA	IECTCATN work area address
548	(224)	ADDRESS	4	UCBCTCF2	IOS CTC Flags, serialized via compare and swap
		1...		UCBCCLAW	"X'80'" CTC owner is using CLAW protocol, never ending channel programs
		1...		UCBNORMF	"X'80'" Prevent RMF from issuing asynch MSCH for device
		.1..		UCBCABYP	"X'40'" If set, bypass attention routine processing and post the caller's abnormal exit when attention+busy device status is received.

Comment

```
EQU X'3F' Reserved
        UCBTBYT4 mapping
```

End of Comment

....	UCBPCTC	"X'00'" Parallel CTC
....1	UCBSCTC	"X'01'" Serial CTC

UCB Cross Reference

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		UCBBCTC	"X'02'" Basic Mode ESCON CTC
		11		UCBRS6K	"X'03'" RS6000 acting like a CTC
		.... .1..		UCB3172	"X'04'" 3172 acting like a CTC
		.... .1.1		UCBOSA	"X'05'" OSA device
		.... .11.		UCBOSAD	"X'06'" OSA diagnostic device
		.... .111		UCBIQD	"X'07'" Internal Queued Direct Communications Device
		 1111		UCBOSAF	"X'0F'" OSA reserved device types 7-F
		..1.		UCBFCTC	"X'20'" FICON CTC

UCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SRTEALOC	15	8	UCBBALB	222	20
SRTEASCI	230	4	UCBBASE	228	
SRTEBALB	230	20	UCBBCTC	224	2
SRTEBNUL	230	1	UCBBGN	0	0
SRTEBPRV	230	10	UCBBLP	22B	1
SRTEBPUB	230	8	UCBBNUL	222	1
SRTEBSTR	230	4	UCBBOX	6	1
SRTEBSVL	230	80	UCBBPRV	222	10
SRTEBVQS	230	4	UCBBPUB	222	8
SRTECHGS	15	40	UCBBRSTA	3	1
SRTEDADI	15	1	UCBBRSTR	0	2
SRTEDMCT	230	223	UCBBSTR	222	4
SRTEFSCT	21C	218	UCBBSVL	222	80
SRTEFSEQ	21C	21A	UCBBTA	224	
SRTEJBNR	15	200	UCBBTAM	21C	10
SRTEMNT	15	1	UCBBTB	225	
SRTEONLI	15	80	UCBCABYP	224	40
SRTEPRES	15	4	UCBCCLAW	224	80
SRTERESV	15	20	UCBCGMID	4	
SRTESTAB	230	222	UCBCGMNO	1	
SRTESTAT	15	203	UCBCHAN	4	
SRTESYSR	15	2	UCBCHAR1	8	
SRTEUNLD	15	10	UCBCHAR2	C	
SRTEUSER	226	226	UCBCHAR3	10	
SRTEVOLI	230	21C	UCBCHAR4	14	
UCB	-200		UCBCHGS	3	40
UCB	0		UCBCHPRM	C	
UCB	0		UCBCLEAR	6	2
UCB	0		UCBCLEXT	18	
UCB	0		UCBCLN	23E	
UCB	0		UCBCMEXT	0	
UCB	0		UCBCMSEG	0	200
UCBACTIV	3		UCBCOMPA	23E	4
UCBAF	1	40	UCBCSFLG	1E	
UCBAFP1	0	F	UCBCSL	22B	8
UCBALOC	3	8	UCBCSLAC	22B	4
UCBALTCU	1	2	UCBCTCAD	218	
UCBAMV	1	40	UCBCTCAL	218	
UCBAOF	218		UCBCTCF1	21C	
UCBAOF1	218		UCBCTCF2	224	
UCBAOF2	219		UCBCTCWA	220	
UCBAPUB	21C		UCBCTC80	21C	80
UCBASAFH	7	4	UCBCTD	230	
UCBASCI	230	4	UCBCTLNA	225	
UCBASID	E		UCBCTLNK	224	
UCBASUN	2	80	UCBCUIR	1	1
UCBATI	3		UCBCURPX	-4	8
UCBATNCT	21A		UCBDADI	3	1
UCBATRCD	21B	1	UCBDATP	223	224
UCBATTP	14	80	UCBDBUF	2	20
UCBAUTOS	7	20	UCBDCC	1	80

Name	Hex Offset	Hex Value
UCBDCONS	0	2
UCBDCTOF	1C	
UCBDDRSW	14	1
UCBDDT	14	
UCBDDTI	14	
UCBDEFER	6	80
UCBDEV	15	218
UCBDI	224	
UCBDKAMX	6	80
UCBDKBYT	6	
UCBDMC	223	7F
UCBDMCT	223	
UCBDPAVA	225	10
UCBDPAVB	225	20
UCBDQDSP	22B	20
UCBDRNO	21C	20
UCBDRO	21C	40
UCBDSM	0	42
UCBDUC	0	20
UCBDUDN1	23E	20
UCBDUDN2	23E	10
UCBDVCLS	12	
UCBDVPWR	11	1
UCBDVSHR	222	80
UCBDWNR	21C	2
UCBDYNPH	5	2
UCBD1600	23E	4
UCBD6250	23E	2
UCBEIDAW	7	8
UCBENVRD	1	8
UCBERADR	C	
UCBERCNT	7	
UCBERG	23C	
UCBERLOG	5	4
UCBERPC	22C	10
UCBESV	22C	80
UCBESVC	22C	20
UCBESVE	22C	8
UCBETI	0	
UCBEVA	22C	40
UCBEXTP	15	
UCBEXTPT	14	
UCBFCBID	8	
UCBFCBNM	18	
UCBFCBOP	5	
UCBFCBO1	5	80
UCBFCBPE	5	1
UCBFCBPS	5	C
UCBFCTC	224	20
UCBFLA	6	
UCBFLB	7	
UCBFLC	14	
UCBFLP1	5	
UCBFL1	6	206
UCBFL2	15	206
UCBFL4	225	
UCBFL5	1	
UCBFL6	2	
UCBFL7	7	
UCBFRID	0	
UCBFSCT	218	
UCBFSEQ	21A	
UCBFSER	224	
UCBGCB	21B	
UCBGRAF	21C	

Name	Hex Offset	Hex Value
UCBGRAFS	2	
UCBGRAF0	2	8
UCBGRAF1	2	4
UCBGRAF2	2	2
UCBGRAF3	2	1
UCBGUCB	2	11
UCBHALI	3	2
UCBHALT	6	4
UCBHDET	7	8
UCBHILVL	7	10
UCBHPDV	3	1
UCBICNCB	21C	
UCBID	2	
UCBIDCPY	2	CC
UCBIDS	2	10
UCBIEXT	8	
UCBIMAGE	1C	
UCBIN	C	80
UCBINCPT	7	80
UCBINHIO	5	10
UCBINRLN	220	
UCBIOQ	-4	
UCBIOSBA	218	
UCBIOSN	7	4
UCBIOT	2	1
UCBIPGID	10	
UCBIQD	224	7
UCBIRB	21C	
UCBIRBA	21D	
UCBIRLN	220	
UCBITFP	14	40
UCBIVRR	14	4
UCBIVRS	14	8
UCBJBNR	0	
UCBJES3	0	40
UCBJ3DV	0	10
UCBLDATA	20	
UCBLDNCA	220	
UCBLDNCB	221	
UCBLERP	2	2
UCBLKAHP	22B	2
UCBLOCK	-8	
UCBMASGN	7	80
UCBMDISP	2	40
UCBMDLBT	0	F0
UCBMDRBA	25	
UCBMDRBF	24	
UCBMDRID	233	
UCBMDSE1	225	80
UCBMMSGP	0	4
UCBMONT	0	1
UCBMOUNT	223	80
UCBMS	23B	
UCBMT	230	
UCBMTDSM	234	80
UCBMTFL1	234	
UCBMTKEP	234	40
UCBMTPXP	C	8
UCBMTRET	234	20
UCBNALOC	1	4
UCBNAME	D	
UCBNB	23A	
UCBNCC3	1E	80
UCBNEXP	22C	
UCBNLTP	22B	80

Name	Hex Offset	Hex Value
UCBNOCON	7	20
UCBNOPTH	7	40
UCBNORMF	224	80
UCBNOSEL	7	10
UCBNOTRD	6	40
UCBNRY	6	40
UCBNSLTP	22B	40
UCBNSRCH	5	80
UCBNXUCB	8	
UCBOB	0	
UCBOBRID	232	
UCBOBS1X	228	
UCBOCR	0	
UCBOFMCR	218	80
UCBOFNL	218	20
UCBOFPTR	218	10
UCBOFSP	218	40
UCBOIP	21C	80
UCBOLDSM	0	8
UCBOLTEP	21B	80
UCBONLI	3	80
UCBOPEN	21A	
UCBOPTNS	0	
UCBOSA	224	5
UCBOSAD	224	6
UCBOSAF	224	F
UCBOUT	C	40
UCBPAVBI	230	
UCBPCTC	224	0
UCBPDCT	0	
UCBPDCTA	0	
UCBPDCTO	12	
UCBPERM	6	20
UCBPERR	22C	4
UCBPGFL	222	40
UCBPGID	22	
UCBPONLI	7	1
UCBPR	238	
UCBPRES	3	4
UCBPRFX	-4	200
UCBPRSRS	222	20
UCBPRUN	7	2
UCBPSNS	6	10
UCBPUB	C	20
UCBPW	239	
UCBPXST	-200	1F8
UCBRALOC	5	1
UCBRDATA	4	
UCBRDYQ	220	
UCBRDYQA	221	
UCBRERP	5	20
UCBRESV	3	20
UCBREW	C	10
UCBRIPND	21B	4
UCBRLN	224	
UCBRPND	21C	4
UCBRPS	230	10
UCBRR	230	20
UCBRSV04	3	80
UCBRSV05	3	40
UCBRSV06	3	20
UCBRSV07	3	10
UCBRSV08	3	8
UCBRSV09	3	4
UCBRSV10	12	2
UCBRSV11	12	1
UCBRSV21	22C	2
UCBRSV22	22C	1
UCBRSV39	4	20
UCBRSV40	4	10
UCBRSV41	4	8
UCBRSV42	4	4
UCBRSV43	4	2
UCBRSV44	5	40
UCBRSV45	5	20
UCBRSV46	5	10
UCBRSV49	5	2
UCBRSV51	6	
UCBRSV65	218	8
UCBRSV66	218	4
UCBRSV67	218	2
UCBRSV68	218	1
UCBRSV69	219	80
UCBRSV70	219	40
UCBRSV71	219	20
UCBRSV72	219	10
UCBRSV73	219	8
UCBRSV74	219	4
UCBRSV75	219	2
UCBRSV76	219	1
UCBRSV77	21B	40
UCBRSV78	21B	20
UCBRSV79	21B	10
UCBRS6K	224	3
UCBRTIAC	21B	8
UCBRVDEV	230	8
UCBRV005	22B	10
UCBRV039	21C	1
UCBRV040	218	
UCBRV042	21D	
UCBRV046	2	80
UCBRV047	2	40
UCBRV048	2	20
UCBRV049	2	10
UCBRV055	0	8
UCBRV056	0	4
UCBRV057	3	80
UCBRV058	3	40
UCBRV059	3	20
UCBRV060	3	10
UCBRV061	3	8
UCBRV062	3	4
UCBRV063	3	2
UCBRV066	21C	
UCBRV067	6	20
UCBRV068	6	10
UCBRV069	6	8
UCBRV070	6	4
UCBRV071	6	2
UCBRV072	6	1
UCBRV073	7	
UCBRV075	24	
UCBRV076	21C	40
UCBRV077	21C	20
UCBRV078	21C	10
UCBRV079	21C	8
UCBRV080	21C	4
UCBRV081	21C	2
UCBRV082	21C	1
UCBRV083	0	1

Name	Hex Offset	Hex Value
UCBRWTAU	23E	8
UCBSATI	D	
UCBSCTC	224	1
UCBSDSE1	225	8
UCBSELFD	2	8
UCBSER	23A	
UCBSFLS	6	
UCBSHAR	222	2
UCBSHRUP	5	40
UCBSIO	236	
UCBSKPFG	21B	2
UCBSMS	1	20
UCBSMSMM	2	4
UCBSNS	220	
UCBSNSCT	4	
UCBSQC	224	
UCBSSPND	7	40
UCBSTAB	222	
UCBSTART	218	
UCBSTAT	3	
UCBSTI	1	
UCBSTLI	6	
UCBSTND	2	FF
UCBSTRT	6	8
UCBST1	2	12
UCBST3	2	FD
UCBSWAPF	5	8
UCBSYSR	3	2
UCBTBYT1	10	
UCBTBYT2	11	
UCBTBYT3	12	
UCBTBYT4	13	
UCBTEB	21C	
UCBTFL1	22B	
UCBTFL1S	22B	18
UCBTFL2	22A	
UCBTLPOS	22A	10
UCBTPSF	22A	40
UCBTR	234	
UCBTVCMP	22A	20
UCBTW	235	
UCBTXMS	22A	80
UCBTYP	10	
UCBUCS	0	
UCBUCSID	0	
UCBUCSOP	4	
UCBUCSO1	4	80
UCBUCSO2	4	40
UCBUCSPE	4	1
UCBUDE	14	20
UCBUNLD	3	10
UCBUNTYP	13	
UCBUPM	21C	8
UCBUSER	226	
UCBVHRSN	C	2
UCBVLPWR	11	2
UCBVLRSN	C	1
UCBVLSER	0	
UCBVLVER	6	40
UCBVOLI	21C	
UCBVOPT	22C	
UCBVORSN	C	4
UCBVRDEV	0	80
UCBVSDR	1	10
UCBVTOC	218	

Name	Hex Offset	Hex Value
UCBWDAV	225	40
UCBWGT	C	
UCBWTOID	11	
UCBWTOWD	10	
UCBXTADR	218	
UCBXTN	22C	
UCBXTNB	22D	
UCB1FEA0	10	80
UCB1FEA1	10	40
UCB1FEA2	10	20
UCB1FEA3	10	10
UCB1FEA4	10	8
UCB1FEA5	10	4
UCB1FEA6	10	2
UCB1FEA7	10	1
UCB2OPT0	11	80
UCB2OPT1	11	40
UCB2OPT2	11	20
UCB2OPT3	11	10
UCB2OPT4	11	8
UCB2OPT5	11	4
UCB2OPT6	11	2
UCB2OPT7	11	1
UCB3CHAR	12	4
UCB3COMM	12	40
UCB3CTC	12	41
UCB3DACC	12	20
UCB3DISP	12	10
UCB3TAPE	12	80
UCB3UREC	12	8
UCB3172	224	4
UCB3211	0	9
UCB3263	0	11
UCB3400	23E	3
UCB3423	23E	82
UCB3480	23E	80
UCB3490	23E	81
UCB3540X	0	
UCB3591	23E	83
UCB3791L	21C	F1
UCB3800	0	E
UCB3800X	0	
UCB3838	0	4C
UCB3895	0	19
UCB42AD1	21C	11
UCB4245	0	11
UCB4248	0	13

UCM Heading Information

Common Name: UNIT CONTROL MODULE (UCM) DEFINITION
Macro ID: IEECUCM
DSECT Name: UCMPRFX (DSECT for MCS prefix), UCM (DSECT for UCM base), UCMEIL (DSECT for UCM event indication list), UCMLIST (DSECT for individual device entry UCME map), UCMFEXTA (DSECT for UCM fixed exenstion base), UCMFSAVE (DSECT for UCM fixed extension save area), UCMPEXTA (DSECT for UCM pageable extension base), UCMEFEXT (DSECT for UCM fixed extension), UCMEPEXT (DSECT for UCME pageable extension)
Owning Component: Communications Task (SC1CK)
Eye-Catcher ID: None
Storage Attributes: Subpool: Nucleus resident and key 0 for areas created by System Generation.
Subpool 245 and key 0 for UCM fixed extension base and UCME fixed extensions.
Subpool 241 and key 0 for UCM pageable extension base and UCME pageable extensions.
Data Space: No
Residency: All postions except the UCME Pageable extension reside below 16M.
Size: NUCLEUS- 660 bytes and 80 byte/console(99 entries)
Subpool 245 - 436 bytes and 108 bytes/console
Subpool 241 - 628 bytes and 280 bytes/console
Created by: (LISTED BY DSECT)
IEECVUCM - UCM2EXT, UCMPREFX, UCM, UCMEIL, UCMLIST
IEAVN703 - UCMFEXTA, UCMFSAVE, UCMPEXTA, UCMEFEXT, UCMEPEXT
Pointed to by: (DSECT - POINTER)
UCM - CVTCUCB
UCMLIST - UCMVEA
Serialization: LOCAL AND CMS LOCKS
Function: * DEFINE THE CHARACTERISTICS OF ALL CONSOLES

* CONTAIN CONTROL INFORMATION FOR COMM TASK.

UCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCM2EXT	, - START OF UCM EXTENSION
0	(0)	SIGNED	2	UCM2DRCS	- IEAVSTAA SDUMP RETURN, REASON CODES
2	(2)	SIGNED	2	UCMRSV85	- RESERVED
4	(4)	ADDRESS	4	UCM2PST	"V(IEA0PT02)" - BRANCH ENTRY POINT INTO 'POST' ROUTINE
8	(8)	ADDRESS	4	UCM2STA (0)	- POINTER TO IEAVSTAA WORK AREA (SDWA)
8	(8)	BITSTRING	1	UCM2SFLG	- IEAVSTAA CONTROL FLAGS
		1...		UCM2SDWA	"BIT0" - SDWA OBTAINED
		.1..		UCM2SENT	"BIT1" - IEAVSTAA ENTERED
		..1.		UCM2DTAK	"BIT2" - DUMP TAKEN
		...1		UCM2DSTR	"BIT3" - DUMP STARTED
		.... 1...		UCM2WTOI	"BIT4" - IEAVSTAA ABEND MESSAGE ISSUED
		.... .1..		UCM2REC	"BIT5" - RECURSIVE ENTRY OCCURRED
		.... ..1.		UCM2FAIL	"BIT6" - COMM TASK HAS FAILED DURING THIS IPL
		1		UCMRV008	"BIT7,,C'X'" - RESERVED (MDC055) YM5195
9	(9)	ADDRESS	3	UCM2STAA	- ADDRESS OF SDWA OR ZERO
12	(C)	SIGNED	4	UCM2TOKN	- IEAVSTAA ESTAE TOKEN
16	(10)	ADDRESS	4	UCMRSV73	- RESERVED (MDC386)

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Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
20	(14)	ADDRESS	4	UCMRSV74	- RESERVED (MDC387)

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCMPRFX	, - START OF MCS PREFIX
0	(0)	X'0'	0	MCSUCM	"*" - ALIAS FOR START OF MCS PREFIX
0	(0)	ADDRESS	4	UCMMCENT	- ADDRESS OF MASTER CONSOLE UCM ENTRY
4	(4)	CHARACTER	72	UCMSAVE0 (0)	- RESIDENT REGISTER SAVE AREA FOR IEACVTSK
4	(4)	SIGNED	4	UCMSVA0	- WORD 1
8	(8)	SIGNED	4	UCMSVB0	- WORD 2
12	(C)	SIGNED	4	UCMSVC0	- WORD 3
16	(10)	SIGNED	4	UCMSVD0	- WORD 4
20	(14)	SIGNED	4	UCMSVE0	- WORD 5
24	(18)	SIGNED	4	UCMSVF0	- WORD 6
28	(1C)	SIGNED	4	UCMSVG0	- WORD 7
32	(20)	SIGNED	4	UCMSVH0	- WORD 8
36	(24)	SIGNED	4	UCMSVI0	- WORD 9
40	(28)	SIGNED	4	UCMSVJ0	- WORD 10
44	(2C)	SIGNED	4	UCMSVK0	- WORD 11
48	(30)	SIGNED	4	UCMSVL0	- WORD 12
52	(34)	SIGNED	4	UCMSVM0	- WORD 13
56	(38)	SIGNED	4	UCMSVN0	- WORD 14
60	(3C)	SIGNED	4	UCMSVO0	- WORD 15
64	(40)	SIGNED	4	UCMSVP0	- WORD 16
68	(44)	SIGNED	4	UCMSVQ0	- WORD 17
72	(48)	SIGNED	4	UCMSVR0	- WORD 18
76	(4C)	ADDRESS	4	UCMDOME	- ADDRESS OF FIRST DOM ELEMENT
80	(50)	ADDRESS	4	UCMWTOX	- ZERO (OS/VS2) (MDC383)
84	(54)	BITSTRING	2	UCMSFLGS (0)	- SYSTEM CONTROL FLAGS
84	(54)	ADDRESS	1	UCMSFLG1	- BYTE 1 OF SYSTEM CONTROL FLAGS
		1...		UCMSYSHC	"BIT0" - SYSLOG WAS HARDCOPY LOG, USED WHEN JES GOES DOWN THEN COMES BACK TO CHECK IF SYSLOG WAS ACTIVE
		.1..		UCMSYSB	"BIT1" - HARDCOPY SUPPORT REQUIRED
		..1.		UCMSYSC	"BIT2" - COMMANDS SPECIFIED FOR V SYSLOG,HARDCPY
		...1		UCMSYSD	"BIT3" - A bell on some console must be rung to indicate a no consoles condition
		.... 1...		UCMSYSE	"BIT4" - NO CONSOLES ACTIVE
		.... .1..		UCMSYSF	"BIT5" - DISPLAY CONSOLES EXIST
		.... ..1.		UCMSYSG	"BIT6" - HARDCOPY DEVICE IS SYSLOG
		1		UCMSYSH	"BIT7" - A NON-SYSLOG HARDCOPY DEVICE EXISTS
85	(55)	ADDRESS	1	UCMSFLG2	BYTE 2 OF SYSTEM CONTROL FLAGS
		1...		UCMSYSI	"BIT0" - WQE HOUSEKEEPING REQUIRED
		.1..		UCMSYSJ	"BIT1" - HARDCOPY TO BE WRITTEN
		..1.		UCMSYSK	"BIT2" - NEW CONSOLE IS COMPOSITE
		...1		UCMSYSL	"BIT3" - DEVICE BEING ACCESSED BY CONSOLE SWITCH TO SOUND CONSOLE ALARM (MDC384)
		.... 1...		UCMSYSM	"BIT4" - FAILING CONSOLE IS COMPOSITE
		.... .1..		UCMSYSN	"BIT5" - DISPLAY CONSOLES ACTIVE
		.... ..1.		UCMSYSO	"BIT6" - DUMMY ATTENTION BY WTL
		1		UCMSYSP	"BIT7" - DEVICE BEING ACCESSED BY CONSOLE SWITCH TO SOUND MAIN POWER ALARM (MDC329)
86	(56)	BITSTRING	2	UCMWTORT	- DEFAULT VALUES FOR OLD WTO/R MACROS
88	(58)	SIGNED	4	UCMCMID	- MSG IDENTIFICATION NUMBER
92	(5C)	ADDRESS	4	UCMHCUCM	- ADDRESS OF HARDCOPY UCM ENTRY (OR ZERO)
96	(60)	SIGNED	1	UCMXCT	- EXTERNAL REQUEST COUNT
97	(61)	ADDRESS	1	UCMMFLG3	- MISCELLANEOUS CONTROL FLAGS
		1...		UCMREFSH	"BIT0" - XMCS REFRESH DATA FROM OTHER SYSTEMS
		.1..		UCMLOGSW	"BIT1" - SYSLOG WAS SWITCHED
		..1.		UCMMRSV2	"BIT2" - RESERVED
		...1		UCMMRSV3	"BIT3" - RESERVED
		.... 1...		UCMMRSV4	"BIT4" - RESERVED

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... .1..		UCMMRSV5	"BIT5" - RESERVED
		.... ..1.		UCMMRSV6	"BIT6" - RESERVED
		1		UCMMRSV7	"BIT7" - RESERVED
98	(62)	ADDRESS	2	UCMNIPD	- NIP OR SYNCH I/O DELAY IN SECONDS SEE MEMBER CONDELAY IN SAMPLIB FOR INSTRUCTIONS ON USING THIS FIELD
100	(64)	ADDRESS	4	UCMDOMT	- ADDRESS OF FIRST DOM ELEMENT IN NEW DOM SCAN SUPPORT QUEUE
104	(68)	BITSTRING	24	UCMXSA (0)	- 6-WORD PARAMETER LIST FOR SVC 72
104	(68)	ADDRESS	4	UCM1WD	- PTR TO 3RD WORD OF SVC 72 PARM LIST
108	(6C)	ADDRESS	4	UCM2WD	- 2ND WORD OF SVC 72 PARM LIST
112	(70)	ADDRESS	4	UCM3WD	- 3RD WORD OF SVC 72 PARM LIST
116	(74)	ADDRESS	4	UCM4WD	- 4TH WORD OF SVC 72 PARM LIST
120	(78)	ADDRESS	4	UCM5WD	- 5TH WORD OF SVC 72 PARM LIST
124	(7C)	ADDRESS	4	UCM6WD	- 6TH WORD OF SVC 72 PARM LIST
128	(80)	ADDRESS	4	UCMDUCBA	ADDRESS OF DUMMY UCB
132	(84)	ADDRESS	4	UCMCUCME	- CURRENT UCME
136	(88)	SIGNED	4	UCMOPSEO	- OPERLOG task is to be activated
140	(8C)	ADDRESS	1	UCMMFLG4	- Miscellaneous flags
		1...		UCMOPSS	"BIT0" - OPERLOG specified in CONSOLxx or VARY OPERLOG,HARDCOPY issued
		.1..		UCMOPSA	"BIT1" - OPERLOG active
		..1.		UCMOPSV	"BIT2" - OPERLOG is being activated
		...1		UCMOPSD	"BIT3" - OPERLOG is to be detached
		.... 1...		UCMOPSEA	"BIT4" - OPERLOG is activated at least once
		.... .1..		UCMOPS5	"BIT5" - Reserved
		.... ..1.		UCMOPS6	"BIT6" - Reserved
		1		UCMOPS7	"BIT7" - Reserved
141	(8D)	ADDRESS	3	UCMRSV69	- RESERVED
144	(90)	SIGNED	4	UCMOPSET	- OPERLOG task ended ECB
148	(94)	SIGNED	4	UCMOPSES	- OPERLOG active ECB
152	(98)	SIGNED	4	UCMOPSEP	- OPERLOG to be stopped ECB
156	(9C)	ADDRESS	1	UCMSDS1	- SDS FLAGS
		1...		UCMSDS1A	"BIT0" - STCMDS SPECIFIED FOR V SYSLOG,HARDCPY
		.1..		UCMSDS1B	"BIT1" - INCMDS SPECIFIED FOR V SYSLOG,HARDCPY
		..1.		UCMSDS1C	"BIT2" - STCMDS SPECIFIED FOR V XXX,HARDCPY
		...1		UCMSDS1D	"BIT3" - INCMDS SPECIFIED FOR V XXX,HARDCPY
		.... 1...		UCMSDS1E	"BIT4" - CMDS SPECIFIED FOR V XXX,HARDCPY
		.... .1..		UCMPRTHC	"BIT5" - PRINTER CONSOLE WAS THE HARDCOPY LOG
		.... ..1.		UCMRSV08	"BIT6" - RESERVED
		1		UCMRSV09	"BIT7" - RESERVED
157	(9D)	ADDRESS	1	UCMMISCF	- MISCELLANEOUS BITS
		1...		UCMJ3CBS	"BIT0" - JES3 CONSOLE BUFFER SHORTAGE
		.1..		UCMJ3SAE	"BIT1" - JES3 WTO STAGING AREA EXCESS
		..1.		UCMWU100	"BIT2" - WQE UTILIZATION HAS REACHED 100%, BUT HAS NOT DROPPED TO 95%
		...1		UCMENFDM	"BIT3" - A DUMP HAS BEEN TAKEN BY THE COMM TASK ENF LISTEN EXIT RTN (IEAVG600)
		.... 1...		UCMWU400	"BIT4" - WQEs ABOVE EXHAUSTED
		.... .1..		UCMWDONE	"BIT5" - WQE shortage has been processed
		.... ..1.		UCMRSV0B	"BIT6" - RESERVED
		1		UCMRSV0C	"BIT7" - RESERVED
158	(9E)	SIGNED	2	UCMRSV65	- RESERVED (MDC375)

Comment

POINTERS TO UCM MCS PREFIX AND UCM EXTENSION
LOCATED IMMEDIATELY PRECEDING UCM BASE SECTION

End of Comment

160	(A0)	ADDRESS	4	UCM2PTR	- ADDRESS OF UCM EXTENSION (OS/VS2 ONLY)
164	(A4)	ADDRESS	4	UCMPRFXP	- ADDRESS OF UCM MCS PREFIX

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCM	, - START OF UCM BASE FIXED ECBS
0	(0)	SIGNED	4	UCMXECB	- EXTERNAL INTERRUPT ECB
4	(4)	SIGNED	4	UCMAECB	- ATTENTION INTERRUPT ECB
8	(8)	SIGNED	4	UCMOECB	- WTO/WTOR REQUEST ECB
12	(C)	SIGNED	4	UCMDECB (0)	- DOM REQUEST ECB
12	(C)	SIGNED	4	UCMLECB	- WTL REQUEST ECB
16	(10)	SIGNED	4	UCMUECB	- User state event ECB
20	(14)	ADDRESS	4	UCMLSTP	- ADDRESS OF EVENT INDICATION LIST (EIL) WTO/WTOR CONTROL FIELDS
24	(18)	ADDRESS	4	UCMWTOQ	- ADDRESS OF FIRST WQE (SYSOUT QUEUE)
28	(1C)	ADDRESS	4	UCMRPYQ	- ADDRESS OF FIRST ORE (REPLY-Q ELEMENT)
32	(20)	ADDRESS	4	UCMRPYIP	- Address of Reply ID Table, if in local mode Address of SARI if in sysplex mode, and UPMRPYLV = 1
36	(24)	SIGNED	4	UCMRMAX	- RMAX value - maximum reply id
40	(28)	BITSTRING	2	UCMRPYF (0)	- Reply Flags
40	(28)	BITSTRING	1	UCMRPYF1	- First byte of Reply Flags
		1...		UCMRPY0I	"BIT0" - ON = Reply ID 0 is in use OFF = Reply ID 0 is available
		.1..		UCMENHR	"BIT1" - Enhanced short-form REPLY supported
41	(29)	BITSTRING	1	UCMRPYF2	- Second byte of Reply Flags
42	(2A)	BITSTRING	2	UCMRPYIL	- Length of Reply ID table pointed to by UCMRPYIP
44	(2C)	SIGNED	2	UCMRQLM	Reply id assignment limit
46	(2E)	SIGNED	2	UCMWQLM	- WQE BUFFER LIMIT
48	(30)	DBL WORD	8	UCMWQCNT (0)	- WQE COUNT FIELDS
48	(30)	SIGNED	4	UCMWQRSV	- RESERVED WQE COUNT
52	(34)	SIGNED	4	UCMWQNR	- CURRENT WQE COUNT
56	(38)	SIGNED	2	UCMRQNR	- CURRENT ORE COUNT

Comment

THE FOLLOWING FIELD IS USED TO CALCULATE THE LENGTH OF A UTOKEN. IF THE SIZE OF A UTOKEN EVER CHANGES, CHANGE THIS FIELD ONLY.

End of Comment

56	(38)	X'50'	0	UCMUSIZE	"80" UTOKEN DEFAULT SIZE
56	(38)	X'5E'	0	UCMUCASZ	"94" UTOKEN SIZE + COMPRESSED ACEE STRUCTURE SIZE
58	(3A)	SIGNED	2	UCMULGTH	UTOKEN LENGTH
60	(3C)	SIGNED	4	UCMWQEND	- ADDRESS OF LAST WQE - OR ZERO
64	(40)	ADDRESS	4	UCMPXA	- ADDR OF COMMUNICATIONS TASK TCB (OS/VS2)
68	(44)	BITSTRING	1	UCMPXB (0)	-
68	(44)	ADDRESS	1	UCMMODE	- MODE FLAGS
		1...		UCMCTIC	"BIT0" - COMMTASK INITIALIZATION COMPLETE
		.1..		UCMSPLXQ	"BIT1" - ON= SYSTEM CAPABLE OF SYSPLEX FUNCTIONS, AND RMAX CAN BE > 99
		..1.		UCMTPUTA	"BIT2" - TPUTTER IS ACTIVE (OS/VS2) MDC017
		...1		UCMSYPLX	"BIT3" - ON= SYSTEM IS A MEMBER OF A SYSPLEX
		.... 1...		UCMAMFA	"BIT4" - ACCEPT 'VARY' CMD W/MSTCONS OPND FROM ANY MCS SECONDARY CONSOLE
		.... .1..		UCMOGCE	"BIT5" - ONLY DISPLAY CONSOLES ACTIVE
		.... ..1.		UCMFSTAT	"BIT6" - RACF OPERCMDS CLASS IS ACTIVE
		1		UCM1SYS	"BIT7" - ON= CURRENTLY THERE EXISTS ONE AND ONLY ONE SYSTEM IN SYSPLEX
69	(45)	BITSTRING	1	UCMAMRF	- ACTION MESSAGE RETENTION FACILITY FLAGS (MDC445)
		1...		UCMAMRFA	"BIT0" - IF ON, THE ACTION MESSAGE RETENTION FACILITY IS ACTIVE (MDC446)
		.1..		UCMAMRFF	"BIT1" - IF ON, THE ACTION MESSAGE RETENTION FACILITY FAILED (MDC447)
		..1.		UCMRSV78	"BIT2" - RESERVED
		...1		UCMABUFF	"BIT3" - IF ON, THE ACTION MESSAGE RETENTION FACILITY BUFFER IS FULL

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... 1...		UCMAMRFC	"BIT4" - IF ON, ACTIVATE THE ACTION MESSAGE RETENTION FACILITY
		.... .1..		UCMEXSSI	"BIT5" - IF ON, AN EXIT OR SSI IS ACTIVE UNDER THE COMM TASK
		.... ..1.		UCMAMRFR	"BIT6" - Perform AMRF Refresh
		1		UCMRSV81	"BIT7" - RESERVED
70	(46)	ADDRESS	1	UCMVRSN	VERSION LEVEL
70	(46)	X'1'	0	UCMSP13	"1" - VERSION LEVEL FOR OS/VS2 JBB1326
70	(46)	X'2'	0	UCMSP211	"2" - VERSION LEVEL FOR OS/VS2 JBB2110
70	(46)	X'3'	0	UCMSP220	"3" - VERSION LEVEL FOR OS/VS2 JBB2220
70	(46)	X'4'	0	UCMSP410	"4" - VERSION LEVEL FOR OS/VS2 HBB4410
70	(46)	X'5'	0	UCMSP420	"5" - VERSION LEVEL FOR MVS/ESA HBB4420
70	(46)	X'6'	0	UCMSP422	"6" - VERSION LEVEL FOR MVS/ESA JBB4422
70	(46)	X'7'	0	UCMSP440	"7" - VERSION LEVEL FOR MVS/ESA HBB5510
70	(46)	X'8'	0	UCMSP51X	"8" - VERSION LEVEL FOR WTO FLOOD APARS
70	(46)	X'8'	0	UCMVRID	"UCMSP51X" - VERSION LEVEL VALUE
71	(47)	BITSTRING	1	UCMMODE2	- MODE FLAGS #2
		1...		UCMOVRDE	"BIT0" - ON -> NOJES3 SPECIFIED ON THE CON= STATEMENT.
		.1..		UCMLOGS	"BIT1" - OK for IEAVM601 to send to syslog
		..1.		UCMMD202	"BIT2" - RESERVED
		...1		UCMHCENT	"BIT3" - ON-> HCFORMAT=CENTURY specified in CONSOLxx, 4-digit years in SYSLOG
		.... 1...		UCMMD204	"BIT4" - RESERVED
		.... .1..		UCMMD205	"BIT5" - RESERVED
		.... ..1.		UCMMD206	"BIT6" - RESERVED
		1		UCMMD207	"BIT7" - RESERVED

Comment

THE FOLLOWING FIELDS ARE USED FOR ACCESSING UCM INDIVIDUAL DEVICE ENTRIES. THEY MUST BE DEFINED IN THE ORDER SHOWN.

End of Comment

72	(48)	CHARACTER	12	UCMVDATA (0)	- UCM ENTRY ACCESSING DATA
72	(48)	ADDRESS	4	UCMVEA	- ADDRESS OF FIRST UCM ENTRY
76	(4C)	ADDRESS	4	UCMVEZ	- LENGTH OF A UCM ENTRY
80	(50)	ADDRESS	4	UCMVEL	- ADDRESS OF LAST UCM ENTRY

Comment

SAVE AREA FOR REFRESHABILITY ROUTINES

End of Comment

84	(54)	ADDRESS	4	UCMDOMLE	- ADDRESS OF LAST DOM ELEMENT
88	(58)	ADDRESS	4	UCMDIDL	- Address of deferred reply id table To preserve serialization, this table may only be accessed by IEAVMDOM
92	(5C)	BITSTRING	1	UCMRPYLV	- Reply id get/free method in use: X'00' - local or pre-SP5.1.0 X'01' - sysplex, and >= SP5.1.0

Comment

The following SMCS Failure Status bits should be manipulated via Compare & Swap

End of Comment

93	(5D)	BITSTRING	1	UCMS_FAILURE_STATUS	SMCS failure status
		1...		UCMS_SMCS_ACTIVE	"BIT0" - SMCS is active (ACB has been opened)
		.1..		UCMS_SMCS_CLOSING_NORMAL	"BIT1" - SMCS is shutting down normally (HALT NET command)
		..1.		UCMS_SMCS_CLOSING_QUICK	

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					"BIT2" - SMCS is shutting down quickly (HALT NET,QUICK command)
		...1		UCMS_SMCS_CLOSING_ABNORMAL	
					"BIT3" - SMCS is shutting down abnormally (HALT NET,CANCEL command). No VTAM functions should be issued except closing the ACB
		.... 1...		UCMS_SMCS_CLOSING_FAILURE	
					"BIT4" - SMCS is shutting down due to a failure in the SMCS code
		.... .1..		UCMS_SMCS_FAILED	
					"BIT5" - SMCS has failed during this IPL
		.... ..1.		UCMS_SMCS_FAILED_NO_RETRY	
					"BIT6" - SMCS has failed and will not be restarted. An IPL is needed to restart SMCS
94	(5E)	CHARACTER	2	UCMS_VTAM_ACCESS_WAITTIME	
					Number of seconds SMCS should wait between attempts to contact VTAM
96	(60)	SIGNED	4	UCMOPSEC	- ECB used to post the Oparations Log task when ENF signal 48 is received
100	(64)	CHARACTER	8	UCMVSTKN	- STOKEN of the ASCB that is activating the Operations Log
108	(6C)	CHARACTER	16	UCMSTRNM	- Oparations Log structure name
124	(7C)	BITSTRING	1	UCMRSV77 (16)	- RESERVED (MDC382)
140	(8C)	SIGNED	4	UCMSAVE4 (16)	- SAVE AREA FOR IEAVCTSK MDC034
204	(CC)	SIGNED	4	UCMR9SV	- SAVE AREA FOR IEAVMWSV (MDC385)

Comment

THE FIELDS DEFINED FOLLOWING THIS STATEMENT ARE PRESENT
ONLY IN VARIABLE MODE SYSTEMS (OS/VS2)

End of Comment

208	(D0)	DBL WORD	8	(0)	- DOUBLEWORD BOUNDARY ALIGNMENT
208	(D0)	ADDRESS	4	UCMMNTR	- ADDRESS OF MONITOR ROUTINE MDC003
212	(D4)	SIGNED	4	UCMMNECB	- ECB INDICATING MONITOR TPUTS TO DO MDC004
216	(D8)	SIGNED	4	UCMTRECB	- ECB INDICATING TPUTTER SHOULD TERMINATE MDC005
220	(DC)	ADDRESS	4	UCMMQPTR	- POINTER TO FIRST ELEMENT ON MONITOR QUEUE MDC006
224	(E0)	ADDRESS	4	UCMMQEND	- POINTER TO LAST ELEMENT ON MONITOR QUEUE MDC007
228	(E4)	ADDRESS	4	UCMMQNXT	- POINTER TO NEXT ELEMENT ON MONITOR QUEUE TO BE PROCESSED MDC008
232	(E8)	ADDRESS	4	UCMMBPTR	- POINTER TO FIRST ELEMENT ON MONITOR MESSAGE BLOCK QUEUE MDC025
236	(EC)	SIGNED	1	UCMRSV90	- Reserved
237	(ED)	CHARACTER	1	UCMBMPFS	- HARDCOPY MESSAGE SUPPRESSION INDICATOR (MDC475)
238	(EE)	SIGNED	2	UCMWQLM1	- IPL-SPECIFIED WQE BUFFER LIMIT MDC011
240	(F0)	ADDRESS	4	UCMBFEXT	- ADDRESS OF UCM FIXED EXTENSION BASE (MDC379)
244	(F4)	ADDRESS	4	UCMRP2AD	- POINTER TO REPLY PROCESSOR, STAGE 2 MDC013
248	(F8)	SIGNED	2	UCMCHKHG	- Number of elapsed seconds that triggers the ending of unended hung MLWTOs
250	(FA)	SIGNED	2	UCMCTID	- ASID OF COMMUNICATIONS TASK MDC015
252	(FC)	ADDRESS	4	UCMMBEND	- POINTER TO LAST ELEMENT ON MONITOR MESSAGE BLOCK QUEUE MDC026
256	(100)	ADDRESS	4	UCMWECBH	- POINTER TO START OF WQE ECB CHAIN MDC027
260	(104)	ADDRESS	4	UCMWECBT	- POINTER TO END OF WQE ECB CHAIN MDC028
264	(108)	ADDRESS	4	UCMOECBH	- POINTER TO START OF ORE ECB CHAIN MDC029
268	(10C)	ADDRESS	4	UCMOECBT	- POINTER TO END OF ORE ECB CHAIN MDC030
272	(110)	SIGNED	4	UCMORECP	- ORE CELLPOOL ID MDC031
276	(114)	SIGNED	4	UCMWQECP	- WQE CELLPOOL ID MDC032
280	(118)	ADDRESS	4	UCMASCB	- ASCB ADDRESS OF COMMUNICATIONS TASK MDC036
284	(11C)	ADDRESS	4	UCMSWCH	- ADDRESS OF CONSOLE SWITCH ROUTINE MDC040
288	(120)	ADDRESS	4	UCMFRRAD	- ADDRESS OF COMMUNICATIONS TASK'S RECOVERY ROUTINE (IEAVMFRR) MDC047

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
292	(124)	ADDRESS	4	UCMWAKUP	- ADDRESS OF COMMUNICATIONS TASK'S POST ERROR RECOVERY ROUTINE (IEAVMEST, ALIAS FOR IEAVMFRR) MDC048
296	(128)	ADDRESS	4	UCMJES3T	- ADDRESS OF SUBSYSTEM ASCB (MDC300)
300	(12C)	BITSTRING	1	UCMRSV42	- RESERVED (MDC033)
		1...		UCMRSV43	"BIT0,,C'X'" - RESERVED MDC033
		.1..		UCMRSV44	"BIT1,,C'X'" - RESERVED MDC033
		..1.		UCMRSV45	"BIT2,,C'X'" - RESERVED MDC033
		...1		UCMRSV46	"BIT3,,C'X'" - RESERVED MDC033
		.... 1...		UCMRSV47	"BIT4,,C'X'" - RESERVED MDC033
		.... .1..		UCMRSV48	"BIT5,,C'X'" - RESERVED MDC033
		.... ..1.		UCMRSV49	"BIT6,,C'X'" - RESERVED MDC033
		1		UCMRSV50	"BIT7,,C'X'" - RESERVED MDC033
301	(12D)	BITSTRING	1	UCMRSV51	- RESERVED (MDC033)
		1...		UCMRSV52	"BIT0,,C'X'" - RESERVED MDC033
		.1..		UCMRSV53	"BIT1,,C'X'" - RESERVED MDC033
		..1.		UCMRSV54	"BIT2,,C'X'" - RESERVED MDC033
		...1		UCMRSV55	"BIT3,,C'X'" - RESERVED MDC033
		.... 1...		UCMRSV56	"BIT4,,C'X'" - RESERVED MDC033
		.... .1..		UCMRSV57	"BIT5,,C'X'" - RESERVED MDC033
		.... ..1.		UCMRSV58	"BIT6,,C'X'" - RESERVED MDC033
		1		UCMRSV59	"BIT7,,C'X'" - RESERVED MDC033
302	(12E)	SIGNED	2	UCMAMRMX	- MAXIMUM NUMBER OF AMRQ ENTRIES
304	(130)	ADDRESS	4	UCMCONVP	- ADDRESS OF CONVCON PROCESSOR IEAVG200
308	(134)	ADDRESS	4	UCMCMDQR	- ADDRESS OF COMMAND QUEUER IEAVC700 (MDC399)
312	(138)	ADDRESS	4	UCMQSCAN	- ADDRESS OF QUEUE SCANNER IEAVQ700 (MDC400)
316	(13C)	ADDRESS	4	UCMCMDPT	- POINTER TO COMMANDS TO BE ISSUED BY COMMUNICATIONS TASK (MDC401)
320	(140)	CHARACTER	4	UCMCBID	- CONTROL BLOCK ID OF 'UCM' (MDC470)
324	(144)	ADDRESS	4	UCMMPFSN	- ADDRESS OF THE MPF SCAN ROUTINE (IEAVM700) (MDC475)
328	(148)	ADDRESS	4	UCMINTCB	- IEAVN701 TCB ADDRESS
332	(14C)	ADDRESS	4	UCMVWTCB	- IEEVWAIT TCB ADDRESS
336	(150)	ADDRESS	4	UCMWQADA	- IEAVH600 AUTO DATA AREA POINTER
340	(154)	SIGNED	4	UCMCQECP	- CQE CELLPOOL ID
344	(158)	SIGNED	4	UCMSSIBP	POINTER TO THE LIFE OF JOB SSIB FOR COMMUNICATION TASK
348	(15C)	SIGNED	2	UCMBRDST	- COUNT OF REQUESTS TO HAVE WTOS BROADCAST TO ALL SUBSYSTEMS
350	(15E)	SIGNED	2	UCMRSV67	- RESERVED
352	(160)	SIGNED	4	UCMR0MSG	- DOM ID of reply id 0 message IEA557A
356	(164)	ADDRESS	4	UCMMTSRP	- ADDRESS OF TEXT SERVICE ROUTINE (IEAVG714)
360	(168)	ADDRESS	4	UCMNWTOP	- POINTER TO IHANWTO (NIP WTO BUFFER)
364	(16C)	ADDRESS	4	UCMSBPTR	- POINTER TO SBC

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCMEIL	, - START OF EIL
0	(0)	ADDRESS	1		LENGTH OF EIL (IN WORDS)
1	(1)	BITSTRING	1	UCMRSV62	- RESERVED
2	(2)	SIGNED	1	UCMRTCT	- ROUTE COUNT
3	(3)	BITSTRING	1	UCMRSV15	- RESERVED
4	(4)	SIGNED	4	UCMRPYL	LAST ASSIGNED REPLY ID (Local mode only)
8	(8)	ADDRESS	4	UCMXECBA	- ADDRESS OF EXTERNAL INTRPT ECB
12	(C)	ADDRESS	4	UCMAECBA	- ADDRESS OF ATTENTION INTRPT ECB
16	(10)	ADDRESS	4	UCMOECBA	- ADDRESS OF WTO/R REQUEST ECB
20	(14)	ADDRESS	4	UCMDECBA	- ADDRESS OF DOM REQUEST ECB
24	(18)	ADDRESS	4	UCMUECBA	- Address of User State Event ECB

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
		THE FOLLOWING PART OF THE EIL IS A LIST OF POINTERS TO I/O ECBS FOR EACH CONSOLE DEVICE DEFINED IN THE SYS1.PARMLIB, CONSOLXX. FOR OS/VS2, THE LIST CONTAINS A MINIMUM OF 2 ENTRIES. THE LIST IS VARIABLE ONLY IN IEECVUCM. THE LAST ENTRY HAS A HIGH-ORDER BYTE OF X'80'			
					End of Comment
28	(1C)	SIGNED	4	UCMIECBA (0)	- I/O ECB PTR LIST ENTRY MAPPING
28	(1C)	CHARACTER	1	UCMIECBF	- I/O ECB PTR LIST LAST ENTRY FLAG
		1...		UCMIECBE	"BIT0" ECB END OF LIST INDICATOR
29	(1D)	ADDRESS	3	UCMIECBP	- ADDR OF I/O REQUEST ECB

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCMLIST	, - START OF DEVICE ENTRY
0	(0)	ADDRESS	4	UCMECB	- I/O COMPLETION ECB OR, FOR 2740, ADDRESS OF I/O COMPLETION ECB
		1111 1..1		UCMECBF9	"X'F9'" - UCMECB POST CODE - RECEIVE MUST BE ISSUED AGAIN
		1111 1.1.		UCMECBFA	"X'FA'" - UCMECB POST CODE - I/O IS TO BE RE-ISSUED AGAIN
		1111 1.11		UCMECBFB	"X'FB'" - UCMECB POST CODE - PROCESS LOGON
		1111 11..		UCMECBFC	"X'FC'" - UCMECB POST CODE - CLEAR CONSOLE
		1111 11.1		UCMECBFD	"X'FD'" - UCMECB POST CODE - K V COMMAND WAS ISSUED (MDC450)
		1111 111.		UCMECBFE	"X'FE'" - UCMECB POST CODE - ROUTED COMMAND (MDC451)
		1111 1111		UCMECBFF	"X'FF'" - UCMECB POST CODE - READY TO ROLL (MDC452)
4	(4)	ADDRESS	4	UCMSBR	- ADDRESS OF RESIDENT PROCESSOR MODULE MDC020
8	(8)	ADDRESS	4	UCMDCB	- ADDRESS OF DCB
12	(C)	ADDRESS	4	UCMUCB	- UCB NAME (DEV ADDR) OR PTR TO UCB
16	(10)	CHARACTER	8	UCMNAME	- PROCESSING MODULE NAME
24	(18)	BITSTRING	1	UCMSTS	- STATUS FLAGS
		1...		UCMAF	"BIT0" - ATTENTION PENDING
		.1..		UCMPF	"BIT1" - OUTPUT PENDING
		..1.		UCMBF	"BIT2" - DEVICE BUSY
		...1		UCMCF	"BIT3" - CLOSE PENDING
		.... 1...		UCMTA	"BIT4" - OPEN PENDING
		.... .1..		UCMTB	"BIT5" - DEQ APPROPRIATE OUTPUT QUEUE ENTRIES
		.... ..1.		UCMEMCLS	"BIT6" - EMERGENCY CLOSE PENDING (MDC471)
		1		UCMTC	"BIT7" - CONSOLE HAS INLINE WTO
25	(19)	BITSTRING	1	UCMATR	- ATTRIBUTE FLAGS
		1...		UCMOF	"BIT0" - WTO SUPPORT
		.1..		UCMIF	"BIT1" - ATTENTION SUPPORT
		..1.		UCMXF	"BIT2" - EXTERNAL INTERRUPT SUPPORT
		...1		UCMUF	"BIT3" - DEVICE ACTIVE
		.... 1...		UCMLF	"BIT4" - LOAD FLAG
		.... .1..		UCMAT04	"BIT5" - DEVICE STATUS TO CHANGE
		.... ..1.		UCMINCLR	"BIT6" - INTERNAL CLEAR REQUEST
		1		UCMGLBCH	"BIT7" - INDICATOR TO RECOVERY THAT SYSPLEX GLOBAL DATA HAS BEEN CHANGED
26	(1A)	SIGNED	2	UCMXA (0)	
26	(1A)	CHARACTER	1	UCMID	- UNIQUE ENTRY I.D.
27	(1B)	BITSTRING	1	UCMEDEVX	- DEVICE TYPE INDEX (MDC472)
		11		UCM2540	"X'03'" - 2540/2501/3505/3525 DEVICE
		.... .1..		UCM2740	"X'04'" - 2740 DEVICE (MDC472)

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		Comment			
		X'05' - RESERVED (MDC472)			
		End of Comment			
		.... .11.		UCM3211	"X'06'" - 3211/1403 DEVICE
		.... .111		UCM3215	"X'07'" - SUBSYSTEM ALLOCATABLE CONSOLE
		.... 1..1		UCM32772	"X'09'" - 3277-2 DEVICE (MDC472)
		.... 1.11		UCM32782	"X'0B'" - 3278-2 DEVICE (MDC472)
		.... 11..		UCM3782A	"X'0C'" - 3278-2A DEVICE (MDC472)
		.... 11.1		UCM32783	"X'0D'" - 3278-3 DEVICE (MDC476)
		.... 111.		UCM32784	"X'0E'" - 3278-4 DEVICE (MDC476)
		 1111		UCM3792A	"X'0F'" - 3279-2A DEVICE (MDC476)
		...1		UCM3792B	"X'10'" - 3279-2B DEVICE OR 24 X 80 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 ...1		UCM3793A	"X'11'" - 3279-3A DEVICE (MDC476)
		...1 ..1.		UCM3793B	"X'12'" - 3279-3B DEVICE OR 32 X 80 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 ..11		UCM3284	"X'13'" - 3284/3286 DEVICE (MDC476)
		...1 .1..		UCM3792C	"X'14'" - 3279-2C DEVICE
		...1 .1.1		UCM3270X	"X'15'" - 3270-X DEVICE
		...1 .11.		UCM2732E	"X'16'" - 27 X 132 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 .111		UCM3180E	"X'17'" - 31 X 80 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 1...		UCM3160E	"X'18'" - 31 X 160 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 1..1		UCM4380E	"X'19'" - 43 X 80 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 1.1.		UCM6280E	"X'1A'" - 62 X 80 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 1.11		UCM6260E	"X'1B'" - 62 X 160 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 11..		UCM5006E	"X'1C'" - 50 X 106 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 11.1		UCMRWCLE	"X'1D'" - SCREEN SIZE INDICATED BY UCMEPROW AND UCMEPCOL AND DEVICE SUPPORTS THE EXTENDED DATA STREAM
		...1 111.		UCMRWCLN	"X'1E'" - SCREEN SIZE INDICATED BY UCMEPROW AND UCMEPCOL AND DEVICE DOES NOT SUPPORT THE EXTENDED DATA STREAM
28	(1C)	ADDRESS	4	UCMXB	- ADDRESS OF RDCM(DISPLAY) OR ZERO
32	(20)	BITSTRING	1	UCMSDS5	- SDS FLAGS
		1...		UCMSDS5A	"BIT0" - MLWTO LINE NEEDED TO KEEP WRITING
		.1..		UCMSDS5B	"BIT1" - INLINE OUTPUT PENDING
		..1.		UCMSDS5C	"BIT2" - OUT-OF-LINE OUTPUT PENDING
		...1		UCMSDS5D	"BIT3" - K Q ISSUED FOR THIS CONSOLE
		.... 1...		UCMRSV30	"BIT4,,C'X'" - RESERVED
		.... .1..		UCMSDS5F	"BIT5" - FOR DISPLAY, UCMMLAST VALID
		.... ..1.		UCMSDS5G	"BIT6" - I/O HARDWARE IN OUTPUT-ONLY STATUS
		1		UCMRSV31	"BIT7,,C'X'" - RESERVED
33	(21)	BITSTRING	1	UCMDIDCS	DIDOCS GLOBAL UPDATE FLAGS
		1...		UCMEGCHG	"BIT0" GLOBAL CHANGES OCCURRED FOR THIS CONSOLE
		.1..		UCMENGUP	"BIT1" DO NOT ISSUE A GLOBAL UPDATE FOR THIS CONSOLE (CURRENTLY USED ONLY BY CONSOLE SWITCH)
		..1.		UCMAHERE	"BIT2" - ON= CONSOLE IS ACTIVE ON THIS SYSTEM
		...1		UCMINUSE	"BIT3" - ON= UCME IS IN USE
		.... 1...		UCMEFAIL	"BIT4" - Console has failed and console switch was was attached

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
		EQU X'07' RESERVED			
				End of Comment	
34	(22)	BITSTRING	1	UCMES_FLAGS	SNA MCS Flags
		1...		UCMES_SMCS	"BIT0" UCME is for a SMCS Console - Sysplex wide
		.1..		UCMES_ALLOC	"BIT1" Has been allocated by a system - Sysplex wide
		..1.		UCMES_ACTVE	"BIT2" SMCS Console is active - Local to system CS Should be used when setting bit
		...1		UCMES_CLEANUP_IN_PROGRESS	"BIT3" Cleanup of SMCS UCME is in progress
		.... 1...		UCMES_LOGOFF_IN_PROGRESS	"BIT4" LOGOFF is running for this console
		.... .1..		UCMES_DEVICE_WAS_BUSY	"BIT5" IEECVSHT detected that the device was busy. Note: This flag is not cleared when UCMBF is cleared. It is normally only cleared when the I/O routines are SENDing output to an SMCS console (basically, when UCMBF is turned on.)
35	(23)	CHARACTER	1	UCMRSV86	- RESERVED
36	(24)	ADDRESS	4	UCMOUTQ	- ADDRESS OF CQE QUEUE (MDC301)
40	(28)	BITSTRING	2	UCMAUTH (0)	- COMMAND CODE AUTHORIZATION
40	(28)	BITSTRING	1	UCMAUTHA	- 1ST BYTE OF COMMAND CODE AUTH FLAGS
		1...		UCMAUTH1	"BIT0" - COMMAND GROUP 1 (SYS)
		.1..		UCMAUTH2	"BIT1" - COMMAND GROUP 2 (I/O)
		..1.		UCMAUTH3	"BIT2" - COMMAND GROUP 3 (CONS)
		...1		UCMRSV19	"BIT3,,C'X'" - RESERVED
		.... 1...		UCMRSV20	"BIT4,,C'X'" - RESERVED
		.... .1..		UCMRSV21	"BIT5,,C'X'" - RESERVED
		.... ..1.		UCMRSV22	"BIT6,,C'X'" - RESERVED
		1		UCMRSV23	"BIT7,,C'X'" - RESERVED
41	(29)	BITSTRING	1	UCMAUTHB	- 2ND BYTE OF COMMAND CODE AUTH FLAGS
42	(2A)	BITSTRING	2	UCMDISP (0)	- DISPOSITION FLAGS (2 BYTES)
42	(2A)	BITSTRING	1	UCMDISP1	- FIRST BYTE - DISPOSITION FLAGS
		1...		UCMDISPA	"BIT0" - MASTER CONSOLE
		.1..		UCMDISPB	"BIT1" - HARDCOPY DEVICE/CONSOLE
		..1.		UCMDISPC	"BIT2" - DISPLAY CONSOLE
		...1		UCMDISPD	"BIT3" - OUTPUT ONLY
		.... 1...		UCMDISPE	"BIT4" - CONSOLE HAS FULL I/O CAPABILITY
		.... .1..		UCMDISPF	"BIT5" - CONSOLE IS MESSAGE STREAM ONLY
		.... ..1.		UCMDISPG	"BIT6" - CONSOLE IS STATUS DISPLAY ONLY
		1		UCMDISPH	"BIT7" - INTEGRATED OPERATOR'S CONSOLE (OS/VS2) MDC041
43	(2B)	BITSTRING	1	UCMDISP2	- SECOND BYTE - DISPOSITION FLAGS
		1...		UCMDISPI	"BIT0" - DISPLAY TIME
		.1..		UCMDISPJ	"BIT1" - DISPLAY JOB NAME
		..1.		UCMDISPK	"BIT2" - SUBSYSTEM ALLOCATABLE INDICATOR
		...1		UCMDISPL	"BIT3" - CONSOLE IS DEDICATED TO A SYSTEM COMPONENT (SUBSYSTEM)
		.... 1...		UCMDISPM	"BIT4" - CONSOLE IS TO BE CONSIDERED A PSEUDO MASTER CONSOLE
		.... .1..		UCMDISPN	"BIT5" - DISPLAY SYSTEM NAME
		.... ..1.		UCMDISPX	"BIT6" - NO SYSTEM NAME AND JOB NAME DISPLAYED
44	(2C)	ADDRESS	4	UCMALTEN	- ADDRESS OF ALTERNATE INPUT UCM ENTRY
48	(30)	ADDRESS	4	UCMOAOEN	- ADDRESS OF OUTPUT/ALTERNATE OUTPUT UCM ENTRY
52	(34)	ADDRESS	4	UCMWLAST	- ADDRESS OF LAST CQE SERVICED IN OUTPUT QUEUE (MDC397)
56	(38)	ADDRESS	4	UCMCOMPC	- ADDRESS OF OTHER DEVICE ENTRY IF THIS IS A COMPOSITE CONSOLE
60	(3C)	BITSTRING	2	UCMMSG (0)	- MESSAGE FLAGS
60	(3C)	BITSTRING	1	UCMMSG1	- FIRST BYTE - MESSAGE FLAGS
		1...		UCMMSGA	"BIT0" - 'MONITOR JOBNAMES' REQUESTED
		.1..		UCMMSGB	"BIT1" - 'MONITOR STATUS' REQUESTED

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		..1.		UCMRSV70	"BIT2,,C'X'" - RESERVED (MDC377)
		...1		UCMMSGD	"BIT3" - RESQID REQUEST
		.... 1...		UCMRSV71	"BIT4,,C'X'" - RESERVED (MDC378)
		.... .1..		UCMMSGF	"BIT5" - MONITOR SESSIONS
		.... ..1.		UCMMSGG	"BIT6" - MONITOR WITH TIME
		1		UCMRSV27	"BIT7,,C'X'" - RESERVED
61	(3D)	BITSTRING	1	UCMMSG2	- SECOND BYTE - MESSAGE FLAGS
62	(3E)	BITSTRING	1	UCMXOR	- XOR MASK - SET TO ZERO
63	(3F)	BITSTRING	1	UCMDEVC	- DEVICE CONTROL FLAGS
		1...		UCMDEVA	"BIT0" - FULL SCREEN ON DISPLAY CONSOLES
		.1..		UCMDEVB	"BIT1" - 'PREPARE' COMMAND ISSUED
		..1.		UCMDEVCC	"BIT2" - CONSOLE TESTED INDICATOR
		...1		UCMDEVD	"BIT3" - DOM ISSUED
		.... 1...		UCMDEVE	"BIT4" - I/O COMPLETE
		.... .1..		UCMDEVF	"BIT5" - DCM MODIFIED FOR DOM
		.... ..1.		UCMDEVG	"BIT6" - HIO ISSUED ON THE 2740
		1		UCMVHRSN	"BIT7" - CONSOLE I/O PATH AFFECTED (OS/VS2) (MDC049) YM2236
64	(40)	ADDRESS	4	UCMMLAST	- ADDRESS OF LAST MINOR WQE HANDLED
68	(44)	ADDRESS	4	UCMRCT	- POINTER TO RCT
72	(48)	ADDRESS	4	UCMFEXTP	- ADDRESS OF UCME FIXED EXTENSION (MDC332)
76	(4C)	ADDRESS	4	UCMVMPL	- Address of VARY Message Parm List
76	(4C)	X'50'	0	UCMESIZE	"*-UCMLIST" - LENGTH (BYTES) OF INDIV DEVICE ENTRY
76	(4C)	X'0'	0	UCMEND	"*-UCMESIZE" - ADDR OF LAST DEVICE ENTRY

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCMFEXTA	, - UCM FIXED EXTENSION BASE (MDC304)
0	(0)	CHARACTER	4	UCMFUCMF	- ACRONYM IN EBCDIC -UCMF- (MDC305)
4	(4)	ADDRESS	4	UCMFPPTR	- ADDRESS OF UCM PAGEABLE EXTENSION BASE (MDC306)
8	(8)	CHARACTER	8	UCMFMGFS (0)	- FLAGS FOR FIXED EXTENSION BASE (MDC307)
8	(8)	BITSTRING	1	UCMFFLG1	- MESSAGE FLAGS (MDC308)
		1...		UCMFMSGE	"BIT0" - WQE SHORTAGE MESSAGE ISSUED (MDC309)
		.1..		UCMFMSGA	"BIT1" - WQE CRITICAL MESSAGE ISSUED (MDC310)
		..1.		UCMFMSGN	"BIT2" - NO WQE THRESHOLD MESSAGES SHOULD BE ISSUED (MDC311)
		...1		UCMFMSG1	"BIT3" - ACTION MESSAGE RETENTION BUFFER SHORTAGE MESSAGE ISSUED (MDC402)
		.... 1...		UCMFMSG2	"BIT4" - ACTION MESSAGE RETENTION SEVERE BUFFER SHORTAGE MESSAGE ISSUED (MDC403)
		.... .1..		UCMFMSG3	"BIT5" - ACTION MESSAGE RETENTION BUFFER EXTENSION FAILED MESSAGE ISSUED (MDC404)
		.... ..1.		UCMFMSG4	"BIT6" - ISSUE ACTION MESSAGE RETENTION BUFFER EXTENSION FAILED MESSAGE (MDC405)
		1		UCMFMSG5	"BIT7" - ISSUE DOM FOR ACTION MESSAGE RETENTION BUFFER EXTENSION FAILED MESSAGE (MDC406)
9	(9)	BITSTRING	1	UCMFFLG2	- MESSAGE FLAGS (MDC313)
		1...		UCMFMSG6	"BIT0" - ACTION MESSAGE RETENTION FACILITY RESTART FAILED MESSAGE ISSUED (MDC453)
		.1..		UCMFMSG7	"BIT1" - MPF FAILED MESSAGE SHOULD BE ISSUED (MDC475)
		..1.		UCMFMSG8	"BIT2" - MPF FAILED MESSAGE HAS BEEN ISSUED (MDC475)
		...1		UCMFMSG9	"BIT3" - WTOR SHORTAGE MESSAGE ISSUED
		.... 1...		UCMFMSGB	"BIT4" - WTOR CRITICAL MESSAGE ISSUED
		.... .1..		UCMFUMPF	"BIT5" - CALL MPF FOR ALL MESSAGES
		.... ..1.		UCMFMSGC	"BIT6" - INSUFFICIENT AMRF STORAGE MSG ISSUED
		1		UCMNHOLD	"BIT7" - IF ON, DO NOT HOLD MESSAGES FROM BEING SENT TO OTHER SYSTEMS IN SYSPLEX
10	(A)	BITSTRING	1	UCMFFLG3	- QUEUE SCANNED FLAGS FOR ACTION MESSAGE RETENTION FACILITY (MDC454)

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		1...		UCMFRQSD	"BIT0" - RETAINED MESSAGE QUEUE SCANNED (MDC455)
		.1..		UCMFIQSD	"BIT1" - RETAINED IMMEDIATE ACTION MESSAGE QUEUE SCANNED (MDC456)
		..1.		UCMFEQSD	"BIT2" - RETAINED EVENTUAL ACTION MESSAGE QUEUE SCANNED (MDC457)
		...1		UCMFCQSD	"BIT3" - RETAINED CRITICAL EVENTUAL ACTION MESSAGE QUEUE SCANNED
		.... 1...		UCMFRSVD	"BIT4" - RESERVED
		.... .1..		UCMFRSVE	"BIT5" - RESERVED
		.... ..1.		UCMFRSVF	"BIT6" - RESERVED
		1		UCMFRSVG	"BIT7" - RESERVED
11	(B)	BITSTRING	1	UCMFMISC	- MISCELLANEOUS FLAGS
		1...		UCMFWRID	"BIT0" - DOM IDS HAVE WRAPPED
		.1..		UCMFCMIN	"BIT1" - MINOR LINE ADDED
		..1.		UCMFRSVH	"BIT2" - RESERVED
		...1		UCMFHOLD	"BIT3" - HOLDMODE SPECIFIED
		.... 1...		UCMF4RSV	"BIT4" - RESERVED
		.... .1..		UCMFLOGR	"BIT5" - LOGON(REQUIRED) SPECIFIED IN CONSOLXX
		.... ..1.		UCMFLOGA	"BIT6" - LOGON(AUTO) SPECIFIED IN CONSOLXX
		1		UCMFRACT	"BIT7" - RACF IS ACTIVE
12	(C)	ADDRESS	4	UCMFUTOK	- POINTER TO DEFAULT UTOKEN
16	(10)	SIGNED	2	UCMF60WQ	- 60% OF CURRENT WQE LIMIT
18	(12)	SIGNED	2	UCMF80WQ	- 80% OF CURRENT WQE LIMIT
20	(14)	SIGNED	2	UCMF95WQ	- 95% OF CURRENT WQE LIMIT
22	(16)	SIGNED	2	UCMF60OR	- 60% SPECIFIED ORE LIMIT
24	(18)	SIGNED	2	UCMF80OR	- 80% SPECIFIED ORE LIMIT
26	(1A)	BITSTRING	1	UCMFMIS2	- MISCELLANEOUS FLAG BYTE 2
		1...		UCMFPCOK	"BIT0" - CONSOLES PC TABLE HAS BEEN SETUP
		.1..		UCMFUD1	"BIT1" - Message loss exists somewhere in the sysplex
		..1.		UCMFHCUD	"BIT2" - Hardcopy receives UD messages
		...1		UCMFMLSS	"BIT3" - Message loss exists somewhere in the sysplex
		.... 1...		UCMFSYNL	"BIT4" - There are systems that have no MCS consoles attached to them which can receive SYNCH messages
		.... .1..		UCMFMIX	"BIT5" - SP 4.1.0 system exists in the plex
		.... ..1.		UCMFPCMP	"BIT6" - Footprint indicating that the scheduling by DCCF of the SRB for COMM Task has not completed yet
		1		UCMF440	"BIT7" - Indicates there are only 5.1 and above systems in a sysplex
27	(1B)	BITSTRING	1	UCMFSNL	- SYSTEM NAME LENGTH
28	(1C)	CHARACTER	4	UCMFECBL (0)	- ECB LIST THAT IEAVMQWR WAITS ON IN A NO-CONSOLES CONDITION (MDC334)
28	(1C)	ADDRESS	4	UCMFXECB (0)	- ADDR OF EXTERNAL INTERRUPT ECB
28	(1C)	BITSTRING	1	UCMFXBYT	- HIGH-ORDER BYTE OF UCMFXECB
		1...		UCMFXB0	"BIT0" - END OF LIST INDICATOR (MDC338)
29	(1D)	ADDRESS	3	UCMFXAD	- ADDR OF EXTERNAL INTERRUPT ECB
32	(20)	ADDRESS	4	UCMFWQES	- LAST SERVICED WQE POINTER
36	(24)	ADDRESS	4	UCMFATCN	- ADDRESS OF UCME CANDIDATE FOR NEW MASTER CONSOLE (ATTENTION WAS GENERATED ON THIS DEVICE WHEN IN A NO-CONSOLES CONDITION) (MDC340)
40	(28)	ADDRESS	4	UCMFE1ST	- ADDRESS OF FIRST UCME FIXED EXTENSION (MDC341)
44	(2C)	SIGNED	4	UCMFELEN	- LENGTH OF A UCME FIXED EXTENSION (MDC342)
48	(30)	ADDRESS	4	UCMFELST	- ADDRESS OF LAST UCME FIXED EXTENSION (MDC343)
52	(34)	CHARACTER	12	UCMFAMRP (0)	- POINTERS TO ACTION MESSAGE RETENTION QUEUES (MDC407)
52	(34)	ADDRESS	4	UCMFAMRQ	- POINTER TO RETAINED MESSAGE QUEUE (MDC408)
56	(38)	ADDRESS	4	UCMFIAMQ	- POINTER TO RETAINED IMMEDIATE ACTION MESSAGE QUEUE (MDC409)
60	(3C)	ADDRESS	4	UCMFEAMQ	- POINTER TO RETAINED EVENTUAL ACTION MESSAGE QUEUE (MDC410)
64	(40)	SIGNED	4	UCMFRMCP	- CELLPOOL ID OF ACTION MESSAGE RETENTION QUEUE (MDC411)
68	(44)	SIGNED	2	UCMFAMRN	- NUMBER OF AMRQ ENTRIES (MDC412)
70	(46)	SIGNED	2	UCMF75MR	- 75% OF MAXIMUM AMRQ ENTRIES (MDC413)
72	(48)	SIGNED	2	UCMF80MR	- 80% OF MAXIMUM AMRQ ENTRIES (MDC414)

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
74	(4A)	SIGNED	2	UCMF95MR	- 95% OF MAXIMUM AMRQ ENTRIES (MDC415)
76	(4C)	SIGNED	2	UCMFIBSZ	- INITIAL BUFFER SIZE FOR ACTION MESSAGE RETENTION BUFFER (MDC416)
78	(4E)	SIGNED	1	UCMFAMRS	- SUBPOOL OF ACTION MESSAGE RETENTION BUFFER (MDC417)
79	(4F)	SIGNED	1	UCMFEBSZ	- EXTENT SIZE FOR ACTION MESSAGE RETENTION BUFFER (MDC418)
80	(50)	ADDRESS	4	UCMFSAVP	- ADDRESS OF 72-BYTE SAVE AREA (MDC424)
84	(54)	ADDRESS	4	UCMFMPFP	- ADDRESS OF MPF TABLE (MDC475)
88	(58)	ADDRESS	4	UCMFCLRA	- ADDRESS OF COLOR/HIGHLIGHTING ATTRIBUTE TABLE
92	(5C)	ADDRESS	4	UCMGENXP	- ADDRESS OF GENERAL WTO USER EXIT IEAVMXIT TABLE (GENX)
96	(60)	ADDRESS	4	UCMFCAMQ	- POINTER TO THE RETAINED CRITICAL EVENTUAL ACTION MESSAGE QUEUE
100	(64)	CHARACTER	8	UCMFSYNM	- CURRENT SYSTEM NAME
108	(6C)	CHARACTER	1	UCMFSYID	- CURRENT SYSTEM ID
109	(6D)	CHARACTER	3	UCMFSVDM	- SAVED DOM ID
112	(70)	CHARACTER	4	UCMFDSQN	- DISPLAY SEQUENCE NUMBER (USED FOR D R AND K C ONLY)
116	(74)	BITSTRING	16	UCMFHCRT	- ROUTING CODES FOR SYSLOG
132	(84)	ADDRESS	4	UCMF043D	- ADDRESS OF SVC 34 LOAD MODULE (IEE0403D) IN COMM TASK STORAGE ONLY
136	(88)	ADDRESS	4	UCMFLSTN	- ADDRESS OF COMM TASK ENF LISTEN EXIT ROUTINE (IEAVG600)
140	(8C)	ADDRESS	4	UCMFHCDA	- ADDRESS OF IEAVM601 AUTO DATA AREA
144	(90)	ADDRESS	4	UCMFSUBA	- POINTER TO IEECSUB (DIDOCS ROLL MODE TIMER FUNCTIONS)
148	(94)	CHARACTER	1	UCMFCMDL	- MULTIPLE COMMAND DELIMITER
149	(95)	BITSTRING	1	UCMFMIS3	- MISCELLANEOUS FLAG BYTE 3
		1...		UCMF65BL	"BIT0" - 65% OF BELOW WQES USED
		.1..		UCMF85BL	"BIT1" - 85% OF BELOW WQES USED
150	(96)	CHARACTER	2	UCMFRSV4	- RESERVED
152	(98)	BITSTRING	16	UCMFHPRT	- ROUTING CODES FOR A PRINTER CONSOLE
168	(A8)	ADDRESS	4	UCMFPOMR	- POINTER TO OPERATOR MGMT ROUTINE
172	(AC)	ADDRESS	4	UCMFCMTP	- ADDRESS OF THE MPF COMMAND TABLE
176	(B0)	ADDRESS	4	UCMCPFTA	- ADDRESS OF THE CPF TABLE
180	(B4)	ADDRESS	4	UCMFSMTA	- ADDRESS OF THE SYSMCS MEMBER TABLE (SMT)
184	(B8)	ADDRESS	4	UCMFCSTP	- ADDRESS OF CONSOLE STOKEN TABLE
188	(BC)	ADDRESS	4	UCMFCLTP	- ADDRESS OF CONSOLE LOOKUP TABLE
192	(C0)	ADDRESS	4	UCMFMITP	- ADDRESS OF MIGRATION ID TABLE
196	(C4)	ADDRESS	4	UCMFCCEP	- ADDRESS OF ARRAY OF CCE POINTERS
200	(C8)	ADDRESS	4	UCMFCLTS	- ADDRESS OF CLTSCAN PROCESSOR
204	(CC)	ADDRESS	4	UCMFOMD	- ADDRESS OF OMD (IEAVG102)
208	(D0)	ADDRESS	4	UCMFOLRP	- ADDRESS OF IEAVM612 PARM LIST & WORK AREA
212	(D4)	ADDRESS	4	UCMFRCT	- ADDRESS OF ROUTE CODE TABLE
216	(D8)	ADDRESS	4	UCMFRCDA	- ADDRESS OF IEAVM603 AUTO DATA AREA
220	(DC)	ADDRESS	4	UCMFWSVP	- ADDRESS OF IEAVMWSV WORK AREA
224	(E0)	CHARACTER	8	UCMFCSYN	- NAME OF SYSTEM WHERE CANDIDATE CONSOLE IS SELECTED
232	(E8)	ADDRESS	4	UCMFRXAD	- ADDRESS OF ESTAEX ENTRY POINT FOR COMM TASK'S RECOVERY ROUTINE (IEAVMFRX, ALIAS FOR IEAVMFRR)
236	(EC)	ADDRESS	4	UCMFCLAD	- CLEAN UP ROUTINE ADDRESS
240	(F0)	ADDRESS	4	UCMFDMPA	- DUMP EXIT ROUTINE ADDRESS
244	(F4)	ADDRESS	4	UCMFRCTM	- POINTER TO AGGREGATE RCTM BLOCK
248	(F8)	CHARACTER	4	UCMFRSVI	- RESERVED
252	(FC)	ADDRESS	4	UCMFUDTK	- USER'S UNDEFINED UTOKEN
256	(100)	ADDRESS	4	UCMFTSWA	- IEAVG714 WORK AREA ADDRESS
260	(104)	ADDRESS	4	UCMFWQEC	- ADDRESS OF WQE COUNT TABLE
264	(108)	ADDRESS	4	UCMFWCTA	- ADDRESS OF WQE AND CQE INFORMATION TABLE
268	(10C)	ADDRESS	4	UCMFST2A	- ADDRESS OF DYNAMIC AREA FOR IEAVSTA2
272	(110)	ADDRESS	4	UCMF606	- Address of IEAVG606 - initialized by IEAVVINT
276	(114)	ADDRESS	4	UCMFPUCM	- Address of the UCME to be posted when SRB routine IEAVG606 is scheduled by DCCF

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
280	(118)	CHARACTER	44	UCMFSRB	- SRB used by DCCF to schedule the COMM Task address space
324	(144)	ADDRESS	4	UCMFCWKP	- ADDRESS OF 12-BYTE COMMON AREA FOR ALL WTO USER EXITS
328	(148)	ADDRESS	4	UCMFCTCA	- Address of CTRACE Control area
332	(14C)	ADDRESS	4	UCMFCSAA	- ADDRESS OF TEMPORARY IEAVMWTO WORK AREA IN CSA
336	(150)	SIGNED	4	UCMFCSAL	- LENGTH OF TEMPORARY IEAVMWTO WORK AREA IN CSA
340	(154)	ADDRESS	4	UCMFS_TERME	SMCS Termination ECB. Posted when VTAM is terminating
344	(158)	ADDRESS	4	UCMFS_CPME	SMCS Cell Pool Maintenance ECB. Posted when maintenance on the IEESMCS cellpool is needed
348	(15C)	ADDRESS	4	UCMFS_HT_ECB	SMCS Hang Timer Subtask ECB
352	(160)	ADDRESS	4	UCMFS_HT_TERME	SMCS Hang Timer Subtask Termination ECB
356	(164)	CHARACTER	8		Reserved

Comment

SMCS POST CODES FOR UCMFS_TERME AND UCMFS_CPME.
EQU X'000000FF' Reserved for
internal SMCS
start process

End of Comment

```
1111  111.        UCMFS_TERME_TPEND_HALT
                                "X'000000FE'"
1111  11.1        UCMFS_TERME_TPEND_HALT_QUICK
                                "X'000000FD'"
1111  11..        UCMFS_TERME_TPEND_HALT_CANCEL
                                "X'000000FC'"
1111  1.11        UCMFS_TERME_OK_2_CLOSE
                                "X'000000FB'"
1111  1.1.        UCMFS_CPME_EXPAND_CELL_POOL
                                "X'000000FA'"
1111  1..1        UCMFS_CPME_CONTRACT_CELL_POOL
                                "X'000000F9'" EQU X'000000F8' Reserved for internal Hang
                                Timer process
```

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCMFSAVE	, - UCM FIXED EXTENSION SAVE AREA (MDC425)
0	(0)	SIGNED	4	UCMFSV01	- WORD 1 (MDC426)
4	(4)	SIGNED	4	UCMFSV02	- WORD 2 (MDC427)
8	(8)	SIGNED	4	UCMFSV03	- WORD 3 (MDC428)
12	(C)	SIGNED	4	UCMFSV04	- WORD 4 (MDC429)
16	(10)	SIGNED	4	UCMFSV05	- WORD 5 (MDC430)
20	(14)	SIGNED	4	UCMFSV06	- WORD 6 (MDC431)
24	(18)	SIGNED	4	UCMFSV07	- WORD 7 (MDC432)
28	(1C)	SIGNED	4	UCMFSV08	- WORD 8 (MDC433)
32	(20)	SIGNED	4	UCMFSV09	- WORD 9 (MDC434)
36	(24)	SIGNED	4	UCMFSV10	- WORD 10 (MDC435)
40	(28)	SIGNED	4	UCMFSV11	- WORD 11 (MDC436)
44	(2C)	SIGNED	4	UCMFSV12	- WORD 12 (MDC437)
48	(30)	SIGNED	4	UCMFSV13	- WORD 13 (MDC438)
52	(34)	SIGNED	4	UCMFSV14	- WORD 14 (MDC439)
56	(38)	SIGNED	4	UCMFSV15	- WORD 15 (MDC440)
60	(3C)	SIGNED	4	UCMFSV16	- WORD 16 (MDC441)
64	(40)	SIGNED	4	UCMFSV17	- WORD 17 (MDC442)
68	(44)	SIGNED	4	UCMFSV18	- WORD 18 (MDC443)
68	(44)	X'48'	0	UCMFSVLN	"*-UCMFSAVE" - LENGTH OF SAVE AREA (MDC444)

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCMPEXTA	, - UCM PAGEABLE EXTENSION BASE (MDC319)
0	(0)	CHARACTER	4	UCMPUCMP	- ACRONYM IN EBCDIC -UCMP- (MDC320)
4	(4)	CHARACTER	36	UCMPDM1 (0)	- DOM ID'S (MDC475)
4	(4)	SIGNED	4	UCMPWQE	- WQE CRITICAL MESSAGE DOM ID (MDC322)
8	(8)	SIGNED	4	UCMPNMCC	- NO MASTER CONSOLE CONDITION MESSAGE DOM ID (MDC323)
12	(C)	SIGNED	4	UCMPNCC	- NO-CONSOLE CONDITION MESSAGE DOM ID (MDC344)
16	(10)	SIGNED	4	UCMPWQES	- WQE SHORTAGE MESSAGE DOM ID (MDC396)
20	(14)	SIGNED	4	UCMPAMRS	- ACTION MESSAGE RETENTION BUFFER SHORTAGE MESSAGE DOM ID (MDC420)
24	(18)	SIGNED	4	UCMPAMRC	- ACTION MESSAGE RETENTION SEVERE BUFFER SHORTAGE MESSAGE DOM ID (MDC421)
28	(1C)	SIGNED	4	UCMPAMRF	- ACTION MESSAGE RETENTION BUFFER EXTENSION FAILED MESSAGE DOM ID (MDC422)
32	(20)	SIGNED	4	UCMPAMRR	- ACTION MESSAGE RETENTION FACILITY RESTART FAILED MESSAGE DOM ID (MDC324)
36	(24)	SIGNED	4	UCMPMPFD	- MPF FAILED MESSAGE DOM ID (MDC475)
40	(28)	SIGNED	4	UCMPOREC	- ORE CRITICAL MESSAGE DOM ID
44	(2C)	SIGNED	4	UCMPORES	- ORE SHORTAGE MESSAGE DOM ID
48	(30)	ADDRESS	4	UCMPE1ST	- ADDRESS OF FIRST UCME PAGEABLE EXTENSION (MDC345)
52	(34)	SIGNED	4	UCMPELEN	- LENGTH OF A UCME PAGEABLE EXTENSION (MDC346)
56	(38)	ADDRESS	4	UCMPELST	- ADDRESS OF LAST UCME PAGEABLE EXTENSION (MDC347)
60	(3C)	ADDRESS	4	UCMPECBM	- Master Scheduler wait for COMM TASK ECB
64	(40)	ADDRESS	4	UCMPECB1	- TASK ECB FOR IEAVMQWR
68	(44)	ADDRESS	4	UCMPECB2	- TASK ECB FOR IEEVWAIT

Comment

STATUS FIELDS FOR THE ACTION MESSAGE RETENTION FACILITY AT THE TIME OF ERROR

End of Comment

72	(48)	CHARACTER	12	UCMPAMRP (0)	- POINTERS TO ACTION MESSAGE RETENTION FACILITY QUEUES AT TIME OF ERROR (MDC459)
72	(48)	ADDRESS	4	UCMPAMRQ	- POINTER TO RETAINED MESSAGE QUEUE AT TIME OF ERROR (MDC460)
76	(4C)	ADDRESS	4	UCMPIAMQ	- POINTER TO RETAINED IMMEDIATE ACTION MESSAGE QUEUE AT TIME OF ERROR (MDC461)
80	(50)	ADDRESS	4	UCMPEAMQ	- POINTER TO RETAINED EVENTUAL ACTION MESSAGE QUEUE AT TIME OF ERROR (MDC462)
84	(54)	SIGNED	2	UCMPAMRN	- NUMBER OF RETAINED MESSAGES AT TIME OF ERROR (MDC463)
86	(56)	BITSTRING	1	UCMPSNQB	- QUEUE SCANNED FLAGS FOR ACTION MESSAGE RETENTION FACILITY AT TIME OF ERROR (MDC464)
		1...		UCMPRQSD	"BIT0" - RETAINED MESSAGE QUEUE WAS SCANNED AT TIME OF ERROR (MDC465)
		.1..		UCMPIQSD	"BIT1" - RETAINED IMMEDIATE ACTION MESSAGE QUEUE WAS SCANNED AT TIME OF ERROR (MDC466)
		..1.		UCMPEQSD	"BIT2" - RETAINED EVENTUAL ACTION MESSAGE QUEUE WAS SCANNED AT TIME OF ERROR (MDC467)
		...1		UCMPCQSD	"BIT3" - RETAINED CRITICAL EVENTUAL ACTION MESSAGE QUEUE WAS SCANNED AT THE TIME OF THE ERROR
		.... 1...		UCMPRSV4	"BIT4" - RESERVED
		.... .1..		UCMPRSV5	"BIT5" - RESERVED
		.... ..1.		UCMPRSV6	"BIT6" - RESERVED
		1		UCMPRSV7	"BIT7" - RESERVED
87	(57)	BITSTRING	1	UCMPRSV8	- RESERVED (MDC468)
88	(58)	ADDRESS	4	UCMPQWRR	- IEAVMQWR'S RETURN ADDR
92	(5C)	ADDRESS	4	UCMPSWRK	- POINTER TO IEAVSTAA'S WORKAREA
96	(60)	BITSTRING	1	UCMPFLG1	- MISCELLANEOUS FLAGS
		1...		UCMPWERA	"BIT0" COMMTASK IEEVWAIT EXTERNAL RESTART ATTEMPTED

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.1..		UCMPUXIT	"BIT1" - IF ON, ACTIVATE THE GENERAL USER EXIT
		..1.		UCMPPFKC	"BIT2" - IF ON, PFK TABLE INITIALIZATION IS COMPLETE
		...1		UCMPSWCH	"BIT3" IF ON, IEAVSWCH ISSUED AN ATTACH FOR IEAVSWCB. IEAVSWCB TURNS THIS OFF WHEN IT COMPLETES PROCESSING.
		.... 1...		UCMPSWCC	"BIT4" IF ON, IEAVSWCC HAS BEEN ATTACHED AND IS CURRENTLY PROCESSING THE MASTER CONSOLE CANDIDATE
		.... .1..		UCMPLOCO	"BIT5" Suppress global updates
		.... ..1.		UCMPXITA	"BIT6" If on, UEXIT=Y processor needs to post UCMPECBX when IEAVMXIT activated
		1		UCMPXTDF	"BIT7" If on, UEXIT=Y by default
97	(61)	CHARACTER	1	UCMPRSV3	RESERVED
98	(62)	CHARACTER	2	UCMPPFKM	SUFFIX OF THE ACTIVE PFKTABXX SYS1.PARMLIB MEMBER
100	(64)	ADDRESS	4	UCMPCAMQ	- POINTER TO THE RETAINED CRITICAL EVENTUAL ACTION MESSAGE QUEUE AT THE TIME OF ERROR
104	(68)	BITSTRING	16	UCMOWTOR	DEFAULT ROUTING CODES FOR WTO/WTOR MACROS
120	(78)	ADDRESS	4	UCMPPFKT	- POINTER TO THE PFK TABLE WHICH IS ACTIVE
124	(7C)	ADDRESS	4	UCMPATCN	- UCME ADDRESS OF CANDIDATE CONSOLE DURING ATTENTION INTERRUPT PROCESSING
128	(80)	CHARACTER	2	UCMPRSV9	- RESERVED
130	(82)	CHARACTER	2	UCMPMMSM	- MMS MEMBER SUFFIX
132	(84)	SIGNED	4	UCMPLT80	- DOM ID FOR MESSAGE IEE213E (LOGQUEUE LIMIT)
136	(88)	SIGNED	4	UCMPL100	- DOM ID FOR MESSAGE IEE211E (LOGQUEUE LIMIT)
140	(8C)	ADDRESS	4	UCMPECB3	- TASK ECB FOR IEAVN617
144	(90)	ADDRESS	4	UCMPECBC	- ECB FOR CONSOLE CLASS INITIALIZATION
148	(94)	ADDRESS	4	UCMPIRQP	- CLASS INITIALIZATION REQUEST QUEUE POINTER
152	(98)	ADDRESS	4	UCMPNECB	- NIP ECB (WAITED ON BY IEAVN701)
156	(9C)	ADDRESS	4	UCMPECB9	- IEAVG608 ATTACH ECB
160	(A0)	ADDRESS	4	UCMPECB4	- IEAVG603 TASK ECB
164	(A4)	ADDRESS	4	UCMPECB5	- IEAVG610 TASK ECB
168	(A8)	ADDRESS	4	UCMPECB6	- IEAVG611 TASK ECB
172	(AC)	CHARACTER	4	UCMPRSV1	- Reserved (formerly UCMPECBQ)
176	(B0)	SIGNED	4	UCMPCICP	- CLASS INITIALIZATION CELL POOL ID
180	(B4)	CHARACTER	2	UCMPCNXX	- SUFFIX OF CONSOLXX USED FOR IPL
182	(B6)	SIGNED	2	UCMPROUT	- ROUTTIME ON CONSOLXX INIT
184	(B8)	ADDRESS	4	UCMPECB7	- PARTITION ECB
188	(BC)	CHARACTER	4	UCMPPART	- PARTITION WAIT STATE CODE
192	(C0)	ADDRESS	4	UCMPECB8	- IEAVM613 TASK ECB
196	(C4)	ADDRESS	4	UCMPECBA	- IEAVG608 ABEND ECB
200	(C8)	ADDRESS	4	UCMPECBB	- SYSPLEX USER STATE FIELD ECB
204	(CC)	SIGNED	4	UCMPDMUD (0)	- UD LOSS DOMID
204	(CC)	CHARACTER	1	UCMPDMUH	- SYSID IN HIGH ORDER BYTE OF DOMID
205	(CD)	CHARACTER	3	UCMPDMUS	- DOMID SEQUENCE NUMBER
208	(D0)	SIGNED	4	UCMPDMML (0)	- MESSAGE LOSS DOMID
208	(D0)	CHARACTER	1	UCMPDMMH	- SYSID IN HIGH ORDER BYTE OF DOMID
209	(D1)	CHARACTER	3	UCMPDMMS	- DOMID SEQUENCE NUMBER
212	(D4)	ADDRESS	4	UCMP7603	CONSOLE AREA ID VERIFICATION ROUTINE
216	(D8)	ADDRESS	4	UCMPAMRI	- Insufficient AMRF storage msg DOMID
220	(DC)	BITSTRING	4	UCMPFTOD	Local AMRF failure time
224	(E0)	ADDRESS	4	UCMPFPTR	- Pointer to AMRF Failure Time Table
228	(E4)	SIGNED	4	UCMPMDEV (0)	- Device number of the master console is saved here when a master and all alternates not available condition or a no consoles condition arises.
228	(E4)	CHARACTER	1	UCMPMDV1	- Set to char '0' when UCM is from a pre-SP510 system
229	(E5)	CHARACTER	3	UCMPMDV3	- Remaining three bytes
232	(E8)	SIGNED	4	UCMPDMSN (0)	- SYNCH Loss DOMID
232	(E8)	CHARACTER	1	UCMPDMSH	- SYSID in high order byte of DOMID
233	(E9)	CHARACTER	3	UCMPDMSL	- DOMID sequence number
236	(EC)	CHARACTER	8	UCMPMSYN	- system name where master console was last active - set only after control leaves switch in a master and all alternates not available condition or a no consoles condition
244	(F4)	ADDRESS	4	UCMPECBD	- Indicate that IEAVG614 abended

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
248	(F8)	CHARACTER	8	UCMPSTKN	- STOKEN for Console group data space
256	(100)	CHARACTER	8	UCMPHCP	- Hardcopy group
264	(108)	CHARACTER	8	UCMPSYN	- SYNCHDEST group
272	(110)	CHARACTER	8	UCMPNOCC	- No console condition group
280	(118)	SIGNED	4	UCMPLOGL	- SYSLOG Limit (LOGLIM)
284	(11C)	ADDRESS	4	UCMPMPFM	- POINTER TO THE MPF TABLE WHICH IS ACTIVE
288	(120)	CHARACTER	8	UCMPCTRP	- CTRACE parmlib member name
296	(128)	ADDRESS	4	UCMPMFRR	- Address of FRR router
300	(12C)	ADDRESS	4	UCMPMEST	- Address of Estae router
304	(130)	ADDRESS	4	UCMPECBE	- ECB - IEAVM616 abended
308	(134)	ADDRESS	4	UCMPECBF	- ECB - IEAVM616 has work
312	(138)	ADDRESS	4	UCMPRTQE	- Pointer to RTQE queue for IEAVM616
316	(13C)	ADDRESS	4	UCMPRTQS	- Pointer to RTQE stolen queue
320	(140)	ADDRESS	4	UCMPECBX	Posted when IEAVMXIT is setup first time in ipl (UCMPXITA is on)
324	(144)	ADDRESS	4	UCMPECBU	Posted when UEXIT=Y processor finishes (used on attach of IEEMB819)
328	(148)	ADDRESS	4	UCMPTCBU	TCB address of UEXIT=Y processor
332	(14C)	BITSTRING	4	UCMPHUNG	Time last checked for hung MLWTOs
336	(150)	ADDRESS	4	UCMPCNEV	Posted by CONSOLxx processing after UCM is initialized
340	(154)	ADDRESS	4	UCMPECEV	Posted by IEAVN701 after local EMCS initialization
344	(158)	BITSTRING	4	UCMPRACN	- Console id of Route command EMCS console
348	(15C)	CHARACTER	8	UCMPRANM	- Console name of Route command EMCS console
356	(164)	BITSTRING	4	UCMPRCNI	- Console id to which ROUTE command responses using the migration ID reserved for ROUTE commands should be directed. Valid only when IEECB820 holds ENQ SYSZMCS/ROUTE-MIGIDTOCNID
360	(168)	CHARACTER	8	UCMPRCCA	- CART value used for "route-to-route" processor communication
368	(170)	CHARACTER	8	UCMPRCLC	- Last CART value generated for "route-to-route" communication
376	(178)	CHARACTER	4	UCMPRECB	- ECB posted by IEAVM614 when the first line of a response to a ROUTE command using a migid reserved for ROUTE commands is received. Valid only when IEECB820 holds ENQ SYSZMCS/ROUTE-MIGIDTOCNID
380	(17C)	CHARACTER	4	UCMPGECB	- ROUTE command EMCS message ECB. Posted when a message is processed with cnid = ucmpracn. Used only when IEECB820 holds ENQ SYSZMCS/ROUTE-GROUP--CNID
384	(180)	ADDRESS	4	UCMPSWCT	Addr of system WQE count table (SWCT)
388	(184)	SIGNED	4	UCMPWQAB	Number of WQEs buffered above 16M
392	(188)	SIGNED	4	UCMPDCDM	IEA652A discard WTO DOMID
396	(18C)	SIGNED	4	UCMPDMSG	# msgs discarded while above 16M storage was exhausted
400	(190)	BITSTRING	1	UCMPRCPI	- Last migration id value used by route command processor.
401	(191)	BITSTRING	3	UCMPRSVB	Reserved
404	(194)	SIGNED	4	UCMPTRDM	IEA767A trace buf wrapped WTO DOMID
408	(198)	ADDRESS	4	UCMPCTSC	Address of Comm Task's AS security

Comment

SMCS Data - Fields starting with UCMPS_ are unique to SMCS consoles.

End of Comment

412	(19C)	ADDRESS	4	UCMPS_LGNEXIT	SMCS Logon Exit address
416	(1A0)	ADDRESS	4	UCMPS_TPDEXIT	SMCS TP End Exit address
420	(1A4)	ADDRESS	4	UCMPS_SYNEXIT	SMCS SYNAD Exit address
424	(1A8)	ADDRESS	4	UCMPS_LGLEXIT	SMCS Logical Error Exit address
428	(1AC)	ADDRESS	4	UCMPS_LSTEXIT	SMCS Lost Terminal Exit address
432	(1B0)	ADDRESS	4	UCMPS_RSPEXIT	SMCS Response Exit address

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
436	(1B4)	ADDRESS	4	UCMPS_SNDEXIT	SMCS Send Exit address
440	(1B8)	ADDRESS	4	UCMPS_CLNUP	SMCS Cleanup Routine address
444	(1BC)	ADDRESS	4	UCMPS_RCVEXIT	SMCS Receive Exit address - Attn Rtn
448	(1C0)	ADDRESS	4	UCMPS_CLSEXIT	SMCS CLSDST RPL Exit address
452	(1C4)	ADDRESS	4	UCMPS_ACBADDR	SMCS ACB Address
456	(1C8)	ADDRESS	4	UCMPS_EXITLST	SMCS Exit List address
460	(1CC)	ADDRESS	4	UCMPS_SETLRPL	SMCS SETLOGON RPL address
464	(1D0)	ADDRESS	4	UCMPS_NIBADDR	SMCS NIB Address for SETLOGON
468	(1D4)	ADDRESS	4	UCMPS_VCBADDR	SMCS VTAM Control Block address
472	(1D8)	SIGNED	4	UCMPS_VCBLEN	SMCS VTAM Control Block length
476	(1DC)	ADDRESS	4	UCMPS_MAINRTN_TCB	SMCS Main routine (IEECVSMA) TCB ptr
480	(1E0)	CHARACTER	9	UCMPS_APPLID_AREA (0)	SMCS Application ID area
480	(1E0)	BITSTRING	1	UCMPS_APPLID_LEN	SMCS Length of Appl Id
481	(1E1)	CHARACTER	8	UCMPS_APPLID	SMCS Application ID. If blank, SMCS consoles will not be available on this system
489	(1E9)	CHARACTER	9	UCMPS_APPLID_INUSEBY_AREA (0)	SMCS Application Id in use by this system
489	(1E9)	BITSTRING	1	UCMPS_APPLID_INUSEBY_LEN	SMCS Length of applid in use by system
490	(1EA)	CHARACTER	8	UCMPS_APPLID_INUSEBY_SYSTEM	SMCS Applid in use by this system
498	(1F2)	CHARACTER	8	UCMPS_GENRCID	SMCS VTAM Generic Id for the sysplex
506	(1FA)	CHARACTER	8	UCMPS_GENERIC_INUSEBY_SYSTEM	SMCS VTAM Generic Id that is in use by this system
514	(202)	BITSTRING	1	UCMPS_STATUS	SMCS Status
515	(203)	BITSTRING	1		Reserved - Boundary alignment
516	(204)	ADDRESS	4	UCMPS_LPAB_RQ	SMCS Logon Processing Anchor Block Recovery Queue
520	(208)	ADDRESS	4	UCMPS_EOT_ECB	SMCS End-of-Task ECB
524	(20C)	CHARACTER	8	UCMPS_MSTR_LU	LU name of the master console is saved here when a master and all alternates not available condition or a no consoles condition arises.

Comment

While the values of these fields do not require a full word, these are passed as parameters to general routines that expect a full word.

End of Comment

532	(214)	SIGNED	4	UCMPS_RPL_LEN	Length of an RPL
536	(218)	SIGNED	4	UCMPS_NIB_LEN	Length of a NIB
540	(21C)	SIGNED	4	UCMPS_EXLST_LEN	Length of an Exit List

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					The following are the DSP names and addresses used by SMCS consoles
					End of Comment
544	(220)	CHARACTER	8	UCMPS_DISPLAY_DSP_NAME	Name of display consoles DSP
552	(228)	ADDRESS	4	UCMPS_DISPLAY_DSP_ADDR	Addr of display consoles DSP
556	(22C)	CHARACTER	12		Reserved
					Comment
					DOM Ids for messages that indicate operator action is required to activate a new SMCS Applid or Generic name.
					End of Comment
568	(238)	SIGNED	4	UCMPS_DOMID_GENERIC	Sysplex-wide. When non-zero, at least one system in the sysplex is not using the current SMCS Generic name. SMCS on those systems need to be recycled
572	(23C)	SIGNED	4	UCMPS_DOMID_APPLID	System scope. When non-zero, this system is using a different applid than requested by the operator. SMCS needs to be recycled
576	(240)	SIGNED	4	UCMPS_DOMID_WAIT_4_ACTIVATION	System scope. When non-zero, this this system is waiting for VTAM to activate the SMCS Applid
580	(244)	ADDRESS	4	UCMPOWCP	Address of temp WTOR cell pool BWCP
584	(248)	ADDRESS	4	UCMPS_VM200_ADDR	Address of IEAVM200. This address is only valid when SMCS is active, and should only be used by SMCS
588	(24C)	ADDRESS	4	UCMPS_CB825_ADDR	Address of IEECB825. This address is only valid when SMCS is active, and should only be used by SMCS
592	(250)	ADDRESS	4	UCMPS_CB818_ADDR	Address of IEECB818. This address is only valid when SMCS is active, and should only be used by SMCS
596	(254)	ADDRESS	4	UCMPS_SWCB_ADDR	Address of IEAVSWCB. This address is only valid when SMCS is active, and should only be used by SMCS
600	(258)	ADDRESS	4	UCMPS_SWCS_ADDR	Address of IEAVSWCS. This address is only valid when SMCS is active, and should only be used by SMCS
604	(25C)	ADDRESS	4	UCMPS_SYMREC_ADDR	Address of IEECVSYM. This address is only valid when SMCS is active, and should only be used by SMCS
608	(260)	ADDRESS	4	UCMPS_SMCS_CP_ADDR	Address of SMCS cell pool BWCP
612	(264)	SIGNED	4	UCMPS_DOMID_IEE823E	System scope. When non-zero, this system had a IEECVSHT subtask failure.
616	(268)	ADDRESS	4	UCMPS_HT_SUBTASK_TCB	SMCS IEECVSHT subtask TCB address
620	(26C)	CHARACTER	12	UCMPRSVD	Reserved
					Comment
					Status Codes For SMCS (field UCMPS_STATUS)
					End of Comment
620	(26C)	X'0'	0	UCMPS_SMCS_NOT_ACTIVE	

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					"0" SMCS is not active
620	(26C)	X'1'	0	UCMPS_SMCS_INITIALIZING	
					"1" SMCS is initializing
620	(26C)	X'2'	0	UCMPS_SMCS_WAIT_4_VTAM	
					"2" SMCS is waiting for VTAM to become active
620	(26C)	X'3'	0	UCMPS_SMCS_WAIT_4_APPLID	
					"3" SMCS is waiting for the SMCS Applid to become active
620	(26C)	X'4'	0	UCMPS_SMCS_ACTIVE	
					"4" SMCS is active
620	(26C)	X'5'	0	UCMPS_SMCS_SHUTTING_DOWN	
					"5" SMCS is shutting down
620	(26C)	X'6'	0	UCMPS_SMCS_TERMINATING	
					"6" SMCS is terminating because of a failure

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCMEFEXT	, - UCME FIXED EXTENSION (MDC349)
0	(0)	BITSTRING	1	UCMEFLG1	- FLAGS FOR UCME FIXED EXTENSION (MDC350)
		1...		UCMEFLGA	"BIT0" - IF 1, ATTENTION INDEX IN UCMEFATT IS VALID (MDC351)
		.1..		UCMEFLGB	"BIT1" - IF 1, UCBSYSR FOR THIS DEVICE WAS FORCED TO 1 AND SHOULD BE RESTORED TO 0 (MDC352)
		..1.		UCMEFLGC	"BIT2" - RECURSIVE ERROR INDICATOR
		...1		UCMEFLGD	"BIT3" - OPEN IN PROCESS FOR 3270-X
		.... 1...		UCMEFLGE	"BIT4" - RESERVED
		.... .1..		UCMEF_LOGON_OPTIONAL	
					"BIT5" Logon is optional for this UCME regardless of CONSOLxx DEFAULT specification.
		.... ..1.		UCMEF_LOGON_REQUIRED	
					"BIT6" Logon is required for this UCME regardless of CONSOLxx DEFAULT specification.
		1		UCMEF_AUTOLOG_REQUIRED	
					"BIT7" Autologon is required for this UCME regardless of CONSOLxx DEFAULT .
1	(1)	BITSTRING	1	UCMEFLG2	- FLAG FIELD
		1...		UCMEFSTW	"BIT0" - USE OF THE CONSOLE IS CHANGING
		.1..		UCMEFLRQ	"BIT1" - DISPLAY LOGON PROMPT
		..1.		UCMEFALG	"BIT2" - INITIATE AUTOMATIC LOGON OF CONSOLE
		...1		UCMEFLOG	"BIT3" - CONSOLE HAS AN ACTIVE LOGON
		.... 1...		UCMEALOG	"BIT4" - CONSOLE WAS AUTOMATICALLY LOGGED ON
		.... .1..		UCMEFALL	"BIT5" - MESSAGE SCOPE OF *ALL IS BEING USED
		.... ..1.		UCMEFPAL	"BIT6" - MSCOPE *ALL IS BEING USED FOR PACKET AREA
2	(2)	SIGNED	1	UCMEFATT	- ATTENTION INDEX. VALID ONLY IF UCMEFLGA IS 1. (MDC360)
3	(3)	SIGNED	1	UCMEFSA1	- ATTENTION INDEX SAVED BY 1052 DEVICE SERVICE PROCESSOR (MDC361)
4	(4)	ADDRESS	4	UCMEFPEX	- ADDRESS OF UCME PAGEABLE EXTENSION (MDC362)
8	(8)	SIGNED	1	UCMEFSA2	- ATTENTION INDEX SAVED BY SUBSYS
9	(9)	SIGNED	1	UCMEFDVX	- DEVICE TYPE - SAVED ON FIRST OPEN
10	(A)	BITSTRING	2	UCMEFLVL (0)	- LEVEL OF MESSAGE TO APPEAR ON CONSOLE
10	(A)	BITSTRING	1	UCMEFL1	- FIRST BYTE OF THE MESSAGE LEVEL FLAGS
		1...		UCMEFLR	"BIT0" DISPLAY WTORS
		.1..		UCMEFLIA	"BIT1" DISPLAY IMMEDIATE ACTION MESSAGES
		..1.		UCMEFLCE	"BIT2" DISPLAY CRITICAL EVENTUAL MESSAGES
		...1		UCMEFLE	"BIT3" DISPLAY EVENTUAL ACTION MESSAGES
		.... 1...		UCMEFLI	"BIT4" DISPLAY INFORMATIONAL MESSAGES
		.... .1..		UCMEFLBC	"BIT5" DISPLAY BROADCAST MESSAGES
11	(B)	BITSTRING	1	UCMEFL2	- RESERVED
12	(C)	BITSTRING	4	UCMEFCN (0)	- FOUR-BYTE CONSOLE ID
12	(C)	BITSTRING	1	UCMEFCNC	- CONSOLE CLASS
13	(D)	BITSTRING	1	UCMEFCNR	- RESERVED - 0
14	(E)	BITSTRING	2	UCMEFCNN	- CONSOLE NUMBER

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
16	(10)	SIGNED	2	UCMEFUTM	- DEFAULT UTME VALUE
18	(12)	SIGNED	1	UCMEFNSC	- NUMBER OF MESSAGE SCOPE VALUES SPECIFIED FOR THIS CONSOLE

Comment

UCMEFMSC is used for queuing, only put flags in it which are to be used for queuing messages.
If you add flags to UCMEFMSC then you should add them to the corresponding miscellaneous routing bytes in the WQE, ODTE, RCTB and CTM.

End of Comment

19	(13)	BITSTRING	1	UCMEFMSC	- MISCELLANEOUS ROUTING INFORMATION
		1...		UCMEFUD	"BIT0" - DISPLAY UD MESSAGES
		.1..		UCMEFUDO	"BIT1" - DISPLAY ONLY UD MESSAGES
		..1.		UCMEFMS3	"BIT2" - reserved for IBM use
		...1		UCMEFAUT	"BIT3" - reserved for IBM use
		.... 1...		UCMEFHCY	"BIT4" - reserved for IBM use
20	(14)	SIGNED	1	UCMEFPNS	- NUMBER OF MSCOPE VALUE SPECIFIED FOR THIS CONSOLE IN THE PACKET AREA
21	(15)	BITSTRING	1	UCMEFL3	- Reserved for IBM use
		1...		UCMEFMSA	"BIT0" - MESSAGE SCOPE OF * IS BEING USED
		.1..		UCMEFCSA	"BIT1" - CMDSYS OF * IS BEING USED
22	(16)	CHARACTER	2	UCMEFRV2	- RESERVED
24	(18)	BITSTRING	16	UCMEFRC	- CONSOLE ROUTING CODES (1-128)
40	(28)	ADDRESS	4	UCMEFCMQ	- POINTER TO THE CONSOLE'S COMMAND QUEUE
44	(2C)	ADDRESS	4	UCMEFBUP	- ADDRESS OF BACKUP CONSOLE ID AFTER THIS CONSOLE SWITCHED
48	(30)	ADDRESS	4	UCMEFCQE	- END OF CQE POINTER
52	(34)	CHARACTER	8	UCMEFCNM	- CONSOLE NAME
60	(3C)	ADDRESS	4	UCMEFSDL	- ADDRESS OF SYSTEM/DEVICE ASSOCIATION LIST (SDAL)
64	(40)	ADDRESS	4	UCMEFSEC	- ADDRESS OF Security information
68	(44)	CHARACTER	8	UCMEFUID	- USERID FROM ACEE

Comment

SMCS Data - Fields starting with UCMEFS_ are unique to SMCS consoles.

End of Comment

76	(4C)	ADDRESS	4	UCMEFS_SNDRPL	SMCS Send RPL address
80	(50)	ADDRESS	4	UCMEFS_RCVRPL	SMCS Receive RPL address
84	(54)	ADDRESS	4	UCMEFS_CLSDST_QUERY_RPL	SMCS CLSDST and Read Partition Query RPL
88	(58)	SIGNED	4	UCMEFS_CID	SMCS Communication Id
92	(5C)	CHARACTER	16		Reserved
92	(5C)	X'6C'	0	UCMEFLEN	"*-UCMEFEXT" - LENGTH OF A UCME FIXED EXTENSION (MDC363)

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCMEPEXT	, - UCME PAGEABLE EXTENSION
0	(0)	CHARACTER	8	UCMEPNME	NAME OF THE SYSTEM COMPONENT WHICH IS USING THIS CONSOLE
8	(8)	SIGNED	2	UCMEPAID	ASID OF THE SYSTEM COMPONENT WHICH IS USING THIS CONSOLE
10	(A)	BITSTRING	2	UCMEPAUT	COPY OF UCMAUTH AT THE TIME THAT THE CONSOLE WAS OBTAINED BY A SYSTEM COMPONENT (SUBSYSTEM)
12	(C)	BITSTRING	1	UCMEPFG1	MISCELLANEOUS FLAGS

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		1...		UCMEPAIN	"BIT0" - IF ON, AREA IS DEFINED. IF OFF, APPLY DEFAULT
		.1..		UCMEPTFL	"BIT1" - IF ON, OPEN WAS UNABLE TO OBTAIN A TDCM
		..1.		UCMEPPOB	"BIT2" - IF ON, PFK BUFFER WAS OBTAINED
		...1		UCMEPASY	"BIT3" - ASYNCHRONOUSLY UPDATEABLE DATA MAY NOT BE APPLIED
		.... 1...		UCMEPEDS	"BIT4" - Device supports Extended Data Stream

Comment

EQU X'07' - Reserved

End of Comment

13	(D)	BITSTRING	2	UCMEPMTR (0)	MONITOR SAVE FLAGS
13	(D)	BITSTRING	1	UCMEPMON	MONITOR SAVE FLAGS, FIRST BYTE
		1...		UCMEPMJ	"BIT0" - MONITOR JOBNAMES SAVE FLAG
		.1..		UCMEPMST	"BIT1" - MONITOR STATUS SAVE FLAG
		..1.		UCMEPM02	"BIT2,,C'X'" - RESERVED
		...1		UCMEPM03	"BIT3,,C'X'" - RESERVED
		.... 1...		UCMEPM04	"BIT4,,C'X'" - RESERVED
		.... .1..		UCMEPMS	"BIT5" - MONITOR SESSIONS SAVE FLAG
		.... ..1.		UCMEPMTM	"BIT6" - MONITOR WITH TIME
		1		UCMEPM07	"BIT7,,C'X'" - RESERVED
14	(E)	BITSTRING	1	UCMEPMT2	MONITOR SAVE FLAGS, SECOND BYTE
15	(F)	BITSTRING	1	UCMEPFG4	RESERVED - FLAG BYTE 4
16	(10)	CHARACTER	8	UCMEPFKT	NAME OF THE PFK TABLE BEING USED BY THIS CONSOLE
24	(18)	CHARACTER	2	UCMEPFKM	SUFFIX OF THE SYS1.PARMLIB MEMBER WHERE THE PFK TABLE WAS DEFINED
26	(1A)	SIGNED	2	UCMEPARD	- NUMBER OF AREAS DEFINED
28	(1C)	BITSTRING	11	UCMEPARE	- ARRAY OF 11 AREA SIZES
39	(27)	CHARACTER	1	UCMEPCON	- DELETE VERIFICATION CON=(Y,N)
40	(28)	CHARACTER	2	UCMEPDEL	- AUTOMATIC DELETION DEL=(Y ,N ,R ,RD)
42	(2A)	SIGNED	2	UCMEPRTM	- ROLL TIME IN TENTHS OF SECONDS
44	(2C)	SIGNED	1	UCMEPRNM	- ROLL NUMBER
45	(2D)	SIGNED	1	UCMEPSEG	- SEGMENT SIZE
46	(2E)	BITSTRING	1	UCMEPFSY	- DURING CONSOLE SWITCH, IF THIS CONSOLE IS A FAILING CONSOLE, CONTAINS SYSTEM ID FOR WHERE FAILING CONSOLE WAS ACTIVE
47	(2F)	BITSTRING	1	UCMEPRBF	Number of 'last command buffers' to obtain for this console
48	(30)	SIGNED	4	UCMEPTUL	- LENGTH OF AREA CONTAINING RDCM, TDCM, PFK IF ONE EXISTS AND SACBS IF ANY
52	(34)	CHARACTER	16	UCMEPSRC	SAVED SUBSYSTEM CONSOLE ROUTING CODES
68	(44)	CHARACTER	8	UCMEPALT	NAME OF CONSOLE'S ALTERNATE
76	(4C)	BITSTRING	1	UCMEPA (11)	ARRAY OF 11 FLAG BYTES CORRESPONDING TO EACH AREA DEFINED IN UCMEPARE
		1...		UCMEPUSE	"X'80'" AREA CURRENTLY DEFINED, SAME AS DCMAUSE
		.1..		UCMEPADD	"X'40'" TRACK IN AREA, SAME AS DCMADD

Comment

EQU X'3F' RESERVED

End of Comment

87	(57)	CHARACTER	8	UCMEPSNM	SYSTEM NAME USED FOR CHECKING IN A SYSPLEX
95	(5F)	CHARACTER	8	UCMEPCS	- SYSTEM NAME FOR COMMAND ASSOCIATION
103	(67)	BITSTRING	17	UCMEPGRP (0)	MONITOR & SWITCH INFORMATION
103	(67)	BITSTRING	1	UCMEPMNR	CONSOLE ATTRIBUTES
104	(68)	SIGNED	4	UCMEPSTC	SWITCHED TO CONSOLE ID
108	(6C)	SIGNED	4	UCMEPSFC	SWITCHED FROM CONSOLE ID
112	(70)	CHARACTER	8	UCMEPALG	ALTERNATE GROUP NAME
120	(78)	CHARACTER	40	UCMEPCKT	PACKET AREA
160	(A0)	CHARACTER	8	UCMEPSYS	SYSTEM VALUE ON CONSOLE
168	(A8)	ADDRESS	4	UCMEPSNL	ADDRESS OF CONSOLES SYSTEMS NAMES LIST
172	(AC)	CHARACTER	4	UCMETIOE	ADDRESS OF TIOT ENTRY FOR THIS CONSOLE
176	(B0)	CHARACTER	8	UCMEPTOK	PTOKEN OF CONSOLE DEVICE UCB

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
184	(B8)	BITSTRING	1	UCMEPROW	Number of rows on the screen
185	(B9)	BITSTRING	1	UCMEPCOL	Number of cols on the screen

Comment

SMCS Data - Fields starting with UCMEPS_ are unique to SMCS consoles.

End of Comment

186	(BA)	BITSTRING	1	UCMEPS_LUTYPE	
					SMCS LU Type Indicators
		1...		UCMEPS_LU0	"BIT0" Device supports LU 0
		..1.		UCMEPS_LU2	"BIT2" Device supports LU 2
187	(BB)	BITSTRING	1	UCMEPS_FLAGS	SMCS Flags
		1...		UCMEPS_CNSW_INVOKED	
					"BIT0" Console Switch has already been invoked for this console during close processing
		...1		UCMEPS_MID_OF_BRACKET	
					"BIT3" Initially, the device is in the middle of brackets
188	(BC)	ADDRESS	4	UCMEPS_VCBADR	
					SMCS VTAM Cntl Blk storage address
192	(C0)	SIGNED	4	UCMEPS_VCBLEN	
					SMCS VTAM Cntl Blk storage length
196	(C4)	ADDRESS	4	UCMEPS_NIB	SMCS NIB address
200	(C8)	ADDRESS	4	UCMEPS_EXLST	SMCS EXLST address
204	(CC)	ADDRESS	4	UCMEPS_LPAB_ADDR	
					SMCS Logon Processing Anchor Block
208	(D0)	SIGNED	4	UCMEPS_LPAB_LEN	
					SMCS Logon Processing Anchor Block
212	(D4)	CHARACTER	8	UCMEPS_LUNAME	
					SMCS LU Name
220	(DC)	CHARACTER	8	UCMEPS_LU_PREDEF	
					SMCS Predefined with this LU name
228	(E4)	CHARACTER	36	UCMEPS_BIND	SMCS Bind Parameters
264	(108)	ADDRESS	4	UCMEPS_SAVED_XB	
					Saved UCMXB address for SMCS cleanup routine
268	(10C)	SIGNED	4	UCMEPS_SAVED_TUL	
					Saved UCMEPTUL value for SMCS cleanup routine
272	(110)	CHARACTER	8		Reserved
272	(110)	X'118'	0	UCMEPLEN	"*-UCMEPEXT" - LENGTH OF A UCME PAGEABLE EXTENSION (MDC365)

UCM Cross Reference

Name	Hex Offset	Hex Value
MCSUCM	0	0
UCM	0	
UCMABUFF	45	10
UCMAECB	4	0
UCMAECBA	C	
UCMAF	18	80
UCMAHERE	21	20
UCMALTEN	2C	
UCMAMFA	44	8
UCMAMRF	45	0
UCMAMRFA	45	80
UCMAMRFC	45	8
UCMAMRFF	45	40
UCMAMRFR	45	2
UCMAMRMX	12E	1FDC
UCMASCB	118	
UCMATR	19	
UCMAT04	19	4

Name	Hex Offset	Hex Value
UCMAUTH	28	
UCMAUTHA	28	0
UCMAUTHB	29	0
UCMAUTH1	28	80
UCMAUTH2	28	40
UCMAUTH3	28	20
UCMBF	18	20
UCMBFEXT	F0	
UCMBMPFS	ED	50
UCMBRDST	15C	0
UCMCBID	140	E4C3D440
UCMCF	18	10
UCMCHKHG	F8	1E
UCMCMDPT	13C	
UCMCMDQR	134	
UCMCMID	58	0
UCMCOMPC	38	
UCMCONVP	130	

Name	Hex Offset	Hex Value
UCMCPFTA	B0	
UCMCQECP	154	0
UCMCTIC	44	80
UCMCTID	FA	0
UCMCUCME	84	
UCMDCB	8	
UCMDECB	C	
UCMDECBA	14	
UCMDEVA	3F	80
UCMDEVB	3F	40
UCMDEVC	3F	
UCMDEVCC	3F	20
UCMDEVD	3F	10
UCMDEVE	3F	8
UCMDEVF	3F	4
UCMDEVG	3F	2
UCMDIDCS	21	
UCMDIDL	58	
UCMDISP	2A	
UCMDISPA	2A	80
UCMDISPB	2A	40
UCMDISPC	2A	20
UCMDISPD	2A	10
UCMDISPE	2A	8
UCMDISPF	2A	4
UCMDISPG	2A	2
UCMDISPH	2A	1
UCMDISPI	2B	80
UCMDISPJ	2B	40
UCMDISPK	2B	20
UCMDISPL	2B	10
UCMDISPM	2B	8
UCMDISPN	2B	4
UCMDISPX	2B	2
UCMDISP1	2A	
UCMDISP2	2B	
UCMDOME	4C	
UCMDOMLE	54	
UCMDOMT	64	
UCMDUCBA	80	
UCMEALOG	1	8
UCMECB	0	
UCMECBFA	0	FA
UCMECBFB	0	FB
UCMECBFC	0	FC
UCMECBFD	0	FD
UCMECBFE	0	FE
UCMECBFF	0	FF
UCMECBF9	0	F9
UCMEDEVX	1B	
UCMEF_AUTOLOG_REQUIRED	0	1
UCMEF_LOGON_OPTIONAL	0	4
UCMEF_LOGON_REQUIRED	0	2
UCMEFAIL	21	8
UCMEFALG	1	20
UCMEFALL	1	4
UCMEFATT	2	
UCMEFAUT	13	10
UCMEFBUP	2C	
UCMEFCMQ	28	
UCMEFCN	C	
UCMEFCNC	C	
UCMEFCNM	34	
UCMEFCNN	E	
UCMEFCNR	D	
UCMEFCQE	30	
UCMEFCSA	15	40
UCMEFDVX	9	
UCMEFEXT	0	
UCMEFHCY	13	8
UCMEFLBC	A	4
UCMEFLCE	A	20
UCMEFLE	A	10
UCMEFLEN	5C	6C
UCMEFLGA	0	80
UCMEFLGB	0	40
UCMEFLGC	0	20
UCMEFLGD	0	10
UCMEFLGE	0	8
UCMEFLG1	0	
UCMEFLG2	1	
UCMEFLI	A	8
UCMEFLIA	A	40
UCMEFLOG	1	10
UCMEFLR	A	80
UCMEFLRQ	1	40
UCMEFLVL	A	
UCMEFL1	A	
UCMEFL2	B	
UCMEFL3	15	
UCMEFMSA	15	80
UCMEFMSC	13	
UCMEFMS3	13	20
UCMEFNSC	12	
UCMEFPAL	1	2
UCMEFPEX	4	
UCMEFPNS	14	
UCMEFRC	18	
UCMEFRV2	16	
UCMEFS_CID	58	
UCMEFS_CLSDST_QUERY_RPL	54	
UCMEFS_RCVRPL	50	
UCMEFS_SNDRPL	4C	
UCMEFSA1	3	
UCMEFSA2	8	
UCMEFSDL	3C	
UCMEFSEC	40	
UCMEFSTW	1	80
UCMEFUD	13	80
UCMEFUDO	13	40
UCMEFUID	44	
UCMEFUTM	10	
UCMEGCHG	21	80
UCMEIL	0	
UCMEMCLS	18	2
UCMEND	4C	0
UCMENFDM	9D	10
UCMENGUP	21	40
UCMENHR	28	40
UCMEPA	4C	
UCMEPADD	4C	40
UCMEPAID	8	
UCMEPAIN	C	80
UCMEPALG	70	

Name	Hex Offset	Hex Value
UCMEPALT	44	
UCMEPARD	1A	
UCMEPARE	1C	
UCMEPASY	C	10
UCMEPAUT	A	
UCMEPCKT	78	
UCMEPCOL	B9	
UCMEPCON	27	
UCMEPCS	5F	
UCMEPDEL	28	
UCMEPEDS	C	8
UCMEPEXT	0	
UCMEPFG1	C	
UCMEPFG4	F	
UCMEPFKM	18	
UCMEPFKT	10	
UCMEPFSY	2E	
UCMEPGRP	67	
UCMEPLEN	110	118
UCMEPMJ	D	80
UCMEPMNR	67	
UCMEPMON	D	
UCMEPMS	D	4
UCMEPMST	D	40
UCMEPMTM	D	2
UCMEPMTR	D	
UCMEPMT2	E	
UCMEPM02	D	20
UCMEPM03	D	10
UCMEPM04	D	8
UCMEPM07	D	1
UCMEPNME	0	
UCMEPPOB	C	20
UCMEPRBF	2F	
UCMEPRNM	2C	
UCMEPROW	B8	
UCMEPRTM	2A	
UCMEPS_BIND	E4	
UCMEPS_CNSW_INVOKED	BB	80
UCMEPS_EXLST	C8	
UCMEPS_FLAGS	BB	
UCMEPS_LPAB_ADDR	CC	
UCMEPS_LPAB_LEN	D0	
UCMEPS_LU_PREDEF	DC	
UCMEPS_LUNAME	D4	
UCMEPS_LUTYPE	BA	
UCMEPS_LU0	BA	80
UCMEPS_LU2	BA	20
UCMEPS_MID_OF_BRACKET	BB	10
UCMEPS_NIB	C4	
UCMEPS_SAVED_TUL	10C	
UCMEPS_SAVED_XB	108	
UCMEPS_VCBADR	BC	
UCMEPS_VCBLEN	C0	

Name	Hex Offset	Hex Value
UCMEPSEG	2D	
UCMEPSFC	6C	
UCMEPSNL	A8	
UCMEPSNM	57	
UCMEPSRC	34	
UCMEPSTC	68	
UCMEPSYS	A0	
UCMEPTFL	C	40
UCMEPTOK	B0	
UCMEPTUL	30	
UCMEPUSE	4C	80
UCMES_ACTVE	22	20
UCMES_ALLOC	22	40
UCMES_CLEANUP_IN_PROGRESS	22	10
UCMES_DEVICE_WAS_BUSY	22	4
UCMES_FLAGS	22	
UCMES_LOGOFF_IN_PROGRESS	22	8
UCMES_SMCS	22	80
UCMESIZE	4C	50
UCMETIOE	AC	
UCMEXSSI	45	4
UCMFAMRN	44	
UCMFAMRP	34	
UCMFAMRQ	34	
UCMFAMRS	4E	
UCMFATCN	24	
UCMFCAMQ	60	
UCMFCCEP	C4	
UCMFCLAD	EC	
UCMFCLRA	58	
UCMFCLTP	BC	
UCMFCLTS	C8	
UCMFCMDL	94	
UCMFCMIN	B	40
UCMFCMTP	AC	
UCMFCQSD	A	10
UCMFCSAA	14C	
UCMFCSAL	150	
UCMFCSTP	B8	
UCMFCSYN	E0	
UCMFCTCA	148	
UCMFCWKP	144	
UCMFDMPA	F0	
UCMFDSQN	70	
UCMFEAMQ	3C	
UCMFEBSZ	4F	
UCMFECBL	1C	
UCMFELEN	2C	
UCMFELST	30	
UCMFEQSD	A	20
UCMFEXTA	0	
UCMFEXTP	48	
UCMFE1ST	28	
UCMFFLG1	8	
UCMFFLG2	9	
UCMFFLG3	A	
UCMFHCDA	8C	
UCMFHCRT	74	
UCMFHCUD	1A	20
UCMFHOLD	B	10
UCMFHPRT	98	
UCMFIAMQ	38	

Name	Hex Offset	Hex Value
UCMFIBSZ	4C	
UCMFIQSD	A	40
UCMFLOGA	B	2
UCMFLOGR	B	4
UCMFLSTN	88	
UCMFMGFS	8	
UCMFMISC	B	
UCMFMIS2	1A	
UCMFMIS3	95	
UCMFMITP	C0	
UCMFMIX	1A	4
UCMFMLSS	1A	10
UCMFMPFP	54	
UCMFMSGA	8	40
UCMFMSGB	9	8
UCMFMSGC	9	2
UCMFMSGE	8	80
UCMFMSGN	8	20
UCMFMSG1	8	10
UCMFMSG2	8	8
UCMFMSG3	8	4
UCMFMSG4	8	2
UCMFMSG5	8	1
UCMFMSG6	9	80
UCMFMSG7	9	40
UCMFMSG8	9	20
UCMFMSG9	9	10
UCMFOLRP	D0	
UCMFOMD	CC	
UCMFPCMP	1A	2
UCMFPCOK	1A	80
UCMFPOMR	A8	
UCMFPPTR	4	
UCMFPUCM	114	
UCMFRACT	B	1
UCMFRCDA	D8	
UCMFRCT	D4	
UCMFRCTM	F4	
UCMFRMCP	40	
UCMFRQSD	A	80
UCMFRRAD	120	
UCMFRSVD	A	8
UCMFRSVE	A	4
UCMFRSVF	A	2
UCMFRSVG	A	1
UCMFRSVH	B	20
UCMFRSVI	F8	
UCMFRSV4	96	
UCMFRXAD	E8	
UCMFS_CPME	158	
UCMFS_CPME_CONTRACT_CELL_POOL		
	164	F9
UCMFS_CPME_EXPAND_CELL_POOL		
	164	FA
UCMFS_HT_ECB	15C	
UCMFS_HT_TERME		
	160	
UCMFS_TERME	154	
UCMFS_TERME_OK_2_CLOSE		
	164	FB
UCMFS_TERME_TPEND_HALT		
	164	FE
UCMFS_TERME_TPEND_HALT_CANCEL		
	164	FC
UCMFS_TERME_TPEND_HALT_QUICK		
	164	FD
UCMFSAVE	0	
UCMFSAVP	50	
UCMFSMTA	B4	
UCMFSNL	1B	
UCMFSRB	118	
UCMFSTAT	44	2
UCMFST2A	10C	
UCMFSUBA	90	
UCMFSVDM	6D	
UCMFSVLN	44	48
UCMFSV01	0	
UCMFSV02	4	
UCMFSV03	8	
UCMFSV04	C	
UCMFSV05	10	
UCMFSV06	14	
UCMFSV07	18	
UCMFSV08	1C	
UCMFSV09	20	
UCMFSV10	24	
UCMFSV11	28	
UCMFSV12	2C	
UCMFSV13	30	
UCMFSV14	34	
UCMFSV15	38	
UCMFSV16	3C	
UCMFSV17	40	
UCMFSV18	44	
UCMFSYID	6C	
UCMFSYNL	1A	8
UCMFSYNM	64	
UCMFTSWA	100	
UCMFUCMF	0	
UCMFUDTK	FC	
UCMFUD1	1A	40
UCMFUMPF	9	4
UCMFUTOK	C	
UCMFWCTA	108	
UCMFWQEC	104	
UCMFWQES	20	
UCMFWRID	B	80
UCMFWSVP	DC	
UCMFXAD	1D	
UCMFXBYT	1C	
UCMFXB0	1C	80
UCMFXECB	1C	
UCMF043D	84	
UCMF4RSV	B	8
UCMF440	1A	1
UCMF60OR	16	
UCMF60WQ	10	
UCMF606	110	
UCMF65BL	95	80
UCMF75MR	46	
UCMF80MR	48	
UCMF80OR	18	
UCMF80WQ	12	
UCMF85BL	95	40
UCMF95MR	4A	
UCMF95WQ	14	
UCMGENXP	5C	
UCMGLBCH	19	1
UCMHCENT	47	10
UCMHCUCM	5C	

Name	Hex Offset	Hex Value
UCMID	1A	
UCMIECBA	1C	
UCMIECBE	1C	80
UCMIECBF	1C	
UCMIECBP	1D	
UCMIF	19	40
UCMINCLR	19	2
UCMINTCB	148	
UCMINUSE	21	10
UCMJES3T	128	
UCMJ3CBS	9D	80
UCMJ3SAE	9D	40
UCMLECB	C	0
UCMLF	19	8
UCMLIST	0	
UCMLOGS	47	40
UCMLOGSW	61	40
UCMLSTP	14	
UCMMBEND	FC	
UCMMBPTR	E8	
UCMMCENT	0	
UCMMD202	47	20
UCMMD204	47	8
UCMMD205	47	4
UCMMD206	47	2
UCMMD207	47	1
UCMMFLG3	61	
UCMMFLG4	8C	
UCMMISCF	9D	
UCMMLAST	40	
UCMMNECB	D4	0
UCMMNTR	D0	
UCMMODE	44	
UCMMODE2	47	0
UCMMPFSN	144	
UCMMQEND	E0	
UCMMQNXT	E4	
UCMMQPTR	DC	
UCMMRSV2	61	20
UCMMRSV3	61	10
UCMMRSV4	61	8
UCMMRSV5	61	4
UCMMRSV6	61	2
UCMMRSV7	61	1
UCMMSG	3C	
UCMMSGA	3C	80
UCMMSGB	3C	40
UCMMSGD	3C	10
UCMMSGF	3C	4
UCMMSGG	3C	2
UCMMSG1	3C	
UCMMSG2	3D	
UCMMTSRP	164	
UCMNAME	10	
UCMNHOLD	9	1
UCMNIPD	62	
UCMNWTOP	168	
UCMOAOEN	30	
UCMOECB	8	0
UCMOECBA	10	
UCMOECBH	108	
UCMOECBT	10C	
UCMOF	19	80
UCMOGCE	44	4
UCMOPSA	8C	40
UCMOPSD	8C	10
UCMOPSEA	8C	8
UCMOPSEC	60	
UCMOPSEO	88	0
UCMOPSEP	98	
UCMOPSES	94	
UCMOPSET	90	
UCMOPSS	8C	80
UCMOPSV	8C	20
UCMOPS5	8C	4
UCMOPS6	8C	2
UCMOPS7	8C	1
UCMORECP	110	0
UCMOUTQ	24	
UCMOVRDE	47	80
UCMOWTOR	68	
UCMPAMRC	18	
UCMPAMRF	1C	
UCMPAMRI	D8	
UCMPAMRN	54	
UCMPAMRP	48	
UCMPAMRQ	48	
UCMPAMRR	20	
UCMPAMRS	14	
UCMPATCN	7C	
UCMPCAMQ	64	
UCMPCICP	B0	
UCMPCNEV	150	
UCMPCNXX	B4	
UCMPCQSD	56	10
UCMPCTRP	120	
UCMPCTSC	198	
UCMPDCDM	188	
UCMPDMMH	D0	
UCMPDMML	D0	
UCMPDMMS	D1	
UCMPDMSG	18C	
UCMPDMSH	E8	
UCMPDMSL	E9	
UCMPDMSN	E8	
UCMPDMUD	CC	
UCMPDMUH	CC	
UCMPDMUS	CD	
UCMPDM1	4	
UCMPEAMQ	50	
UCMPECBA	C4	
UCMPECBB	C8	
UCMPECBC	90	
UCMPECBD	F4	
UCMPECBE	130	
UCMPECBF	134	
UCMPECBM	3C	
UCMPECBU	144	
UCMPECBX	140	
UCMPECB1	40	
UCMPECB2	44	
UCMPECB3	8C	
UCMPECB4	A0	
UCMPECB5	A4	
UCMPECB6	A8	
UCMPECB7	B8	
UCMPECB8	C0	
UCMPECB9	9C	
UCMPECEV	154	
UCMPELEN	34	

Name	Hex Offset	Hex Value
UCMPELST	38	
UCMPEQSD	56	20
UCMPEXTA	0	
UCMPE1ST	30	
UCMPF	18	40
UCMPFLG1	60	
UCMPFPTR	E0	
UCMPFTOD	DC	
UCMPGECB	17C	
UCMPHCP	100	
UCMPHUNG	14C	
UCMPIAMQ	4C	
UCMPIQSD	56	40
UCMPIRQP	94	
UCMPLOCO	60	4
UCMPLOGL	118	
UCMPLT80	84	
UCMPL100	88	
UCMPMDEV	E4	
UCMPMDV1	E4	
UCMPMDV3	E5	
UCMPMEST	12C	
UCMPMFRR	128	
UCMPMMSM	82	
UCMPMPFD	24	
UCMPMPFM	11C	
UCMPMSYN	EC	
UCMPNCC	C	
UCMPNECB	98	
UCMPNMCC	8	
UCMPNOCC	110	
UCMPOREC	28	
UCMPORES	2C	
UCMPOWCP	244	
UCMPPART	BC	
UCMPPFKC	60	20
UCMPPFKM	62	
UCMPPFKT	78	
UCMPQWRR	58	
UCMPRACN	158	
UCMPRANM	15C	
UCMPRCCA	168	
UCMPRCLC	170	
UCMPRCNI	164	
UCMPRCPI	190	
UCMPRECB	178	
UCMPRFX	0	
UCMPRFXP	A4	
UCMPROUT	B6	
UCMPRQSD	56	80
UCMPRSVB	191	
UCMPRSVD	26C	
UCMPRSV1	AC	
UCMPRSV3	61	
UCMPRSV4	56	8
UCMPRSV5	56	4
UCMPRSV6	56	2
UCMPRSV7	56	1
UCMPRSV8	57	
UCMPRSV9	80	
UCMPRTHC	9C	4
UCMPRTQE	138	
UCMPRTQS	13C	
UCMPS_ACBADDR	1C4	
UCMPS_APPLID	1E1	
UCMPS_APPLID_AREA	1E0	
UCMPS_APPLID_INUSEBY_AREA	1E9	
UCMPS_APPLID_INUSEBY_LEN	1E9	
UCMPS_APPLID_INUSEBY_SYSTEM	1EA	
UCMPS_APPLID_LEN	1E0	
UCMPS_CB818_ADDR	250	
UCMPS_CB825_ADDR	24C	
UCMPS_CLNUP	1B8	
UCMPS_CLSEXIT	1C0	
UCMPS_DISPLAY_DSP_ADDR	228	
UCMPS_DISPLAY_DSP_NAME	220	
UCMPS_DOMID_APPLID	23C	
UCMPS_DOMID_GENERIC	238	
UCMPS_DOMID_IEE823E	264	
UCMPS_DOMID_WAIT_4_ACTIVATION	240	
UCMPS_EOT_ECB	208	
UCMPS_EXITLST	1C8	
UCMPS_EXLST_LEN	21C	
UCMPS_GENERIC_INUSEBY_SYSTEM	1FA	
UCMPS_GENRCID	1F2	
UCMPS_HT_SUBTASK_TCB	268	
UCMPS_LGLEXIT	1A8	
UCMPS_LGNEXIT	19C	
UCMPS_LPAB_RQ	204	
UCMPS_LSTEXIT	1AC	
UCMPS_MAINRTN_TCB	1DC	
UCMPS_MSTR_LU	20C	
UCMPS_NIB_LEN	218	
UCMPS_NIBADDR	1D0	
UCMPS_RCVEXIT	1BC	
UCMPS_RPL_LEN	214	
UCMPS_RSPEXIT	1B0	
UCMPS_SETLRPL		

Name	Hex Offset	Hex Value
	1CC	
UCMPS_SMCS_ACTIVE		
	26C	4
UCMPS_SMCS_CP_ADDR		
	260	
UCMPS_SMCS_INITIALIZING		
	26C	1
UCMPS_SMCS_NOT_ACTIVE		
	26C	0
UCMPS_SMCS_SHUTTING_DOWN		
	26C	5
UCMPS_SMCS_TERMINATING		
	26C	6
UCMPS_SMCS_WAIT_4_APPLID		
	26C	3
UCMPS_SMCS_WAIT_4_VTAM		
	26C	2
UCMPS_SNDEXIT		
	1B4	
UCMPS_STATUS	202	
UCMPS_SWCB_ADDR		
	254	
UCMPS_SWCS_ADDR		
	258	
UCMPS_SYMREC_ADDR		
	25C	
UCMPS_SYNEXIT		
	1A4	
UCMPS_TPDEXIT		
	1A0	
UCMPS_VCBADDR		
	1D4	
UCMPS_VCBLEN	1D8	
UCMPS_VM200_ADDR		
	248	
UCMPSNQB	56	
UCMPSTKN	F8	
UCMPSWCC	60	8
UCMPSWCH	60	10
UCMPSWCT	180	
UCMPSWRK	5C	
UCMPSYN	108	
UCMPTCBU	148	
UCMPTRDM	194	
UCMPUCMP	0	
UCMPUXIT	60	40
UCMPWERA	60	80
UCMPWQAB	184	
UCMPWQE	4	
UCMPWQES	10	
UCMPXA	40	
UCMPXB	44	
UCMPXITA	60	2
UCMPXTDF	60	1
UCMP7603	D4	
UCMQSCAN	138	
UCMRCT	44	
UCMREFSH	61	80
UCMRMAX	24	0
UCMRPYF	28	
UCMRPYF1	28	0
UCMRPYF2	29	0
UCMRPYIL	2A	0
UCMRPYIP	20	
UCMRPYL	4	0

Name	Hex Offset	Hex Value
UCMRPYLV	5C	0
UCMRPYQ	1C	
UCMRPY0I	28	80
UCMRP2AD	F4	
UCMRQLM	2C	0
UCMRQNR	38	0
UCMRSV0B	9D	2
UCMRSV0C	9D	1
UCMRSV08	9C	2
UCMRSV09	9C	1
UCMRSV15	3	0
UCMRSV19	28	10
UCMRSV20	28	8
UCMRSV21	28	4
UCMRSV22	28	2
UCMRSV23	28	1
UCMRSV27	3C	1
UCMRSV30	20	8
UCMRSV31	20	1
UCMRSV42	12C	0
UCMRSV43	12C	80
UCMRSV44	12C	40
UCMRSV45	12C	20
UCMRSV46	12C	10
UCMRSV47	12C	8
UCMRSV48	12C	4
UCMRSV49	12C	2
UCMRSV50	12C	1
UCMRSV51	12D	0
UCMRSV52	12D	80
UCMRSV53	12D	40
UCMRSV54	12D	20
UCMRSV55	12D	10
UCMRSV56	12D	8
UCMRSV57	12D	4
UCMRSV58	12D	2
UCMRSV59	12D	1
UCMRSV62	1	0
UCMRSV65	9E	0
UCMRSV67	15E	0
UCMRSV69	8D	
UCMRSV70	3C	20
UCMRSV71	3C	8
UCMRSV73	10	
UCMRSV74	14	
UCMRSV77	7C	0
UCMRSV78	45	20
UCMRSV81	45	1
UCMRSV85	2	0
UCMRSV86	23	
UCMRSV90	EC	0
UCMRTCT	2	0
UCMRV008	8	1
UCMRWCLE	1B	1D
UCMRWCLN	1B	1E
UCMR0MSG	160	0
UCMR9SV	CC	0
UCMS_FAILURE_STATUS		
	5D	0
UCMS_SMCS_ACTIVE		
	5D	80
UCMS_SMCS_CLOSING_ABNORMAL		
	5D	10
UCMS_SMCS_CLOSING_FAILURE		
	5D	8

Name	Hex Offset	Hex Value
UCMS_SMCS_CLOSING_NORMAL		
	5D	40
UCMS_SMCS_CLOSING_QUICK		
	5D	20
UCMS_SMCS_FAILED		
	5D	4
UCMS_SMCS_FAILED_NO_RETRY		
	5D	2
UCMS_VTAM_ACCESS_WAITTIME		
	5E	F1F5
UCMSAVE0	4	
UCMSAVE4	8C	0
UCMSBPTR	16C	
UCMSBR	4	
UCMSDS1	9C	
UCMSDS1A	9C	80
UCMSDS1B	9C	40
UCMSDS1C	9C	20
UCMSDS1D	9C	10
UCMSDS1E	9C	8
UCMSDS5	20	0
UCMSDS5A	20	80
UCMSDS5B	20	40
UCMSDS5C	20	20
UCMSDS5D	20	10
UCMSDS5F	20	4
UCMSDS5G	20	2
UCMSFLGS	54	
UCMSFLG1	54	
UCMSFLG2	55	
UCMSPLXQ	44	40
UCMSP13	46	1
UCMSP211	46	2
UCMSP220	46	3
UCMSP410	46	4
UCMSP420	46	5
UCMSP422	46	6
UCMSP440	46	7
UCMSP51X	46	8
UCMSSIBP	158	0
UCMSTRNM	6C	
UCMSTS	18	
UCMSVA0	4	0
UCMSVB0	8	0
UCMSVC0	C	0
UCMSVD0	10	0
UCMSVE0	14	0
UCMSVF0	18	0
UCMSVG0	1C	0
UCMSVH0	20	0
UCMSVI0	24	0
UCMSVJ0	28	0
UCMSVK0	2C	0
UCMSVL0	30	0
UCMSVM0	34	0
UCMSVN0	38	0
UCMSVO0	3C	0
UCMSVP0	40	0
UCMSVQ0	44	0
UCMSVR0	48	0
UCMSWCH	11C	
UCMSYPLX	44	10
UCMSYSB	54	40
UCMSYSC	54	20
UCMSYSD	54	10
UCMSYSE	54	8
UCMSYSF	54	4
UCMSYSG	54	2
UCMSYSH	54	1
UCMSYSHC	54	80
UCMSYSI	55	80
UCMSYSJ	55	40
UCMSYSK	55	20
UCMSYSL	55	10
UCMSYSM	55	8
UCMSYSN	55	4
UCMSYSO	55	2
UCMSYSP	55	1
UCMTA	18	8
UCMTB	18	4
UCMTC	18	1
UCMTPUTA	44	20
UCMTRECB	D8	0
UCMUCASZ	38	5E
UCMUCB	C	
UCMUECB	10	0
UCMUECBA	18	
UCMUF	19	10
UCMULGTH	3A	50
UCMUSIZE	38	50
UCMVDATA	48	
UCMVEA	48	
UCMVEL	50	
UCMVEZ	4C	
UCMVHRSN	3F	1
UCMVMPL	4C	
UCMVRID	46	8
UCMVRSN	46	
UCMVSTKN	64	
UCMVWTCB	14C	
UCMWAKUP	124	
UCMWDONE	9D	4
UCMWECBH	100	
UCMWECBT	104	
UCMWLAST	34	
UCMWQADA	150	
UCMWQCNT	30	
UCMWQECP	114	0
UCMWQEND	3C	0
UCMWQLM	2E	0
UCMWQLM1	EE	0
UCMWQNR	34	0
UCMWQRSV	30	0
UCMWTOQ	18	
UCMWTORT	56	0
UCMWTOX	50	
UCMWU100	9D	20
UCMWU400	9D	8
UCMXA	1A	
UCMXB	1C	
UCMXCT	60	0
UCMXECB	0	0
UCMXECBA	8	
UCMXF	19	20
UCMXOR	3E	0
UCMXSA	68	
UCM1SYS	44	1
UCM1WD	68	
UCM2DRCS	0	0
UCM2DSTR	8	10

Name	Hex Offset	Hex Value
UCM2DTAK	8	20
UCM2EXT	0	
UCM2FAIL	8	2
UCM2PST	4	
UCM2PTR	A0	
UCM2REC	8	4
UCM2SDWA	8	80
UCM2SENT	8	40
UCM2SFLG	8	0
UCM2STA	8	
UCM2STAA	9	
UCM2TOKN	C	0
UCM2WD	6C	
UCM2WTOI	8	8
UCM2540	1B	3
UCM2732E	1B	16
UCM2740	1B	4
UCM3WD	70	
UCM3160E	1B	18
UCM3180E	1B	17
UCM3211	1B	6
UCM3215	1B	7
UCM3270X	1B	15
UCM32772	1B	9
UCM32782	1B	B
UCM32783	1B	D
UCM32784	1B	E
UCM3284	1B	13
UCM3782A	1B	C
UCM3792A	1B	F
UCM3792B	1B	10
UCM3792C	1B	14
UCM3793A	1B	11
UCM3793B	1B	12
UCM4WD	74	
UCM4380E	1B	19
UCM5WD	78	
UCM5006E	1B	1C
UCM6WD	7C	
UCM6260E	1B	1B
UCM6280E	1B	1A

UPL Heading Information

Common Name: UCB Pointer List
Macro ID: IEFZB461
DSECT Name: UPL
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: UPL
Offset: 0
Length: 4
Storage Attributes: Subpool: 241
Key: 1
Residency: Above the 16M
Size: 16 bytes + 4 bytes for each UCB generated in the system
Created by: IEFAB4I1 (UPL Build routine)
Pointed to by: EDTUPLP field of the EDT data area (IEFZB421)
Serialization: Same as EDT
Function: This table contains the Unit Control Block (UCB) address for each device in the system. The entries are in the same order as the device numbers in the device number section of the Eligible Device Table (EDT).

UPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	UPL	UCB POINTER LIST
0	(0)	CHARACTER	16	UPLHDR	HEADER
0	(0)	CHARACTER	4	UPLID	'UPL '
4	(4)	SIGNED	4	UPLNO	NUMBER OF ENTRIES
8	(8)	SIGNED	4	UPLNUCBS	Number of tape and DA UCBs in the system. This is used by device allocation and initialized by IEFAB4I0.
12	(C)	CHARACTER	4	*	RESERVED
16	(10)	ADDRESS	4	UPLUCBA (*)	UCB ADDRESSES

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URLB Heading Information

Common Name: URLB - Unconditional Reserve block
Macro ID: IOSDURLB
DSECT Name: URLB
Owning Component: IOS (SC1C3)
Eye-Catcher ID: URLB
Offset: 0
Length: 4
Storage Attributes: Subpool: 245
Key: 0
Size: 1557 bytes
Created by: IOSVURVL
Pointed to by: N/A
Serialization: N/A
Function: This macro describes the layout of the unconditional reserve processing work area obtained from Subpool 245 in module IOSVURVL.

URLB Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	1501	URLB	URLB block
0	(0)	CHARACTER	24	*	
0	(0)	CHARACTER	4	URLBID	U/R ID - 'URLB'
4	(4)	CHARACTER	4	URLBCHNF	Chain field
8	(8)	CHARACTER	2	URLBDEVN	Device number undergoing U/R (UCBCHAN value)

Comment

U/R - Processing Flags

End of Comment

10	(A)	CHARACTER	2	URLBFLGS	U/R processing flags
10	(A)	BITSTRING	1	URLBFLG1	Flag byte 1
		1...		URLBRENT	1 - Not first entry in IOSVURDT for this U/R processing
		.1..		URLBDET	Detection processing complete in IOSVURDT
		..11 11..		*	Reserved
		.... ..1.		URLBRACW	Reset allegiance CCW supported
		1		URLBURCW	UR CCW supported
11	(B)	BITSTRING	1	URLBFLG2	Flag byte 2
		1...		URLBURDT	IOSVURDT entered
		.1..		URLBMSLG	IOSVMSLG entered
		..1.		URLBURS1	
		...1 1111		*	Reserved

Comment

U/R - Subpool number and length of U/R work area

End of Comment

12	(C)	UNSIGNED	2	URLBSUBP	Subpool number
14	(E)	UNSIGNED	2	URLBLNTH	U/R work area length

Comment

U/R - Miscellanous processing flags and counts

End of Comment

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Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
16	(10)	CHARACTER	4	*	
16	(10)	BITSTRING	1	URLBDTCT	Count of IECVPST entries
17	(11)	BITSTRING	1	URLBFLG3	Flag byte 3 - reserved
18	(12)	BITSTRING	1	URLBFLG4	Flag byte 4 - reserved
19	(13)	BITSTRING	1	URLBFLG5	Flag byte 5 - reserved
20	(14)	CHARACTER	4	*	Reserved

Comment

U/R CCWs --- Must be on double word boundary
Sense , SNID and RSTA Commands

End of Comment

24	(18)	CHARACTER	8	*	
24	(18)	CHARACTER	8	URLBSCCW	

Comment

U/R - URVL and URSV parameter areas

End of Comment

32	(20)	CHARACTER	40	*	
32	(20)	CHARACTER	8	URLBURVL	Callers URVL parameter area save area
40	(28)	CHARACTER	32	URLBURSV	URSV Parameter area for recovery action communication

Comment

U/R - SRB, IOSB and channel program.

End of Comment

72	(48)	CHARACTER	152	*	
72	(48)	CHARACTER	44	URLBSRB	SRB
116	(74)	CHARACTER	108	URLBIOSB	IOSB

Comment

U/R - Command code read area

End of Comment

224	(E0)	CHARACTER	32	*	
224	(E0)	CHARACTER	32	URLBRSTD	

Comment

U/R - FRR parmaeter area save areas

End of Comment

256	(100)	CHARACTER	24	*	
256	(100)	CHARACTER	24	URLBFRRU	Used by IOSVURDT to save the FRR parameter list when calling IOS services. The IOS services will do an FRR replace when they receive control.

Comment

U/R - IOS Service Call parameter areas

End of Comment

280	(118)	CHARACTER	156	*	
280	(118)	CHARACTER	32	URLBRESV	RESV parameter area for IOSRRRSV
312	(138)	CHARACTER	52	URLBRESS	RESS parameter area for IOSRRRSV
364	(16C)	CHARACTER	60	URLBDBOX	DBOX parameter area for IOSRDBOX
424	(1A8)	CHARACTER	12	URLBSNID	SNID data area

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
U/R - Register 13 and 14 save areas					
				End of Comment	
436	(1B4)	CHARACTER	24	*	
436	(1B4)	ADDRESS	4	URLBS13A	Register 13 save area
440	(1B8)	ADDRESS	4	URLBS13B	Register 13 save area
444	(1BC)	ADDRESS	4	URLBS14A	Register 14 save area
448	(1C0)	ADDRESS	4	URLBS14B	Register 14 save area
452	(1C4)	ADDRESS	4	URLBS14C	Register 14 save area
456	(1C8)	ADDRESS	4	URLBS14D	Register 14 save area
				Comment	
U/R - 18 word save areas					
				End of Comment	
460	(1CC)	CHARACTER	288	*	
460	(1CC)	CHARACTER	72	URLBSA1	18 word save area #1
532	(214)	CHARACTER	72	URLBSA2	18 word save area #2
604	(25C)	CHARACTER	72	URLBSA3	18 word save area #3
676	(2A4)	CHARACTER	72	URLBSA4	18 word save area #4
				Comment	
U/R - IOSVURDT module work area					
				End of Comment	
748	(2EC)	CHARACTER	128	URLBWORK	Work area
				Comment	
U/R - IOSVMSLG module work area and message buffer.					
				End of Comment	
876	(36C)	CHARACTER	420	URLBMSGW	Work area
				Comment	
U/R - IOS Component Trace Work Area					
				End of Comment	
1296	(510)	CHARACTER	128	URLBCTWK	Work area
				Comment	
U/R - PIN information area.					
				End of Comment	
1424	(590)	ADDRESS	4	URLBPINR	Return value for pin/unpin subroutines
1428	(594)	CHARACTER	72	URLBPINI	UCB pin information area
1428	(594)	CHARACTER	58	URLBPTXT	UCB pin text
1486	(5CE)	CHARACTER	8	URLBPTOK	UCB pin token
1494	(5D6)	CHARACTER	5	URLBPCMP	Component ID
1499	(5DB)	BITSTRING	1	URLBPFLG	PIN flags
1500	(5DC)	1...		URLBPIND	UCB is pinned

URLB Constants

Len	Type	Value	Name	Description
Comment				
U/R - PIN constan area.				
End of Comment				
4	DECIMAL	58	URLBPTLN	Length of pin text

URLB Cross Reference

Name	Hex Offset	Hex Value
URLB	0	
URLBCHNF	4	
URLBCTWK	510	
URLBDBOX	16C	
URLBDET	A	40
URLBDEVN	8	
URLBDTCT	10	
URLBFLGS	A	
URLBFLG1	A	
URLBFLG2	B	
URLBFLG3	11	
URLBFLG4	12	
URLBFLG5	13	
URLBFRRU	100	
URLBID	0	
URLBIOSB	74	
URLBLNTH	E	
URLBMSGW	36C	
URLBMSLG	B	40
URLBPCMP	5D6	
URLBPFLG	5DB	
URLBPIND	5DC	80
URLBPINI	594	
URLBPINR	590	
URLBPTOK	5CE	
URLBPTXT	594	
URLBRACW	A	02
URLBRENT	A	80
URLBRESS	138	
URLBRESV	118	
URLBRSTD	E0	
URLBSA1	1CC	
URLBSA2	214	
URLBSA3	25C	
URLBSA4	2A4	
URLBSCCW	18	
URLBSNID	1A8	
URLBSRB	48	
URLBSUBP	C	
URLBS13A	1B4	
URLBS13B	1B8	
URLBS14A	1BC	
URLBS14B	1C0	
URLBS14C	1C4	
URLBS14D	1C8	
URLBURCW	A	01
URLBURDT	B	80
URLBURSV	28	
URLBURS1	B	20
URLBURVL	20	
URLBWORK	2EC	

UXPARMA Programming Interface Information

Programming Interface Information

UXPARMA

End of Programming Interface Information

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UXPARMA Heading Information

Common Name: Volume ENQ User Exit Communications Area
Macro ID: IEFZB478
DSECT Name: UXPARMA, VOLTABLE
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: UXPARMA
Offset: 0
Length: 7
Storage Attributes: Virtual Storage: Yes
Subpool: 230
Key: 1
Size: 52 bytes
Created by: IEFAB421
Pointed to by: None
Serialization: None
Function: Provides data shared by module IEFAB421 and the Volume ENQ user exit routine.

UXPARMA Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UXPARMA	User exit parameter list
0	(0)	CHARACTER	7	PARMSAID	Identifier 'UXPARMA' acronym
7	(7)	BITSTRING	1	PARMSAVE	Version number
8	(8)	CHARACTER	8	JOBNAME	Job name
16	(10)	CHARACTER	8	STEPNAME	Step name
24	(18)	ADDRESS	4	UXVOLPTR	Pointer to the VOLSER table for the user exit
28	(1C)	BITSTRING	1	ACTION	User exit action flag
29	(1D)	CHARACTER	23		Reserved for IBM use

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	VOLTABLE	VOLSER table, pointed to by UXVOLPTR
0	(0)	CHARACTER	2	VOLHEADR (0)	Table header
0	(0)	SIGNED	2	VOLENTRY	Number of entries in the table
2	(2)	CHARACTER	6	VOLSERNO	Array of VOLSER numbers

Comment

Possible ACTION values:

End of Comment

1...		CANCELJB	"X'80'" Cancel the job
.1..		ISSUWTOR	"X'40'" Issue a WTOR
.... 1...		WAITVOLU	"X'08'" Wait for volume(s)
....		DEFAULTS	"X'00'" Use PARMLIB default

Comment

Constants Declaration

End of Comment

2	(2)	X'1'	0	PAMSAVEC	"1" Version number

UXPARMA Cross Reference

Name	Hex Offset	Hex Value
ACTION	1C	
CANCELJB	2	80
DEFAULTS	2	0
ISSUWTOR	2	40
JOBNAME	8	
PAMSAVEC	2	1
PARMSAID	0	
PARMSAVE	7	
STEPNAME	10	
UXPARMA	0	
UXVOLPTR	18	
VOLENTRY	0	
VOLHEADR	0	
VOLSERNO	2	
VOLTABLE	0	
WAITVOLU	2	8

UXPARMB Programming Interface information

Programming Interface information

UXPARMB

End of Programming Interface information

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UXPARMB Heading Information

Common Name: Volume Mount User Exit Communication Area
Macro ID: IEFZB479
DSECT Name: UXPARMB
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: UXPARMB
Offset: 0
Length: 7
Storage Attributes: Subpool: 230
Key: Key 1
Residency: Any
Size: 108 Bytes
Created by: IEFAB493
Pointed to by: Upon entry to the Volume Mount User Exit General Purpose Register 1 points to a Parameter List which points at UXPARMB.
Serialization: None
Function: Provides data shared by module IEFAB493 and the Volume Mount user exit routine.

UXPARMB Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UXPARMB	User exit parameter list
0	(0)	CHARACTER	7	PARMSBID	Identifier 'UXPARMB' acronym
7	(7)	BITSTRING	1	PARMSBVE	Version number
8	(8)	CHARACTER	8	JOBNAME	Job name
16	(10)	CHARACTER	8	STEPNAME	Step name
24	(18)	CHARACTER	8	DDNAME	DD name
32	(20)	CHARACTER	44	DSNAME	Data set name
76	(4C)	CHARACTER	6	VOLSER	VOLSER number
82	(52)	CHARACTER	4	DEVNUM	Device number
86	(56)	BITSTRING	1	FLAGS	Tape label flag Only valid if the VOLSER field is blank
87	(57)	BITSTRING	1	ACTION	User exit action flag
88	(58)	BITSTRING	2	CONCATNO	DD concatenation number
90	(5A)	CHARACTER	18		Reserved for IBM use

Comment

Possible ACTION values:

End of Comment

1...	CANCELJB	"X'80'" Cancel the job
.1..	ISSUWTOR	"X'40'" Issue a WTOR
....	DEFAULTS	"X'00'" Use PARMLIB default

Comment

Possible FLAGS values:

End of Comment

1...	LABELSL	"X'80'" Standard label
.1..	LABELAL	"X'40'" ASCI Label
..1.	LABELNL	"X'20'" No label
...1	LABELNSL	"X'10'" Non-standard label

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
Constants Declaration					
				End of Comment	
90	(5A)	X'3'	0	PAMSBVEC	"3" Version number

UXPARMB Cross Reference

Name	Hex Offset	Hex Value
ACTION	57	
CANCELJB	5A	80
CONCATNO	58	
DDNAME	18	
DEFAULTS	5A	0
DEVNUM	52	
DSNAME	20	
FLAGS	56	
ISSUWTOR	5A	40
JOBNAME	8	
LABELAL	5A	40
LABELNL	5A	20
LABELNSL	5A	10
LABELSL	5A	80
PAMSBVEC	5A	3
PARMSBID	0	
PARMSBVE	7	
STEPNAME	10	
UXPARMB	0	
VOLSER	4C	

UXPARMC Programming Interface information

Programming Interface information

UXPARMC

End of Programming Interface information

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UXPARMC Heading Information

Common Name: Specific Wait User Exit Communication Area
Macro ID: IEFZB480
DSECT Name: UXPARMC
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: UXPARMC
Offset: 0
Length: 7
Storage Attributes: Subpool: 230
Key: Key 1
Residency: Any
Size: 108 Bytes
Created by: IEFAB487
Pointed to by: Upon entry to the Specific Wait User Exit General Purpose Register 1 points to a Parameter List that points to UXPARMC
Serialization: None
Function: Provides data shared by module IEFAB487 and the Specific Wait user exit routine.

UXPARMC Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UXPARMC	User exit parameter list
0	(0)	CHARACTER	7	PARMSCID	Identifier 'UXPARMC' acronym
7	(7)	BITSTRING	1	PARMSCVE	Version number
8	(8)	CHARACTER	8	JOBNAME	Job name
16	(10)	CHARACTER	8	STEPNAME	Step name
24	(18)	CHARACTER	8	DDNAME	DD name
32	(20)	CHARACTER	44	DSNAME	Data set name
76	(4C)	CHARACTER	6	VOLSER	VOLSER number
82	(52)	CHARACTER	4	DEVNUM	Device number
86	(56)	BITSTRING	1	FLAGS	Input information flag
87	(57)	BITSTRING	1	ACTION	User exit action flag
88	(58)	BITSTRING	1	WAITNOHC	Current 'WAIT NOHOLD' count
89	(59)	CHARACTER	1		Reserved for IBM use
90	(5A)	BITSTRING	2	CONCATNO	DD concatenation number
92	(5C)	CHARACTER	16		Reserved for IBM use

Comment

Possible ACTION values:

End of Comment

1...	CANCELJB	"X'80'" Cancel the job
.1..	ISSUWTOR	"X'40'" Issue a WTOR
..1.	WAITNHLD	"X'20'" Wait w/o holding resources
...1	WAITHOLD	"X'10'" Wait holding resources
....	DEFAULTS	"X'00'" Use PARMLIB default

Comment

Possible FLAGS values:

End of Comment

11..	DEVNVOL	"X'C0'" Both device and VOLSER are passed to the user exit.
1...	DEVONLY	"X'80'" Only device is passed to the user exit.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Constants Declaration					
End of Comment					
92	(5C)	X'3'	0	PAMSCVEC	"3" Version number

UXPARMC Cross Reference

Name	Hex Offset	Hex Value
ACTION	57	
CANCELJB	5C	80
CONCATNO	5A	
DDNAME	18	
DEFAULTS	5C	0
DEVNUM	52	
DEVNVOL	5C	C0
DEVONLY	5C	80
DSNAME	20	
FLAGS	56	
ISSUWTOR	5C	40
JOBNAME	8	
PAMSCVEC	5C	3
PARMSCID	0	
PARMSCVE	7	
STEPNAME	10	
UXPARMC	0	
VOLSER	4C	
WAITHOLD	5C	10
WAITNHLD	5C	20
WAITNOHC	58	

UXPARMD Programming Interface information

Programming Interface information

UXPARMD

End of Programming Interface information

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UXPARMD Heading Information

Common Name: Offline Devices User Exit Communication Area
Macro ID: IEFZB481
DSECT Name: UXPARMD, UXVOLTBL, UXOFLTBL
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: UXPARMD
Offset: 0
Length: 7
Storage Attributes: Subpool: 230
Key: Key 1
Residency: Any
Size: (116 Bytes - UXPARMD) + (2 + 6 * number of volsers - UXVOLTBL) + (4 + 12 * number of devices - UXOFLTBL)
Created by: IEFAB48A
Pointed to by: Upon entry to the Allocated/Offline Device Installation Exit General Purpose Register 1 points to a parameter list that points to UXPARMD
Serialization: None
Function: Provides data shared by Allocation and the Allocated/Offline Installation Exit Routine.

UXPARMD Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	UXPARMD	User exit parameter list
0	(0)	CHARACTER	7	PARMSDID	Identifier 'UXPARMD' acronym
7	(7)	BITSTRING	1	PARMSDVE	Version number
8	(8)	CHARACTER	8	JOBNAME	Job name
16	(10)	CHARACTER	8	STEPNAME	Step name
24	(18)	CHARACTER	8	DDNAME	DD name
32	(20)	CHARACTER	44	DSNAME	Data set name
76	(4C)	ADDRESS	4	UXVOLPTR	Pointer to the VOLSER table for the user exit
80	(50)	SIGNED	4	SCRATCH#	Total number of non-specific scratch volumes needed
84	(54)	SIGNED	4	PRIVATE#	Total number of non-specific private volumes needed
88	(58)	ADDRESS	4	UXOFLPTR	Pointer to the offline device table for the user exit
92	(5C)	BITSTRING	1	FLAGS	Allocation option flag
93	(5D)	BITSTRING	1	ACTION	User exit action flag
94	(5E)	BITSTRING	1	WAITNOHC	Current 'WAIT NOHOLD' count
95	(5F)	BITSTRING	1	UXLBSTAT	Library status

Comment

Removed UXLXCLUD since there is only one library to work with

End of Comment

		.... 1...		UXLONLIN	"X'08'" Library is online
		.... .1..		UXLOFFLN	"X'04'" Library is offline
		.... ..1.		UXLPOFFL	"X'02'" Library is pending offline
96	(60)	CHARACTER	8	UXLBNAME	Library name
104	(68)	BITSTRING	2	CONCATNO	DD concatenation number
106	(6A)	BITSTRING	4	UXDVINFO (0)	
106	(6A)	BITSTRING	2		Reserved for IBM use
108	(6C)	BITSTRING	1	UXDEVCL	Device class
		1...		UXTAPE	"X'80'" Tape device
		.1..		UXCOMM	"X'40'" Communications device
		..1.		UXDACC	"X'20'" Direct access device

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		UXDISP	"X'10'" Graphics display device
		.... 1...		UXUREC	"X'08'" Unit record device
		.... .1..		UXCHAR	"X'04'" Character reader device
109	(6D)	BITSTRING	1		Reserved for IBM use
110	(6E)	CHARACTER	6		Reserved for IBM use

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UXVOLTBL	VOLSER table for the user exit pointed to by UXVOLPTR
0	(0)	CHARACTER	2	UXVHEADR (0)	Table header
0	(0)	SIGNED	2	UXVENTNO	Number of entries in the table
2	(2)	CHARACTER	6	UXVOLSER	Array of VOLSER numbers

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UXOFLTBL	Offline device table for the user exit, pointed to by UXOFLPTR
0	(0)	CHARACTER	4	UXOHEADR (0)	Table header
0	(0)	SIGNED	4	UXOENTNO	Number of entries in the table
4	(4)	CHARACTER	12	UXOENTRY (0)	Table entry
4	(4)	CHARACTER	4	UXODEVNO	Offline device number (4-byte) 2
8	(8)	BITSTRING	1	UXSTATUS	Offline status
		1...		UXONLINE	"X'80'" Bring device online
		.1..		UXEXCLUD	"X'40'" Exclude the device on the WTOR
		...1		UXVCOFFL	"X'10'" Varied offline by the configuration manager
		.... 1...		UXOFFLNE	"X'08'" Varied offline device
		.... .1..		UXNOTACC	"X'04'" Non-accessible device
		.... ..1.		UXPENDNG	"X'02'" Pending offline device
		1		UXVLOFFL	"X'01'" Varied library offline device
9	(9)	CHARACTER	1		Reserved
10	(A)	CHARACTER	6	UXOVLSER	Pending offline device volser (6-byte)

Comment

Possible ACTION values:

End of Comment

1...		CANCELJB	"X'80'" Cancel the job
.1..		ISSUWTOR	"X'40'" Issue a WTOR
..1.		WAITNHLD	"X'20'" Wait w/o holding resources
...1		WAITHOLD	"X'10'" Wait holding resources
.... 1...		BDONLINE	"X'08'" Bring offline devices online or allocate a device in pending offline status without bringing it online
....		DEFAULTS	"X'00'" Use PARMLIB default

Comment

Possible FLAGS values:

End of Comment

1...		OKTOWAIT	"X'80'" OK to wait
.1..		OKONLINE	"X'40'" OK to bring offline device online or allocate device in pending offline status without bringing it online
..1.		REPEATCL	"X'20'" Repeated user exit call for the same request
...1		LBREQIND	"X'10'" Request is a library request

Comment

Constants Declaration

End of Comment

10	(A)	X'3'	0	PAMSDVEC	"3" Version number

UXPARMD Cross Reference

Name	Hex Offset	Hex Value
ACTION	5D	
BDONLINE	A	8
CANCELJB	A	80
CONCATNO	68	
DDNAME	18	
DEFAULTS	A	0
DSNAME	20	
FLAGS	5C	
ISSUWTOR	A	40
JOBNAME	8	
LBREQIND	A	10
OKONLINE	A	40
OKTOWAIT	A	80
PAMSDVEC	A	3
PARMSDID	0	
PARMSDVE	7	
PRIVATE#	54	
REPEATCL	A	20
SCRATCH#	50	
STEPNAME	10	
UXCHAR	6C	4
UXCOMM	6C	40
UXDACC	6C	20
UXDEVCL	6C	
UXDISP	6C	10
UXDVINFO	6A	
UXEXCLUD	8	40
UXLBNAME	60	
UXLBSTAT	5F	
UXLOFFLN	5F	4
UXLONLIN	5F	8
UXLPOFFL	5F	2
UXNOTACC	8	4
UXODEVNO	4	
UXOENTNO	0	
UXOENTRY	4	
UXOFFLNE	8	8
UXOFLPTR	58	
UXOFLTBL	0	
UXOHEADR	0	
UXONLINE	8	80
UXOVLSER	A	
UXPARMD	0	
UXPENDNG	8	2
UXSTATUS	8	
UXTAPE	6C	80
UXUREC	6C	8
UXVCOFFL	8	10
UXVENTNO	0	
UXVHEADR	0	
UXVLOFFL	8	1
UXVOLPTR	4C	
UXVOLSER	2	
UXVOLTBL	0	
WAITHOLD	A	10
WAITNHLD	A	20
WAITNOHC	5E	

VAT Heading Information

Common Name: Virtual Address Table
Macro ID: IEFZB611
DSECT Name: VATENTRY
Owning Component: Scheduler Restart (SC1B3)
Storage Attributes: Subpool: 0
Key: 1
Size: 816 bytes
Created by: IEFXB602
Pointed to by: JSCBVATA in active JSCB
Serialization: None
Function: This control block contains address and ID information on SWA control blocks built during interpretation phase. This data is used to merge information from the job journal during an automatic restart or system restart.

VAT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	816	VAT	VIRTUAL ADDRESS TABLE
0	(0)	ADDRESS	4	VATX	CHAIN PTR. TO VAT EXTENSION
4	(4)	ADDRESS	4	VATBPTR	PTR. TO PREVIOUS EXTENSION
8	(8)	CHARACTER	4	VATSER	SERIALIZATION WORD
8	(8)	ADDRESS	1	VATNO	NO. OF LAST ENTRY USED
9	(9)	BITSTRING	1	VATFLG1	FLAGS
		1...		VATXA	SWA BLOCKS FOR THIS JOB MAY RESIDE ABOVE THE LINE (IF ON)
		.1..		VATSUFX	SUFFIX PRESENT FOR THIS VAT EXTENT
		..1.		VATCELL	VAT BLOCK OBTAINED FROM CELL POOL
		...1 1111		*	RESERVED
10	(A)	CHARACTER	2	*	RESERVED
12	(C)	CHARACTER	14	VATENTRY (56)	VAT ENTRY
12	(C)	SIGNED	4	VATRBN	RELATIVE BLOCK NUMBER
16	(10)	ADDRESS	4	VATOVA	OLD VIRTUAL ADDR FIELD
16	(10)	ADDRESS	3	VATROVA	OLD VIRTUAL ADDRESS
19	(13)	CHARACTER	1	*	UNUSED
20	(14)	ADDRESS	4	VATNVA	NEW VIRTUAL ADDR FIELD
20	(14)	ADDRESS	3	VATRNVA	NEW VIRTUAL ADDRESS
23	(17)	CHARACTER	1	*	UNUSED
24	(18)	CHARACTER	1	VATBLKID	CONTROL BLOCK ID
25	(19)	BITSTRING	1	VATMSW	MERGE SWITCHES
		1...		VATNUPDT	DO NOT UPDATE BLOCK
		.1..		VATDYNAM	ENTRY FOR DYNAMIC BLOCK
		..1.		VATLMODE	ON--LOCATE MODE ENTRY
		...1 1111		*	UNUSED
796	(31C)	CHARACTER	20	VATSUFIX	OPTIONAL SUFFIX
796	(31C)	SIGNED	4	VATCPID	VAT CELL POOL ID
800	(320)	SIGNED	4	VATJCLV	JCL LEVEL INDICATOR FROM JCTXJCLV
804	(324)	UNSIGNED	1	VATVERS	SWA LEVEL INDICATOR FROM JCTXVERS
805	(325)	CHARACTER	3	*	UNUSED
808	(328)	CHARACTER	8	VATJDVT	JDVT NAME FROM JCTXJVTN
816	(330)	CHARACTER	0	VATEND	END OF MAPPING

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VAT Constants

Len	Type	Value	Name	Description
4	DECIMAL	56	VATMAXSZ	DIMENSION OF VATENTRY ARRAY

VAT Cross Reference

Name	Hex Offset	Hex Value
VAT	0	
VATBLKID	18	
VATBPTR	4	
VATCELL	9	20
VATCPID	31C	
VATDYNAM	19	40
VATEND	330	
VATENTRY	C	
VATFLG1	9	
VATJCLV	320	
VATJDVT	328	
VATLMODE	19	20
VATMSW	19	
VATNO	8	
VATNUPDT	19	80
VATNVA	14	
VATOVA	10	
VATRBN	C	
VATRNVA	14	
VATROVA	10	
VATSER	8	
VATSUFIX	31C	
VATSUFX	9	40
VATVERS	324	
VATX	0	
VATXA	9	80

VCB Heading Information

Common Name: VIO Control Block
Macro ID: IHAVCB
DSECT Name: VCB
Owning Component: Real Storage Manager (SC1CR)
Eye-Catcher ID: None
Storage Attributes: Virtual Storage: yes
Subpool: USER SPECIFIED.
Key: 0.
Residency: below 16 megabytes in real storage
Size: 28 bytes
Created by: User
Pointed to by: Register 1 (input to VIO processing), VCBLINK
Serialization: Local lock
Function: Describes a VIO function to be performed on a VIO window page.

VCB Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	28	VCB	
0	(0)	ADDRESS	4	VCBLINK	VIRTUAL ADDR OF NEXT VCB IN A CHAINED REQUEST
4	(4)	ADDRESS	4	VCBVSA	VIRTUAL ADDR. OF A PAGE IN THE VIO WINDOW. THE PAGE IS THE SOURCE PAGE FOR A MOVE-OUT OR THE TARGET PAGE FOR AN ASSIGN.
8	(8)	CHARACTER	8	VCBLPID	THE LPID OF THE VIO DATA SET PAGE.
16	(10)	ADDRESS	4	VCBRUARG	VIO REUSE ARGUMENT. RSM RETURNS THIS ADDRESS TO VBP ON A MOVEOUT IF VBP SUPPLIED A RECLAIM IDENTIFIER (DSPID). VBP CAN THEM PASS THE ADDRESS BACK TO RSM ON A SUBSEQUENT ASSIGN FOR THE SAME PAGE TO ATTEMPT RECLAIM (REUSE).
16	(10)	ADDRESS	4	VCBPFTE	VIRTUAL ADDRESS OF THE PFTE FOR THE REAL STORAGE FRAME LAST OCCUPIED BY THE VIO WINDOW PAGE
16	(10)	ADDRESS	4	VCBESTE	VIRTUAL ADDRESS OF THE ESTE FOR THE EXPANDED STORAGE FRAME LAST OCCUPIED BY THE VIO WINDOW PAGE
20	(14)	UNSIGNED	4	VCBDSPID	DATA SET PAGE RECLAIM (REUSE) IDENTIFIER.
24	(18)	BITSTRING	1	VCBOPFLG	OPERATION FLAGS
		1...		VCBMVOUT	WHEN 1, A MOVE-OUT IS REQUESTED.
		.1..		VCBVF	REQUESTOR IS VIRTUAL FETCH
		..1.		VCBASIGN	WHEN 1, AN ASSIGN IS REQUESTED
		...1		VCBRSV5	RESERVED
		.... 1...		VCBNDISC	REQUESTS THAT THE VIO PAGE SHOULD NOT BE DISCONNECTED FROM ITS WINDOW LOCATION AFTER MOVEOUT OPERATION IS COMPLETE.
		.... .1..		VCBNOLD	IF 1, A PAGE LOAD WILL NOT BE DONE UPON COMPLETION OF THE ASSIGN FUNCTION. VALID ONLY IF VCBASIGN=1.
		.... .1..		VCBLOAD	OLD NAME FOR COMPATIBILITY
		.... ..1.		VCBRSV2	RESERVED
		1		VCBRSV3	RESERVED
25	(19)	BITSTRING	1	VCBCPFLG	COMPLETION FLAGS
		1...		VCBNOVAC	IF VCBASIGN=1 AND THE PGTE FOR VCBVSA IS NOT ZERO, AN ERROR HAS OCCURRED. DISCONNECT MOVEOUT SHOULD HAVE BEEN REQUESTED FOR THE VSA BEFORE ISSUING THE ASSIGN REQUEST.

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VCB Cross Reference

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.1..		VCBINVSA	VCBVSA DOES NOT CONTAIN A VALID VSA.
		..1.		VCBELPID	ON A MOVEOUT REQUEST, EITHER THE LPID SUPPLIED IN THE VCB DOES NOT MATCH THE LPID IN THE XPTE, OR ASM COULD NOT SUCCESSFULLY START A PAGEOUT OR TRANSFER-PAGE OPERATION FOR THIS PAGE.
		...1		VCBNOAUX	FOR A MOVE-OUT, NO AUX. STORAGE EXISTED OR WAS CREATED AND NO REAL STORAGE EXISTED FROM WHICH TO PAGE-OUT.
		.... 1...		VCBEFIX	MOVE-OUT REQUESTED FOR A FIXED OR BAD PAGE.
		.... .1..		*	RESERVED
		.... ..1.		*	RESERVED
		1		*	RESERVED
26	(1A)	UNSIGNED	2	VCBRSV4	RESERVED
28	(1C)	CHARACTER	0	VCBEND	END OF VCB

VCB Cross Reference

Name	Hex Offset	Hex Value
VCB	0	
VCBASIGN	18	20
VCBCPFLG	19	
VCBDSPID	14	
VCBEFIX	19	08
VCBELPID	19	20
VCBEND	1C	
VCBESTE	10	
VCBINVSA	19	40
VCBLINK	0	
VCBLOAD	18	04
VCBLPID	8	
VCBMVOUT	18	80
VCBNDISC	18	08
VCBNOAUX	19	10
VCBNOLD	18	04
VCBNOVAC	19	80
VCBOPFLG	18	
VCBPFTE	10	
VCBRSV2	18	02
VCBRSV3	18	01
VCBRSV4	1A	
VCBRSV5	18	10
VCBRUARG	10	
VCBVF	18	40
VCBVSA	4	

VFCB Heading Information

Common Name: N/A
Macro ID: VIRTUAL
DSECT Name: N/A
Owning Component: SC1CJ (CSV)
Eye-Catcher ID: N/A
Offset: N/A
Length: N/A
Storage Attributes: Main Storage: N/A
Virtual Storage: N/A
Auxiliary Storage: N/A
Subpool: N/A
Key: N/A
Data Space: N/A
Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: N/A

VFCB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	44	VFCB	Virtual Fetch Control Block
0	(0)	CHARACTER	4	VFCBID	Control block ID ("VFCB")
4	(4)	ADDRESS	4	VFCBASCB	Address of Virtual Fetch address space ASCB
8	(8)	CHARACTER	8	VFCBRESH	Refresh number of this Virtual Fetch in TIMER units
8	(8)	SIGNED	4	VFCBRSH1	First half of refresh value
12	(C)	SIGNED	4	VFCBRSH2	Second half of refresh value
16	(10)	ADDRESS	4	VFCBHSHP	Address of hash table
20	(14)	UNSIGNED	4	VFCBHSHV	Hash algorithm divisor
24	(18)	SIGNED	4	VFCBECB	Refresh ECB
28	(1C)	UNSIGNED	1	VFCBLVEL	Level number of this VFCB (currently level=0)
29	(1D)	UNSIGNED	1	VFCBFLAG	Flag byte
		1...		VFCBUILT	Virtual Fetch has been built and is fully operational. (turned on after the VFCB is set up, and just before entering WAIT processing. It is initially off, and will be turned off before updating the VFCB, and whenever the ESTAE is entered).
		.1..		VFCBRES2	Reserved flag
		..1.		VFCBRES3	Reserved flag
		...1		VFCBRES4	Reserved flag
		.... 1...		VFCBRES5	Reserved flag
		.... .1..		VFCBRES6	Reserved flag
		.... ..1.		VFCBRES7	Reserved flag
		1		VFCBRES8	Reserved flag
30	(1E)	CHARACTER	2	VFCBRES9	Reserved half word
32	(20)	SIGNED	4	VFCBCSWD	Word for compare and swap. Used to serialize CSVVFTCH with the REFRESH function of CSVVFCRE.
32	(20)	UNSIGNED	1	VFCBRSCH	Refresh in progress flag field
		1...		VFCBRINP	Refresh in progress flag
		.111 1111		VFCBRV09	Reserved
33	(21)	BITSTRING	1	VFCBRV10	Reserved
34	(22)	SIGNED	2	VFCBGETS	Number of GET requests active.
36	(24)	SIGNED	4	VFCBGECB	ECB to be posted by GET process when refresh is in progress and GET count has just been decremented to zero

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
40	(28)	UNSIGNED	4	VFCBRSEQ	Refresh sequence number. It is incremented when refresh process begins and VFCBGETS=0. It is used to prevent an incorrect POST from GET process.

VFCB Constants

Len	Type	Value	Name	Description
4	DECIMAL	44	VFCBLEN	Length of the VFCB

VFCB Cross Reference

Name	Hex Offset	Hex Value
VFCB	0	
VFCBASCB	4	
VFCBCSWD	20	
VFCBECB	18	
VFCBFLAG	1D	
VFCBGECB	24	
VFCBGETS	22	
VFCBHSHP	10	
VFCBHSHV	14	
VFCBID	0	
VFCBLVEL	1C	
VFCBRESH	8	
VFCBRES2	1D	40
VFCBRES3	1D	20
VFCBRES4	1D	10
VFCBRES5	1D	08
VFCBRES6	1D	04
VFCBRES7	1D	02
VFCBRES8	1D	01
VFCBRES9	1E	
VFCBRINP	20	80
VFCBRSCH	20	
VFCBRSEQ	28	
VFCBRSH1	8	
VFCBRSH2	C	
VFCBRV09	20	7F
VFCBRV10	21	
VFCBUILT	1D	80

VFDE Heading Information

Common Name: Virtual Fetch Directory Entry
Macro ID: IHAVFDE
DSECT Name: VFHE
Owning Component: Contents Supervisor (SC1CJ)
Subpool and Key: Subpool 230 and key 0 (Residnce - above 16M line)
Size: 64 bytes
Created by: CSVVFCRE
Pointed to by: VFCBHSHP plus calculated index into Virtual Fetch hash table.
Serialization: VFCBUILT flag and the LOCAL lock.
Function: Contains information concerning a module residing in Virtual Fetch's VIO data set.

VFDE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	64	VFHE	Virtual Fetch Directory Entry
0	(0)	ADDRESS	4	VFHESYN	Address of synonym
4	(4)	CHARACTER	40	VFDE	Directory entry information needed to obtain the module from the VIO data set
4	(4)	CHARACTER	8	VFDENAME	Entry point name
4	(4)	CHARACTER	4	VFDENM1	First half of name
8	(8)	CHARACTER	4	VFDENM2	Second half of name
12	(C)	CHARACTER	32	VFDESCH	Start of data moved to caller by CSVVFSCH
12	(C)	CHARACTER	8	VFDELPID	Logical Page Identifier - LPID
12	(C)	UNSIGNED	4	VFDELGN	Logical Group Number
16	(10)	UNSIGNED	4	VFDERPN	Relative Page Number
20	(14)	UNSIGNED	4	VFDEMODL	Reformatted Module size
24	(18)	UNSIGNED	4	VFDEEPA	Entry Point offset
		1...		VFDEAM31	31 bit AMODE indicator
		.111 1111		VFDEZR03	Always zero
25	(19)	ADDRESS	3	VFDEEPA1	EP offset
28	(1C)	UNSIGNED	4	VFDERLDP	Relocation information offset within module
32	(20)	UNSIGNED	4	VFDEFLGS	Flags word
32	(20)	CHARACTER	1	VFDEFLG1	1st flag byte
		1...		VFDERENT	Module was link edited as reentrant
		.1..		VFDEREUS	Module was link edited as reusable
		..1.		VFDEALIS	This is an alias entry
		...1		VFDEINFO	INFODATA format DE
		.... 1...		VFDEAPFL	Module comes from an APF library
		.... .1..		VFDEF1R5	Reserved
		.... ..1.		VFDEANYM	AMODE=any indicator (control will be passed in the AMODE of the caller).
		1		VFDERMOD	RMODE of this module
33	(21)	CHARACTER	3	VFDERES4	Reserved
36	(24)	CHARACTER	8	VFDERESH	The refresh value for this Virtual Fetch VIO data set in TIMER units
36	(24)	UNSIGNED	4	VFDERSH1	First half of TIMER value for refresh
40	(28)	UNSIGNED	4	VFDERSH2	Second half of TIMER value for refresh
44	(2C)	CHARACTER	18	VFHERES1	Reserved
62	(3E)	BITSTRING	1	VFHEFLG2	Flag byte
		1...		VFHEBDDE	Virtual Fetch has found a discrepancy betwwen the given length and the calc length of the DE
		.111 1111		VFHERES2	Reserved
63	(3F)	UNSIGNED	1	VFHELIBN	Zero-origin library number of original library of the module

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VFDE Cross Reference

Name	Hex Offset	Hex Value
VFDE	4	
VFDEALIS	20	20
VFDEAM31	18	80
VFDEANYM	20	02
VFDEAPFL	20	08
VFDEEPA	18	
VFDEEPA1	19	
VFDEFLGS	20	
VFDEFLG1	20	
VFDEF1R5	20	04
VFDEINFO	20	10
VFDELGN	C	
VFDELPID	C	
VFDEMODL	14	
VFDENAME	4	
VFDENM1	4	
VFDENM2	8	
VFDERENT	20	80
VFDERESH	24	
VFDERES4	21	
VFDEREUS	20	40
VFDERLDP	1C	
VFDERMOD	20	01
VFDERPN	10	
VFDERSH1	24	
VFDERSH2	28	
VFDESCH	C	
VFDEZR03	18	7F
VFHE	0	
VFHEBDDE	3E	80
VFHEFLG2	3E	
VFHELIBN	3F	
VFHERES1	2C	
VFHERES2	3E	7F
VFHESYN	0	

VFPM Programming Interface Information

Programming Interface Information

VFPM

End of Programming Interface Information

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VFPM Heading Information

Common Name: Virtual Fetch Parameter List
Macro ID: IHAVFPM
DSECT Name: VFPM
Owning Component: Contents Supervisor (SC1CJ)
Subpool and Key: User subpool and key
Size: 88 bytes
Created by: Caller of Virtual Fetch
Pointed to by: N/A
Serialization: None
Function: Describes a Virtual Fetch function to be performed on a named module.

VFPM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	VFPM	VIRTUAL FETCH PARAMETER LIST
0	(0)	CHARACTER	72	VFPMSAVE	REGISTER SAVE AREA TO BE PASSED TO THE CALLED PROGRAM
72	(48)	SIGNED	4	VFPMREG1	CONTENTS OF REGISTER 1 TO BE PASSED TO CALLED PROGRAM
76	(4C)	CHARACTER	8	VFPMNAME (0)	NAME OF CALLED PROGRAM
76	(4C)	CHARACTER	4	VFPMNAML	FIRST FOUR CHARS OF NAME
80	(50)	CHARACTER	4	VFPMNAMR	LAST FOUR CHARS OF NAME
84	(54)	BITSTRING	1	VFPMLVL	LEVEL OF PARAMTER LIST
85	(55)	BITSTRING	1	VFPMFUNC	FUNCTION TO PERFORM
85	(55)	X'1'	0	VFPMBLD	"1" BUILD REQUEST INDICATOR
85	(55)	X'2'	0	VFPMFIND	"2" FIND REQUEST INDICATOR
85	(55)	X'3'	0	VFPMGET	"3" GET REQUEST INDICATOR
86	(56)	BITSTRING	1	VFPMFLAG	FLAG BYTE
		1...		VFPMGETM	"X'80'" FRESH MODULE STORAGE IS TO BE GETMAINED AND FREEMAINED ON EACH INVOCATION. IF OFF, MODULE STORAGE WILL BE PGRLSED INSTEAD OF FREEMAINED, AND FURTHER UNNEEDED GETMAINS WILL NOT BE ISSUED.
		.1..		VFPMRES1	"X'40'" RESERVED
		..1.		VFPMRES2	"X'20'" RESERVED
		...1		VFPMRES3	"X'10'" RESERVED
		.... 1...		VFPMRES4	"X'08'" RESERVED
		.... .1..		VFPMRES5	"X'04'" RESERVED
		.... ..1.		VFPMRES6	"X'02'" RESERVED
		1		VFPMRES7	"X'01'" RESERVED
87	(57)	BITSTRING	1	VFPMRTN	RETURN FLAGS SET BY THE GET FUNCTION. IF ALL FLAGS ARE ZERO, THE REQUESTED MODULE WAS EXECUTED AND REGISTER 15 CONTAINS THE VALUE RETURNED BY THE PROGRAM. OTHERWISE THE ONE FLAG SET ON INDICATES WHAT TYPE OF ERROR OCCURRED.
		1...		VFPMBUSY	"X'80'" THE MODULE WAS FOUND BUT WAS IN USE, AND IS THEREFORE UNAVAILABLE. THE MODULE WAS NOT GIVEN CONTROL. RETRY BY INVOKING THE FIND FUNCTION.
		.1..		VFPMRESH	"X'40'" GET WAS UNABLE TO OBTAIN THE REQUESTED MODULE. THE MODULE WAS NOT GIVEN CONTROL. RETRY BY INVOKING THE FIND FUNCTION.
		..1.		VFPMAPF	"X'20'" AN ATTEMPT WAS MADE BY AN AUTHORIZED CALLER TO INVOKE A MODULE FROM A NON-APF LIBRARY. THE MODULE WAS NOT GIVEN CONTROL. RETRY OF VIRTUAL FETCH SHOULD NOT BE ATTEMPTED.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		...1		VFPMBADP	"X'10'" INVALID PARAMETERS WERE RECEIVED BY GET. THE MODULE WAS NOT GIVEN CONTROL. RETRY BY INVOKING GET WITH A VALID PARAMETER LIST.
		.... 1...		VFPMBADE	"X'08'" AN ENVIRONMENTAL ERROR OCCURRED (GETMAIN FAILED, ESTAE FAILED ETC.). THE MODULE WAS NOT GIVEN CONTROL. RETRY BY CLEANING UP AND INVOKING THE FIND FUNCTION.
		.... .1..		VFPMAPPL	"X'04'" THE REQUESTED PROGRAM ABENDED. THIS FLAG SHOULD BE CHECKED WHENEVER THE CALLERS ESTAE GAINS CONTROL. RETRY BY INVOKING THE FIND FUNCTION.
		.... ..1.		VFPMRTN6	"X'02'" RESERVED
		1		VFPMRTN7	"X'01'" RESERVED
87	(57)	X'58'	0	VFPMLEN	"*-VFPM" LENGTH OF PARMATER LIST
87	(57)	X'0'	0	VFPMFRST	"VFPM" FIRST BYTE OF THE PARAMTER LIST
87	(57)	X'57'	0	VFPMLAST	"*-1" LAST BYTE OF THE PARAMTER LIST

VFPM Cross Reference

Name	Hex Offset	Hex Value
VFPM	0	
VFPMAPF	57	20
VFPMAPPL	57	4
VFPMBADE	57	8
VFPMBADP	57	10
VFPMBLD	55	1
VFPMBUSY	57	80
VFPMFIND	55	2
VFPMFLAG	56	
VFPMFRST	57	0
VFPMFUNC	55	
VFPMGET	55	3
VFPMGETM	56	80
VFPMLAST	57	57
VFPMLEN	57	58
VFPMLVL	54	
VFPMNAME	4C	
VFPMNAML	4C	
VFPMNAMR	50	
VFPMREG1	48	
VFPMRESH	57	40
VFPMRES1	56	40
VFPMRES2	56	20
VFPMRES3	56	10
VFPMRES4	56	8
VFPMRES5	56	4
VFPMRES6	56	2
VFPMRES7	56	1
VFPMRTN	57	
VFPMRTN6	57	2
VFPMRTN7	57	1
VFPMSAVE	0	

VFVT Heading Information

Common Name: Virtual Fetch Vector Table
Macro ID: IHAVFVT
DSECT Name: VFVT
Owning Component: Contents Supervisor (SC1CJ)
Eye-Catcher ID: VFVT
Offset: Offsett 0, Length 4
Subpool and Key: Subpool 254 and key 0
Size: 144 bytes
Created by: CSVVFNDE
Pointed to by: ASXBVFVT
Serialization: Local Lock
Function: Contains information concerning status of Virtual Fetch in a given user's address space, and the hashed directory of modules to be managed by Virtual Fetch for this address space.

VFVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	144	VFVT	Virtual Fetch Vector Table
0	(0)	CHARACTER	4	VFVTID	Control block ID ("VFVT")
4	(4)	SIGNED	4	VFVTTCB	Address of the Job Step TCB on whose behalf Virtual Fetch built VFWKs
8	(8)	BITSTRING	2	VFVTFLAG	Flag fields
8	(8)	BITSTRING	1	VFVTFLG1	Reserved
		1...		VFVTVFUP	Indicates whether this address space's VFWKs are still usable NOTE: this field is set to OFF whenever CSVVFNDE or CSVVFGTE's recovery routines are running and set back ON if the error is not fatal to Virtual Fetch
		.1..		VFVTF1R2	Reserved
		..1.		VFVTF1R3	Reserved
		...1		VFVTF1R4	Reserved
		.... 1...		VFVTF1R5	Reserved
		.... .1..		VFVTF1R6	Reserved
		.... ..1.		VFVTF1R7	Reserved
		1		VFVTF1R8	Reserved
9	(9)	BITSTRING	1	VFVTRSRD	Reserved
10	(A)	SIGNED	2	VFVTACNT	Number of user ABENDs for which clean up has not yet been performed. Serialized by the LOCAL lock.
12	(C)	BITSTRING	4	VFVTLHSH	Hash constant for local VFWK hash table
16	(10)	ADDRESS	4	VFVTHASH (32)	Pointer to the local VFWK hash table. Serialized by the LOCAL lock.

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VFVT Constants

Len	Type	Value		Name	Description
4	DECIMAL		144	VFVTLEN	Length of the VFVT
4	CHARACTER	VFVT		NVFVTID	VFVT's identifier
4	DECIMAL		254	NVFVT254	Subpool VFVT resides in

VFVT Cross Reference

Name	Hex Offset	Hex Value
VFVT	0	
VFVTACNT	A	
VFVTFLAG	8	
VFVTFLG1	8	
VFVTF1R2	8	40
VFVTF1R3	8	20
VFVTF1R4	8	10
VFVTF1R5	8	08
VFVTF1R6	8	04
VFVTF1R7	8	02
VFVTF1R8	8	01
VFVTHASH	10	
VFVTID	0	
VFVTLHSH	C	
VFVTRSRD	9	
VFVTTCB	4	
VFVTVFUP	8	80

VFWK Heading Information

Common Name: Virtual Fetch Work Area
Macro ID: IHAVFWK
DSECT Name: VFWK
Owning Component: Contents Supervisor (SC1CJ)
Eye-Catcher ID: VFWK
Offset: Offset 0, Length 4
Subpool and Key: Subpool 254 and key 0
Size: 112 bytes
Created by: CSVVFNDE
Pointed to by: VFVTHASH plus calculated index into the hash table in the VFVT.
Serialization: Local Lock
Function: Contains information concerning a particular module being managed by Virtual Fetch for a particular user, and includes a CDE for that module.

VFWK Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	112	VFWK	Virtual Fetch Work Area
0	(0)	CHARACTER	4	VFWKID	Control block ID ("VFWK")
4	(4)	ADDRESS	4	VFWKSYNP	Address of next VFWK on the synonym chain
8	(8)	CHARACTER	40	VFWKDE	Virtual Fetch Directory Entry (VFDE) format data obtained from the Virtual Fetch service address space by routine CSVVFSCH
8	(8)	CHARACTER	8	VFWKNAME	Entry point name (not set by CSVVFSCH)
8	(8)	CHARACTER	4	VFWKNAML	Left four chars of name
12	(C)	CHARACTER	4	VFWKNAMR	Right four chars of name
16	(10)	CHARACTER	8	VFWKLPID	Logical Page Identifier - LPID
16	(10)	UNSIGNED	4	VFWKLGN	Logical Group Number
20	(14)	UNSIGNED	4	VFWKRPN	1st relative Page Number
24	(18)	UNSIGNED	4	VFWKMODL	Size of reformatted module
28	(1C)	UNSIGNED	4	VFWKEPA	Offset of entry point
		1...		VFWKAM31	31-bit AMODE indicator
		.111 1111		VFWKZR03	Padding- must be 0
29	(1D)	ADDRESS	3	VFWKEPA1	Offset of entry point
32	(20)	UNSIGNED	4	VFWKRLDP	Offset of relocation data
36	(24)	UNSIGNED	1	VFWKDEF1	Flag byte for VFDE
		1...		VFWKRENT	Module is reentrant
		.1..		VFWKREUS	Module is serially reusable
		..1.		VFWKDFL3	Reserved flag
		...1		VFWKDFL4	Reserved flag
		.... 1...		VFWKAPFL	Module comes from authorized library
		.... .1..		VFWKDFL6	Reserved flag
		.... ..1.		VFWKANYM	AMODE=any indicator (control will be passed in the AMODE of the caller).
		1		VFWKRMOD	RMODE of this module
37	(25)	CHARACTER	3	VFWKDRS1	Reserved field
40	(28)	CHARACTER	8	VFWKRESH	the refresh value for this Virtual Fetch VIO data set in TIMER units
40	(28)	UNSIGNED	4	VFWKRSH1	First half of TIMER value for refresh
44	(2C)	UNSIGNED	4	VFWKRSH2	Second half of TIMER value for refresh
48	(30)	CHARACTER	32	VFWKCDE	CDE for Module
80	(50)	CHARACTER	16	VFWKXLST	Extent list for Module
96	(60)	ADDRESS	4	VFWKVSA	Address of module storage area in address space of user (set after GETMAIN, and zeroed before FREEMAIN)
100	(64)	ADDRESS	4	VFWKVCB	Address of start of VCBs area (set after GETMAIN, and zeroed before FREEMAIN)
104	(68)	SIGNED	2	VFWKNPGS	Number of pages required for the module area

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Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
106	(6A)	UNSIGNED	1	VFWKFLG1	First Flag Byte for VFWK
		1...		VFWKGMND	Storage for the module and VCBs exists
		.1..		VFWKF1R2	Reserved flag
		..1.		VFWKF1R3	Reserved flag
		...1		VFWKF1R4	Reserved flag
		.... 1...		VFWKF1R5	Reserved flag
		.... .1..		VFWKF1R6	Reserved flag
		.... ..1.		VFWKF1R7	Reserved flag
		1		VFWKF1R8	Reserved flag
107	(6B)	UNSIGNED	1	VFWKFLG2	Second Flag Byte for VFWK
		1...		VFWKBADM	Indicates that this module cannot be retrieved from this generation of the Virtual Fetch VIO dataset
		.1..		VFWKBADV	Indicates this VFWK is unusable because its associated CDE cannot be removed from the Job Pack Queue(JPQ) or its associated module storage cannot be FREEMAINed
		..1.		VFWKNFXM	The current generation of virtual fetch does not have directory information (VFDE) about this module
		...1		VFWKABND	The last time this module was invoked by virtual fetch the module suffered a user abend. The VFWKTCB field points to the current owner of this VFWK and its associated resources.
		.... 1...		VFWKF2R5	Reserved flag
		.... .1..		VFWKF2R6	Reserved flag
		.... ..1.		VFWKF2R7	Reserved flag
		1		VFWKF2R8	Reserved flag
108	(6C)	SIGNED	4	VFWKTCB	Address of the TCB of the caller who currently owns this VFWK

VFWK Constants

Len	Type	Value		Name	Description
4	DECIMAL		112	VFWKLEN	Length of the VFWK
4	CHARACTER	VFWK		NVFWKID	VFWK identifier
4	DECIMAL		254	NVFWK254	Subpool the VFWK resides in

VFWK Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
VFWK	0		VFWKF2R6	6B	04
VFWKABND	6B	10	VFWKF2R7	6B	02
VFWKAM31	1C	80	VFWKF2R8	6B	01
VFWKANYM	24	02	VFWKGMND	6A	80
VFWKAPFL	24	08	VFWKID	0	
VFWKBADM	6B	80	VFWKLGN	10	
VFWKBADV	6B	40	VFWKLPID	10	
VFWKCDE	30		VFWKMODL	18	
VFWKDE	8		VFWKNAME	8	
VFWKDEF1	24		VFWKNAML	8	
VFWKDFL3	24	20	VFWKNAMR	C	
VFWKDFL4	24	10	VFWKNFXM	6B	20
VFWKDFL6	24	04	VFWKNPGS	68	
VFWKDRS1	25		VFWKRENT	24	80
VFWKEPA	1C		VFWKRESH	28	
VFWKEPA1	1D		VFWKREUS	24	40
VFWKFLG1	6A		VFWKRLDP	20	
VFWKFLG2	6B		VFWKRMOD	24	01
VFWKF1R2	6A	40	VFWKRPN	14	
VFWKF1R3	6A	20	VFWKRSH1	28	
VFWKF1R4	6A	10	VFWKRSH2	2C	
VFWKF1R5	6A	08	VFWKSYNP	4	
VFWKF1R6	6A	04	VFWKTCB	6C	
VFWKF1R7	6A	02	VFWKVCB	64	
VFWKF1R8	6A	01	VFWKVSA	60	
VFWKF2R5	6B	08	VFWKXLST	50	

Name	Hex Offset	Hex Value
VFWKZR03	1C	7F

VRAMAP Programming Interface information

Programming Interface information

VRAMAP

End of Programming Interface information

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VRAMAP Heading Information

Common Name: Variable Recording Area
Macro ID: IHAVRA
DSECT Name: VRAMAP
Owning Component: RTM (SCRTM)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Same as containing structure
Key: Same as containing structure
Size: Variable (255 byte max.)
Created by: The SDWA is created by RTM. Recovery routines can create formatted data within the SDWAVRA field.
Pointed to by: N/A
Serialization: Same as containing structure
Function: Maps the SDWA Variable Recording Area (SDWAVRA) or a component-maintained area in a key, length, data format, to speed up error analysis. Also provides constants for SDWA data and for ABDUMP symptom data.

VRAMAP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	VRAMAP	
0	(0)	SIGNED	2	VRAKL (0)	USE THIS LABEL TO OBTAIN THE LENGTH OF THE NEXT TWO FIELDS.
0	(0)	SIGNED	1	VRAKEY	KEY TO IDENTIFY THE DATA THAT FOLLOWS. THE POSSIBLE VALUES FOR THIS FIELD ARE GIVEN AS CONSTANTS THAT FOLLOW THE VRAMAP DECLARE.
1	(1)	SIGNED	1	VRALEN	LENGTH OF THE DATA THAT FOLLOWS. THE CONSTANTS FOR VRAKEY INDICATE SOME RECOMMENDED LENGTHS.
2	(2)	SIGNED	1	VRADAT (0)	VARIABLE LENGTH DATA. THIS DATA IS FOLLOWED BY ADDITIONAL KEY, LENGTH, AND DATA FIELDS UNTIL ALL USER DATA IS SUPPLIED.
2	(2)	X'2'	0	VRALENKL	"VRADAT-VRAKL" LENGTH OF THE VRAKL FIELD (VRAKEY AND VRALEN), FOR USE IN UPDATING THE POINTER TO THE NEXT FIELD IN THE RECORDING AREA.

Comment

THE FOLLOWING CONSTANTS GIVE THE VALUES THAT ARE SUPPORTED FOR VRAKEY FIELDS. THE MEANINGS OF KEYS 200 ('C8'X) TO 239 ('EF'X) MAY BE ASSIGNED BY EACH RECOVERY ROUTINE. THE MEANINGS OF THE OTHER KEYS ARE ASSIGNED BY THE OWNER OF THE IHAVRA MACRO. KEYS CAN BE REPEATED IN A VARIABLE RECORDING AREA IN ORDER TO SUPPLY SEVERAL FOOTPRINT AREAS, ETC. HOWEVER, FOR DUMP ANALYSIS AND ELIMINATION, ONLY THE FIRST OCCURRENCE OF A KEY WILL BE USED.
THE SDWACID, SDWASC, SDWAMLVL, SDWACRC, AND SDWARRL FIELDS SHOULD BE USED INSTEAD OF THE VRACOM, VRASC, VRALVL, VRARC, AND VRARRL KEYS FOR OS/VS2 JBB1226 AND HIGHER LEVEL MODULES.

End of Comment

2	(2)	X'1'	0	VRACOM	"1" THE VRADAT DATA IS THE 5-BYTE EBCDIC COMPONENT ID (SUCH AS SC1CR). USE THE SDWACID FIELD INSTEAD OF THIS KEY. SEE THE ABOVE NOTE.
2	(2)	X'2'	0	VRASC	"2" THE DATA IS EBCDIC TEXT TO IDENTIFY THE SUBCOMPONENT OR SUBFUNCTION THAT FAILED (SUCH AS RSM-PGFIX), IF NOT IN SDWASC

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
2	(2)	X'3'	0	VRALVL	"3" THE DATA IS THE EBCDIC LEVEL FOR THE FAILING MODULE, IN COMPILEDATEBBPTF--OR SU OR PRODUCT NUMBER--FORMAT (SUCH AS 78.256 UZ86400), AS PRODUCED BY THE PLS ID MACRO ON A PLS PROC STATEMENT OR BY THE MODID MACRO, IF NOT IN SDWAMLVL
2	(2)	X'4'	0	VRADT	"4" THE DATA IS THE EBCDIC ASSEMBLY DATE FOR THE FAILING MODULE, IN YY.DDD OR MM/DD/YY FORMAT, IF NOT SUPPLIED VIA VRALVL OR SDWAMLVL
2	(2)	X'5'	0	VRAPTF	"5" THE DATA IS THE 7-BYTE EBCDIC PTF, SU, OR PRODUCT NUMBER FOR THE FAILING MODULE, (SUCH AS UZ86400), IF NOT SUPPLIED VIA SDWAMLVL
2	(2)	X'6'	0	VRARC	"6" THE DATA IS A HEXADECIMAL RETURN OR REASON CODE OR OTHER CODE FOR THE FAILURE. (IF NOT IN SDWACRC, SUPPLY THIS EVEN IF GIVEN IN REGISTER 15.)
2	(2)	X'7'	0	VRAQVOD	"7" THE DATA IS THE REGISTER 15 AND ERROR PORTIONS OF THE QUEUE VERIFIER OUTPUT DATA, AS MAPPED BY THE IHAQVOD MACRO
2	(2)	X'8'	0	VRAQERR	"8" THIS KEY INDICATES A QUEUE ERROR FOR THE CONTROL BLOCK (C.B.) KEY OR GROUP OF KEYS THAT FOLLOW. THE DATA IS AN OPTIONAL 2 BYTE REASON CODE FOR THE QUEUE ERROR, OPTIONALLY FOLLOWED BY A 2 BYTE OFFSET OF THE FIELD IN ERROR, OPTIONALLY FOLLOWED BY A 1 BYTE POSITION OF A BIT IN ERROR. REASON CODES 225 TO 512 ARE ASSIGNED BY THE OWNER OF THIS MACRO. 240 = ZERO ADDRESS, 241 = POINTS TO C.B. WITH INVALID ID, 250 = OTHER TYPE OF BAD ADDRESS, 251 = BIT SETTING IN ERROR, 252 = INVALID C.B. ID, 254 = C.B. MARKED INVALID, 255 = OVERLAP DETECTED IN C.B., 256 = STORAGE CHECK IN C.B., 267 = FIELD VALUE IS NOT A PROPER MULTIPLE, 268 = VALUE IS NOT ON PROPER BOUNDARY, 270 = OTHER UNSUPPORTED VALUE, 271 = OTHER BAD DATA.
2	(2)	X'9'	0	VRALVLS	"9" THE DATA IS THE EBCDIC SYSTEM RELEASE OR PROGRAM PRODUCT/COMPONENT LEVEL THAT THE PROBLEM OCCURS ON (THE RECOMMENDED LENGTH IS 3 BYTES.)
2	(2)	X'10'	0	VRARRP	"16" ('10'X) THE DATA IS THE HEXADECIMAL RECOVERY ROUTINE PARAMETER LIST, WITH 24 BYTE MAXIMUM LENGTH IF FRR
2	(2)	X'11'	0	VRACBM	"17" ('11'X) THE DATA IS THE MAPPING MACRO NAME FOR THE CONTROL BLOCK IN THE NEXT DATA FIELD (SUCH AS IKJTCB)
2	(2)	X'12'	0	VRACB	"18" ('12'X) THE DATA IS THE HEXADECIMAL CONTENTS OF A CONTROL BLOCK OR A PORTION OF A CONTROL BLOCK.
2	(2)	X'13'	0	VRACBF	"19" ('13'X) THE DATA IS THE NAME OF A CONTROL BLOCK FIELD. IT IS PRECEDED BY THE MAPPING MACRO NAME (SEE VRACBM) AND IT IS FOLLOWED BY THE VRACB KEY AND DATA, WHICH CAN BE A SINGLE CONTROL BLOCK FIELD OR A SECTION OF A CONTROL BLOCK, STARTING WITH THIS FIELD.
2	(2)	X'14'	0	VRACBA	"20" ('14'X) THE DATA IS THE 4 BYTE ADDRESS OF A CONTROL BLOCK (WHICH MAY BE IDENTIFIED BY VRACBM DATA), OPTIONALLY FOLLOWED BY THE 2 BYTE ASID FOR THE CONTROL BLOCK
2	(2)	X'15'	0	VRACBO	"21" ('15'X) THE DATA IS THE OFFSET OF A CONTROL BLOCK FIELD. IT IS PRECEDED BY THE MAPPING MACRO NAME (SEE VRACBM) AND IT IS FOLLOWED BY THE VRACB KEY AND DATA, WHICH CAN BE A SINGLE FIELD OR A SECTION OF A CONTROL BLOCK, STARTING AT THIS OFFSET. (THE VRACBO KEY IS USEFUL IF THE VRACBF DATA TAKES UP TOO MUCH VRA SPACE.)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
2	(2)	X'16'	0	VRACBL	"22" ('16'X) THE DATA IS THE LENGTH OF THE CONTROL BLOCK THAT IS AT THE ADDRESS IDENTIFIED BY THE ADDRESS IDENTIFIED BY THE VRACBA KEY
2	(2)	X'18'	0	VRACBI	"24" ('18'X) THE DATA IS A ONE BYTE CONTROL BLOCK ID NUMBER, FOLLOWED BY THE CONTROL BLOCK. IDS 200-239 CAN BE ASSIGNED BY THE INDIVIDUAL RECOVERY ROUTINE. THE OTHER IDS ARE ASSIGNED BY THE OWNER OF THE IHAVRA MACRO. 1=UCB, 2=RCA, 3=IOSB, 4=ASCB, 5=SVRB XSA.
2	(2)	X'19'	0	VRACBIA	"25" ('19'X) THE DATA IS A ONE BYTE C.B. ID NUMBER (AS DEFINED UNDER VRACBI) AND ONE ZEROED BYTE, FOLLOWED BY THE 4 BYTE C.B. ADDRESS AND AN OPTIONAL 2 BYTE C.B. LENGTH. THE LENGTH CAN BE FOLLOWED BY AN OPTIONAL 2 BYTE ASID.
2	(2)	X'1A'	0	VRACBI2	"26" ('1A'X) THE DATA IS A ONE BYTE CONTROL BLOCK ID NUMBER AND ONE ZEROED BYTE, FOLLOWED BY THE CONTROL BLOCK. SEE VRACBI FOR THE DEFINITION OF THE C.B. ID NUMBER.
2	(2)	X'20'	0	VRAPLI	"32" ('20'X) THE DATA IS EBCDIC TEXT TO IDENTIFY THE PARAMETER LIST IN THE NEXT DATA FIELD. (IF IT HAS A MAPPING MACRO, USE THE VRACBM AND VRACB KEYS, INSTEAD.)
2	(2)	X'21'	0	VRAPL	"33" ('21'X) THE DATA IS THE HEXADECIMAL CONTENTS OF A PARAMETER LIST
2	(2)	X'22'	0	VRAFPI	"34" ('22'X) THE DATA IS EBCDIC TEXT TO IDENTIFY THE FOOTPRINT AREA DATA IN THE NEXT DATA FIELD
2	(2)	X'23'	0	VRAFP	"35" ('23'X) THE DATA IS THE HEXADECIMAL CONTENTS OF A FOOTPRINT AREA
2	(2)	X'24'	0	VRAPA	"36" ('24'X) THE DATA DESCRIBES THE EXECUTION PATH UP TO THE TIME OF THE ERROR. IT CONSISTS OF FOUR (EBCDIC) CHARACTERS TO IDENTIFY EACH SUBROUTINE OR MODULE THAT WAS INVOKED. THE FOUR RIGHTMOST CHARACTERS IDENTIFY THE LAST ROUTINE THAT WAS INVOKED.
2	(2)	X'25'	0	VRAP2	"37" ('25'X) THE DATA DESCRIBES THE EXECUTION PATH IN THE SAME FORMAT AS THE VRAPA KEY, BUT THE ID IS TWO CHARACTERS, NOT FOUR
2	(2)	X'26'	0	VRALK	"38" ('26'X) THE DATA IS THE EBCDIC NAME OF A LOCK THAT IS HELD
2	(2)	X'27'	0	VRAWAI	"39" ('27'X) THE DATA IS EBCDIC TEXT TO IDENTIFY THE WORK AREA IN THE NEXT DATA FIELD
2	(2)	X'28'	0	VRAWA	"40" ('28'X) THE DATA IS THE HEXADECIMAL CONTENTS OF A WORK AREA THAT HAS NO MAPPING MACRO
2	(2)	X'29'	0	VRAWAP	"41" ('29'X) THE DATA IS THE ADDRESS OF A WORK AREA (WHICH MAY BE IDENTIFIED BY VRAWAI DATA)
2	(2)	X'30'	0	VRALBL	"48" ('30'X) THE DATA IS AN EBCDIC LABEL RELATED TO THE FAILURE, SUCH AS THE LABEL OF THE CSECT THAT FAILED (IF THE CSECT IS NOT AT THE BEGINNING OF THE FAILING MICROFICHE MODULE NAMED IN SDWACSCT)
2	(2)	X'31'	0	VRARRL	"49" ('31'X) THE DATA IS THE LABEL OF THE RECOVERY ROUTINE HANDLING THE ERROR, IF THE RECOVERY ROUTINE IS NOT AT THE BEGINNING OF THE MICROFICHE MODULE, SDWAREXN AND CANNOT SUPPLY IN SDWARRL FIELD
2	(2)	X'33'	0	VRAMID	"51" ('33'X) THE DATA IS AN EBCDIC MESSAGE ID FOR A MESSAGE RELATED TO THE FAILURE, WITH MESSAGE TEXT OPTIONALLY APPEARING IN THE NEXT DATA FIELD
2	(2)	X'34'	0	VRAMSG	"52" ('34'X) THE DATA IS EBCDIC MESSAGE TEXT FOR THE MESSAGE ID IN THE VRAMID DATA FIELD
2	(2)	X'35'	0	VRAERR	"53" ('35'X) THE DATA IS EBCDIC INFORMATION ABOUT THE CAUSE OF THE ERROR (SUCH AS WHAT CONTROL BLOCK QUEUE FAILED AND WHERE)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
2	(2)	X'36'	0	VRAEHX	"54" ('36'X) THE DATA IS HEXADECIMAL INFORMATION ABOUT THE CAUSE OF THE ERROR (SUCH AS THE ADDRESS OF AN INVALID QUEUE ELEMENT), AS EXPLAINED BY THE VRAERR DATA FIELD
2	(2)	X'37'	0	VRAHID	"55" ('37'X) THE DATA IS AN EBCDIC HEADER TO IDENTIFY THE INFORMATION IN THE FIELD THAT FOLLOWS IT IN THE VARIABLE RECORDING AREA
2	(2)	X'38'	0	VRAHEX	"56" ('38'X) THE DATA IS HEXADECIMAL INFORMATION
2	(2)	X'39'	0	VRAEBC	"57" ('39'X) THE DATA IS EBCDIC INFORMATION
2	(2)	X'3A'	0	VRAAID	"58" ('3A'X) THE DATA IS THE 2-BYTE HEXADECIMAL ASID ON WHOSE BEHALF THE FAILING ASID WAS OPERATING
2	(2)	X'3B'	0	VRATCB	"59" ('3B'X) THE DATA IS THE ADDRESS OF THE TCB ON WHOSE BEHALF THE FAILING FUNCTION WAS OPERATING
2	(2)	X'3C'	0	VRACA	"60" ('3C'X) THE DATA IS THE ADDRESS OF THE CALLER (INVOKER) OF THE FAILING FUNCTION
2	(2)	X'3D'	0	VRACAN	"61" ('3D'X) THE DATA IS THE NAME OF THE MODULE THAT CALLED THE FAILING FUNCTION
2	(2)	X'40'	0	VRAOA	"64" ('40'X) THE DATA IS THE ORIGINAL HEXADECIMAL ABEND COMPLETION CODE, BEFORE IT WAS CHANGED TO A COMPONENT-RELATED ABEND CODE. (THE RECOMMENDED LENGTH IS 3 BYTES.)
2	(2)	X'41'	0	VRAPSW	"65" ('41'X) THE DATA IS THE PSW FROM THE ORIGINAL ABEND, OR ANOTHER PSW ASSOCIATED WITH THE ABEND
2	(2)	X'42'	0	VRAINS	"66" ('42'X) THE DATA IS THE FAILING INSTRUCTION POINTED TO BY THE PSW FROM THE ORIGINAL ABEND, OR ANOTHER PSW ASSOCIATED WITH THE ABEND
2	(2)	X'43'	0	VRAREGS	"67" ('43'X) THE DATA IS THE GENERAL PURPOSE REGISTERS AT THE TIME OF THE ORIGINAL ABEND (OR OTHER REGISTERS ASSOCIATED WITH THE ABEND), IN THE ORDER INDICATED BY THE VRAFREG KEY
2	(2)	X'44'	0	VRAREGA	"68" ('44'X) THE DATA IS THE ADDRESS OF AN AREA WITH THE GENERAL PURPOSE REGISTERS AT THE TIME OF THE ORIGINAL ABEND (OR OTHER REGISTERS ASSOCIATED WITH THE ABEND), IN THE ORDER INDICATED BY VRAFREG
2	(2)	X'45'	0	VRAOR15	"69" ('45'X) THE DATA IS REGISTER 15 AT THE TIME OF THE ORIGINAL ABEND
2	(2)	X'46'	0	VRADSN	"70" ('46'X) THE DATA IS THE EBCDIC NAME OF A DATA SET ASSOCIATED WITH THE FAILURE (SUCH AS SYS1.PAGE01)
2	(2)	X'47'	0	VRADEV	"71" ('47'X) THE DATA IS THE EBCDIC NAME OF A DEVICE ASSOCIATED WITH THE FAILURE
2	(2)	X'48'	0	VRASN	"72" ('48'X) THE DATA IS HEXADECIMAL I/O SENSE DATA
2	(2)	X'49'	0	VRAST	"73" ('49'X) THE DATA IS HEXADECIMAL I/O STATUS DATA
2	(2)	X'4A'	0	VRAU	"74" ('4A'X) THE DATA IS AN EBCDIC UNIT ADDRESS OR UNIT NAME (UCBNAME)
2	(2)	X'4B'	0	VRACCW	"75" ('4B'X) THE DATA IS THE HEXADECIMAL CCW FOR AN I/O REQUEST
2	(2)	X'4C'	0	VRACSW	"76" ('4C'X) THE DATA IS THE HEXADECIMAL CSW FOR AN I/O REQUEST
2	(2)	X'4D'	0	VRADVT	"77" ('4D'X) THE DATA IS HEXADECIMAL DEVICE TYPE INFORMATION, IN THE SAME FORMAT AS THE UCBTYP FIELD
2	(2)	X'4E'	0	VRAVOL	"78" ('4E'X) THE DATA IS AN EBCDIC VOLUME SERIAL NUMBER FOR A DATA SET ASSOCIATED WITH THE FAILURE
2	(2)	X'50'	0	VRAREQ	"80" ('50'X) THE DATA IS ONE OR MORE KEYS WHICH ARE TO BE USED BY DAE FOR MATCHING FOR DUPLICATES. EACH KEY MUST BE A HALF WORD.
2	(2)	X'51'	0	VRAOPT	"81" ('51'X) THE DATA IS ONE OR MORE KEYS WHICH, IF PRESENT,WILL BE USED BY DAE FOR MATCHING FOR DUPLICATES. EACH KEY MUST BE A HALF WORD.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
2	(2)	X'52'	0	VRAMINSC	"82" ('52'X) THE DATA IS A 2 BYTE MINIMUM COUNT OF SYMPTOMS REQUIRED BEFORE DAE CAN CARRY OUT MATCHING FOR DUPLICATES. THE DATA MUST BE 2 BYTES (HALF-WORD) IN LENGTH.
2	(2)	X'53'	0	VRADAE	"83" ('53'X) NO DATA IS ASSOCIATED WITH THIS KEY. THE KEY SHOULD BE PLACED INTO THE VRA PRIOR TO A DUMP REQUEST IF THE SDWA CONTAINS SUFFICIENT DATA FOR DAE TO UNIQUELY IDENTIFY THE DUMP.
2	(2)	X'54'	0	VRAMINSL	"84" ('54'X) THE DATA IS A 2 BYTE MINIMUM LENGTH OF SYMPTOM STRING REQUIRED BEFORE DAE CAN CARRY OUT MATCHING FOR DUPLICATES.
2	(2)	X'60'	0	VRAFREG	"96" ('60'X) THE DATA IS A 1 BYTE REGISTER NUMBER OF THE FIRST REGISTER IN THE VRAREGS OR VRAREGA AREA THAT FOLLOWS. DEFAULT IS REG.0. REG.14 INDICATES REGISTERS IN 14,15,0-12 ORDER.
2	(2)	X'63'	0	VRACSCB	"99" ('63'X) THE DATA IS THE CSCB CONTROL BLOCK WITH THE OPERATOR COMMAND ASSOCIATED WITH THE FAILURE
2	(2)	X'64'	0	VRACSCBA	"100" ('64'X) THE DATA IS THE ADDRESS OF THE CSCB CONTROL BLOCK ASSOCIATED WITH THE FAILURE
2	(2)	X'65'	0	VRAJOB	"101" ('65'X) THE DATA IS THE JOBNAME THAT FAILED. NOTE, THE JOBNAME IS ALSO IN THE ENTRY HEADER IN THE LOGREC DATA SET.
2	(2)	X'66'	0	VRASTP	"102" ('66'X) THE DATA IS THE STEPNAME THAT FAILED
2	(2)	X'67'	0	VRACMD	"103" ('67'X) THE DATA IS AN EBCDIC TSO COMMAND OR OTHER COMMAND ASSOCIATED WITH THE FAILURE
2	(2)	X'68'	0	VRAJCL	"104" ('68'X) THE DATA IS A JCL STATEMENT
2	(2)	X'69'	0	VRANODAE	"105" ('69'X) NO DATA IS ASSOCIATED WITH THIS KEY. THE KEY SHOULD BE PLACED INTO THE VRA PRIOR TO A DUMP REQUEST IF THE SDWA DOES NOT CONTAIN SUFFICIENT DATA FOR DAE TO UNIQUELY IDENTIFY THE DUMP.
2	(2)	X'73'	0	VRAEPN	"115" ('73'X) THE DATA IS THE NAME OF THE ENTRY POINT INVOLVED IN THE FAILURE
2	(2)	X'77'	0	VRAETF	"119" ('77'X) THE DATA IS THE ADDRESS OF THE ENTRY POINT INVOLVED IN THE FAILURE
2	(2)	X'78'	0	VRACTF	"120" ('78'X) THE DATA IS THE ADDRESS OF THE CSECT (ASSEMBLY MODULE) THAT FAILED
2	(2)	X'79'	0	VRALTF	"121" ('79'X) THE DATA IS THE ADDRESS OF THE LOAD MODULE THAT FAILED
2	(2)	X'7A'	0	VRAMO	"122" ('7A'X) THE DATA IS THE HEXADECIMAL OFFSET OF THE FAILING CSECT (ASSEMBLY MODULE) INTO ITS LOAD MODULE
2	(2)	X'7B'	0	VRAILO	"123" ('7B'X) THE DATA IS THE HEXADECIMAL OFFSET OF THE FAILING INSTRUCTION INTO ITS LOAD MODULE
2	(2)	X'7C'	0	VRAIMO	"124" ('7C'X) THE DATA IS THE HEXADECIMAL OFFSET OF THE FAILING INSTRUCTION INTO ITS CSECT (ASSEMBLY MODULE)
2	(2)	X'7D'	0	VRAFID	"125" ('7D'X) THE DATA IS THE EBCDIC FEATURE ID FOR THE FAILING CSECT (ASSEMBLY MODULE)
2	(2)	X'7E'	0	VRAPID	"126" ('7E'X) THE DATA IS THE EBCDIC PRODUCT ID FOR THE FAILING MODULE
2	(2)	X'A0'	0	VRAIAP	"160" ('A0'X) THE DATA IS THE NAME OF AN ANALYTIC PROCEDURE TO BE RUN BY THE PROGRAM IDENTIFIED IN THE VRAIDP DATA
2	(2)	X'A1'	0	VRAIAL	"161" ('A1'X) THE DATA IS A PARAMETER LIST FOR USE BY THE ANALYTIC PROCEDURE IDENTIFIED IN THE VRAIAP DATA
2	(2)	X'A2'	0	VRAICL	"162" ('A2'X) THE DATA IS A PARAMETER LIST FOR USE IN CONTROL OF THE PROGRAM IDENTIFIED IN THE VRAIDP DATA
2	(2)	X'A3'	0	VRAIDP	"163" ('A3'X) THE DATA IS THE NAME OF THE DUMP (OR LOGREC) READING PROGRAM THAT SHOULD PROCESS THE DATA IN THE VRAIAP, VRAIAL, AND VRAICL FIELDS

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
2	(2)	X'A4'	0	VRALKWA	"164" ('A4'X) THE DATA IS THE ADDRESS OF THE LOCKWORD FOR THE LOCK INDICATED BY VRALK
2	(2)	X'C8'	0	VRARRK	"200" ('C8'X) THIS KEY AND KEYS 201 THRU 239 ('EF'X) MAY BE DEFINED BY THE INDIVIDUAL RECOVERY ROUTINE. EACH KEY CAN BE PRECEDED BY THE VRAHID KEY AND TEXT TO IDENTIFY THE RECOVERY ROUTINE DATA.

Comment

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  KEYS 201 THROUGH 239 MAY BE USED BY RECOVERY ROUTINES TO SUPPLY
  PROBLEM SYMPTOMS WHICH ARE NOT DESCRIBED BY THE PREVIOUS KEYS.
  EACH KEY REQUIRES A PARTICULAR TYPE OF DATA, AS FOLLOWS:
     KEYS 201-224 - EBCDIC DATA
     KEYS 225-234 - HEXADECIMAL DATA
     KEYS 235-239 - FLAG DATA
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End of Comment

2	(2)	X'C9'	0	VRARRK1	"201" ('C9'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'CA'	0	VRARRK2	"202" ('CA'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'CB'	0	VRARRK3	"203" ('CB'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'CC'	0	VRARRK4	"204" ('CC'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'CD'	0	VRARRK5	"205" ('CD'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'CE'	0	VRARRK6	"206" ('CE'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'CF'	0	VRARRK7	"207" ('CF'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D0'	0	VRARRK8	"208" ('D0'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D1'	0	VRARRK9	"209" ('D1'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D2'	0	VRARRK10	"210" ('D2'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D3'	0	VRARRK11	"211" ('D3'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D4'	0	VRARRK12	"212" ('D4'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D5'	0	VRARRK13	"213" ('D5'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D6'	0	VRARRK14	"214" ('D6'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D7'	0	VRARRK15	"215" ('D7'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D8'	0	VRARRK16	"216" ('D8'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D9'	0	VRARRK17	"217" ('D9'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'DA'	0	VRARRK18	"218" ('DA'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'DB'	0	VRARRK19	"219" ('DB'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'DC'	0	VRARRK20	"220" ('DC'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'DD'	0	VRARRK21	"221" ('DD'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'DE'	0	VRARRK22	"222" ('DE'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'DF'	0	VRARRK23	"223" ('DF'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E0'	0	VRARRK24	"224" ('E0'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E1'	0	VRARRK25	"225" ('E1'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E2'	0	VRARRK26	"226" ('E2'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E3'	0	VRARRK27	"227" ('E3'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E4'	0	VRARRK28	"228" ('E4'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E5'	0	VRARRK29	"229" ('E5'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E6'	0	VRARRK30	"230" ('E6'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E7'	0	VRARRK31	"231" ('E7'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E8'	0	VRARRK32	"232" ('E8'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E9'	0	VRARRK33	"233" ('E9'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'EA'	0	VRARRK34	"234" ('EA'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'EB'	0	VRARRK35	"235" ('EB'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'EC'	0	VRARRK36	"236" ('EC'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'ED'	0	VRARRK37	"237" ('ED'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'EE'	0	VRARRK38	"238" ('EE'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'EF'	0	VRARRK39	"239" ('EF'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'FA'	0	VRASKP	"250" ('FA'X) THIS KEY CAN BE USED TO SKIP TO A FULLWORD BOUNDARY. ANY DATA WILL BE IGNORED.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
2	(2)	X'FF'	0	VRAEND	"255" ('FF'X) THE DATA FROM THIS KEY FIELD TO THE END OF THE VARIABLE USER DATA IS NOT MAPPED. (THE SDWAURAL FIELD DEFINES THE LENGTH OF THE USER DATA IN THE SDWAVRA.) THIS KEY IS NOT NEEDED IF ALL OF THE USER-SUPPLIED DATA IS MAPPED.

Comment

HEXADECIMAL KEYS FOR MAIN FIXED AREA OF SDWA

End of Comment

2	(2)	X'3E9'	0	EFABS	"1001" ('3E9'X) THE DATA IS THE SYSTEM ABEND CODE.
2	(2)	X'3EA'	0	EFABU	"1002" ('3EA'X) THE DATA IS THE USER ABEND CODE.
2	(2)	X'3EB'	0	EFLDMD	"1003" ('3EB'X) THE DATA IS THE FAILING LOAD MODULE NAME.
2	(2)	X'3EC'	0	EFCSCT	"1004" ('3EC'X) THE DATA IS THE FAILING CSECT NAME.
2	(2)	X'3ED'	0	EFREXN	"1005" ('3E9'X) THE DATA IS THE RECOVERY ROUTINE NAME.
2	(2)	X'3F3'	0	EFPSW	"1011" ('3E9'X) THE DATA IS THE PSW REGISTER DIFFERENCE.

Comment

HEXADECIMAL KEYS FOR FIRST EXTENSION OF SDWA = SDWARC1

End of Comment

2	(2)	X'44D'	0	E1C1D1C	"1101" THIS KEY SHOULD NOT BE USED. IT IS RETAINED FOR COMPATABILITY REASONS ONLY.
2	(2)	X'44D'	0	E1CID1C	"1101" ('44D'X) THE DATA IS THE COMPONENT ID.
2	(2)	X'44E'	0	E1SUB1C	"1102" ('44E'X) THE DATA IS THE SUBFUNCTION.
2	(2)	X'451'	0	E1AMD1C	"1105" ('451'X) THE DATA IS THE ASSEMBLY DATE OF THE FAILING MODULE.
2	(2)	X'452'	0	E1VRS1C	"1106" ('452'X) THE DATA IS THE VERSION OF THE MODULE-PTF OR PRODUCT NUMBER.
2	(2)	X'454'	0	E1HRC1C	"1108" ('454'X) THE DATA IS THE REASON OR RETURN CODE.
2	(2)	X'456'	0	E1RRL1C	"1110" ('456'X) THE DATA IS THE LABEL OF THE RECOVERY ROUTINE THAT FILLED IN THIS SDWA.
2	(2)	X'45A'	0	E1CDB1C	"1114" ('45A'X) THE DATA IS THE COMPONENT ID BASE NUMBER, SUCH AS 5741.
2	(2)	X'45C'	0	E1CCR1C	"1116" ('45C'X) THE DATA ARE PROGRAM STATUS FLAGS.
2	(2)	X'45E'	0	E1HLH1C	"1118" ('45E'X) COPY OF PSAHLHI-HIGHEST LOCK HELD INDICATOR.
2	(2)	X'460'	0	E1SUP1C	"1120" ('460'X) COPY OF PSASUPER (SUPERVISOR CONTROL WORD).
2	(2)	X'464'	0	E1SPN1C	"1124" ('464'X) COPY OF LCCASPIN (PROCESSOR IS SPINNING INDICATORS).
2	(2)	X'466'	0	E1FI1C	"1126" ('466'X) THE DATA ARE THE 12 BYTES OF THE INSTRUCTION STREAM AS DETERMINED BY THE ADRESS IN THE FAILING PSW.
2	(2)	X'468'	0	E1FRR1C	"1128" ('468'X) THE DATA IS A COPY OF THE FRR PARAMETER AREA FROM THE CURRENT FRR STACK ENTRY.
2	(2)	X'46A'	0	E1ASID1C	"1130" ('46A'X) THE DATA IS THE ASID OF THE FAILING TASK OR A RELATED ASID.
2	(2)	X'46C'	0	E1ORCC1C	"1132" ('46C'X) THE DATA IS THE ORIGINAL COMPLETION CODE.
2	(2)	X'46E'	0	E1ORRC1C	"1134" ('46E'X) THE DATA IS THE ORIGINAL REASON CODE.
2	(2)	X'470'	0	E1PIDS1C	"1136" ('470'X) THE DATA IS THE PRODUCT/COMPONENT ID.

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					HEXADECIMAL KEYS FOR SECOND EXTENSION OF SDWA = SDWARC2
					End of Comment
2	(2)	X'4B3'	0	E2MCIC	"1203" ('4B3'X) THE DATA IS THE MACHINE CHECK INTERRUPT CODE.
					Comment
					HEXADECIMAL KEYS FOR SYSMDUMP SYSTEMS ARE THE SAME AS FOR THE SAME SYMPTOMS FROM THE SDWA HEXADECIMAL KEYS FOR RETAIN SYMPTOMS
					End of Comment
2	(2)	X'0'	0	RINVLD	"0" ('0'X) INVALID SYMPTOM.
2	(2)	X'1'	0	RABNDSR	"1" ('01'X) THE DATA IS THE SYSTEM ABEND CODE.
2	(2)	X'2'	0	RABNDUR	"2" ('02'X) THE DATA IS THE USER ABEND CODE.
2	(2)	X'3'	0	RFLDSR	"3" ('03'X) THE DATA IS A FIELD NAME OR LABEL.
2	(2)	X'4'	0	RLVLSR	"4" ('04'X) THE DATA IS THE COMPONENT, SU, PP, RELEASE LEVEL.
2	(2)	X'5'	0	RMSGIDR	"5" ('05'X) MESSAGE IDENTIFIER.
2	(2)	X'6'	0	RADRSR	"6" ('06'X) ADDRESS OR OFFSET.
2	(2)	X'7'	0	RPCSSR	"7" ('07'X) THE DATA IS JCL, AN OPERATOR COMMAND A USER COMMAND, OR A PARAMETER (EBCDIC).
2	(2)	X'8'	0	RPIDSR	"8" ('08'X) THE DATA IS A COMPONENT IDENTIFIER AS 5752SC124 OR 575200000.
2	(2)	X'9'	0	RPRCSR	"9" ('09'X) THE DATA IS THE RETURN OR REASON CODE.
2	(2)	X'A'	0	RPTFSRR	"10" ('0A'X) THE DATA IS A PTF IDENTIFIER.
2	(2)	X'B'	0	RPZFSR	"11" ('0B'X) THE DATA IS A SUPERZAP IDENTIFIER.
2	(2)	X'C'	0	RREGSR	"12" ('0C'X) THE DATA ARE THE CONTENTS OF THE FAILING REGISTERS.
2	(2)	X'D'	0	RRIDSR	"13" ('0D'X) MODULE, CSECT, ROUTINE NAME, ACCESS METHOD, ETC.
2	(2)	X'E'	0	RSTATR	"14" ('0E'X) CSW, DSW STATUS.
2	(2)	X'F'	0	RVALUHR	"15" ('0F'X) THE DATA IS HEXADECIMAL IN THE SOURCE FIELD.
2	(2)	X'10'	0	RVALUCR	"16" ('10'X) THE DATA IS CHARACTER IN THE SOURCE FIELD.
2	(2)	X'11'	0	RVALUBR	"17" ('11'X) THE DATA IS A FLAG FIELD IN THE SOURCE FIELD.

VRAMAP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
EFABS	2	3E9	E1ORRC1C	2	46E
EFABU	2	3EA	E1PIDS1C	2	470
EFCSCT	2	3EC	E1RRL1C	2	456
EFLDMD	2	3EB	E1SPN1C	2	464
EFPSW	2	3F3	E1SUB1C	2	44E
EFREXN	2	3ED	E1SUP1C	2	460
E1AMD1C	2	451	E1VRS1C	2	452
E1ASID1C	2	46A	E2MCIC	2	4B3
E1CCR1C	2	45C	RABNDSR	2	1
E1CDB1C	2	45A	RABNDUR	2	2
E1CID1C	2	44D	RADRSR	2	6
E1C1D1C	2	44D	RFLDSR	2	3
E1FI1C	2	466	RINVLD	2	0
E1FRR1C	2	468	RLVLSR	2	4
E1HLH1C	2	45E	RMSGIDR	2	5
E1HRC1C	2	454	RPCSSR	2	7
E1ORCC1C	2	46C	RPIDSR	2	8

Name	Hex Offset	Hex Value
RPRCSR	2	9
RPTFSRR	2	A
RPZFSR	2	B
RREGSR	2	C
RRIDSR	2	D
RSTATR	2	E
RVALUBR	2	11
RVALUCR	2	10
RVALUHR	2	F
VRAAID	2	3A
VRACA	2	3C
VRACAN	2	3D
VRACB	2	12
VRACBA	2	14
VRACBF	2	13
VRACBI	2	18
VRACBIA	2	19
VRACBI2	2	1A
VRACBL	2	16
VRACBM	2	11
VRACBO	2	15
VRACCW	2	4B
VRACMD	2	67
VRACOM	2	1
VRACSCB	2	63
VRACSCBA	2	64
VRACSW	2	4C
VRACTF	2	78
VRADAE	2	53
VRADAT	2	
VRADEV	2	47
VRADSN	2	46
VRADT	2	4
VRADVT	2	4D
VRAEBC	2	39
VRAEHX	2	36
VRAEND	2	FF
VRAEPN	2	73
VRAERR	2	35
VRAETF	2	77
VRAFID	2	7D
VRAFP	2	23
VRAFPI	2	22
VRAFREG	2	60
VRAHEX	2	38
VRAHID	2	37
VRAIAL	2	A1
VRAIAP	2	A0
VRAICL	2	A2
VRAIDP	2	A3
VRAILO	2	7B
VRAIMO	2	7C
VRAINS	2	42
VRAJCL	2	68
VRAJOB	2	65
VRAKEY	0	
VRAKL	0	
VRALBL	2	30
VRALEN	1	
VRALENKL	2	2
VRALK	2	26
VRALKWA	2	A4
VRALTF	2	79
VRALVL	2	3
VRALVLS	2	9

Name	Hex Offset	Hex Value
VRAMAP	0	
VRAMID	2	33
VRAMINSC	2	52
VRAMINSL	2	54
VRAMO	2	7A
VRAMSG	2	34
VRANODAE	2	69
VRAOA	2	40
VRAOPT	2	51
VRAOR15	2	45
VRAPA	2	24
VRAPID	2	7E
VRAPL	2	21
VRAPLI	2	20
VRAPSW	2	41
VRAPTF	2	5
VRAP2	2	25
VRAQERR	2	8
VRAQVOD	2	7
VRARC	2	6
VRAREGA	2	44
VRAREGS	2	43
VRAREQ	2	50
VRARRK	2	C8
VRARRK1	2	C9
VRARRK10	2	D2
VRARRK11	2	D3
VRARRK12	2	D4
VRARRK13	2	D5
VRARRK14	2	D6
VRARRK15	2	D7
VRARRK16	2	D8
VRARRK17	2	D9
VRARRK18	2	DA
VRARRK19	2	DB
VRARRK2	2	CA
VRARRK20	2	DC
VRARRK21	2	DD
VRARRK22	2	DE
VRARRK23	2	DF
VRARRK24	2	E0
VRARRK25	2	E1
VRARRK26	2	E2
VRARRK27	2	E3
VRARRK28	2	E4
VRARRK29	2	E5
VRARRK3	2	CB
VRARRK30	2	E6
VRARRK31	2	E7
VRARRK32	2	E8
VRARRK33	2	E9
VRARRK34	2	EA
VRARRK35	2	EB
VRARRK36	2	EC
VRARRK37	2	ED
VRARRK38	2	EE
VRARRK39	2	EF
VRARRK4	2	CC
VRARRK5	2	CD
VRARRK6	2	CE
VRARRK7	2	CF
VRARRK8	2	D0
VRARRK9	2	D1
VRARRL	2	31
VRARRP	2	10

Name	Hex Offset	Hex Value
VRASC	2	2
VRASKP	2	FA
VRASN	2	48
VRAST	2	49
VRASTP	2	66
VRATCB	2	3B
VRAU	2	4A
VRAVOL	2	4E
VRAWA	2	28
VRAWAI	2	27
VRAWAP	2	29

VSL Programming Interface information

Programming Interface information

VSL

The following field is **NOT** programming interface information:

- VSLRAO

End of Programming Interface information

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VSL Heading Information

Common Name: Virtual Subarea List Entry
Macro ID: IHAVSL
DSECT Name: VSL
Owning Component: Real Storage Manager (SC1CR)
Eye-Catcher ID: None
Storage Attributes: Virtual Storage: Yes
Subpool: USER SPECIFIED.
Key: USER SPECIFIED.
Residency: Below 16 megabytes virtual
Size: 8 bytes
Created by: Caller
Pointed to by: USER SPECIFIED.
Serialization: USER SPECIFIED.
Function: Describes a paging service to be performed on a range of virtual pages.

VSL Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	VSL	, VSLPTR
0	(0)	ADDRESS	4	VSLSTRT (0)	- FULL WORD REFERENCE TO VSLSTRTA
0	(0)	BITSTRING	1	VSLFLAG1	- FIRST FLAG FIELD
		1...		VSLCONT	"BIT0" - CONTINUATION FLAG. IF ON, VSLSTRTA POINTS TO THE NEXT VSL ENTRY. OTHERWISE, THIS IS A NORMAL VSL.
		.1..		VSLFIX	"BIT1" - PGFIX OPTION FLAG
		..1.		VSLFREE	"BIT2" - PGFREE OPTION FLAG
		...1		VSLOAD	"BIT3" - PGLOAD OPTION FLAG
		.... 1...		VSLRLS	"BIT4" - PGRLSE OPTION FLAG
		.... .1..		VSLANYW	"BIT5" - PAGE-ANYWHER OPTION FLAG
		.... ..1.		VSLONG	"BIT6" - LONG-TERM FIX OPTION FLAG FOR PGFIX
		1		VSLRSV2	"BIT7" - RESERVED
1	(1)	ADDRESS	3	VSLSTRTA	- START ADDRESS OF THE VIRTUAL SUBAREA TO BE PROCESSED
4	(4)	ADDRESS	4	VSLEND (0)	- FULL WORD REFERENCE FOR VSLENDA
4	(4)	BITSTRING	1	VSLFLAG2	- SECOND FLAG FIELD
		1...		VSLAST	"BIT0" - LAST ENTRY IN LIST OF REQUESTS FLAG
		.1..		VSLNULL	"BIT1" - NULL ENTRY FLAG. IF ON, INDICATES THAT THE ENTRY IS TO BE IGNORED.
		..1.		VSLRAO	"BIT2" - REAL ADDRESS OPTION FLAG. IF ON, THE REAL STORAGE ADDRESS ASSIGNED TO THE VIRTUAL AREA WILL BE STORED IN VSLENDA. NOT SUPPORTED IN VS2/2.
		...1		VSLERR	"BIT3" - RESERVED FOR MVS/370
		.... 1...		VSLRSV3	"BIT4" - RESERVED
		.... .1..		VSLPGOUT	"BIT5" - PERFORM A PAGE-OUT OPERATION
		.... ..1.		VSLKEPRL	"BIT6" - KEEP REAL FRAME AFTER PAGE-OUT
		1		VSLEXTRS	"BIT7" - RESERVED FOR EXPANSION
5	(5)	ADDRESS	3	VSLEND1A	- END ADDRESS PLUS 1 OF THE VIRTUAL SUBAREA DESCRIBED BY THIS ENTRY.
8	(8)	CHARACTER	1	VSLENDPT (0)	- END OF VIRTUAL SUBAREA LIST ENTRY
8	(8)	X'8'	0	VSLLEN	"VSLENDPT-VSL" - LENGTH OF VSL ENTRY

VSL Cross Reference

Name	Hex Offset	Hex Value
VSL	0	
VSLANYW	0	4
VSLAST	4	80
VSLCONT	0	80
VSLEND	4	
VSLENDPT	8	
VSLEND1A	5	
VSLERR	4	10
VSLEXTRS	4	1
VSLFIX	0	40
VSLFLAG1	0	
VSLFLAG2	4	
VSLFREE	0	20
VSLKEPRL	4	2
VSLLEN	8	8
VSLNULL	4	40
VSLOAD	0	10
VSLONG	0	2
VSLPGOUT	4	4
VSLRAO	4	20
VSLRLS	0	8
VSLRSV2	0	1
VSLRSV3	4	8
VSLSTRT	0	
VSLSTRTA	1	

VSMD Programming Interface Information

Programming Interface Information

VSMD

End of Programming Interface Information

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VSMD Heading Information

Common Name: VSM Descriptors
Macro ID: IGVVSMD
DSECT Name: VSMD
Owning Component: Virtual Storage Manager (SC1CH)
Serialization: None
Function: Describes information provided by VSMLIST service.

VSMD Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	VSMD	
0	(0)	SIGNED	4	VSMDSP (0)	SUBPOOL DESCRIPTOR
0	(0)	ADDRESS	1	VSMDFRMT	INDICATES FORMAT OF DESC.
1	(1)	ADDRESS	1	VSMDLEN	LENGTH OF THE DESCRIPTOR
2	(2)	ADDRESS	1	VSMDID	SUBPOOL ID
3	(3)	ADDRESS	1	VSMDKEY	STORAGE KEY (BITS 0 - 3)
3	(3)	BITSTRING	1	VSMDFLGS	MISCELLANEOUS FLAGS
		.... 1...		VSMDOWN	"X'08'" IF ONE, THE SUBPOOL IS OWNED
		.... .1..		VSMDSHR	"X'04'" IF ONE, THE SUBPOOL IS SHARED
		.... ..1.		VSMDINV	"X'02'" IF ONE, THE SUBPOOL IS INVALID
4	(4)	ADDRESS	4	VSMDTCBP	ADDRESS OF OWNING TCB OR ZERO
0	(0)	SIGNED	4	VSMDBLK (0)	BLOCK DESCRIPTOR
0	(0)	ADDRESS	4	VSMDAREA	ADDRESS OF BLOCK
4	(4)	ADDRESS	4	VSMDSIZE	SIZE OF THE BLOCK
0	(0)	ADDRESS	4	VSMDTCB	ADDRESS OF OWNING TCB
0	(0)	ADDRESS	4	VSMDCNT	NUMBER OF DESCRIPTORS THAT FOLLOW

VSMD Cross Reference

Name	Hex Offset	Hex Value
VSMD	0	
VSMDAREA	0	
VSMDBLK	0	
VSMDCNT	0	
VSMDFLGS	3	
VSMDFRMT	0	
VSMDID	2	
VSMDINV	3	2
VSMDKEY	3	
VSMDLEN	1	
VSMDOWN	3	8
VSMDSHR	3	4
VSMDSIZE	4	
VSMDSP	0	
VSMDTCB	0	
VSMDTCBP	4	

VSSA Heading Information

Common Name: Vector Status Save Area
Macro ID: IHAVSSA
DSECT Name: N/A
Owning Component: SC1C5 (Supervisor Control)
Eye-Catcher ID: N/A
Offset: N/A
Length: N/A
Storage Attributes: Main Storage: N/A
Virtual Storage: N/A
Auxiliary Storage: N/A
Subpool: N/A
Key: N/A
Data Space: N/A
Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: Provide data mapping for the VSSA.

VSSA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	VSSA	
0	(0)	CHARACTER	320	VSSAFSZB	Beginning of static portion of VSSA
0	(0)	CHARACTER	4	VSSAVSSA	VSSA Acronym in EBCDIC
4	(4)	ADDRESS	4	VSSARPTR	Pointer to VSSAVREG
8	(8)	BITSTRING	8	VSSAEVST	Vector Activity Count at dispatch
16	(10)	BITSTRING	8	VSSAVNUT	Cumulative time task has not used the VF
24	(18)	BITSTRING	8	VSSAVAC	Vector Activity Count at preemption
32	(20)	CHARACTER	20	VSSAR020	RESERVED
52	(34)	UNSIGNED	2	VSSASCSZ	Vector Section Size
54	(36)	UNSIGNED	2	VSSAPSUM	Vector Partial Sum
56	(38)	BITSTRING	8	VSSAVSR	Vector Status Reg savearea
56	(38)	BITSTRING	1	VSSAVRV1	Vector Status Reg byte reserved by architecture
57	(39)	BITSTRING	1	VSSAVSRF	Vector Status Reg flags
		1111 111.		*	Vector Status Reg bits reserved by architecture
		1		VSSAMSKM	Vector Mask Mode indicator
58	(3A)	BITSTRING	2	VSSAVCT	Vector Count
60	(3C)	BITSTRING	2	VSSAVIX	Vector Interruption Index
62	(3E)	BITSTRING	1	VSSAVIU	Vector In-use bits
63	(3F)	BITSTRING	1	VSSAVCH	Vector Change bits
64	(40)	CHARACTER	256	VSSAVMR	Vector Mask Reg savearea
320	(140)	CHARACTER	0	VSSAFSZE	End of static portion of VSSA
320	(140)	CHARACTER	4	VSSAVREG (*)	Variable length savearea for Vector Regs. This savearea must begin on a boundary which is 8 times the Section Size (CVTVSS)

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VSSA Cross Reference

Name	Hex Offset	Hex Value
VSSA	0	
VSSAEVST	8	
VSSAFSZB	0	
VSSAFSZE	140	
VSSAMSKM	39	01
VSSAPSUM	36	
VSSARPTR	4	
VSSAR020	20	
VSSASCSZ	34	
VSSAVAC	18	
VSSAVCH	3F	
VSSAVCT	3A	
VSSAVIU	3E	
VSSAVIX	3C	
VSSAVMR	40	
VSSAVNUT	10	
VSSAVREG	140	
VSSAVRV1	38	
VSSAVSR	38	
VSSAVSRF	39	
VSSAVSSA	0	

VTSPL Heading Information

Common Name: Subsystem Vector Table Service Parameter List
Macro ID: IEFVTSPL
DSECT Name: VTSPL
Owning Component: Subsystem Interface (SC1B6)
Eye-Catcher ID: VTSP
Offset: 0
Length: 4
Storage Attributes: Subpool: ANY
Key: Caller's Key
Size: 52 bytes
Created by: Caller of IEFJSVEC
Pointed to by: Caller sets up register 1 pointing to a word which points to IEFVTSPL.
Serialization: None
Function: Maps the input to subsystem vector table service routine IEFJSVEC. IEFJSVEC has been superseded for external use by the IEFSSVT macro.

VTSPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	VTSPL	
0	(0)	CHARACTER	4	VTSID	IDENTIFIER 'VTSP'
4	(4)	SIGNED	2	VTSLEN	LENGTH OF PARAMETER LIST
6	(6)	BITSTRING	1	VTSVER	VERSION OF PARAMETER LIST
7	(7)	BITSTRING	1	VTSCONID	CONSOLE ID
8	(8)	BITSTRING	1	VTSFLGS	FLAGS
		1...		VTSGLOAD	"X'80'" LOAD TO GLOBAL INDICATOR
9	(9)	BITSTRING	1	VTSREQ	REQUEST FLAGS
		1...		VTSCREAT	"X'80'" CREATE NEW SSVT
		.1..		VTSFCDIS	"X'40'" DISABLE SELECTED FUNCTION CODES OF EXISTING SSVT
		..1.		VTSFCEN	"X'20'" ENABLE SELECTED FUNCTION CODES OF EXISTING SSVT
10	(A)	CHARACTER	2	VTSRSV1	RESERVED
12	(C)	CHARACTER	4	VTSNME	SUBSYSTEM NAME
16	(10)	SIGNED	4	VTSSVTD	ADDRESS OF SSVT TABLE DATA
20	(14)	SIGNED	4	VTSSVTAD	ADDRESS OF SSVT (RETURNED)
24	(18)	SIGNED	4	VTSSSCVT	ADDRESS OF SSCVT (RETURNED)
28	(1C)	CHARACTER	8	VTSFUNCT	FUNCTION ROUTINE NAME BEING PROCESSED WHEN AN ERROR OCCURRED
36	(24)	SIGNED	4	VTSCNSID	4 Byte Console ID
40	(28)	CHARACTER	8	VTSCART	Command And Response Token
48	(30)	CHARACTER	4	VTSRSV2	Reserved
48	(30)	X'34'	0	VTSSIZE	"*-VTSPL" LENGTH OF PARAMETER LIST
48	(30)	X'E3E2D7'	0	VTSCID	"C'VTSP'" Identifier
48	(30)	X'2'	0	VTSCVER	"2" Current version number

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VTSPL Cross Reference

Name	Hex Offset	Hex Value
VTSCART	28	
VTSCID	30	E3E2D7
VTSCNSID	24	
VTSCONID	7	
VTSCREAT	9	80
VTSCVER	30	2
VTSFCDIS	9	40
VTSFCEN	9	20
VTSFLGS	8	
VTSFUNCT	1C	
VTSGLOAD	8	80
VTSID	0	
VTSLEN	4	
VTSNME	C	
VTSPL	0	
VTSREQ	9	
VTSRSV1	A	
VTSRSV2	30	
VTSSIZE	30	34
VTSSSCVT	18	
VTSSVTAD	14	
VTSSVTD	10	
VTSVER	6	

VUNT Heading Information

Common Name: VOLUNIT Table Entry
Macro ID: IEFZB423
DSECT Name: VOLUNTAB
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230
Key: Key 1
Residency: Above
Size: 40 Bytes
Created by: IEFAB423
Pointed to by: DDWAVUAD (contained within IEFZDDWA)
Serialization: None
Function: Defines volume/unit requirements of requests for Common Allocation.

VUNT Map

Offsets Dec	Offsets Hex	Type	Len	Name (Dim)	Description
0	(0)	STRUCTURE	40	VOLUNTAB	FORMAT OF VOLUNIT ENTRY
0	(0)	CHARACTER	6	VOLID	VOLUME SERIAL NUMBER
6	(6)	CHARACTER	4	VOLSTAT	STATUS BYTES
6	(6)	BITSTRING	1	VOLSTATA	REQUEST INDICATORS
		1...		VOLPUB	REQUEST NEEDS PUBLIC VOLUME
		.1..		VOLPRV	REQUEST NEEDS PRIVATE VOLUME
		..1.		VOLSPEC	REQUEST IS FOR SPECIFIC VOL
		...1		VOLSTG	REQUEST NEEDS STORAGE VOLUME
		.... 1...		VOLNSHR	VOLUME MUST BE NON-SHAREABLE
		.... .1..		VOLRESVE	VOLUM RESERVE WORK BIT
		.... ..1.		VUDADSM	REQUIRES DADSM
		1		VOLDEFER	DEFER MOUNT REQUEST
7	(7)	BITSTRING	1	VOLSTATB	REQUEST STATUS
		1...		VOLALOC	ENTRY HAS BEEN ALLOCATED
		.1..		VOLMNTD	VOL MUST BE MOUNTED BY END OF ALLOCATION
		..1.		VDEVREQD	ETIOT DEVICE ENTRY REQUIRED
		...1		VUPROCED	WORK BIT-AFFINITY PROCESSED
		.... 1...		VUDNALOC	RECOVERY NECESSARY FOR THIS ENTRY
		.... .1..		VUDADSME	RECOVERABLE DADSM ERROR ERROR HAS OCCURRED
		.... ..1.		VUVINELG	VOLUME IS MOUNTED ON INELIGIBLE OR UNLOCKED UNIT
		1		VUAFFWRK	VOLUME AFFINITY WORK BIT
8	(8)	BITSTRING	1	VOLSTATC	DEVICE CLASS
		1...		VOLTAREQ	TAPE REQUEST
		.1..		VOLCOREQ	COMM. REQUEST
		..1.		VOLDAREQ	DIRECT ACCESS REQUEST
		...1		VOLGRREQ	GRAPHICS REQUEST
		.... 1...		VOLURREQ	UNIT RECORD REQUEST
		.... .1..		VURECVRY	RECOVERY ATTEMPTED
		.... ..1.		VUNOSPTP	CLEAR JFCBVOLS WHEN BACKING OUT ALLOC
		1		VUWTPBST	WAIT UNTIL PROCESSING PUBLIC TO STORAGE REQUESTS
9	(9)	BITSTRING	1	VOLSTATD	REQUEST STATUS
		1...		VUMUGDON	MULTI-UNIT/GEN WORK BIT
		.1..		VUREALOC	REARRANGE WORK BIT
		..1.		VUDMNDOF	Demand request device is offline or pending offline
		...1		VUDMNDAL	DEMAND REQ DEV IS ALLOC'D
		.... 1...		VUUNALSW	MUST BACKOUT ALLOCATION
		.... .1..		VUDMUNIQ	FIRST REQ FOR UNAVAILABLE DEMANDED UNIT
		.... ..1.		VUVLUNIQ	FIRST REQ WITH VALIDITY CHECK FOR THIS VOLUME

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VUNT Cross Reference

Offsets Dec	Offsets Hex	Type	Len	Name (Dim)	Description
		1		VURCVYPR	RECOVERY PROCESSING DONE
10	(A)	SIGNED	2	VOLUNTID	UNIT IDENTIFIER
12	(C)	ADDRESS	4	VOLALGTP	ADDR OF ALGORITHM ENTRY
16	(10)	ADDRESS	4	VOLSIOTP	SIOT ADDRESS
20	(14)	ADDRESS	4	VUUCBP	PTR TO UCB OR PTR TO UCB POOL IF SU18 IN SYSTEM. Only valid for JES3 managed requests.
24	(18)	ADDRESS	4	VUGRID	PTR GROUP ID OR PTR TO THE GROUP ID LIST IF SU18 IS IN THE SYSTEM

Comment

Deleted VOLSMSMM, VOLIGNOR, VOLOGRPP and VOLOGRPC.

End of Comment

28	(1C)	ADDRESS	4	VUPEND	UCB address of a pending offline device. Prior to Recovery processing may contain the UCB address of a pending offline permres DASD or reserved volume required by a request. During and after Recovery, contains the UCB address of a pending offline device selected by the Installation Exit or operator for allocation.
32	(20)	BITSTRING	1	VOLSTATE	REQUEST STATUS
		1...		VUALCOFL	Needs Allocated/Offline Processor
		.1..		VUDEVSEL	Device contained in VUPEND was selected by the exit or operator
		..11 1111		*	Reserved
33	(21)	CHARACTER	3	*	Reserved
36	(24)	ADDRESS	4	VUSSIDRA	Pointer to SSI DRA

Offsets Dec	Offsets Hex	Type	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	VUPOOL	UCB POOL
0	(0)	SIGNED	4	VUPOOL#	# OF UCB'S IN POOL
4	(4)	ADDRESS	4	VUCBS (*)	UCB'S IN POOL

Offsets Dec	Offsets Hex	Type	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	VUGRLST	GROUP ID LIST
0	(0)	CHARACTER	8	VUGRLENT (*)	GROUP LIST ENTRIES
0	(0)	SIGNED	4	VUGRLIDS	GROUP IDS
4	(4)	SIGNED	4	*	RESERVED

VUNT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
VDEVREQD	7	20	VOLSTAT	6	
VOLALGTP	C		VOLSTATA	6	
VOLALOC	7	80	VOLSTATB	7	
VOLCOREQ	8	40	VOLSTATC	8	
VOLDAREQ	8	20	VOLSTATD	9	
VOLDEFER	6	01	VOLSTATE	20	
VOLGRREQ	8	10	VOLSTG	6	10
VOLID	0		VOLTAREQ	8	80
VOLMNTD	7	40	VOLUNTAB	0	
VOLNSHR	6	08	VOLUNTID	A	
VOLPRV	6	40	VOLURREQ	8	08
VOLPUB	6	80	VUAFFWRK	7	01
VOLRESVE	6	04	VUALCOFL	20	80
VOLSIOTP	10		VUCBS	4	
VOLSPEC	6	20	VUDADSM	6	02

Name	Hex Offset	Hex Value
VUDADSME	7	04
VUDEVSEL	20	40
VUDMNDAL	9	10
VUDMNDOF	9	20
VUDMUNIQ	9	04
VUDNALOC	7	08
VUGRID	18	
VUGRLENT	0	
VUGRLIDS	0	
VUGRLST	0	
VUMUGDON	9	80
VUNOSPTP	8	02
VUPEND	1C	
VUPOOL	0	
VUPOOL#	0	
VUPROCED	7	10
VURCVYPR	9	01
VUREALOC	9	40
VURECVRY	8	04
VUSSIDRA	24	
VUUCBP	14	
VUUNALSW	9	08
VUVINELG	7	02
VUVLUNIQ	9	02
VUWTPBST	8	01

WKAL Heading Information

Common Name: N/A
Macro ID: N/A
DSECT Name: N/A
Owning Component: N/A
Eye-Catcher ID: N/A
Offset: N/A
Length: N/A
Storage Attributes: Main Storage: N/A
Virtual Storage: N/A
Auxiliary Storage: N/A
Subpool: N/A
Key: N/A
Data Space: N/A
Residency: N/A
Size: N/A
Created by: AHLFINIT, GTFTRACE initialization
Pointed to by: GTFWALP in GTFAPP, format appendage parameter
USAGE: GTFTRACE formatting appendages may optionally GETMAIN
storage for use across trace records. They should fill
in the pointer and length when they do. Storage will be
freed after all trace records are processed by GTFTRACE
mainline. There is one entry in the list per FID, which
should be used as a zero-origin index into the list.
A third pointer is provided to point to parameters that
were specified for a particular FID.

Serialization: N/A
Function: Map the GTF TRACE work area list
5685-001
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WKAL Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	WKALHDR	, Work area list
0	(0)	BITSTRING	12	WKAL (0)	
0	(0)	ADDRESS	4	WKALARP	Work area pointer
4	(4)	SIGNED	4	WKALARL	Work area length
8	(8)	ADDRESS	4	WKALAPM	Appendage parameter pointer

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	APARM	, Appendage parameter
0	(0)	SIGNED	4	APARMP (0)	Parameter prefix
0	(0)	SIGNED	2	APARML	Length of text
2	(2)	SIGNED	2		Not used
4	(4)	CHARACTER	1	APARMT (0)	Text

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WKAL Cross Reference

Name	Hex Offset	Hex Value
APARM	0	
APARML	0	
APARMP	0	
APARMT	4	
WKAL	0	
WKALAPM	8	
WKALARL	4	
WKALARP	0	
WKALHDR	0	

WMST Heading Information

Common Name: System Resource Manager Workload Manager Specification Table
Macro ID: IRAWMST
DSECT Name: WMST (unless DSECT=NO is coded)
Owning Component: System Resource Manager (SC1CX)
Eye-Catcher ID: WMST
Offset: 0
Length: CHAR(4)
Storage Attributes: Subpool: 245
Key: 0
Residency: Above 16M line
Size: 176 bytes
Created by: IEAVNP10, IEEMB812, IRAMSBLD, IRAMSCHG
Pointed to by: RMCTWMST field of the RMCT data area
Serialization: SRM lock
Function: Contains the information required by the various SRM routines which reference the current SRM performance controls (either IEAIPSxx or the active service policy)

WMST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	192	WMST	
0	(0)	CHARACTER	4	WMSTNAME	TABLE IDENTIFICATION - 'WMST'
4	(4)	CHARACTER	2	WMSTID	PERF SPECIFICATION ID
6	(6)	SIGNED	2	WMSTUPGN	NUMBER OF UNIQUE VALID PGNS
8	(8)	ADDRESS	4	WMSTPGVT	PERF GRP VECTOR TABLE ADDR Valid only in compat mode
12	(C)	SIGNED	4	WMSTPGVS	PERF GRP VECTOR TABLE SIZE
12	(C)	SIGNED	4	WMSTSPTS	SPTE length
16	(10)	ADDRESS	4	WMSTPGDT	1ST PERF GRP DESCRIPTOR ADDR Valid only in compat mode
20	(14)	SIGNED	4	WMSTPGDS	TOT PERF GRP DESCRIPTOR SIZE
20	(14)	SIGNED	4	WMSTSCTS	SCTE length
24	(18)	ADDRESS	4	WMSTDMDT	FIRST DMN DESC ADDR
28	(1C)	SIGNED	4	WMSTDMDS	TOT DOMAIN DESC SIZE
32	(20)	ADDRESS	4	WMSTDMVT	DMN VECTOR TABLE ADDR Valid only in compat mode
36	(24)	SIGNED	4	WMSTDMVS	DMN VECTOR TABLE SIZE
40	(28)	ADDRESS	4	WMSTTSPT	TIME SLICE PTRN ADDR
44	(2C)	SIGNED	4	WMSTTSPS	TIME SLICE PTRN SIZE
48	(30)	ADDRESS	4	WMSTTSGT	TS GROUP TABLE ADDR
52	(34)	SIGNED	4	WMSTTSGS	TS GROUP TABLE SIZE
56	(38)	ADDRESS	4	WMSTWMCT	WMCT address
60	(3C)	SIGNED	4	WMSTSIC1	Internal service classes
60	(3C)	UNSIGNED	2	WMSTDUMP	$srmdump service class
62	(3E)	UNSIGNED	2	WMSTBEST	$srmbest service class
64	(40)	SIGNED	4	WMSTSIC2	Internal service classes
64	(40)	UNSIGNED	2	WMSTGOOD	$srmgood service class
66	(42)	UNSIGNED	2	WMSTDISC	$srmdisc service class
68	(44)	SIGNED	4	WMSTSIC3	Internal service classes
68	(44)	UNSIGNED	2	WMSTQSC	$srmqsc service class
70	(46)	UNSIGNED	2	*	reserved
72	(48)	SIGNED	4	WMSTWLML	Length of contiguous structures. Valid for skeleton IPS and when in WLM mode.
76	(4C)	SIGNED	4	WMSTSIWL	WORK SET LOW LIMIT
80	(50)	SIGNED	4	WMSTSIWH	WORK SET HIGH LIMIT
84	(54)	CHARACTER	8	WMSTIPM	MSO SERVICE COEFFCIENT
92	(5C)	ADDRESS	4	WMSTDMDE	DMN TAB LAST NTRY ADR

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Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
96	(60)	SIGNED	2	WMSTWLHI	HIGHEST WORKLD LEV SP
96	(60)	SIGNED	2	WMSTSCLO	Lowest valid static external service class index
98	(62)	SIGNED	2	WMSTPGHI	HIGH PGN IN IPS & INSTALLATION CONTROL SPECIFICATION
98	(62)	SIGNED	2	WMSTSCHI	Highest valid static external service class index
100	(64)	SIGNED	2	WMSTPGPC	TOTAL PERIODS IN IPS & INSTALLATION CONTROL SPECIFICATION
102	(66)	SIGNED	2	WMSTDMNC	TOT DOMAIN COUNT
104	(68)	UNSIGNED	2	WMSTWLMG	WLM service class index for SYSSTC
106	(6A)	UNSIGNED	2	WMSTWLMB	WLM service class index for SYSTEM
108	(6C)	SIGNED	4	*	Reserved
112	(70)	BITSTRING	8	WMSTTOC	TIME OF NEWIPS SYSEVENT
112	(70)	SIGNED	2	*	RESERVED
114	(72)	SIGNED	2	*	RESERVED
116	(74)	SIGNED	2	WMSTSIPL	PAGE RATE LOW LIMIT
118	(76)	SIGNED	2	WMSTSIPH	PAGE RATE HIGH LIMIT
120	(78)	SIGNED	4	WMSTCPU	CPU SERVICE COEFFICIENT
124	(7C)	SIGNED	4	WMSTIOC	IOC SERVICE COEFFICIENT
128	(80)	SIGNED	4	WMSTMSO	MSO SERVICE COEFFICIENT
132	(84)	SIGNED	4	WMSTSRB	SRB SERVICE COEF.
136	(88)	UNSIGNED	1	WMSTREAL	REAL TIME INDICATOR
137	(89)	UNSIGNED	1	WMSTFLAG	WMST CONTROL FLAGS
		1...		*	reserved
		.1..		WMSTMS6	MS6 has seen this Wmst
		..1.		WMSTIOQ	QUEUE I/O BY DPRTY
		...1		WMSTSICM	COMMON STRG ISOLATION ACTIVE
		.... 1...		WMSTSIPG	PRIVATE STRG ISOLATION ACTIVE
		.... .1..		WMSTSIWS	COMMON WORK SET SPEC
		.... ..1.		WMSTSIPI	COMMON PAGE RATE SPEC
		1		WMSTSIPS	INDICATES THAT A NEW WMST IS BEING BUILT BY IEEMB812 (SET IPS) PROCESSING AND THEREFORE THE NEWIPS SYSEVENT SHOULD CHECK TO INSURE THAT THE SYSTEM IS IN COMPATIBILITY MODE BEFORE ALLOWING THE NEWIPS TO BE PROCESSED
138	(8A)	SIGNED	2	WMSTNTU	NUMBER OF TUNITS/SEC
140	(8C)	ADDRESS	4	WMSTSET	SET PROCS ROUTINE ADDR
144	(90)	UNSIGNED	1	WMSTFLG2	FLAGS
		1...		WMSTDCTS	I/O SERVICE USES DEVICE CONNECT TIME RATHER THAN EXCP COUNTS
		.1..		WMST850E	IRA850E has been issued
		..1.		WMSTOVEL	Do not include I/O samples in velocity definition
		...1		WMSTREFR	Refresh the policy
		.... 1...		WMSTDAT	Dynamic alias tuning available on all systems
		.... .111		*	RESERVED
145	(91)	CHARACTER	3	WMSTRSV5	RESERVED
148	(94)	ADDRESS	4	WMSTNWST	SET PROCS NXT WMST ADR
152	(98)	SIGNED	2	WMSTMXPG	HIGHEST PGN IN IPS
154	(9A)	SIGNED	2	WMSTPERS	NUM OF PERIODS IN IPS
156	(9C)	CHARACTER	4	WMSTIPC	CPU SERVICE COEF.
160	(A0)	CHARACTER	4	WMSTIPI	I/O SERVICE COEF.
164	(A4)	CHARACTER	2	WMSTIPSS	Last valid IPS suffix used in compat mode or 00x
166	(A6)	CHARACTER	2	WMSTICSS	Last valid ICS suffix used in compat mode or 00x
168	(A8)	CHARACTER	4	WMSTIPB	SRB SERVICE COEF.
172	(AC)	ADDRESS	4	WMSTNPOL	Next Policy Address - Valid during policy instantiation only
176	(B0)	ADDRESS	4	WMSTCSTR	CSTR address (goal and compat)
180	(B4)	UNSIGNED	1	WMSTCSEQ	Classification sequence number (goal and compat)
181	(B5)	CHARACTER	3	*	Reserved
184	(B8)	ADDRESS	4	*	Reserved
188	(BC)	ADDRESS	4	*	Reserved
192	(C0)	CHARACTER	0	WMSTEND	END OF WMST End of this block

WMST Constants

Len	Type	Value	Name	Description
4	DECIMAL	192	WMSTLEN	

WMST Cross Reference

Name	Hex Offset	Hex Value
WMST	0	
WMSTBEST	3E	
WMSTCPU	78	
WMSTCSEQ	B4	
WMSTCSTR	B0	
WMSTDAT	90	08
WMSTDCTS	90	80
WMSTDISC	42	
WMSTDMDE	5C	
WMSTDMDS	1C	
WMSTDMDT	18	
WMSTDMNC	66	
WMSTDMVS	24	
WMSTDMVT	20	
WMSTDUMP	3C	
WMSTEND	C0	
WMSTFLAG	89	
WMSTFLG2	90	
WMSTGOOD	40	
WMSTICSS	A6	
WMSTID	4	
WMSTIOC	7C	
WMSTIOQ	89	20
WMSTIPB	A8	
WMSTIPC	9C	
WMSTIPI	A0	
WMSTIPM	54	
WMSTIPSS	A4	
WMSTMSO	80	
WMSTMS6	89	40
WMSTMXPG	98	
WMSTNAME	0	
WMSTNPOL	AC	
WMSTNTU	8A	
WMSTNWST	94	
WMSTOVEL	90	20
WMSTPERS	9A	
WMSTPGDS	14	
WMSTPGDT	10	
WMSTPGHI	62	
WMSTPGPC	64	
WMSTPGVS	C	
WMSTPGVT	8	
WMSTQSC	44	
WMSTREAL	88	
WMSTREFR	90	10
WMSTRSV5	91	
WMSTSCHI	62	
WMSTSCLO	60	
WMSTSCTS	14	
WMSTSET	8C	
WMSTSICM	89	10
WMSTSIC1	3C	
WMSTSIC2	40	
WMSTSIC3	44	
WMSTSIPG	89	08
WMSTSIPH	76	
WMSTSIPI	89	02
WMSTSIPL	74	
WMSTSIPS	89	01
WMSTSIWH	50	
WMSTSIWL	4C	
WMSTSIWS	89	04
WMSTSPTS	C	
WMSTSRB	84	
WMSTTOC	70	
WMSTTSGS	34	
WMSTTSGT	30	
WMSTTSPS	2C	
WMSTTSPT	28	
WMSTUPGN	6	
WMSTWLHI	60	
WMSTWLMB	6A	
WMSTWLMG	68	
WMSTWLML	48	
WMSTWMCT	38	
WMST850E	90	40

WPL Programming Interface information

Programming Interface information

WPL

End of Programming Interface information

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WPL Heading Information

Common Name: WTO/WTOR/MLWTO/WTP PARAMETER LIST
Macro ID: IEZWPL
DSECT Name: WPLRF (DSECT CARD PRECEDES PREFIX). 'WPL' SHOULD BE THE LABEL FOR A USING STATEMENT FOR THE COMMON SECTION OF THE PARAMETER LIST.

WPLFLGS. IF A WPX IS NOT USED, THIS AREA WILL FOLLOW THE MESSAGE TEXT.
Owning Component: COMMUNICATIONS TASK (SC1CK)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: USER DEFINED SUBPOOL
Key: USER KEY
Residency: ABOVE OR BELOW THE 16M LINE
Size: VARIABLE
Created by: ISSUER OF WTO OR WTOR MACRO
Pointed to by: REGISTER 1, WHEN WTO OR WTOR IS ISSUED
Serialization: NONE
Function: PROVIDES A MAPPING OF THE WTO/R MACRO PARAMETER LIST.

WPL Map

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WPLRF	, START OF WTOR PREFIX (24-BIT PARM LIST)
0	(0)	ADDRESS	4	WPLRPTR (0)	POINTER TO REPLY BUFFER
0	(0)	SIGNED	1	WPLRLN	MAXIMUM LENGTH OF REPLY
1	(1)	ADDRESS	3	WPLRPTRA	ADDRESS OF REPLY BUFFER
4	(4)	ADDRESS	4	WPLRECB	ADDRESS OF REPLY ECB

Comment

WTOR PREFIX (31-BIT PARAMETER LIST)

End of Comment

0	(0)	X'0'	0	WPL31RF	"*" START OF WTOR PREFIX (31-BIT PARM LIST)
0	(0)	ADDRESS	4	WPL31RRP	ADDRESS OF REPLY BUFFER
		1...		WPL31RFG	"X'80'" INDICATES A WTOR
4	(4)	ADDRESS	4	WPL31REP	ADDRESS OF REPLY ECB

Comment

COMMON SECTION
IF THE TEXT PARAMETER IS SPECIFIED INSTEAD OF INLINE MESSAGE TEXT, THE VALUE OF WPLLPTXT WILL ONLY REFLECT THE 4 BYTE LENGTH OF THE POINTER.

End of Comment

0	(0)	X'0'	0	WPL	"*" START OF COMMON SECTION
0	(0)	SIGNED	2	WPLLGH (0)	FOR A 24-BIT WTOR PARMLIST, THIS IS THE MESSAGE LENGTH (COMBINED LENGTH OF MSG TEXT, MSG LENGTH FIELD AND MCS FLAGS FIELD)
0	(0)	SIGNED	1	WPL31RLN	IF WPL IS FOR A 31-BIT WTOR PARMLIST, THIS IS THE LENGTH OF THE REPLY BUFFER. OTHERWISE, THIS FIELD MUST BE ZERO
1	(1)	SIGNED	1	WPLLPTXT	MESSAGE LENGTH (COMBINED LENGTH OF MSG TEXT, MSG LENGTH FIELD AND MCS FLAGS FIELD

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					MCS FLAGS CHANGES TO THE MCS FLAGS WILL ALSO IMPACT THE MCS FLAGS IN IHAWQE AND IHACTM
					End of Comment
2	(2)	BITSTRING	2	WPLMCSF (0)	MCS FLAGS
2	(2)	BITSTRING	1	WPLMCSF1	FIRST BYTE OF MCS FLAGS
		1...		WPLMCSFA	"BIT0" ROUTE/DESCRIPTOR CODE FIELDS PRESENT
		.1..		WPLMCSFB	"BIT1" QUEUE TO CONSOLE IF ACTIVE (ID IN REG 0)
		..1.		WPLMCSFC	"BIT2" COMMAND RESPONSE
		...1		WPLMCSFD	"BIT3" MESSAGE TYPE FIELD EXISTS
		.... 1...		WPLMCSFE	"BIT4" THIS WPL IS A REPLY TO A WTOR
		.... .1..		WPLMCSFF	"BIT5" BROADCAST THIS MSG TO ALL ACTIVE CONSOLES
		.... ..1.		WPLMCSFG	"BIT6" QUEUE TO HARD COPY ONLY
		1		WPLMCSFH	"BIT7" QUEUE TO CONSOLE (ID IN REG 0)
3	(3)	BITSTRING	1	WPLMCSF2	SECOND BYTE OF MCS FLAGS
		1...		WPLMCSFI	"BIT0" DO NOT TIME STAMP THIS MESSAGE
		.1..		WPLMCSFJ	"BIT1" MLWTO INDICATOR
		..1.		WPLMCSFK	"BIT2" PRIMARY SUBSYSTEM USE ONLY JES3: DO NOT LOG MINOR WQE'S IF THE MAJOR IS NOT HARDCOPIED. JES2: NOT USED
		...1		WPLMCSFL	"BIT3" EXTENDED WPL FORMAT (WPX) EXISTS
		.... 1...		WPLMCSFM	"BIT4" THE MESSAGE IS AN OPERATOR COMMAND
		.... .1..		WPLMCSFN	"BIT5" BYPASS QUEUING MESSAGE TO HARD COPY
		.... ..1.		WPLMCSFO	"BIT6" WQEBLK KEYWORD SPECIFIED
		1		WPLRSV01	"BIT7" RESERVED
					Comment
					MESSAGE TEXT
					End of Comment
4	(4)	CHARACTER	126	WPLTXT (0)	MESSAGE TEXT (MAXIMUM 126 CHARACTERS)
4	(4)	CHARACTER	4	WPLADTXT (0)	MESSAGE TEXT ADDRESS (IF TEXT KEYWORD IS SPECIFIED, THIS FIELD WILL BE GENERATED, EVEN IF THE LINE TYPE IS '10'X)
4	(4)	CHARACTER	125		MESSAGE TEXT
129	(81)	CHARACTER	1	WPLTXTL	LAST BYTE OF MESSAGE TEXT
					Comment
					THE FOLLOWING FIELDS BEGIN IMMEDIATELY FOLLOWING THE LAST BYTE OF MESSAGE TEXT IF NO WPX WAS CREATED. IF A WPX WAS CREATED, WPLFLGS IS NOT USED.
					End of Comment
0	(0)	X'0'	0	WPLFLGS	"*" START OF WPL FLAGS FIELDS
					Comment
					DESCRIPTOR CODES
					End of Comment
0	(0)	BITSTRING	2	WPLDESC (0)	DESCRIPTOR CODES
0	(0)	BITSTRING	1	WPLDESC1	FIRST BYTE OF DESCRIPTOR CODES
		1...		WPLDESCA	"BIT0" SYSTEM FAILURE MESSAGE
		.1..		WPLDESCB	"BIT1" IMMEDIATE ACTION REQUIRED MESSAGE
		..1.		WPLDESCC	"BIT2" IMPORTANT INFORMATION MESSAGE
		...1		WPLDESCD	"BIT3" SYSTEM STATUS MESSAGE
		.... 1...		WPLDESCE	"BIT4" IMMEDIATE COMMAND RESPONSE MESSAGE
		.... .1..		WPLDESCF	"BIT5" JOB STATUS MESSAGE

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		WPLDESCG	"BIT6" APPLICATION PROGRAM/PROCESSOR MESSAGE OR DELETE AT TASK TERMINATION
		1		WPLDESCH	"BIT7" OUT-OF-LINE MESSAGE
1	(1)	BITSTRING	1	WPLDESC2	SECOND BYTE OF DESCRIPTOR CODES
		1...		WPLDESCI	"BIT0" OPERATOR'S REQUEST
		.1..		WPLDESCJ	"BIT1" TRACK COMMAND RESPONSE
		..1.		WPLDESCK	"BIT2" CRITICAL EVENTUAL ACTION REQUIRED
		...1		WPLDESCL	"BIT3" IMPORTANT INFORMATION MESSAGE
		.... 1...		WPLDESCM	"BIT4" PREVIOUSLY AUTOMATED
		.... .1..		WPLRSV10	"BIT5,,C'X'" RESERVED
		.... ..1.		WPLRSV11	"BIT6,,C'X'" RESERVED
		1		WPLRSV12	"BIT7,,C'X'" RESERVED

Comment

ROUTING CODES

End of Comment

2	(2)	BITSTRING	2	WPLROUT (0)	ROUTING CODES THESE CODES INDICATE THE FUNCTIONAL AREA OR AREAS TO WHICH A MESSAGE IS TO BE SENT.
2	(2)	BITSTRING	1	WPLROUT1	1ST BYTE OF ROUTING CODES
		1...		WPLROUTA	"BIT0" MASTER CONSOLE
		.1..		WPLROUTB	"BIT1" MASTER CONSOLE INFORMATIONAL
		..1.		WPLROUTC	"BIT2" TAPE POOL
		...1		WPLROUTD	"BIT3" DIRECT ACCESS POOL
		.... 1...		WPLROUTE	"BIT4" TAPE LIBRARY
		.... .1..		WPLROUTF	"BIT5" DISK LIBRARY
		.... ..1.		WPLROUTG	"BIT6" UNIT RECORD POOL
		1		WPLROUTH	"BIT7" TELEPROCESSING CONTROL
3	(3)	BITSTRING	1	WPLROUT2	2ND BYTE OF ROUTING CODES
		1...		WPLROUTI	"BIT0" SYSTEM SECURITY
		.1..		WPLROUTJ	"BIT1" SYSTEM/ERROR MAINTENANCE
		..1.		WPLROUTK	"BIT2" PROGRAMMER INFORMATION
		...1		WPLROUTL	"BIT3" EMULATOR INFORMATION
		.... 1...		WPLROUTM	"BIT4" USER ROUTING CODE
		.... .1..		WPLROUTN	"BIT5" USER ROUTING CODE
		.... ..1.		WPLROUTO	"BIT6" USER ROUTING CODE
		1		WPLROUTP	"BIT7" USER ROUTING CODE

Comment

MESSAGE TYPE FLAGS

End of Comment

4	(4)	BITSTRING	2	WPLMSGTY (0)	MESSAGE TYPE FLAGS
4	(4)	BITSTRING	1	WPLMSGT1	FIRST BYTE OF MESSAGE TYPE FLAGS
		1...		WPLMSGTA	"BIT0" MONITOR JOBNAMES
		.1..		WPLMSGTB	"BIT1" MONITOR STATUS
		..1.		WPLMSGTC	"BIT2" RESERVED
		...1		WPLMSGTD	"BIT3" INDICATES EXISTENCE OF QID FIELD IN WPL
		.... 1...		WPLRSV14	"BIT4,,C'X'" RESERVED
		.... .1..		WPLMSGTF	"BIT5" MONITOR SESS
		.... ..1.		WPLRSV15	"BIT6,,C'X'" RESERVED
		1		WPLRSV16	"BIT7,,C'X'" RESERVED
5	(5)	BITSTRING	1	WPLMSGT2	SECOND BYTE OF MESSAGE TYPE FLAGS
		1...		WPLRSV25	"BIT0,,C'X'" RESERVED
		.1..		WPLRSV26	"BIT1,,C'X'" RESERVED
		..1.		WPLRSV27	"BIT2,,C'X'" RESERVED
		...1		WPLRSV28	"BIT3,,C'X'" RESERVED
		.... 1...		WPLRSV29	"BIT4,,C'X'" RESERVED
		.... .1..		WPLRSV30	"BIT5,,C'X'" RESERVED
		.... ..1.		WPLRSV31	"BIT6,,C'X'" RESERVED
		1		WPLRSV32	"BIT7,,C'X'" RESERVED

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
6	(6)	SIGNED	2	WPLQID	RESERVED

Comment

MLWTO EXTENSION
THE FOLLOWING FIELDS ARE ALWAYS PRESENT WHEN MLWTO
IS SPECIFIED
IF A WPX IS GENERATED, THESE FIELDS WILL FOLLOW THE WPX

End of Comment

Comment

LINE TYPE FLAGS

End of Comment

0	(0)	BITSTRING	2	WPLLTF (0)	LINE TYPE FLAGS FOR WPLTXT
0	(0)	BITSTRING	1	WPLLTF1	1ST BYTE OF WPLTXT LINE TYPE FLAGS
		1...		WPLLTFA	"BIT0" CONTROL LINE
		.1..		WPLLTFB	"BIT1" LABEL LINE
		..1.		WPLLTFC	"BIT2" DATA LINE
		...1		WPLLTFD	"BIT3" END LINE
		.... 1...		WPLRSV17	"BIT4,,C'X'" RESERVED
		.... .1..		WPLRSV18	"BIT5,,C'X'" RESERVED
		.... ..1.		WPLRSV19	"BIT6,,C'X'" RESERVED
		1		WPLRSV20	"BIT7,,C'X'" RESERVED
1	(1)	BITSTRING	1	WPLLTF2	2ND BYTE OF WPLTXT LINE TYPE FLAGS
2	(2)	CHARACTER	1	WPLAREA	AREA IDENTIFICATION
3	(3)	SIGNED	1	WPLLINES	NUMBER OF LINES (1 + NUMBER OF WPLMLTXT LINES)
3	(3)	X'4'	0	WPLMLEXL	"*-WPLLTF" LENGTH OF MLWTO EXTENTION

Comment

THE FOLLOWING FIELDS ARE OPTIONAL FOR MLWTO. THEY REPRESENT
A MAPPING OF THE ENTRIES DESCRIBING MESSAGE TEXT LINES
CREATED IN ADDITION TO THE WPLTXT MESSAGE TEXT LINE

End of Comment

0	(0)	X'0'	0	WPLML	"*" START OF ADDITIONAL MLWTO LINE ENTRY
0	(0)	SIGNED	1	WPLML0	ALWAYS ZERO
1	(1)	SIGNED	1	WPLMLLEN	MESSAGE LENGTH FOR THIS LINE (LENGTH OF MESSAGE TEXT + 4)

Comment

LINE TYPE FLAGS FOR WPLMLTXT

End of Comment

2	(2)	BITSTRING	2	WPLMLLTF (0)	TYPE FLAGS FOR THIS LINE (WPLMLTXT)
2	(2)	BITSTRING	1	WPLMLLT1	1ST BYTE OF LINE TYPE FLAGS FOR WPLMLTXT
		1...		WPLMLLTA	"BIT0" CONTROL LINE
		.1..		WPLMLLTB	"BIT1" LABEL LINE
		..1.		WPLMLLTC	"BIT2" DATA LINE
		...1		WPLMLLTD	"BIT3" END LINE
		.... 1...		WPLRSV21	"BIT4,,C'X'" RESERVED
		.... .1..		WPLRSV22	"BIT5,,C'X'" RESERVED
		.... ..1.		WPLRSV23	"BIT6,,C'X'" RESERVED
		1		WPLRSV24	"BIT7,,C'X'" RESERVED
3	(3)	BITSTRING	1	WPLMLLT2	2ND BYTE OF LINE TYPE FLAGS FOR WPLMLTXT
4	(4)	CHARACTER	126	WPLMLTXT (0)	MESSAGE TEXT FOR THIS LINE (MAXIMUM 126 CHARACTERS)
4	(4)	CHARACTER	4	WPLMLADT (0)	MESSAGE TEXT ADDRESS (IF TEXT KEYWORD IS SPECIFIED, THIS FIELD WILL BE GENERATED, EVEN IF THE LINE TYPE IS '10'X)

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	CHARACTER	126		INLINE MESSAGE TEXT

Comment

THE FOLLOWING IS THE DECLARATION OF THE WPX WHICH IS
BUILT FOLLOWING THE TEXT WHEN MCS FLAG WPLMCSFL IS ON.

End of Comment

0	(0)	X'0'	0	WPX	"*" START OF WPL EXTENSION
0	(0)	ADDRESS	1	WPXVRSN	VERSION LEVEL
0	(0)	X'1'	0	WPXS220	"1" LEVEL OS/VS2 JBB2220
0	(0)	X'2'	0	WPXS410	"2" LEVEL HBB4410
0	(0)	X'3'	0	WPXS422	"3" LEVEL JBB4422
0	(0)	X'4'	0	WPXS603	"4" LEVEL HBB6603
0	(0)	X'4'	0	WPXVERN	"WPXS603" CURRENT VERSION LEVEL

Comment

MPF/SUBSMOD FLAGS

End of Comment

1	(1)	BITSTRING	1	WPXFLAGS	MPF/SUBSMOD FLAGS
		1...		WPXMPFSP	"BIT0" MESSAGE IS TO BE SUPPRESSED DUE TO MPF
		.1..		WPXMPFPR	"BIT1" MESSAGE WAS PROCESSED BY MPF AND IS NOT TO BE SUPPRESSED
		..1.		WPXNMOD	"BIT2" THE CHARACTERISTICS OF THE MESSAGE MAY NOT BE MODIFIED BY THE PRIMARY SUBSYSTEM
2	(2)	ADDRESS	1	WPXRPYLN	LENGTH OF REPLY BUFFER
3	(3)	ADDRESS	1	WPXLNGTH	LENGTH OF WPX

Comment

EXTENDED MCS FLAGS
CHANGES TO THE EXTENDED MCS FLAGS WILL ALSO IMPACT THE
EXTENDED MCS FLAGS IN IHAWQE AND IHACTM

End of Comment

4	(4)	BITSTRING	2	WPXMCSF1 (0)	EXTENDED MCS FLAGS
4	(4)	BITSTRING	1	WPXMCS1	FIRST BYTE OF EXTENDED MCS FLAGS
		1...		WPXBUSY	"BIT0" RETURN WITH BUSY RETURN CODE IF BUFFER LIMITS EXCEEDED
		.1..		WPXCONS	"BIT1" FOUR BYTE CONSOLE ID WAS SPECIFIED
		..1.		WPXDOMI	"BIT2" DOM ID WAS SPECIFIED
		...1		WPXCONN	"BIT3" CONNECT ID WAS SPECIFIED
		.... 1...		WPXWTOR	"BIT4" WTOR WITH EXTENDED PARM LIST
		.... .1..		WPXPRIO	"BIT5" PRIORITY WAS SPECIFIED
		.... ..1.		WPXCNM	"BIT6" CONSOLE NAME WAS SPECIFIED
5	(5)	BITSTRING	1	WPXMCS2	2ND BYTE OF EXTENDED MCS FLAGS
		1...		WPXTXTAD	"BIT0" TEXT ADDRESS WAS SPECIFIED
		.1..		WPXRSV1A	"BIT1" RESERVED
		..1.		WPXRSV48	"BIT2" RESERVED
		...1		WPXRSV49	"BIT3" RESERVED
		.... 1...		WPXRSV50	"BIT4" RESERVED
		.... .1..		WPXSYNC	"BIT5" PROCESS SYNCHRONOUS WITH RESPECT TO THE CALLER
		.... ..1.		WPXRSV51	"BIT6" RESERVED
		1		WPXRSV52	"BIT7" RESERVED
6	(6)	BITSTRING	2	WPXCPFLG (0)	FLAGS FOR CONTROL PROGRAM USE ONLY
6	(6)	BITSTRING	1	WPXCPFL1	FLAGS FOR CONTROL PROGRAM USE BYTE1
		1...		WPXRROK	"BIT0" RESTART RESOURCE IS NOT TO BE OBTAINED
		.1..		WPXNOHO	"BIT1" DON'T HOLD THE MESSAGE FOR TEN SECONDS
		..1.		WPXNLCK	"BIT2" DO NOT ATTEMPT TO OBTAIN ANY LOCKS
		...1		WPXACLW	"BIT3" USE ALTERNATE CPU LOADWAIT PATH
		.... 1...		WPXSPVD	"BIT4" SUPER PRIVILEDGED

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... .1..		WPXQNLY	"BIT5" MESSAGE GOES ONLY TO CONSOLE
		.... ..1.		WPXRSV56	"BIT6" RESERVED
		1		WPXRSV57	"BIT7" RESERVED
7	(7)	BITSTRING	1	WPXCPFL2	FLAGS FOR CONTROL PROGRAM USE BYTE2
		1...		WPXRSV60	"BIT0" RESERVED
		.1..		WPXRSV61	"BIT1" RESERVED
		..1.		WPXRSV62	"BIT2" RESERVED
		...1		WPXRSV63	"BIT3" RESERVED
		.... 1...		WPXRSV64	"BIT4" RESERVED
		.... .1..		WPXRSV65	"BIT5" RESERVED
		.... ..1.		WPXRSV66	"BIT6" RESERVED
		1		WPXRSV67	"BIT7" RESERVED
8	(8)	ADDRESS	4	WPXRPBUF	REPLY BUFFER ADDRESS
12	(C)	ADDRESS	4	WPXECBP	REPLY ECB ADDRESS
16	(10)	SIGNED	4	WPXSEQN (0)	DOM/CONNECT ID
16	(10)	ADDRESS	1	WPXSYSID	SYSTEM ID
17	(11)	ADDRESS	3	WPXSQID	DOM SEQUENCE NUMBER

Comment

DESCRIPTOR CODES

End of Comment

20	(14)	BITSTRING	2	WPXDESC (0)	DESCRIPTOR CODES
20	(14)	BITSTRING	1	WPXDESC1	FIRST BYTE OF DESCRIPTOR CODES
		1...		WPXDESCA	"BIT0" SYSTEM FAILURE MESSAGE
		.1..		WPXDESCB	"BIT1" IMMEDIATE ACTION REQUIRED MESSAGE
		..1.		WPXDESCC	"BIT2" EVENTUAL ACTION REQUIRED MESSAGE
		...1		WPXDESCD	"BIT3" SYSTEM STATUS MESSAGE
		.... 1...		WPXDESCE	"BIT4" IMMEDIATE COMMAND RESPONSE MESSAGE
		.... .1..		WPXDESCF	"BIT5" JOB STATUS MESSAGE
		.... ..1.		WPXDESCG	"BIT6" APPLICATION PROGRAM/PROCESSOR MESSAGE OR DELETE AT TASK TERMINATION
		1		WPXDESCH	"BIT7" OUT-OF-LINE MESSAGE
21	(15)	BITSTRING	1	WPXDESC2	SECOND BYTE OF DESCRIPTOR CODES
		1...		WPXDESCI	"BIT0" OPERATOR'S REQUEST
		.1..		WPXDESCJ	"BIT1" TRACK COMMAND RESPONSE
		..1.		WPXDESCK	"BIT2" CRITICAL EVENTUAL ACTION REQUIRED
		...1		WPXDESCL	"BIT3" DELIVERED BUT NOT HELD
		.... 1...		WPXRSV4	"BIT4,,C'X'" RESERVED
		.... .1..		WPXRSV5	"BIT5,,C'X'" RESERVED
		.... ..1.		WPXRSV6	"BIT6,,C'X'" RESERVED
		1		WPXRSV7	"BIT7,,C'X'" RESERVED
22	(16)	ADDRESS	2	WPXRSV8	RESERVED

Comment

128 ROUTING CODES

End of Comment

24	(18)	BITSTRING	16	WPXROUT (0)	ROUTING CODES THESE CODES INDICATE THE FUNCTIONAL AREA OR AREAS TO WHICH A MESSAGE IS TO BE SENT.
24	(18)	BITSTRING	1	WPXR001	1ST BYTE OF ROUTING CODES
		1...		WPXR01	"BIT0" MASTER CONSOLE
		.1..		WPXR02	"BIT1" MASTER CONSOLE INFORMATIONAL
		..1.		WPXR03	"BIT2" TAPE POOL
		...1		WPXR04	"BIT3" DIRECT ACCESS POOL
		.... 1...		WPXR05	"BIT4" TAPE LIBRARY
		.... .1..		WPXR06	"BIT5" DISK LIBRARY
		.... ..1.		WPXR07	"BIT6" UNIT RECORD POOL
		1		WPXR08	"BIT7" TELEPROCESSING CONTROL
25	(19)	BITSTRING	1	WPXR002	2ND BYTE OF ROUTING CODES
		1...		WPXR09	"BIT0" SYSTEM SECURITY

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.1..		WPXR10	"BIT1" SYSTEM/ERROR MAINTENANCE
		..1.		WPXR11	"BIT2" PROGRAMMER INFORMATION
		...1		WPXR12	"BIT3" EMULATOR INFORMATION
		.... 1...		WPXR13	"BIT4" USER ROUTING CODE
		.... .1..		WPXR14	"BIT5" USER ROUTING CODE
		.... ..1.		WPXR15	"BIT6" USER ROUTING CODE
		1		WPXR16	"BIT7" USER ROUTING CODE
26	(1A)	BITSTRING	1	WPXR003	3RD BYTE OF ROUTING CODES
27	(1B)	BITSTRING	1	WPXR004	4TH BYTE OF ROUTING CODES
28	(1C)	BITSTRING	1	WPXR005	5TH BYTE OF ROUTING CODES
29	(1D)	BITSTRING	1	WPXR006	6TH BYTE OF ROUTING CODES
30	(1E)	BITSTRING	1	WPXR007	7TH BYTE OF ROUTING CODES
31	(1F)	BITSTRING	1	WPXR008	8TH BYTE OF ROUTING CODES
32	(20)	BITSTRING	1	WPXR009	9TH BYTE OF ROUTING CODES
33	(21)	BITSTRING	1	WPXR010	10TH BYTE OF ROUTING CODES
34	(22)	BITSTRING	1	WPXR011	11TH BYTE OF ROUTING CODES
35	(23)	BITSTRING	1	WPXR012	12TH BYTE OF ROUTING CODES
36	(24)	BITSTRING	1	WPXR013	13TH BYTE OF ROUTING CODES
37	(25)	BITSTRING	1	WPXR014	14TH BYTE OF ROUTING CODES
38	(26)	BITSTRING	1	WPXR015	15TH BYTE OF ROUTING CODES
39	(27)	BITSTRING	1	WPXR016	16TH BYTE OF ROUTING CODES

Comment

MESSAGE TYPE FLAGS

End of Comment

40	(28)	BITSTRING	2	WPXMSGTY (0)	MESSAGE TYPE FLAGS
40	(28)	BITSTRING	1	WPXMSGT1	FIRST BYTE OF MESSAGE TYPE FLAGS
		1...		WPXMSGTA	"BIT0" MONITOR JOBNAMES
		.1..		WPXMSGTB	"BIT1" MONITOR STATUS
		..1.		WPXRSV9	"BIT2,,C'X'" RESERVED
		...1		WPXRSV10	"BIT3,,C'X'" RESERVED
		.... 1...		WPXRSV11	"BIT4,,C'X'" RESERVED
		.... .1..		WPXMSGTF	"BIT5" MONITOR SESS
		.... ..1.		WPXRSV12	"BIT6,,C'X'" RESERVED
		1		WPXRSV13	"BIT7,,C'X'" RESERVED
41	(29)	BITSTRING	1	WPXMSGT2	SECOND BYTE OF MESSAGE TYPE FLAGS
		1...		WPXRSV14	"BIT0,,C'X'" RESERVED
		.1..		WPXRSV15	"BIT1,,C'X'" RESERVED
		..1.		WPXRSV16	"BIT2,,C'X'" RESERVED
		...1		WPXRSV17	"BIT3,,C'X'" RESERVED
		.... 1...		WPXRSV18	"BIT4,,C'X'" RESERVED
		.... .1..		WPXRSV19	"BIT5,,C'X'" RESERVED
		.... ..1.		WPXRSV20	"BIT6,,C'X'" RESERVED
		1		WPXRSV21	"BIT7,,C'X'" RESERVED
42	(2A)	ADDRESS	2	WPXPRTY	MESSAGE'S PRIORITY
44	(2C)	CHARACTER	8	WPXJOBID	JOB ID
52	(34)	CHARACTER	8	WPXJOBNM	JOBNAME
60	(3C)	CHARACTER	8	WPXKEY	RETRIEVAL KEY
68	(44)	ADDRESS	4	WPXTOKN	TOKEN FOR DOM
72	(48)	ADDRESS	4	WPXCNID	CONSOLE ID
76	(4C)	CHARACTER	8	WPXSYSNA	SYSTEM NAME
84	(54)	CHARACTER	8	WPXCNNME	CONSOLE NAME
92	(5C)	ADDRESS	4	WPXRCNA	ADDRESS OF 12 BYTE FIELD FOR REPLYING CONSOLE NAME/ID
96	(60)	ADDRESS	4	WPXCART	ADDRESS OF CART
100	(64)	ADDRESS	4	WPXWSPRM	ADDRESS OF WAIT STATE PARM LIST
104	(68)	ADDRESS	4	WPXASCB	ASCB ADDRESS
108	(6C)	CHARACTER	16	WPXRSV30	RESERVED
108	(6C)	X'7C'	0	WPXLEN	"*-WPX" LENGTH OF THE WPX
108	(6C)	X'68'	0	WPX2LEN	"104" LENGTH OF VERSION 2 WPX
108	(6C)	X'7C'	0	WPX4LEN	"124" LENGTH OF VERSION 4 WPX

WPL Cross Reference

Name	Hex Offset	Hex Value
WPL	0	0
WPLADTXT	4	
WPLAREA	2	
WPLDESC	0	
WPLDESCA	0	80
WPLDESCB	0	40
WPLDESCC	0	20
WPLDESCD	0	10
WPLDESCE	0	8
WPLDESCF	0	4
WPLDESCG	0	2
WPLDESCH	0	1
WPLDESCI	1	80
WPLDESCJ	1	40
WPLDESCK	1	20
WPLDESCL	1	10
WPLDESCM	1	8
WPLDESC1	0	
WPLDESC2	1	
WPLFLGS	0	0
WPLLGH	0	
WPLLINES	3	
WPLLPTXT	1	
WPLLTF	0	
WPLLTFA	0	80
WPLLTFB	0	40
WPLLTFC	0	20
WPLLTFD	0	10
WPLLTF1	0	
WPLLTF2	1	
WPLMCSF	2	
WPLMCSFA	2	80
WPLMCSFB	2	40
WPLMCSFC	2	20
WPLMCSFD	2	10
WPLMCSFE	2	8
WPLMCSFF	2	4
WPLMCSFG	2	2
WPLMCSFH	2	1
WPLMCSFI	3	80
WPLMCSFJ	3	40
WPLMCSFK	3	20
WPLMCSFL	3	10
WPLMCSFM	3	8
WPLMCSFN	3	4
WPLMCSFO	3	2
WPLMCSF1	2	
WPLMCSF2	3	
WPLML	0	0
WPLMLADT	4	
WPLMLEXL	3	4
WPLMLLEN	1	
WPLMLLTA	2	80
WPLMLLTB	2	40
WPLMLLTC	2	20
WPLMLLTD	2	10
WPLMLLTF	2	
WPLMLLT1	2	
WPLMLLT2	3	
WPLMLTXT	4	
WPLML0	0	
WPLMSGTA	4	80
WPLMSGTB	4	40
WPLMSGTC	4	20
WPLMSGTD	4	10
WPLMSGTF	4	4
WPLMSGTY	4	
WPLMSGT1	4	
WPLMSGT2	5	
WPLQID	6	
WPLRECB	4	
WPLRF	0	
WPLRLN	0	
WPLROUT	2	
WPLROUTA	2	80
WPLROUTB	2	40
WPLROUTC	2	20
WPLROUTD	2	10
WPLROUTE	2	8
WPLROUTF	2	4
WPLROUTG	2	2
WPLROUTH	2	1
WPLROUTI	3	80
WPLROUTJ	3	40
WPLROUTK	3	20
WPLROUTL	3	10
WPLROUTM	3	8
WPLROUTN	3	4
WPLROUTO	3	2
WPLROUTP	3	1
WPLROUT1	2	
WPLROUT2	3	
WPLRPTR	0	
WPLRPTRA	1	
WPLRSV01	3	1
WPLRSV10	1	4
WPLRSV11	1	2
WPLRSV12	1	1
WPLRSV14	4	8
WPLRSV15	4	2
WPLRSV16	4	1
WPLRSV17	0	8
WPLRSV18	0	4
WPLRSV19	0	2
WPLRSV20	0	1
WPLRSV21	2	8
WPLRSV22	2	4
WPLRSV23	2	2
WPLRSV24	2	1
WPLRSV25	5	80
WPLRSV26	5	40
WPLRSV27	5	20
WPLRSV28	5	10
WPLRSV29	5	8
WPLRSV30	5	4
WPLRSV31	5	2
WPLRSV32	5	1
WPLTXT	4	
WPLTXTL	81	
WPL31REP	4	
WPL31RF	0	0
WPL31RFG	0	80
WPL31RLN	0	
WPL31RRP	0	
WPX	0	0
WPXACLW	6	10

Name	Hex Offset	Hex Value
WPXASCB	68	
WPXBUSY	4	80
WPXCART	60	
WPXCNID	48	
WPXCNM	4	2
WPXCNNME	54	
WPXCONN	4	10
WPXCONS	4	40
WPXCPFLG	6	
WPXCPFL1	6	
WPXCPFL2	7	
WPXDESC	14	
WPXDESCA	14	80
WPXDESCB	14	40
WPXDESCC	14	20
WPXDESCD	14	10
WPXDESCE	14	8
WPXDESCF	14	4
WPXDESCG	14	2
WPXDESCH	14	1
WPXDESCI	15	80
WPXDESCJ	15	40
WPXDESCK	15	20
WPXDESCL	15	10
WPXDESC1	14	
WPXDESC2	15	
WPXDOMI	4	20
WPXECBP	C	
WPXFLAGS	1	
WPXJOBID	2C	
WPXJOBNM	34	
WPXKEY	3C	
WPXLEN	6C	7C
WPXLNGTH	3	
WPXMCSF1	4	
WPXMCS1	4	
WPXMCS2	5	
WPXMPFPR	1	40
WPXMPFSP	1	80
WPXMSGTA	28	80
WPXMSGTB	28	40
WPXMSGTF	28	4
WPXMSGTY	28	
WPXMSGT1	28	
WPXMSGT2	29	
WPXNLCK	6	20
WPXNMOD	1	20
WPXNOHO	6	40
WPXPRIO	4	4
WPXPRTY	2A	
WPXQNLY	6	4
WPXRCNA	5C	
WPXROUT	18	
WPXRPBUF	8	
WPXRPYLN	2	
WPXRROK	6	80
WPXRSV1A	5	40
WPXRSV10	28	10
WPXRSV11	28	8
WPXRSV12	28	2
WPXRSV13	28	1
WPXRSV14	29	80
WPXRSV15	29	40
WPXRSV16	29	20
WPXRSV17	29	10
WPXRSV18	29	8
WPXRSV19	29	4
WPXRSV20	29	2
WPXRSV21	29	1
WPXRSV30	6C	
WPXRSV4	15	8
WPXRSV48	5	20
WPXRSV49	5	10
WPXRSV5	15	4
WPXRSV50	5	8
WPXRSV51	5	2
WPXRSV52	5	1
WPXRSV56	6	2
WPXRSV57	6	1
WPXRSV6	15	2
WPXRSV60	7	80
WPXRSV61	7	40
WPXRSV62	7	20
WPXRSV63	7	10
WPXRSV64	7	8
WPXRSV65	7	4
WPXRSV66	7	2
WPXRSV67	7	1
WPXRSV7	15	1
WPXRSV8	16	
WPXRSV9	28	20
WPXR001	18	
WPXR002	19	
WPXR003	1A	
WPXR004	1B	
WPXR005	1C	
WPXR006	1D	
WPXR007	1E	
WPXR008	1F	
WPXR009	20	
WPXR01	18	80
WPXR010	21	
WPXR011	22	
WPXR012	23	
WPXR013	24	
WPXR014	25	
WPXR015	26	
WPXR016	27	
WPXR02	18	40
WPXR03	18	20
WPXR04	18	10
WPXR05	18	8
WPXR06	18	4
WPXR07	18	2
WPXR08	18	1
WPXR09	19	80
WPXR10	19	40
WPXR11	19	20
WPXR12	19	10
WPXR13	19	8
WPXR14	19	4
WPXR15	19	2
WPXR16	19	1
WPXSEQN	10	
WPXSPVD	6	8
WPXSQID	11	
WPXSYNC	5	4
WPXSYSID	10	
WPXSYSNA	4C	
WPXS220	0	1

Name	Hex Offset	Hex Value
WPXS410	0	2
WPXS422	0	3
WPXS603	0	4
WPXTOKN	44	
WPXTXTAD	5	80
WPXVERN	0	4
WPXVRSN	0	
WPXWSPRM	64	
WPXWTOR	4	8
WPX2LEN	6C	68
WPX4LEN	6C	7C

WQE Programming Interface information

Programming Interface information

WQE

End of Programming Interface information

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WQE Heading Information

Common Name: WRITE-TO-OPERATOR QUEUE ELEMENT (WQE) DEFINITIONS
Macro ID: IHAWQE
DSECT Name: WQE, WQEMAJ, WQEMIN
Owning Component: COMMUNICATIONS TASK (SC1CK)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 229(CONSOLE PRIVATE AFTER SVC 35 PROCESSING), 239(WTO BRANCH ENTRY), 0(WTO/R ISSUERS SPACE DURING SVC 35 PROCESSING)
Key: 0
Residency: < 16 M
Size: 352 BYTES
Created by: IEAVH600, IEAVM600, IEAVBWTO
Pointed to by: ORERWQE - ORE DATA AREA
SSWTWQE - SSOB DATA AREA (MAJOR WQE)
SSWTMIN - SSOB DATA AREA (MINOR WQE)
UCMWTOQ - UCM DATA AREA (FIRST WQE)
UCMWQEND - UCM DATA AREA (LAST WQE)
CQEWQE - CQE DATA AREA
WQELKP - WQE DATA AREA (NEXT WQE)
WMNMNX2 - MINOR WQE DATA AREA (NEXT MINOR WQE)
WMJMMIN - MAJOR WQE DATA AREA (FIRST MINOR WQE)
Serialization: LOCAL AND CMS LOCKS
Function: A WQE IS CREATED FOR EVERY WTO/WTOR REQUEST.
IT CONTAINS INFORMATION ABOUT THE WTO/WTOR
ISSUER, ROUTING INSTRUCTIONS AND MESSAGE TEXT.

WQE Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	WQE	
0	(0)	ADDRESS	4	WQELKP	LINKAGE POINTER
4	(4)	SIGNED	4	WQENBR (0)	MESSAGE LENGTH (CCW COUNT FIELD)
4	(4)	SIGNED	2		NOT TO BE USED
6	(6)	SIGNED	2	WQETXTLN	ACTUAL TEXT LENGTH
8	(8)	SIGNED	2	WQERTCT	ROUTED WQE COUNT
10	(A)	SIGNED	2	WQEUSE	WQE USE COUNT
12	(C)	CHARACTER	1	WQEPAD	- BLANK Y02710
13	(D)	CHARACTER	8	WQETS	- TIME STAMP Y02710
21	(15)	CHARACTER	1	WQEPAD1	- BLANK Y02710
22	(16)	CHARACTER	8	WQEJOBNM	JOBNAME INSERTED BY SUBSYSTEM Y02710
30	(1E)	CHARACTER	1	WQEPAD2	BLANK Y02710
31	(1F)	CHARACTER	128	WQETXT (0)	- MESSAGE TEXT (MAX 128 BYTES)
31	(1F)	CHARACTER	127		
158	(9E)	CHARACTER	1	WQETXTL	- LAST BYTE OF MESSAGE TEXT
159	(9F)	CHARACTER	1	WQEPAD3	- EXTRA BYTE SO REMAINING FIELDS ARE ON A WORD BOUNDARY - note, this field was used in OW26748, do not reuse
160	(A0)	BITSTRING	1	WQEXA	- DISPOSITION FLAGS
		1...		WQEPURGE	"BIT0" - PURGE THIS WQE
		.1..		WQEQFHC	"BIT1" - QUEUE FOR HARD COPY
		..1.		WQEORE	"BIT2" - ORE EXISTS FOR THIS WQE Y02710
		...1		WQEQDFHC	"BIT3" - QUEUED FOR HARD COPY
		.... 1...		WQEWTOR	"BIT4" - WQE CREATED FOR WTOR
		.... .1..		WQEDOM	"BIT5" - MESSAGE TO BE DOM'ED Y02710
		.... ..1.		WQESUSP	"BIT6" - PROCESSING TEMPORARILY SUSPENDED Y02710
		1		WQEAUTH	"BIT7" - MESSAGE ISSUED BY AUTHORIZED USER Y02710
161	(A1)	CHARACTER	2	WQEASID	- ASID OF USER Y02710

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
163	(A3)	BITSTRING	1	WQEAVAIL	- BUFFER STATUS FLAGS
		1...		WQEBUFA	"BIT0" - BUFFER IS FREE
		.1..		WQEBUFB	"BIT1" - BUFFER IS IN USE
		..1.		WQEBUFC	"BIT2" - READY FOR HARDCOPY Y02710
		...1		WQEBUFD	"BIT3" - BUFFER OBTAINED DYNAMICALLY
		.... 1...		WQEBUFE	"BIT4" - BUFFER HAS BEEN SERVICED
		.... .1..		WQEBUFF	"BIT5" - TPUT - TO DO Y02710
		.... ..1.		WQEBUFG	"BIT6" - WQE SUPPRESSED
		1		WQEMTRCD	"BIT7" - BUFFER HAS BEEN MASTER TRACED
164	(A4)	SIGNED	4	WQETCB	- POINTER TO USER'S TCB Y02710
168	(A8)	SIGNED	4	WQESEQ# (0)	WTO SEQUENCE NUMBER (DOM/CONNECT ID)
168	(A8)	SIGNED	1	WQESYSID	SYSTEM ID
169	(A9)	SIGNED	3	WQESEQN	24-BIT SEQUENCE NUMBER
172	(AC)	BITSTRING	2	WQEMCSF (0)	- MCS FLAGS
172	(AC)	BITSTRING	1	WQEMCSF1	- FIRST BYTE OF MCS FLAGS
		1...		WQEMCSA	"BIT0" - ROUTING AND DESCRIPTOR CODE FIELDS EXIST
		.1..		WQEMCSB	"BIT1" - QUEUE AT LEAST TO UCM ENTRY PASSED IN REG 0 (IF THE CONSOLE IS ACTIVE)
		..1.		WQEMCSC	"BIT2" - COMMAND RESPONSE (INCLUDES HARD COPY)
		...1		WQEMCSD	"BIT3" - MESSAGE TYPE FLAGS FIELD EXISTS
		.... 1...		WQEMCSE	"BIT4" - THIS WTO IS A REPLY TO A WTOR
		.... .1..		WQEMCSFF	"BIT5" - BROADCAST TO ACTIVE CONSOLES
		.... ..1.		WQEMCSG	"BIT6" - QUEUE FOR HARD COPY ONLY
		1		WQEMCSH	"BIT7" - QUEUE UNCONDITIONALLY TO UCM ENTRY PASSED IN REG 0
173	(AD)	BITSTRING	1	WQEMCSF2	- SECOND BYTE OF MCS FLAGS
		1...		WQEMCSI	"BIT0" - NO TIME STAMP
		.1..		WQEMCSJ	"BIT1" - MUST BE ZERO
		..1.		WQEMCSK	"BIT2" PRIMARY SUBSYSTEM USE ONLY: JES3: DO NOT LOG MINOR WQES IF THE MAJOR IS NOT HARDCOPIED JES2: NOT USED
		...1		WQEMCSL	"BIT3" EXTENDED WPL FORMAT (WPX) EXISTS
		.... 1...		WQEMCSM	"BIT4" - THE MESSAGE IS AN OPERATOR COMMAND
		.... .1..		WQEMCSN	"BIT5" - BYPASS QUEUING TO HARD COPY (FOR USERS OPERATING IN PROTECT KEY 0 ONLY)
		.... ..1.		WQEMCSO	"BIT6" WQEBLK KEYWORD SPECIFIED
		1		WQEMCSP	"BIT7" RESERVED
174	(AE)	BITSTRING	2	WQEMSGTP (0)	- MESSAGE TYPE FLAGS
174	(AE)	BITSTRING	1	WQEMSGT1	- FIRST BYTE OF MESSAGE TYPE FLAGS
		1...		WQEMSGTA	"BIT0" - DISPLAY JOBNAMES
		.1..		WQEMSGTB	"BIT1" - DISPLAY STATUS
		..1.		WQEMSGTC	"BIT2" - MONITOR ACTIVE
		...1		WQEMSGTD	"BIT3" - INDICATES EXISTENCE OF QID FIELD IN WPL (AOS/1) ICB468
		.... 1...		WQERSV13	"BIT4,,C'X'" - RESERVED
		.... .1..		WQEMSGTF	"BIT5" - MONITOR SESS
		.... ..1.		WQERSV14	"BIT6,,C'X'" - RESERVED
		1		WQERSV15	"BIT7,,C'X'" - RESERVED
175	(AF)	BITSTRING	1	WQEMSGT2	- SECOND BYTE OF MESSAGE TYPE FLAGS
176	(B0)	BITSTRING	2	WQEROUT (0)	- ROUTING CODES THESE CODES INDICATE THE FUNCTIONAL AREA OR AREAS TO WHICH A MESSAGE IS TO BE SENT.
176	(B0)	BITSTRING	1	WQEROUT1	- 1ST BYTE OF ROUTING CODES
		1...		WQEROUTA	"BIT0" - MASTER CONSOLE
		.1..		WQEROUTB	"BIT1" - MASTER CONSOLE INFORMATIONAL
		..1.		WQEROUTC	"BIT2" - TAPE POOL
		...1		WQEROUTD	"BIT3" - DIRECT ACCESS POOL
		.... 1...		WQEROUTE	"BIT4" - TAPE LIBRARY
		.... .1..		WQEROUTF	"BIT5" - DISK LIBRARY
		.... ..1.		WQEROUTG	"BIT6" - UNIT RECORD POOL
		1		WQEROUTH	"BIT7" - TELEPROCESSING CONTROL
177	(B1)	BITSTRING	1	WQEROUT2	- 2ND BYTE OF ROUTING CODES
		1...		WQEROUTI	"BIT0" - SYSTEM SECURITY
		.1..		WQEROUTJ	"BIT1" - SYSTEM/ERROR MAINTENANCE

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		..1.		WQEROUTK	"BIT2" - PROGRAMMER INFORMATION
		...1		WQEROUTL	"BIT3" - EMULATOR INFORMATION
		.... 1...		WQEROUTM	"BIT4" - USER ROUTING CODE
		.... .1..		WQEROUTN	"BIT5" - USER ROUTING CODE
		.... ..1.		WQEROUTO	"BIT6" - USER ROUTING CODE
		1		WQEROUTP	"BIT7" USER ROUTING CODE
178	(B2)	CHARACTER	1	WQECHAR1	1ST CHARACTER OF TEXT
179	(B3)	BITSTRING	1	WQEFLG3	- MISCELLANEOUS FLAGS
		1...		WQEDLVRD	"BIT0" - WQE HAS BEEN DELIVERED TO A CONSOLE ON THIS SYSTEM
		.1..		WQEDNDWQ	"BIT1" - DO NOT DELETE WTOR UNTIL THIS BIT IS OFF
		..1.		WQENSYL	"BIT2" - DO NOT SEND THIS MESSAGE TO SYSLOG
		...1		WQEJ3B1	"BIT3" - BIT FOR USE BY JES3 ONLY
		.... 1...		WQEJ3B2	"BIT4" - BIT FOR USE BY JES3 ONLY
180	(B4)	SIGNED	1	WQEUCMID	- UNIQUE UCM ENTRY ID
181	(B5)	BITSTRING	1	WQEFLG1	- MISCELLANEOUS FLAGS
		1...		WQEFLG11	"BIT0" - THIS MESSAGE WAS PROCESSED WHILE MPF WAS ACTIVE AND HARDCOPY WAS AVAILABLE
		.1..		WQERETAN	"BIT1" - MSG IS TO BE RETAINED BY AMRF
		..1.		WQENMOD	"BIT2" THE CHARACTERISTICS OF THE MESSAGE MAY NOT BE MODIFIED BY THE PRIMARY SUBSYSTEM
		...1		WQESQMC	"BIT3" ACTION MESSAGE NOT QUEUED TO ANY CONSOLE - DEFAULT TO MASTER CONSOLE
		.... 1...		WQENOJLG	"BIT4" SUPPRESS FROM JOB LOG
		.... .1..		WQEAUTOV	"BIT5" INDICATES MPF AUTO SUPPORTED
		.... ..1.		WQEPPNA	"BIT6" - PROBLEM PROGRAM NONACTION MSG
		1		WQERISS	"BIT7" - REISSUED MESSAGE
182	(B6)	CHARACTER	2	WQERPYID	- REPLY ID Y02710
184	(B8)	BITSTRING	2	WQEDESCD (0)	- DESCRIPTOR CODES
184	(B8)	BITSTRING	1	WQEDC1	- FIRST BYTE OF DESCRIPTOR CODES
		1...		WQEDCA	"BIT0" - SYSTEM FAILURE MESSAGE
		.1..		WQEDCB	"BIT1" - IMMEDIATE ACTION REQUIRED MESSAGE
		..1.		WQEDCC	"BIT2" - EVENTUAL ACTION REQUIRED MESSAGE
		...1		WQEDCD	"BIT3" - SYSTEM STATUS MESSAGE
		.... 1...		WQEDCE	"BIT4" - IMMEDIATE COMMAND RESPONSE MESSAGE
		.... .1..		WQEDCF	"BIT5" - JOB STATUS MESSAGE
		.... ..1.		WQEDCG	"BIT6" APPLICATION PROGRAM/PROCESSOR MESSAGE, OR DELETE AT TASK TERMINATION
		1		WQEDCH	"BIT7" - OUT-OF-LINE MESSAGE
185	(B9)	BITSTRING	1	WQEDC2	- SECOND BYTE OF DESCRIPTOR CODES
		1...		WQEDCI	"BIT0" OPERATOR REQUEST
		.1..		WQEDCJ	"BIT1" DYNAMIC STATUS DISPLAY
		..1.		WQEDCK	"BIT2" - CRITICAL EVENTUAL ACTION MSG - DESCRIPTOR CODE 11
		...1		WQEDCL	"BIT3" - IMPORTANT INFORMATION MESSAGE
		.... 1...		WQEDCM	"BIT4" - PREVIOUSLY AUTOMATED
		.... .1..		WQERSV23	"BIT5,,C'X'" - RESERVED
		.... ..1.		WQERSV24	"BIT6,,C'X'" - RESERVED
		1		WQERSV25	"BIT7,,C'X'" - RESERVED
186	(BA)	BITSTRING	1	WQERSV26	- RESERVED for 3rd byte of descriptor codes
187	(BB)	CHARACTER	1	WQEMCSCT	Count of MCS-only consoles to which a message is queued
188	(BC)	SIGNED	4	WQEJSTCB	- ADDRESS OF JOB STEP TCB Y02710
192	(C0)	BITSTRING	1	WQEVRSN	VERSION LEVEL
192	(C0)	X'1'	0	WQESP211	"1" JBB2110 VERSION LEVEL
192	(C0)	X'2'	0	WQESP220	"2" JBB2220 VERSION LEVEL
192	(C0)	X'3'	0	WQESP410	"3" HBB4410 VERSION LEVEL
192	(C0)	X'4'	0	WQESP422	"4" JBB4422 VERSION LEVEL
192	(C0)	X'5'	0	WQESP440	"5" HBB5510 VERSION LEVEL
192	(C0)	X'8'	0	WQE32623	"8" OW32623 version level which means a) all diagnostics flags from OW26748 have been removed b) The byte originally reserved for the 4th byte of descriptor codes is ow the routed to only-MCS consoles count
192	(C0)	X'8'	0	WQEVRID	"WQE32623" THE CURRENT VERSION LEVEL
193	(C1)	BITSTRING	1	WQEFLG2	MISC FLAGS BYTE 2

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		1...		WQEHNDL	"BIT0" THIS MSG WILL BE DISPLAYED BY ANOTHER CONSOLE HANDLER. DO NOT FORCE MSG TO MASTER CONSOLE IF NOT ROUTED.
		.1..		WQERSV98	"BIT1" Must be unused in WQE mapping
		..1.		WQEFORN	"BIT2" FOREIGN WQE
		...1		WQETRANS	"BIT3" WQE HAS BEEN TRANSPORTED TO ANOTHER SYSTEM
		.... 1...		WQESUPSJ	"BIT4" ON = DON'T DISPLAY SYSTEM NAME OR JOB NAME
		.... .1..		WQEQXSYS	"BIT5" ON = QUEUED TO A CONSOLE ON ANOTHER SYSTEM IN THE SYSPLEX
		.... ..1.		WQEQEXT	"BIT6" ON = QUEUED TO AN EXTENDED CLASS
		1		WQEQMCS	"BIT7" ON = QUEUED TO AN MCS CONSOLE
194	(C2)	CHARACTER	2	WQEMCSEF (0)	EXTENDED MCS FLAGS
194	(C2)	BITSTRING	1	WQEMCSE1	FIRST BYTE
		1...		WQEEBUSY	"BIT0" RETURN WITH BUSY RETURN CODE IF BUFFER LIMITATIONS EXCEEDED
		.1..		WQEECONS	"BIT1" FOUR-BYTE CONSOLE ID SPECIFIED
		..1.		WQEEDOMI	"BIT2" DOM ID WAS SPECIFIED
		...1		WQEECONN	"BIT3" CONNECT ID WAS SPECIFIED
		.... 1...		WQEEWTOR	"BIT4" WTOR WITH EXTENDED PARAMETER LIST
		.... .1..		WQEEPRIO	"BIT5" PRIORITY WAS SPECIFIED
		.... ..1.		WQECNM	"BIT6" CONSOLE NAME SPECIFIED
195	(C3)	BITSTRING	1	WQEMCSE2	SECOND BYTE OF EXT MCS FLAGS
		1...		WQEETXTA	"BIT0" UNUSED IN WQE - TEXT ADDRESS PARM SPECIFIED ON WTO MACRO
		.1..		WQERSV99	"BIT1" RESERVED
		..1.		WQEEDBCS	"BIT2" RESERVED
		...1		WQEEIDBC	"BIT3" RESERVED
		.... 1...		WQERSV1B	"BIT4" RESERVED
		.... .1..		WQEESYNC	"BIT5" PROCESS SYNCHRONOUS WITH RESPECT TO THE CALLER
		.... ..1.		WQERSV1C	"BIT6" RESERVED
		1		WQERSV1D	"BIT7" RESERVED
196	(C4)	CHARACTER	8	WQESYSNM	THE NAME OF THE SYSTEM ON WHICH THIS MESSAGE WAS ISSUED
204	(CC)	CHARACTER	5	WQEDATE	DATE WTO ISSUED
209	(D1)	CHARACTER	3	WQETS2 (0)	TENTHS AND HUNDREDTHS OF A SECOND
209	(D1)	CHARACTER	1	WQEPER3	DECIMAL POINT IN TIME
210	(D2)	CHARACTER	2	WQETS2TH	TENTHS AND HUNDREDTHS OF A SECOND
212	(D4)	CHARACTER	4	WQEXMOD (0)	COPY OF REQUEST FLAGS (CTXTRFLG) FROM THE WTO USER EXIT INTERFACE
212	(D4)	CHARACTER	3	WQERFLGS (0)	COMM TASK USER EXIT REQUESTS
212	(D4)	BITSTRING	1	WQERFB1	REQUEST FLAGS BYTE ONE
		1...		WQERCMT	"BIT0" CHANGE THE MESSAGE TEXT
		.1..		WQERCRC	"BIT1" CHANGE THE ROUTING CODE(S)
		..1.		WQERCDC	"BIT2" CHANGE THE DESCRIPTOR CODE(S)
		...1		WQERQPC	"BIT3" QUEUE TO A PARTICULAR ACTIVE CONSOLE
		.... 1...		WQERQUN	"BIT4" QUEUE TO A PARTICULAR CONSOLE UNCONDITIONALLY
		.... .1..		WQERQRC	"BIT5" QUEUE BY ROUTING CODES ONLY
		.... ..1.		WQERCCN	"BIT6" CHANGE THE CONSOLE ID
		1		WQERPML	"BIT7" PROCESS MINOR LINES
213	(D5)	BITSTRING	1	WQERFB2	REQUEST FLAGS BYTE TWO
		1...		WQERDTM	"BIT0" DELETE THE MESSAGE
		.1..		WQEROMS	"BIT1" OVERRIDE MPF SUPPRESSION
		..1.		WQERFHC	"BIT2" FORCE HARDCOPY
		...1		WQERNHC	"BIT3" FORCE NO HARDCOPY
		.... 1...		WQERHCO	"BIT4" FORCE HARDCOPY ONLY
		.... .1..		WQERBCA	"BIT5" BROADCAST MESSAGE TO ACTIVE CONSOLES
		.... ..1.		WQERBCN	"BIT6" DO NOT BROADCAST MESSAGE TO ACTIVE CONSOLES
		1		WQERNRT	"BIT7" AMRF IS NOT TO RETAIN THIS MSG
214	(D6)	BITSTRING	1	WQERFB3	REQUEST FLAGS BYTE THREE
		1...		WQERRET	"BIT0" AMRF IS TO RETAIN THIS MSG

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.1..		WQERCKY	"BIT1" CHANGE THE RETRIEVAL KEY
		..1.		WQERCFC	"BIT2" CHANGE THE 4-BYTE CONSOLE ID
		...1		WQERCMF	"BIT3" CHANGE THE MESSAGE TYPE FLAGS
		.... 1...		WQERANO	"BIT4" AUTOMATION IS NOT REQUIRED
		.... .1..		WQERAYS	"BIT5" AUTOMATION IS REQUIRED AND/OR AUTOMATION TOKEN UPDATED
		.... ..1.		WQEQHCO	"BIT6" MESSAGE ISSUED HARDCOPY ONLY
		1		WQEHUD	"BIT7" UD TO HARDCOPY FLAG
215	(D7)	BITSTRING	1	WQESUPB	SUPPRESSION BYTE
		1...		WQESNSV	"BIT0" NOT SERVICED BY ANY WTO USER EXIT ROUTINE
		.1..		WQESEER	"BIT1" ESTAE ERROR IN IEAVX600
		..1.		WQESNSI	"BIT2" NOT SERVICED BECAUSE OF AN INCOMPATIBLE REQUEST
		...1		WQESAUT	"BIT3" INDICATE AUTOMATION SPECIFIED
		.... 1...		WQESQED	"BIT4" NOT QUEUED TO ANY CONSOLE
		.... .1..		WQESSSI	"BIT5" SUPPRESSED BY A SUBSYSTEM
		.... ..1.		WQESWTO	"BIT6" SUPPRESSED BY A WTO USER EXIT ROUTINE
		1		WQESMPF	"BIT7" SUPPRESSED BY MPF
216	(D8)	SIGNED	2	WQEMLVL (0)	MESSAGE LEVEL MASK FOR QUEUING
216	(D8)	BITSTRING	1	WQEML1	FIRST BYTE OF LEVEL INDICATOR
		1...		WQEMLR	"BIT0" WTOR
		.1..		WQEMLIA	"BIT1" IMMEDIATE ACTION MESSAGE
		..1.		WQEMLCE	"BIT2" CRITICAL EVENTUAL ACTION MESSAGE
		...1		WQEMLE	"BIT3" EVENTUAL ACTION MESSAGE
		.... 1...		WQEMLI	"BIT4" INFORMATIONAL MESSAGE
		.... .1..		WQEMLBC	"BIT5" BROADCAST MESSAGE
217	(D9)	BITSTRING	1	WQEML2	RESERVED
218	(DA)	SIGNED	2	WQELENG	WQE SIZE
220	(DC)	SIGNED	4	WQEDSQN	UNIVERSAL DISPLAY SEQUENCE NUMBER
224	(E0)	BITSTRING	16	WQEERC (0)	EXTENDED ROUTING CODES
224	(E0)	BITSTRING	1	WQEERC1	BYTE 1 - EXTENDED ROUTING CODES
		1...		WQERC1	"BIT0" MASTER CONSOLE
		.1..		WQERC2	"BIT1" MASTER CONSOLE INFORMATIONAL
		..1.		WQERC3	"BIT2" TAPE POOL
		...1		WQERC4	"BIT3" DIRECT ACCESS POOL
		.... 1...		WQERC5	"BIT4" TAPE LIBRARY
		.... .1..		WQERC6	"BIT5" DISK LIBRARY
		.... ..1.		WQERC7	"BIT6" UNIT RECORD POOL
		1		WQERC8	"BIT7" TELEPROCESSING CONTROL
225	(E1)	BITSTRING	1	WQEERC2	BYTE 2 - EXTENDED ROUTING CODES
		1...		WQERC9	"BIT0" SYSTEM SECURITY
		.1..		WQERC10	"BIT1" SYSTEM/ERROR MAINTENANCE
		..1.		WQERC11	"BIT2" PROGRAMMER INFORMATION
		...1		WQERC12	"BIT3" EMULATOR INFORMATION
		.... 1...		WQERC13	"BIT4" USER ROUTING CODE
		.... .1..		WQERC14	"BIT5" USER ROUTING CODE
		.... ..1.		WQERC15	"BIT6" USER ROUTING CODE
		1		WQERC16	"BIT7" USER ROUTING CODE
226	(E2)	BITSTRING	1	WQEERC3	BYTE 3 - EXTENDED ROUTING CODES
		1...		WQERC17	"BIT0" USER ROUTING CODE
		.1..		WQERC18	"BIT1" USER ROUTING CODE
		..1.		WQERC19	"BIT2" USER ROUTING CODE
		...1		WQERC20	"BIT3" USER ROUTING CODE
		.... 1...		WQERC21	"BIT4" RESERVED FOR JES USAGE
		.... .1..		WQERC22	"BIT5" RESERVED FOR JES USAGE
		.... ..1.		WQERC23	"BIT6" RESERVED FOR JES USAGE
		1		WQERC24	"BIT7" RESERVED FOR JES USAGE
227	(E3)	BITSTRING	1	WQEERC4	BYTE 4 - EXTENDED ROUTING CODES
		1...		WQERC25	"BIT0" RESERVED FOR JES USAGE
		.1..		WQERC26	"BIT1" RESERVED FOR JES USAGE
		..1.		WQERC27	"BIT2" RESERVED FOR JES USAGE
		...1		WQERC28	"BIT3" RESERVED FOR JES USAGE
		.... 1...		WQERC29	"BIT4" RESERVED
		.... .1..		WQERC30	"BIT5" RESERVED

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		WQERC31	"BIT6" RESERVED
		1		WQERC32	"BIT7" RESERVED
228	(E4)	BITSTRING	1	WQEERC5	BYTE 5 - EXTENDED ROUTING CODES
		1...		WQERC33	"BIT0" RESERVED
		.1..		WQERC34	"BIT1" RESERVED
		..1.		WQERC35	"BIT2" RESERVED
		...1		WQERC36	"BIT3" RESERVED
		.... 1...		WQERC37	"BIT4" RESERVED
		.... .1..		WQERC38	"BIT5" RESERVED
		.... ..1.		WQERC39	"BIT6" RESERVED
		1		WQERC40	"BIT7" RESERVED
229	(E5)	BITSTRING	1	WQEERC6	BYTE 6 - EXTENDED ROUTING CODES
		1...		WQERC41	"BIT0" JOB STATUS MESSAGE
		.1..		WQERC42	"BIT1" GENERAL INFO ABOUT JES2 OR JES3
		..1.		WQERC43	"BIT2" RESERVED FOR JES USAGE
		...1		WQERC44	"BIT3" RESERVED FOR JES USAGE
		.... 1...		WQERC45	"BIT4" RESERVED FOR JES USAGE
		.... .1..		WQERC46	"BIT5" RESERVED FOR JES USAGE
		.... ..1.		WQERC47	"BIT6" RESERVED FOR JES USAGE
		1		WQERC48	"BIT7" RESERVED FOR JES USAGE
230	(E6)	BITSTRING	1	WQEERC7	BYTE 7 - EXTENDED ROUTING CODES
		1...		WQERC49	"BIT0" RESERVED FOR JES USAGE
		.1..		WQERC50	"BIT1" RESERVED FOR JES USAGE
		..1.		WQERC51	"BIT2" RESERVED FOR JES USAGE
		...1		WQERC52	"BIT3" RESERVED FOR JES USAGE
		.... 1...		WQERC53	"BIT4" RESERVED FOR JES USAGE
		.... .1..		WQERC54	"BIT5" RESERVED FOR JES USAGE
		.... ..1.		WQERC55	"BIT6" RESERVED FOR JES USAGE
		1		WQERC56	"BIT7" RESERVED FOR JES USAGE
231	(E7)	BITSTRING	1	WQEERC8	BYTE 8 - EXTENDED ROUTING CODES
		1...		WQERC57	"BIT0" RESERVED FOR JES USAGE
		.1..		WQERC58	"BIT1" RESERVED FOR JES USAGE
		..1.		WQERC59	"BIT2" RESERVED FOR JES USAGE
		...1		WQERC60	"BIT3" RESERVED FOR JES USAGE
		.... 1...		WQERC61	"BIT4" RESERVED FOR JES USAGE
		.... .1..		WQERC62	"BIT5" RESERVED FOR JES USAGE
		.... ..1.		WQERC63	"BIT6" RESERVED FOR JES USAGE
		1		WQERC64	"BIT7" RESERVED FOR JES USAGE
232	(E8)	BITSTRING	1	WQEERC9	BYTE 9 - EXTENDED ROUTING CODES
		1...		WQERC65	"BIT0" PROCESSOR RELATED MESSAGE
		.1..		WQERC66	"BIT1" PROCESSOR RELATED MESSAGE
		..1.		WQERC67	"BIT2" PROCESSOR RELATED MESSAGE
		...1		WQERC68	"BIT3" PROCESSOR RELATED MESSAGE
		.... 1...		WQERC69	"BIT4" PROCESSOR RELATED MESSAGE
		.... .1..		WQERC70	"BIT5" PROCESSOR RELATED MESSAGE
		.... ..1.		WQERC71	"BIT6" PROCESSOR RELATED MESSAGE
		1		WQERC72	"BIT7" PROCESSOR RELATED MESSAGE
233	(E9)	BITSTRING	1	WQEERC10	BYTE 10 - EXTENDED ROUTING CODES
		1...		WQERC73	"BIT0" PROCESSOR RELATED MESSAGE
		.1..		WQERC74	"BIT1" PROCESSOR RELATED MESSAGE
		..1.		WQERC75	"BIT2" PROCESSOR RELATED MESSAGE
		...1		WQERC76	"BIT3" PROCESSOR RELATED MESSAGE
		.... 1...		WQERC77	"BIT4" PROCESSOR RELATED MESSAGE
		.... .1..		WQERC78	"BIT5" PROCESSOR RELATED MESSAGE
		.... ..1.		WQERC79	"BIT6" PROCESSOR RELATED MESSAGE
		1		WQERC80	"BIT7" PROCESSOR RELATED MESSAGE
234	(EA)	BITSTRING	1	WQEERC11	BYTE 11 - EXTENDED ROUTING CODES
		1...		WQERC81	"BIT0" PROCESSOR RELATED MESSAGE
		.1..		WQERC82	"BIT1" PROCESSOR RELATED MESSAGE
		..1.		WQERC83	"BIT2" PROCESSOR RELATED MESSAGE
		...1		WQERC84	"BIT3" PROCESSOR RELATED MESSAGE
		.... 1...		WQERC85	"BIT4" PROCESSOR RELATED MESSAGE
		.... .1..		WQERC86	"BIT5" PROCESSOR RELATED MESSAGE
		.... ..1.		WQERC87	"BIT6" PROCESSOR RELATED MESSAGE

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		1		WQERC88	"BIT7" PROCESSOR RELATED MESSAGE
235	(EB)	BITSTRING	1	WQEERC12	BYTE 12 - EXTENDED ROUTING CODES
		1...		WQERC89	"BIT0" PROCESSOR RELATED MESSAGE
		.1..		WQERC90	"BIT1" PROCESSOR RELATED MESSAGE
		..1.		WQERC91	"BIT2" PROCESSOR RELATED MESSAGE
		...1		WQERC92	"BIT3" PROCESSOR RELATED MESSAGE
		.... 1...		WQERC93	"BIT4" PROCESSOR RELATED MESSAGE
		.... .1..		WQERC94	"BIT5" PROCESSOR RELATED MESSAGE
		.... ..1.		WQERC95	"BIT6" PROCESSOR RELATED MESSAGE
		1		WQERC96	"BIT7" PROCESSOR RELATED MESSAGE
236	(EC)	BITSTRING	1	WQEERC13	BYTE 13 - EXTENDED ROUTING CODES
		1...		WQERC97	"BIT0" DEVICE RELATED MESSAGE
		.1..		WQERC98	"BIT1" DEVICE RELATED MESSAGE
		..1.		WQERC99	"BIT2" DEVICE RELATED MESSAGE
		...1		WQERC100	"BIT3" DEVICE RELATED MESSAGE
		.... 1...		WQERC101	"BIT4" DEVICE RELATED MESSAGE
		.... .1..		WQERC102	"BIT5" DEVICE RELATED MESSAGE
		.... ..1.		WQERC103	"BIT6" DEVICE RELATED MESSAGE
		1		WQERC104	"BIT7" DEVICE RELATED MESSAGE
237	(ED)	BITSTRING	1	WQEERC14	BYTE 14 - EXTENDED ROUTING CODES
		1...		WQERC105	"BIT0" DEVICE RELATED MESSAGE
		.1..		WQERC106	"BIT1" DEVICE RELATED MESSAGE
		..1.		WQERC107	"BIT2" DEVICE RELATED MESSAGE
		...1		WQERC108	"BIT3" DEVICE RELATED MESSAGE
		.... 1...		WQERC109	"BIT4" DEVICE RELATED MESSAGE
		.... .1..		WQERC110	"BIT5" DEVICE RELATED MESSAGE
		.... ..1.		WQERC111	"BIT6" DEVICE RELATED MESSAGE
		1		WQERC112	"BIT7" DEVICE RELATED MESSAGE
238	(EE)	BITSTRING	1	WQEERC15	BYTE 15 - EXTENDED ROUTING CODES
		1...		WQERC113	"BIT0" DEVICE RELATED MESSAGE
		.1..		WQERC114	"BIT1" DEVICE RELATED MESSAGE
		..1.		WQERC115	"BIT2" DEVICE RELATED MESSAGE
		...1		WQERC116	"BIT3" DEVICE RELATED MESSAGE
		.... 1...		WQERC117	"BIT4" DEVICE RELATED MESSAGE
		.... .1..		WQERC118	"BIT5" DEVICE RELATED MESSAGE
		.... ..1.		WQERC119	"BIT6" DEVICE RELATED MESSAGE
		1		WQERC120	"BIT7" DEVICE RELATED MESSAGE
239	(EF)	BITSTRING	1	WQEERC16	BYTE 16 - EXTENDED ROUTING CODES
		1...		WQERC121	"BIT0" DEVICE RELATED MESSAGE
		.1..		WQERC122	"BIT1" DEVICE RELATED MESSAGE
		..1.		WQERC123	"BIT2" DEVICE RELATED MESSAGE
		...1		WQERC124	"BIT3" DEVICE RELATED MESSAGE
		.... 1...		WQERC125	"BIT4" DEVICE RELATED MESSAGE
		.... .1..		WQERC126	"BIT5" DEVICE RELATED MESSAGE
		.... ..1.		WQERC127	"BIT6" DEVICE RELATED MESSAGE
		1		WQERC128	"BIT7" DEVICE RELATED MESSAGE
240	(F0)	CHARACTER	8	WQEKEY	RETRIEVAL KEY
248	(F8)	SIGNED	4	WQETOKN	TOKEN FOR DOM
252	(FC)	CHARACTER	4	WQECNID	FULLWORD CONSOLE ID
256	(100)	CHARACTER	8	WQEOJBID	ORIGINATING JOB ID
264	(108)	CHARACTER	8	WQEOJBNM	ORIGINATING JOB NAME
272	(110)	ADDRESS	2	WQEPRTY	MESSAGE'S PRIORITY
274	(112)	CHARACTER	8	WQEAUTOT	AUTOMATION TOKEN VALUE
282	(11A)	CHARACTER	4	WQEERFS (0)	EXTENDED REQUEST FLAGS (FROM THE USER EXIT TO THE SYSTEM)
282	(11A)	BITSTRING	1	WQEERF1	REQUEST FLAGS BYTE ONE
		1...		WQEEMRY	"X'80'" PRIMARY SUBSYSTEM CAN ALTER MSG ROUTING
		.1..		WQEEMRN	"X'40'" PRIMARY SUBSYSTEM CAN NOT ALTER MSG ROUTING
		..1.		WQEEMCO	"X'20'" REQUEST TO CHANGE MESSAGE COLOR
		...1		WQEEMHI	"X'10'" REQUEST TO CHANGE MESSAGE HIGHLIGHTING
		.... 1...		WQEEMIN	"X'08'" REQUEST TO CHANGE MESSAGE INTENSITY
283	(11B)	BITSTRING	1	WQEERF2	REQUEST FLAGS BYTE TWO
284	(11C)	BITSTRING	1	WQEERF3	REQUEST FLAGS BYTE THREE

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		WQEESJL	"X'80'" REQUEST TO SUPPRESS MESSAGE FROM THE JOBLOG
		.1..		WQENWTP	"X'40'" REQUEST TO NOT DO WTP PROCESSING (NO SYSMSG OR TPUT)
285	(11D)	BITSTRING	1	WQEERF4	REQUEST FLAGS BYTE FOUR
286	(11E)	BITSTRING	1	WQEJ3RTC	JES3 GLOBAL ROUTING - FOR USE BY JES3 ONLY
287	(11F)	BITSTRING	1	WQEJ3MRC	GLOBAL MESSAGE ROUTING CONTROLS - FOR USE BY JES3 ONLY
288	(120)	BITSTRING	2	WQEJ3CON	JES3 CONSOLE ID (FOR MINOR WQE PROCESSING) - FOR USE BY JES3 ONLY
290	(122)	CHARACTER	8	WQECNNME	CONSOLE NAME
298	(12A)	CHARACTER	8	WQECART	CART TOKEN
306	(132)	CHARACTER	2	WQEXIF (0)	MISCELLANEOUS AND MINOR ERROR INFORMATION FLAGS
306	(132)	BITSTRING	1	WQEXIF1	MISC AND MINOR ERROR FLAG BYTE 1
		1...		WQEXTTR	"BIT0" MESSAGE TEXT WAS TRUNCATED
		.1..		WQEXNVT	"BIT1" INVALID USER EXIT TEXT MODIFICATION
		..1.		WQEXMER	"BIT2" MUTUALLY EXCLUSIVE USER EXIT REQUESTS MADE
		...1		WQEXIRM	"BIT3" INCOMPATIBLE USER EXIT REQUESTS MADE
		.... 1...		WQEDMDB	"BIT4" DOM MDBS HAVE BEEN BUILT
307	(133)	BITSTRING	1	WQEXIF2	MISC AND MINOR ERROR FLAG BYTE 2
		1...		WQEQONLY	"BIT0" REISSUED WQE VIA WQEBLK ON SAME SYS
		.1..		WQEAMRFO	"BIT1" WQE IS FOR AMRF PURPOSES ONLY
		..1.		WQEAMRFA	"BIT2" AMRF IS ACTIVE ON ISSUING SYSTEM
		...1		WQEQD	"BIT3" WQE WENT THROUGH QUEUEING ALREADY
		.... 1...		WQEWTPR	"BIT4" WTP REQUEST - ROUTE CODE 11 WAS ON AFTER CALLING WTO USER EXIT
		.... .1..		WQEMFR	"BIT5" WQE WAS MODIFIED FOR REISSUE BY QUEUING
		.... ..1.		WQEAMRFR	"BIT6" ISSUED FOR AMRF REFRESH
		1		WQEQTSYS	"BIT7" QUEUE MESSAGE JUST ON THIS SYSTEM
308	(134)	SIGNED	4	WQEXTUSE	EXTENDED MCS QUEUER USE COUNT
312	(138)	ADDRESS	4	WQESRCPT	POINTER TO SAVED SYSIDS USED FOR CONNECTING WTO MESSAGES IN A SYSPLEX
316	(13C)	BITSTRING	1	WQEBENIP	BRANCH ENTRY/NIP FLAGS
		1...		WQEDOMD	"BIT0" MESSAGE HAS PREVIOUSLY BEEN DOM'D
		.1..		WQENBEW	"BIT1" WQE CREATED BY NIP OR BE WTO
		..1.		WQENHABD	"BIT2" HAS ALREADY BEEN DISPLAYED
		...1		WQEASCB	"BIT3" ASCB SPECIFIED
317	(13D)	BITSTRING	1	WQEQDSYS	WQE DESTINATIONS COUNTER
318	(13E)	CHARACTER	1	WQECASEL	MESSAGE COLOR
319	(13F)	CHARACTER	1	WQEHASEL	MESSAGE HIGHLIGHTING
320	(140)	CHARACTER	1	WQEIASEL	MESSAGE INTENSITY

Comment

MISCELLANEOUS ROUTING INFORMATION
NOTE - ANY FIELDS ADDED HERE MUST ALSO BE ADDED IN THE FOLLOWING:
UCM, ODTE, RCTB, MDB

End of Comment

321	(141)	BITSTRING	1	WQEMISC	MISCELLANEOUS ROUTING INFORMATION
		1...		WQEUD	"BIT0" DISPLAY UD MESSAGES
		.1..		WQEFUDO	"BIT1" DISPLAY ONLY UD MESSAGES
		..1.		WQEFIDO	"BIT2" QUEUE BY ID ONLY
		...1		WQEAUTO	"BIT3" QUEUE BY AUTOMATION
		.... 1...		WQEHC	"BIT4" QUEUE BY HARDCOPY
322	(142)	BITSTRING	2	WQETSNT	TOTAL COUNT OF TDPS SENT OUT FOR THIS MESSAGE
324	(144)	SIGNED	4	WQERPYIB	BINARY REPLY ID
328	(148)	BITSTRING	4	WQETS3	STCK TIME STAMP Note - if task has been in a wait for resources, this is the time after returning from the wait
332	(14C)	BITSTRING	4	WQEFTOD	AMRF FAILURE TIME
336	(150)	CHARACTER	8	WQEKQLST (0)	K Q CONSOLE ID LIST

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
336	(150)	SIGNED	4	WQEKQL1	K Q CONSOLE ID 1
340	(154)	SIGNED	4	WQEKQL2	K Q CONSOLE ID 2
344	(158)	ADDRESS	1	WQERIDL	LENGTH OF REPLY ID IN MESSAGE TEXT
345	(159)	BITSTRING	1	WQEMISCC	MISCELLANEOUS CONTROL PROGRAM FLAGS
		1...		WQESPVD	"BIT0" WQE BACKLOG MESSAGE
		.1..		WQEPRIV	"BIT1" Original issuer was privileged
		..1.		WQEQNLY	"BIT2" Send to the console and nowhere else.
346	(15A)	CHARACTER	2	WQECENT	Century portion of date, in EBCDIC
348	(15C)	BITSTRING	4	WQELTOD	Reserved - only used in major WQE
348	(15C)	X'160'	0	WQEL	"*" END OF WQE
348	(15C)	X'160'	0	WQESIZE	"WQEL-WQE" LENGTH OF WQE

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WQEMAJ	, - MAJOR WQE
0	(0)	X'0'	0	WMJM	"*" - START OF MAJOR WQE
0	(0)	ADDRESS	4	WMJMEXT	POINTER TO NEXT WQE
4	(4)	BITSTRING	1	WMJMMLW	- MLWTO FLAGS
		1...		WMJMMLWA	"BIT0" - DO NOT QUEUE MLWTO TO CONSOLES
		.1..		WMJMMLWB	"BIT1" - MAJOR WQE
		..1.		WMJMMLWC	"BIT2" - MINOR WQE
		...1		WMJMMLWD	"BIT3" - CHAIN ALTERED
		.... 1...		WMJMMLWE	"BIT4" - WTL ISSUED
		.... .1..		WMJMMLWF	"BIT5" - QUEUEING TO START AT TOP OF CHAIN
		.... ..1.		WMJMMLWG	"BIT6" - SERVICE THIS CHAIN
		1		WMJMMLWH	"BIT7" - MINOR WQE QUEUED HAS NO TEXT
5	(5)	CHARACTER	1	WMJMAREA	- AREA ID
6	(6)	SIGNED	2	WMJMTXTL	- LENGTH OF TEXT
8	(8)	SIGNED	2	WMJMRTCT	ROUTED WQE COUNT
10	(A)	SIGNED	2	WMJMUC	USE COUNT
12	(C)	CHARACTER	1	WMJMPAD	- BLANK Y02710
13	(D)	CHARACTER	8	WMJMTS	- TIME STAMP Y02710
21	(15)	CHARACTER	1	WMJMPAD1	- BLANK Y02710
22	(16)	CHARACTER	8	WMJMJBNM	- JOBNAME INSERTED BY SUBSYSTEM Y02710
30	(1E)	CHARACTER	1	WMJMPAD2	- BLANK Y02710
31	(1F)	CHARACTER	72	WMJMTXT	- MESSAGE TEXT (MAXIMUM OF 72 BYTES)
103	(67)	CHARACTER	4	WMJMHCID	- HARDCOPY ID
107	(6B)	CHARACTER	1	WMJMPAD3	- BLANK INSERTED SO THAT REMAINING FIELDS ARE ON A WORD BOUNDARY Note, this field was used in OW26748 do not reuse
108	(6C)	SIGNED	4	WMJMRESA (2)	- DUMMY MINOR CREATED BY PURGE OS/VS2 Y02710
116	(74)	SIGNED	4	WQERSV29	- RESERVED Y02710
120	(78)	SIGNED	2	WQERSV30	- RESERVED
122	(7A)	BITSTRING	2	WMJMSER (0)	- LINE CONTROL FLAGS
122	(7A)	BITSTRING	1	WMJMSER1	- 1ST BYTE OF LINE CONTROL FLAGS
		1...		WMJMSERA	"BIT0" - C LINE IN MAJOR WQE
		.1..		WMJMSERB	"BIT1" - ONE LABEL LINE FOUND
		..1.		WMJMSERC	"BIT2" - TWO LABEL LINES FOUND
		...1		WMJMSERD	"BIT3" - LAST TYPE WAS CONTROL LINE
		.... 1...		WMJMSERE	"BIT4" - LAST TYPE WAS LABEL LINE
		.... .1..		WQERSV31	"BIT5,,C'X'" - RESERVED
		.... ..1.		WQERSV32	"BIT6,,C'X'" - RESERVED
		1		WQERSV33	"BIT7,,C'X'" - RESERVED
123	(7B)	BITSTRING	1	WMJMSER2	- 2ND BYTE OF LINE CONTROL FLAGS
124	(7C)	BITSTRING	8	WQERSVD2	- RESERVED
132	(84)	BITSTRING	2	WQERSV34	- RESERVED ***WMJMRESB***
134	(86)	BITSTRING	2	WMJMLTYP (0)	- LINE TYPE FLAGS
134	(86)	BITSTRING	1	WMJMLTY1	- 1ST BYTE OF LINE TYPE FLAGS
		1...		WMJMLTYA	"BIT0" - CONTROL LINE
		.1..		WMJMLTYB	"BIT1" - LABEL LINE
		..1.		WMJMLTYC	"BIT2" - DATA LINE ICB433
		...1		WMJMLTYD	"BIT3" - END LINE ICB433

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... 1...		WQERSV35	"BIT4,,C'X'" - RESERVED
		.... .1..		WQERSV36	"BIT5,,C'X'" - RESERVED
		.... ..1.		WQERSV37	"BIT6,,C'X'" - RESERVED
		1		WQERSV38	"BIT7,,C'X'" - RESERVED
135	(87)	BITSTRING	1	WMJMLTY2	- 2ND BYTE OF LINE TYPE FLAGS
136	(88)	ADDRESS	4	WMJMMIN	- ADDRESS OF FIRST MINOR WQE
140	(8C)	BITSTRING	4	WMJMAECB	- ECB USED IN MLWTO PROCESSING Y02710
144	(90)	CHARACTER	4	WMJMMSGN	- MLWTO ID Y02710
148	(94)	BITSTRING	1	WMJMECBF	- STATUS FLAGS
		1...		WMJMWAIT	"BIT0" - USER IS WAITING ON WMJMAECB Y02710
		.1..		WMJMMAJD	"BIT1" - SUBSYSTEM OR USERS EXIT ASKED TO DELETE THIS MLWTO Y02710
		..1.		WMJMCONS	"BIT2" - FRAME FULL CONTROL BIT
		...1		WMJMPSB1	"BIT3" SAVE AREA FOR COMMUNICATION BIT PASSED TO THE PRIMARY SUBSYSTEM
		.... 1...		WMJMRV9A	"BIT4" RESERVED
		.... .1..		WMJMWTP	"BIT5" MAJOR WQE TEXT HAS BEEN PUT/TPUT BY IEEJB840 - DON'T DO IT AGAIN
		.... ..1.		WQERSVD6	"BIT6,,C'X'" - RESERVED Y02710
		1		WQERSVD7	"BIT7,,C'X'" - RESERVED Y02710
149	(95)	BITSTRING	3	WQERSVD8	- RESERVED Y02710
152	(98)	SIGNED	4	WQERSVA4	- RESERVED Y02710
156	(9C)	SIGNED	4	WQERSVA5	- RESERVED Y02710
160	(A0)	BITSTRING	1	WMJMDSP	- DISPOSITION FLAGS
		1...		WMJMDSPA	"BIT0" - PURGE THIS WQE
		.1..		WMJMDSPB	"BIT1" - QUEUE WQE TO HARDCOPY
		..1.		WMJMDSPC	"BIT2" - MUST BE ZERO
		...1		WMJMDSPD	"BIT3" - QUEUED TO HARDCOPY
		.... 1...		WMJMDSPE	"BIT4" - MUST BE ZERO
		.... .1..		WMJMDSPF	"BIT5" - MESSAGE TO BE DOM'ED Y02710
		.... ..1.		WMJMDSPG	"BIT6" - PROCESSING TEMPORARILY SUSPENDED Y02710
		1		WMJMDSPH	"BIT7" - MSG ISSUED BY AUTH USER Y02710
161	(A1)	CHARACTER	2	WMJMASID	- ASID OF USER Y02710
163	(A3)	BITSTRING	1	WMJMBUF	- BUFFER STATUS FLAGS
		1...		WMJMBUFA	"BIT0" - WQE AVAILABLE
		.1..		WMJMBUFB	"BIT1" - WQE IN USE
		..1.		WMJMBUFC	"BIT2" - READY FOR HARDCOPY Y02710
		...1		WMJMBUFD	"BIT3" - WQE ACQUIRED BY GETMAIN
		.... 1...		WMJMBUFE	"BIT4" - WQE SERVICED
		.... .1..		WMJMBUFF	"BIT5" - TPUT TO DO Y02710
		.... ..1.		WMJMBUFG	"BIT6" - WQE SUPPRESSED
		1		WMJMTRCD	"BIT7" - MAJOR WQE HAS BEEN MASTER TRACED
164	(A4)	SIGNED	4	(0)	-
164	(A4)	ADDRESS	4	WMJMTCB	- ADDRESS OF ISSUER'S TCB Y02710
168	(A8)	SIGNED	4	WMJMSEQ# (0)	WTO SEQUENCE NUMBER (DOM/CONNECT ID)
168	(A8)	SIGNED	1	WMJMSID	SYSTEM ID
169	(A9)	SIGNED	3	WMJMSEQ	24-BIT SEQUENCE NUMBER
172	(AC)	BITSTRING	2	WMJMCS (0)	- MCS FLAGS
172	(AC)	BITSTRING	1	WMJMCS1	- 1ST BYTE OF MCS FLAGS
		1...		WMJMCS1A	"BIT0" - ROUTING AND DESCRIPTOR CODES EXIST
		.1..		WMJMCS1B	"BIT1" - QUEUE BY ID TO ACTIVE CONSOLE
		..1.		WMJMCS1C	"BIT2" - COMMAND RESPONSE
		...1		WMJMCS1D	"BIT3" - MESSAGE TYPE FIELD PRESENT
		.... 1...		WMJMCS1E	"BIT4" - ACCEPTED REPLY TO A WTOR
		.... .1..		WMJMCS1F	"BIT5" - BROADCAST (ROUTE TO ACTIVE CONSOLES)
		.... ..1.		WMJMCS1G	"BIT6" - QUEUE TO HARDCOPY ONLY
		1		WMJMCS1H	"BIT7" - QUEUE UNCONDITIONALLY BY ID TO CONSOLE
173	(AD)	BITSTRING	1	WMJMCS2	- 2ND BYTE OF MCS FLAGS
		1...		WMJMCS2A	"BIT0" - DO NOT TIME STAMP
		.1..		WMJMCS2B	"BIT1" - MLWTO
		..1.		WMJMCS2C	"BIT2" PRIMARY SUBSYSTEM USE ONLY: JES3: DO NOT LOG MINOR WQES IF THE MAJOR IS NOT HARDCOPIED JES2: NOT USED
		...1		WMJMCS2D	"BIT3" EXTENDED WPL FORMAT (WPX) EXISTS

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... 1...		WMJMCS2E	"BIT4" - THE MESSAGE IS AN OPERATOR COMMAND
		.... .1..		WMJMCS2F	"BIT5" - BYPASS HARDCOPY QUEUEING
		.... ..1.		WMJMCS2G	"BIT6" WQEBLK KEYWORD SPECIFIED
		1		WMJMCS2H	"BIT7" RESERVED
174	(AE)	BITSTRING	2	WMJMMT (0)	- MESSAGE TYPE FLAGS
174	(AE)	BITSTRING	1	WMJMMT1	- 1ST BYTE OF MESSAGE TYPE FLAGS
		1...		WMJMMT1A	"BIT0" - DISPLAY JOBNAMES
		.1..		WMJMMT1B	"BIT1" - DISPLAY STATUS
		..1.		WQERSVA6	"BIT2,,C'X'" - RESERVED ***WMJMMT1C*** Y02710
		...1		WMJMMT1D	"BIT3" - MUST BE ZERO
		.... 1...		WQERSV50	"BIT4,,C'X'" - RESERVED
		.... .1..		WMJMMT1F	"BIT5" - MONITOR SESS
		.... ..1.		WQERSV51	"BIT6,,C'X'" - RESERVED
		1		WQERSV52	"BIT7,,C'X'" - RESERVED
175	(AF)	BITSTRING	1	WMJMMT2	- 2ND BYTE OF MESSAGE TYPE FLAGS
176	(B0)	BITSTRING	2	WMJMRTC (0)	- ROUTING CODES
176	(B0)	BITSTRING	1	WMJMRCT1	- 1ST BYTE OF ROUTING CODES
		1...		WMJMRCTA	"BIT0" - MASTER CONSOLE
		.1..		WMJMRCTB	"BIT1" - MASTER CONSOLE INFORMATIONAL
		..1.		WMJMRCTC	"BIT2" - TAPE POOL
		...1		WMJMRCTD	"BIT3" - DIRECT ACCESS POOL
		.... 1...		WMJMRCTE	"BIT4" - TAPE LIBRARY
		.... .1..		WMJMRCTF	"BIT5" - DISK LIBRARY
		.... ..1.		WMJMRCTG	"BIT6" - UNIT RECORD POOL
		1		WMJMRCTH	"BIT7" - TELEPROCESSING CONTROL
177	(B1)	BITSTRING	1	WMJMRCT2	- 2ND BYTE OF ROUTING CODES
		1...		WMJMRCTI	"BIT0" - SYSTEM SECURITY
		.1..		WMJMRCTJ	"BIT1" - SYSTEM/ERROR MAINTENANCE
		..1.		WMJMRCTK	"BIT2" - PROGRAMMER INFORMATION
		...1		WMJMRCTL	"BIT3" - EMULATOR INFORMATION
		.... 1...		WMJMRCTM	"BIT4" - USER ROUTING CODE
		.... .1..		WMJMRCTN	"BIT5" - USER ROUTING CODE
		.... ..1.		WMJMRCTO	"BIT6" - USER ROUTING CODE
		1		WMJMRCTP	"BIT7" USER ROUTING CODE
178	(B2)	CHARACTER	1	WMJCHAR1	1ST CHARACTER OF TEXT
179	(B3)	BITSTRING	1	WMJMFLG3	MISCELLANEOUS FLAGS
		1...		WMJDLVRD	"BIT0" WQE HAS BEEN DELIVERED TO A CONSOLE ON THIS SYSTEM
		.1..		WMJDNDWQ	"BIT1" - DO NOT DELETE WTOR UNTIL THIS BIT IS OFF
		..1.		WMJNSYL	"BIT2" - DO NOT SEND THIS MESSAGE TO SYSLOG
		...1		WMJJ3B1	"BIT3" - BIT FOR USE BY JES3 ONLY
		.... 1...		WMJJ3B2	"BIT4" - BIT FOR USE BY JES3 ONLY
180	(B4)	CHARACTER	1	WMJMUID	- UCM ENTRY ID
181	(B5)	BITSTRING	1	WMJFLG1	- MISCELLANEOUS FLAGS
		1...		WMJFLG11	"BIT0" - THIS MESSAGE WAS PROCESSED WHILE MPF WAS ACTIVE AND HARDCOPY WAS AVAILABLE
		.1..		WMJMRETN	"BIT1" - MSG IS TO BE RETAINED BY AMRF
		..1.		WMJMNMOD	"BIT2" THE CHARACTERISTICS OF THE MESSAGE MAY NOT BE MODIFIED BY THE PRIMARY SUBSYSTEM
		...1		WMJMSQMC	"BIT3" ACTION MESSAGE NOT QUEUED TO ANY CONSOLE - DEFAULT TO MASTER CONSOLE
		.... 1...		WMJNOJLG	"BIT4" SUPPRESS FROM JOB LOG
		.... .1..		WMJAUTOV	"BIT5" - INDICATES MPF AUTO SUPPORTED
		.... ..1.		WMJPPNA	"BIT6" - PROBLEM PROGRAM NONACTION MAJOR
		1		WMJMRISS	"BIT7" - REISSUED MESSAGE
182	(B6)	BITSTRING	2	WQERSV54	- RESERVED - MAPS TO WQERPYID
184	(B8)	BITSTRING	4	WMJMDEC (0)	- DESCRIPTOR CODES
184	(B8)	BITSTRING	1	WMJMDEC1	- 1ST BYTE OF DESCRIPTOR CODES
		1...		WMJMDECA	"BIT0" - SYSTEM FAILURE MESSAGE
		.1..		WMJMDECB	"BIT1" - IMMEDIATE ACTION REQUIRED MESSAGE
		..1.		WMJMDECC	"BIT2" - EVENTUAL ACTION REQUIRED MESSAGE
		...1		WMJMDECD	"BIT3" - SYSTEM STATUS MESSAGE
		.... 1...		WMJMDECE	"BIT4" - IMMEDIATE COMMAND RESPONSE MESSAGE
		.... .1..		WMJMDECF	"BIT5" - JOB STATUS MESSAGE

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		WMJMDECG	"BIT6" APPLICATION PROGRAM/PROCESSOR MESSAGE, OR DELETE AT TASK TERMINATION
		1		WMJMDECH	"BIT7" - OUT-OF-LINE MESSAGE
185	(B9)	BITSTRING	1	WMJMDEC2	- 2ND BYTE OF DESCRIPTOR CODES
		1...		WMJMDECI	"BIT0" OPERATOR REQUEST
		.1..		WMJMDECJ	"BIT1" DYNAMIC STATUS DISPLAY
		..1.		WMJMDECK	"BIT2" - CRITICAL EVENTUAL ACTION MSG - DESCRIPTOR CODE 11
		...1		WMJMDECL	"BIT3" - DELIVERED BUT NOT HELD
		.... 1...		WMJMDECM	"BIT4" - PREVIOUSLY AUTOMATED
		.... .1..		WQERSV59	"BIT5,,C'X'" - RESERVED
		.... ..1.		WQERSV60	"BIT6,,C'X'" - RESERVED
		1		WQERSV61	"BIT7,,C'X'" - RESERVED
186	(BA)	BITSTRING	1	WMJMDEC3	- Reserved for 3rd byte of descriptor codes
187	(BB)	BITSTRING	1	WMJMCSCT	Count of MCS-only consoles on the issuing system to which a message is queued
188	(BC)	SIGNED	4	WMJMJTCB	- ADDRESS OF JOB STEP TCB Y02710
192	(C0)	BITSTRING	1	WMJMVRSN	VERSION LEVEL
193	(C1)	BITSTRING	1	WMJMFLG2	MISC FLAGS BYTE 2
		1...		WMJMHNDL	"BIT0" THIS MSG WILL BE DISPLAYED BY ANOTHER CONSOLE HANDLER. DO NOT FORCE MSG TO MASTER CONSOLE IF NOT ROUTED.
		.1..		WMJMLCPL	"BIT1" MULTILINE IS COMPLETE
		..1.		WMJMFORN	"BIT2" FOREIGN WQE
		...1		WMJMTRAN	"BIT3" WQE HAS BEEN TRANSPORTED TO ANOTHER SYSTEM
		.... 1...		WMJSUPSJ	"BIT4" ON = DON'T DISPLAY SYSTEM NAME OR JOB NAME
		.... .1..		WMJQXSYS	"BIT5" ON = QUEUED TO A CONSOLE ON ANOTHER SYSTEM IN THE SYSPLEX
		.... ..1.		WMJQEXT	"BIT6" ON = QUEUED TO AN EXTENDED CLASS
		1		WMJQMCS	"BIT7" ON = QUEUED TO AN MCS CONSOLE
194	(C2)	CHARACTER	2	WMJMCSE (0)	EXTENDED MCS FLAGS
194	(C2)	BITSTRING	1	WMJMCE1	FIRST BYTE
		1...		WMJEBUSY	"BIT0" RETURN WITH BUSY RETURN CODE IF BUFFER LIMITATIONS EXCEEDED
		.1..		WMJECONS	"BIT1" FOUR-BYTE CONSOLE ID SPECIFIED
		..1.		WMJEDOMI	"BIT2" DOM ID WAS SPECIFIED
		...1		WMJECONN	"BIT3" CONNECT ID WAS SPECIFIED
		.... 1...		WMJEWTOR	"BIT4" WTOR WITH EXTENDED PARAMETER LIST
		.... .1..		WMJEPRIO	"BIT5" PRIORITY WAS SPECIFIED
		.... ..1.		WMJMCNM	"BIT6" CONSOLE NAME SPECIFIED
195	(C3)	BITSTRING	1	WMJMCE2	SECOND BYTE OF EXT MCS FLAGS
		1...		WMJMTXTA	"BIT0" UNUSED IN WQE - TEXT ADDRESS PARAMETER SPECIFIED ON WTO MACRO
		.1..		WMJMRV99	"BIT1" RESERVED
		..1.		WMJMRV9B	"BIT2" RESERVED
		...1		WMJMRV9C	"BIT3" RESERVED
		.... 1...		WMJMRV1A	"BIT4" RESERVED
		.... .1..		WMJMRV1B	"BIT5" RESERVED
		.... ..1.		WMJMRV1C	"BIT6" RESERVED
		1		WMJMRV1D	"BIT7" RESERVED
196	(C4)	CHARACTER	8	WMJMSNM	THE NAME OF THE SYSTEM ON WHICH THIS MESSAGE WAS ISSUED
204	(CC)	CHARACTER	5	WMJMDATE	DATE WTO ISSUED
209	(D1)	CHARACTER	3	WMJMTS2	TENTHS AND HUNDREDTHS OF A SECOND
212	(D4)	CHARACTER	4	WMJMXMOD (0)	COPY OF REQUEST FLAGS (CTXTRFLG) FROM THE WTO USER EXIT INTERFACE
212	(D4)	CHARACTER	3	WMJMFLGS (0)	COMM TASK USER EXIT REQUESTS
212	(D4)	BITSTRING	1	WMJMRFB1	REQUEST FLAGS BYTE ONE
		1...		WMJMRCMT	"BIT0" CHANGE THE MESSAGE TEXT
		.1..		WMJMRCRC	"BIT1" CHANGE THE ROUTING CODE(S)
		..1.		WMJMRCDC	"BIT2" CHANGE THE DESCRIPTOR CODE(S)
		...1		WMJMRQPC	"BIT3" QUEUE TO A PARTICULAR ACTIVE CONSOLE

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... 1...		WMJMRQUN	"BIT4" QUEUE TO A PARTICULAR CONSOLE UNCONDITIONALLY
		.... .1..		WMJMRQRC	"BIT5" QUEUE BY ROUTING CODES ONLY
		.... ..1.		WMJMRCCN	"BIT6" CHANGE THE CONSOLE ID
		1		WMJMRPML	"BIT7" PROCESS MINOR LINES
213	(D5)	BITSTRING	1	WMJMRFB2	REQUEST FLAGS BYTE TWO
		1...		WMJMRDTM	"BIT0" DELETE THE MESSAGE
		.1..		WMJMROMS	"BIT1" OVERRIDE MPF SUPPRESSION
		..1.		WMJMRFHC	"BIT2" FORCE HARDCOPY
		...1		WMJMRFNC	"BIT3" FORCE NO HARDCOPY
		.... 1...		WMJMRHCO	"BIT4" FORCE HARDCOPY ONLY
		.... .1..		WMJMRBCA	"BIT5" BROADCAST MESSAGE TO ACTIVE CONSOLES
		.... ..1.		WMJMRBCN	"BIT6" DO NOT BROADCAST MESSAGE TO ACTIVE CONSOLES
		1		WMJMRNRT	"BIT7" AMRF IS NOT TO RETAIN THIS MSG
214	(D6)	BITSTRING	1	WMJMRFB3	REQUEST FLAGS BYTE THREE
		1...		WMJMRRET	"BIT0" AMRF IS TO RETAIN THIS MSG
		.1..		WMJMRCKY	"BIT1" CHANGE THE RETRIEVAL KEY
		..1.		WMJMRCFC	"BIT2" CHANGE THE 4-BYTE CONSOLE ID
		...1		WMJMRCMF	"BIT3" CHANGE THE MESSAGE TYPE FLAGS
		.... 1...		WMJRANO	"BIT4" AUTOMATION IS NOT REQUIRED
		.... .1..		WMJRAYS	"BIT5" AUTOMATION IS REQUIRED AND/OR AUTOMATION TOKEN UPDATED
		.... ..1.		WMJMQHCO	"BIT6" MESSAGE ISSUED HARDCOPY ONLY
		1		WMJMHUD	"BIT7" UD TO HARDCOPY FLAG
215	(D7)	BITSTRING	1	WMJMSUPB	SUPPRESSION BYTE
		1...		WMJMSNSV	"BIT0" NOT SERVICED BY ANY WTO USER EXIT ROUTINE
		.1..		WMJMSEER	"BIT1" ESTAE ERROR IN IEAVX600
		..1.		WMJMSNSI	"BIT2" NOT SERVICED BECAUSE OF AN INCOMPATIBLE REQUEST
		...1		WMJMSAUT	"BIT3" INDICATES AUTOMATION SPECIFIED
		.... 1...		WMJMSQED	"BIT4" NOT QUEUED TO ANY CONSOLE
		.... .1..		WMJMSSSI	"BIT5" SUPPRESSED BY A SUBSYSTEM
		.... ..1.		WMJMSWTO	"BIT6" SUPPRESSED BY A WTO USER EXIT ROUTINE
		1		WMJMSMPF	"BIT7" SUPPRESSED BY MPF
216	(D8)	SIGNED	2	WMJMMLVL (0)	MESSAGE LEVEL MASK FOR QUEUING
216	(D8)	BITSTRING	1	WMJMML1	FIRST BYTE OF LEVEL INDICATORS
		1...		WMJMMLR	"BIT0" WTOR
		.1..		WMJMMLIA	"BIT1" IMMEDIATE ACTION MESSAGE
		..1.		WMJMMLCE	"BIT2" CRITICAL EVENTUAL ACTION MESSAGE
		...1		WMJMMLE	"BIT3" EVENTUAL ACTION MESSAGE
		.... 1...		WMJMMLI	"BIT4" INFORMATIONAL MESSAGE
		.... .1..		WMJMMLBC	"BIT5" BROADCAST MESSAGE
217	(D9)	BITSTRING	1	WMJMML2	RESERVED
218	(DA)	SIGNED	2	WMJMLENG	WQE SIZE
220	(DC)	SIGNED	4	WMJDSQN	UNIVERSAL DISPLAY SEQUENCE NUMBER
224	(E0)	BITSTRING	16	WMJMERC (0)	EXTENDED ROUTING CODES
224	(E0)	BITSTRING	1	WMJMRC1	BYTE 1 - EXTENDED ROUTING CODES
		1...		WMJRC1	"BIT0" MASTER CONSOLE
		.1..		WMJRC2	"BIT1" MASTER CONSOLE INFORMATIONAL
		..1.		WMJRC3	"BIT2" TAPE POOL
		...1		WMJRC4	"BIT3" DIRECT ACCESS POOL
		.... 1...		WMJRC5	"BIT4" TAPE LIBRARY
		.... .1..		WMJRC6	"BIT5" DISK LIBRARY
		.... ..1.		WMJRC7	"BIT6" UNIT RECORD POOL
		1		WMJRC8	"BIT7" TELEPROCESSING CONTROL
225	(E1)	BITSTRING	1	WMJMRC2	BYTE 2 - EXTENDED ROUTING CODES
		1...		WMJRC9	"BIT0" SYSTEM SECURITY
		.1..		WMJRC10	"BIT1" SYSTEM/ERROR MAINTENANCE
		..1.		WMJRC11	"BIT2" PROGRAMMER INFORMATION
		...1		WMJRC12	"BIT3" EMULATOR INFORMATION
		.... 1...		WMJRC13	"BIT4" USER ROUTING CODE
		.... .1..		WMJRC14	"BIT5" USER ROUTING CODE
		.... ..1.		WMJRC15	"BIT6" USER ROUTING CODE

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		1		WMJRC16	"BIT7" USER ROUTING CODE
226	(E2)	BITSTRING	1	WMJMRC3	BYTE 3 - EXTENDED ROUTING CODES
		1...		WMJRC17	"BIT0" USER ROUTING CODE
		.1..		WMJRC18	"BIT1" USER ROUTING CODE
		..1.		WMJRC19	"BIT2" USER ROUTING CODE
		...1		WMJRC20	"BIT3" USER ROUTING CODE
		.... 1...		WMJRC21	"BIT4" RESERVED FOR JES USAGE
		.... .1..		WMJRC22	"BIT5" RESERVED FOR JES USAGE
		.... ..1.		WMJRC23	"BIT6" RESERVED FOR JES USAGE
		1		WMJRC24	"BIT7" RESERVED FOR JES USAGE
227	(E3)	BITSTRING	1	WMJMRC4	BYTE 4 - EXTENDED ROUTING CODES
		1...		WMJRC25	"BIT0" RESERVED FOR JES USAGE
		.1..		WMJRC26	"BIT1" RESERVED FOR JES USAGE
		..1.		WMJRC27	"BIT2" RESERVED FOR JES USAGE
		...1		WMJRC28	"BIT3" RESERVED FOR JES USAGE
		.... 1...		WMJRC29	"BIT4" RESERVED
		.... .1..		WMJRC30	"BIT5" RESERVED
		.... ..1.		WMJRC31	"BIT6" RESERVED
		1		WMJRC32	"BIT7" RESERVED
228	(E4)	BITSTRING	1	WMJMRC5	BYTE 5 - EXTENDED ROUTING CODES
		1...		WMJRC33	"BIT0" RESERVED
		.1..		WMJRC34	"BIT1" RESERVED
		..1.		WMJRC35	"BIT2" RESERVED
		...1		WMJRC36	"BIT3" RESERVED
		.... 1...		WMJRC37	"BIT4" RESERVED
		.... .1..		WMJRC38	"BIT5" RESERVED
		.... ..1.		WMJRC39	"BIT6" RESERVED
		1		WMJRC40	"BIT7" RESERVED
229	(E5)	BITSTRING	1	WMJMRC6	BYTE 6 - EXTENDED ROUTING CODES
		1...		WMJRC41	"BIT0" JOB STATUS MESSAGE
		.1..		WMJRC42	"BIT1" GENERAL INFO ABOUT JES2 OR JES3
		..1.		WMJRC43	"BIT2" RESERVED FOR JES USAGE
		...1		WMJRC44	"BIT3" RESERVED FOR JES USAGE
		.... 1...		WMJRC45	"BIT4" RESERVED FOR JES USAGE
		.... .1..		WMJRC46	"BIT5" RESERVED FOR JES USAGE
		.... ..1.		WMJRC47	"BIT6" RESERVED FOR JES USAGE
		1		WMJRC48	"BIT7" RESERVED FOR JES USAGE
230	(E6)	BITSTRING	1	WMJMRC7	BYTE 7 - EXTENDED ROUTING CODES
		1...		WMJRC49	"BIT0" RESERVED FOR JES USAGE
		.1..		WMJRC50	"BIT1" RESERVED FOR JES USAGE
		..1.		WMJRC51	"BIT2" RESERVED FOR JES USAGE
		...1		WMJRC52	"BIT3" RESERVED FOR JES USAGE
		.... 1...		WMJRC53	"BIT4" RESERVED FOR JES USAGE
		.... .1..		WMJRC54	"BIT5" RESERVED FOR JES USAGE
		.... ..1.		WMJRC55	"BIT6" RESERVED FOR JES USAGE
		1		WMJRC56	"BIT7" RESERVED FOR JES USAGE
231	(E7)	BITSTRING	1	WMJMRC8	BYTE 8 - EXTENDED ROUTING CODES
		1...		WMJRC57	"BIT0" RESERVED FOR JES USAGE
		.1..		WMJRC58	"BIT1" RESERVED FOR JES USAGE
		..1.		WMJRC59	"BIT2" RESERVED FOR JES USAGE
		...1		WMJRC60	"BIT3" RESERVED FOR JES USAGE
		.... 1...		WMJRC61	"BIT4" RESERVED FOR JES USAGE
		.... .1..		WMJRC62	"BIT5" RESERVED FOR JES USAGE
		.... ..1.		WMJRC63	"BIT6" RESERVED FOR JES USAGE
		1		WMJRC64	"BIT7" RESERVED FOR JES USAGE
232	(E8)	BITSTRING	1	WMJMRC9	BYTE 9 - EXTENDED ROUTING CODES
		1...		WMJRC65	"BIT0" PROCESSOR RELATED MESSAGE
		.1..		WMJRC66	"BIT1" PROCESSOR RELATED MESSAGE
		..1.		WMJRC67	"BIT2" PROCESSOR RELATED MESSAGE
		...1		WMJRC68	"BIT3" PROCESSOR RELATED MESSAGE
		.... 1...		WMJRC69	"BIT4" PROCESSOR RELATED MESSAGE
		.... .1..		WMJRC70	"BIT5" PROCESSOR RELATED MESSAGE
		.... ..1.		WMJRC71	"BIT6" PROCESSOR RELATED MESSAGE
		1		WMJRC72	"BIT7" PROCESSOR RELATED MESSAGE

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
233	(E9)	BITSTRING	1	WMJMRC10	BYTE 10 - EXTENDED ROUTING CODES
		1...		WMJRC73	"BIT0" PROCESSOR RELATED MESSAGE
		.1..		WMJRC74	"BIT1" PROCESSOR RELATED MESSAGE
		..1.		WMJRC75	"BIT2" PROCESSOR RELATED MESSAGE
		...1		WMJRC76	"BIT3" PROCESSOR RELATED MESSAGE
		.... 1...		WMJRC77	"BIT4" PROCESSOR RELATED MESSAGE
		.... .1..		WMJRC78	"BIT5" PROCESSOR RELATED MESSAGE
		.... ..1.		WMJRC79	"BIT6" PROCESSOR RELATED MESSAGE
		1		WMJRC80	"BIT7" PROCESSOR RELATED MESSAGE
234	(EA)	BITSTRING	1	WMJMRC11	BYTE 11 - EXTENDED ROUTING CODES
		1...		WMJRC81	"BIT0" PROCESSOR RELATED MESSAGE
		.1..		WMJRC82	"BIT1" PROCESSOR RELATED MESSAGE
		..1.		WMJRC83	"BIT2" PROCESSOR RELATED MESSAGE
		...1		WMJRC84	"BIT3" PROCESSOR RELATED MESSAGE
		.... 1...		WMJRC85	"BIT4" PROCESSOR RELATED MESSAGE
		.... .1..		WMJRC86	"BIT5" PROCESSOR RELATED MESSAGE
		.... ..1.		WMJRC87	"BIT6" PROCESSOR RELATED MESSAGE
		1		WMJRC88	"BIT7" PROCESSOR RELATED MESSAGE
235	(EB)	BITSTRING	1	WMJMRC12	BYTE 12 - EXTENDED ROUTING CODES
		1...		WMJRC89	"BIT0" PROCESSOR RELATED MESSAGE
		.1..		WMJRC90	"BIT1" PROCESSOR RELATED MESSAGE
		..1.		WMJRC91	"BIT2" PROCESSOR RELATED MESSAGE
		...1		WMJRC92	"BIT3" PROCESSOR RELATED MESSAGE
		.... 1...		WMJRC93	"BIT4" PROCESSOR RELATED MESSAGE
		.... .1..		WMJRC94	"BIT5" PROCESSOR RELATED MESSAGE
		.... ..1.		WMJRC95	"BIT6" PROCESSOR RELATED MESSAGE
		1		WMJRC96	"BIT7" PROCESSOR RELATED MESSAGE
236	(EC)	BITSTRING	1	WMJMRC13	BYTE 13 - EXTENDED ROUTING CODES
		1...		WMJRC97	"BIT0" DEVICE RELATED MESSAGE
		.1..		WMJRC98	"BIT1" DEVICE RELATED MESSAGE
		..1.		WMJRC99	"BIT2" DEVICE RELATED MESSAGE
		...1		WMJRC100	"BIT3" DEVICE RELATED MESSAGE
		.... 1...		WMJRC101	"BIT4" DEVICE RELATED MESSAGE
		.... .1..		WMJRC102	"BIT5" DEVICE RELATED MESSAGE
		.... ..1.		WMJRC103	"BIT6" DEVICE RELATED MESSAGE
		1		WMJRC104	"BIT7" DEVICE RELATED MESSAGE
237	(ED)	BITSTRING	1	WMJMRC14	BYTE 14 - EXTENDED ROUTING CODES
		1...		WMJRC105	"BIT0" DEVICE RELATED MESSAGE
		.1..		WMJRC106	"BIT1" DEVICE RELATED MESSAGE
		..1.		WMJRC107	"BIT2" DEVICE RELATED MESSAGE
		...1		WMJRC108	"BIT3" DEVICE RELATED MESSAGE
		.... 1...		WMJRC109	"BIT4" DEVICE RELATED MESSAGE
		.... .1..		WMJRC110	"BIT5" DEVICE RELATED MESSAGE
		.... ..1.		WMJRC111	"BIT6" DEVICE RELATED MESSAGE
		1		WMJRC112	"BIT7" DEVICE RELATED MESSAGE
238	(EE)	BITSTRING	1	WMJMRC15	BYTE 15 - EXTENDED ROUTING CODES
		1...		WMJRC113	"BIT0" DEVICE RELATED MESSAGE
		.1..		WMJRC114	"BIT1" DEVICE RELATED MESSAGE
		..1.		WMJRC115	"BIT2" DEVICE RELATED MESSAGE
		...1		WMJRC116	"BIT3" DEVICE RELATED MESSAGE
		.... 1...		WMJRC117	"BIT4" DEVICE RELATED MESSAGE
		.... .1..		WMJRC118	"BIT5" DEVICE RELATED MESSAGE
		.... ..1.		WMJRC119	"BIT6" DEVICE RELATED MESSAGE
		1		WMJRC120	"BIT7" DEVICE RELATED MESSAGE
239	(EF)	BITSTRING	1	WMJMRC16	BYTE 16 - EXTENDED ROUTING CODES
		1...		WMJRC121	"BIT0" DEVICE RELATED MESSAGE
		.1..		WMJRC122	"BIT1" DEVICE RELATED MESSAGE
		..1.		WMJRC123	"BIT2" DEVICE RELATED MESSAGE
		...1		WMJRC124	"BIT3" DEVICE RELATED MESSAGE
		.... 1...		WMJRC125	"BIT4" DEVICE RELATED MESSAGE
		.... .1..		WMJRC126	"BIT5" DEVICE RELATED MESSAGE
		.... ..1.		WMJRC127	"BIT6" DEVICE RELATED MESSAGE
		1		WMJRC128	"BIT7" DEVICE RELATED MESSAGE
240	(F0)	CHARACTER	8	WMJMKEY	RETRIEVAL KEY

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
248	(F8)	SIGNED	4	WMJMTOKN	TOKEN FOR DOM
252	(FC)	CHARACTER	4	WMJMCNID	FULLWORD CONSOLE ID
256	(100)	CHARACTER	8	WMJMOJBI	ORIGINATING JOB ID
264	(108)	CHARACTER	8	WMJMOJBN	ORIGINATING JOB NAME
272	(110)	ADDRESS	2	WMJMPRTY	MESSAGE'S PRIORITY
274	(112)	CHARACTER	8	WMJAUTOT	AUTOMATION TOKEN VALUE
282	(11A)	CHARACTER	4	WMJERFS (0)	EXTENDED REQUEST FLAGS (FROM THE USER EXIT TO THE SYSTEM)
282	(11A)	BITSTRING	1	WMJMERF1	REQUEST FLAGS BYTE ONE
		1...		WMJEMRY	"X'80'" PRIMARY SUBSYSTEM CAN ALTER MSG ROUTING
		.1..		WMJEMRN	"X'40'" PRIMARY SUBSYSTEM CAN NOT ALTER MSG ROUTING
		..1.		WMJEMCO	"X'20'" REQUEST TO CHANGE MESSAGE COLOR
		...1		WMJEMHI	"X'10'" REQUEST TO CHANGE MESSAGE HIGHLIGHTING
		.... 1...		WMJEMIN	"X'08'" REQUEST TO CHANGE MESSAGE INTENSITY
283	(11B)	BITSTRING	1	WMJERF2	REQUEST FLAGS BYTE TWO
284	(11C)	BITSTRING	1	WMJERF3	REQUEST FLAGS BYTE THREE
		1...		WMJESJL	"X'80'" REQUEST TO SUPPRESS MESSAGE FROM THE JOBLOG
		.1..		WMJNWTP	"X'40'" REQUEST TO NOT DO WTP PROCESSING (NO SYSMSG OR TPUT)
285	(11D)	BITSTRING	1	WMJERF4	REQUEST FLAGS BYTE FOUR
286	(11E)	BITSTRING	1	WMJJ3RTC	JES3 GLOBAL ROUTING - FOR USE BY JES3 ONLY
287	(11F)	BITSTRING	1	WMJJ3MRC	GLOBAL MESSAGE ROUTING CONTROLS - FOR USE BY JES3 ONLY
288	(120)	BITSTRING	2	WMJJ3CON	JES3 CONSOLE ID (FOR MINOR WQE PROCESSING) - FOR USE BY JES3 ONLY
290	(122)	CHARACTER	8	WMJMCNME	CONSOLE NAME
298	(12A)	CHARACTER	8	WMJMCART	CART ADDRESS
306	(132)	CHARACTER	2	WMJMXIF (0)	MISCELLANEOUS AND MINOR ERROR INFORMATION FLAGS
306	(132)	BITSTRING	1	WMJMXIF1	MISC AND MINOR ERROR FLAG BYTE 1
		1...		WMJMTXTR	"BIT0" MESSAGE TEXT WAS TRUNCATED
		.1..		WMJMXNVT	"BIT1" INVALID USER EXIT TEXT MODIFICATION
		..1.		WMJMXMER	"BIT2" MUTUALLY EXCLUSIVE USER EXIT REQUESTS MADE
		...1		WMJMXIRM	"BIT3" INCOMPATIBLE USER EXIT REQUESTS MADE
		.... 1...		WMJMDMDB	"BIT4" DOM MDBS HAVE BEEN BUILT
307	(133)	BITSTRING	1	WMJMXIF2	MISC AND MINOR ERROR FLAG BYTE 2
		1...		WMJQONLY	"BIT0" REISSUED WQE VIA WQEBLK ON SAME SYS
		.1..		WMJAMRFO	"BIT1" WQE IS FOR AMRF PURPOSES ONLY
		..1.		WMJAMRFA	"BIT2" AMRF IS ACTIVE ON ISSUING SYSTEM
		...1		WMJMQD	"BIT3" WQE WENT THROUGH QUEUEING ALREADY
		.... 1...		WMJMWTPR	"BIT4" WTP REQUEST - ROUTE CODE 11 WAS ON AFTER CALLING WTO USER EXIT
		.... .1..		WMJMMFR	"BIT5" WQE WAS MODIFIED FOR REISSUE BY QUEUING
		.... ..1.		WMJAMRFR	"BIT6" ISSUED FOR AMRF REFRESH
		1		WMJQTSYS	"BIT7" QUEUE MESSAGE JUST ON THIS SYSTEM
308	(134)	SIGNED	4	WMJMXTUC	EXTENDED MCS QUEUER USE COUNT
312	(138)	ADDRESS	4	WMJMRCPT	POINTER TO SAVED SYSIDS USED FOR CONNECTING MESSAGES IN A SYSPLEX
316	(13C)	BITSTRING	1	WMJBENIP	BRANCH ENTRY/NIP FLAGS
		1...		WMJMDOMD	"BIT0" MESSAGE HAS PREVIOUSLY BEEN DOM'D
		.1..		WMJMNBEW	"BIT1" WQE CREATED BY NIP OR BE WTO
		..1.		WMJMHABD	"BIT2" HAS ALREADY BEEN DISPLAYED
		...1		WMJMASCB	"BIT3" ASCB SPECIFIED
317	(13D)	BITSTRING	1	WMJQDSYS	WQE DESTINATIONS COUNTER
318	(13E)	CHARACTER	1	WMJCASEL	MESSAGE COLOR
319	(13F)	CHARACTER	1	WMJHASEL	MESSAGE HIGHLIGHTING
320	(140)	CHARACTER	1	WMJIASEL	MESSAGE INTENSITY

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
					Comment
		MISCELLANEOUS ROUTING INFORMATION			
					End of Comment
321	(141)	BITSTRING	1	WMJMMISC	MISCELLANEOUS ROUTING INFORMATION
		1...		WMJMUD	"BIT0" DISPLAY UD MESSAGES
		.1..		WMJMFUDO	"BIT1" DISPLAY ONLY UD MESSAGES
		..1.		WMJMFIDO	"BIT2" QUEUE BY ID ONLY
		...1		WMJMAUTO	"BIT3" QUEUE BY AUTOMATION
		.... 1...		WMJMHC	"BIT4" QUEUE BY HARDCOPY
322	(142)	BITSTRING	2	WMJMTSNT	TOTAL COUNT OF TDPS SENT OUT FOR THIS MULTI-LINE
324	(144)	SIGNED	4	WQERSVDB	RESERVED - MAPS TO WQERPYIB
328	(148)	BITSTRING	4	WMJMTS3	STCK FORM OF TIME STAMP Note - if task has been in a wait for resources, this is the time after returning from the wait
332	(14C)	BITSTRING	4	WMJMFTOD	AMRF FAILURE TIME
336	(150)	CHARACTER	8	WMJMQLST (0)	K Q CONSOLE ID LIST
336	(150)	SIGNED	4	WMJMKQL1	K Q CONSOLE ID 1
340	(154)	SIGNED	4	WMJMKQL2	K Q CONSOLE ID 2
344	(158)	ADDRESS	1	WMJMRIDL	LENGTH OF REPLY ID IN MESSAGE TEXT
345	(159)	BITSTRING	1	WMJMISCC	MISCELLANEOUS CONTROL PROGRAM FLAGS
		1...		WMJMSPVD	"BIT0" WQE BACKLOG MESSAGE
		.1..		WMJMPRIV	"BIT1" Original issuer was privileged
		..1.		WMJMQNLY	"BIT2" Send to console and nowhere else
346	(15A)	CHARACTER	2	WMJMCENT	Century portion of date, in EBCDIC
348	(15C)	BITSTRING	4	WMJMLTOD	Stck time last minor added to MLWTO
348	(15C)	X'160'	0	WMJMSIZE	"*-WMJM" - SIZE OF MAJOR WQE ICB433

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WQEMIN	, - MINOR WQE
0	(0)	X'0'	0	WMNM	"*" - START OF MINOR WQE
0	(0)	ADDRESS	4	WMNMNX1	POINTER TO SECOND HALF OF WQE
4	(4)	BITSTRING	1	WMNMML1	- MLWTO FLAGS FOR FIRST MESSAGE
		1...		WQERSV62	"BIT0,,C'X'" - RESERVED
		.1..		WMNMML1B	"BIT1" - MAJOR WQE
		..1.		WMNMML1C	"BIT2" - MINOR WQE
		...1		WMNMML1D	"BIT3" - CHAIN ALTERED
		.... 1...		WMNMML1E	"BIT4" - WTL ISSUED
		.... .1..		WMNMML1F	"BIT5" - MINOR WQE FOR ABEND ICB433
		.... ..1.		WMNMML1G	"BIT6" - SERVICE THIS CHAIN
		1		WMNMML1H	"BIT7" - MINOR WQE ACQUIRED BY GETMAIN ICB461
5	(5)	BITSTRING	1	WMNMLT1	- LINE TYPE FLAGS FOR FIRST MESSAGE
		1...		WMNMLT1A	"BIT0" - CONTROL LINE
		.1..		WMNMLT1B	"BIT1" - LABEL LINE
		..1.		WMNMLT1C	"BIT2" - DATA LINE
		...1		WMNMLT1D	"BIT3" - END INDICATOR
		.... 1...		WQERSV63	"BIT4,,C'X'" - RESERVED
		.... .1..		WQERSV64	"BIT5,,C'X'" - RESERVED
		.... ..1.		WQERSV65	"BIT6,,C'X'" - RESERVED
		1		WQERSV66	"BIT7,,C'X'" - RESERVED
6	(6)	SIGNED	1	WMNMLTH1	LENGTH OF 1 MINOR WQE
7	(7)	SIGNED	1	WMNMTL1	- LENGTH OF FIRST MESSAGE TEXT
8	(8)	CHARACTER	4	WMNMHCT1	- HARDCOPY ID FOR FIRST MESSAGE
12	(C)	CHARACTER	72	WMNMTXT1	- FIRST MESSAGE TEXT (MAX 72 BYTES)
84	(54)	BITSTRING	1	WMNMST1	- STATUS FLAGS Y02710
		1...		WMNMTPD1	"BIT0" - TPUT DONE Y02710
		.1..		WMNMTRC1	"BIT1" - FIRST MINOR WQE HAS BEEN MASTER TRACED
		..1.		WMNMWTP1	"BIT2" - MINOR 1 TEXT HAS BEEN PUT/TPUT BY IEEJB840 - DON'T DO IT AGAIN
		...1		WQERSVB1	"BIT3,,C'X'" - RESERVED Y02710

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... 1...		WQERSVB2	"BIT4,,C'X'" - RESERVED Y02710
		.... .1..		WQERSVB3	"BIT5,,C'X'" - RESERVED Y02710
		.... ..1.		WQERSVB4	"BIT6,,C'X'" - RESERVED Y02710
		1		WQERSVB5	"BIT7,,C'X'" - RESERVED Y02710
85	(55)	BITSTRING	1	WMNMMSF1	MISCELLANEOUS FLAGS
		1...		WMNMRV99	"BIT0" RESERVED
		.1..		WMNMRV9A	"BIT1" RESERVED
		..1.		WMNMTRAN	"BIT2" WQE HAS BEEN TRANSPORTED TO ANOTHER SYSTEM
86	(56)	SIGNED	2	WMNMUC1	USE COUNT 1
88	(58)	SIGNED	4	WMNMSEQ1	SEQUENCE NUMBER (CONNECT ID)
92	(5C)	CHARACTER	4	WMN1XMOD (0)	COPY OF REQUEST FLAGS (CTXTRFLG) FROM THE WTO USER EXIT INTERFACE
92	(5C)	CHARACTER	3	WMN1FLGS (0)	COMM TASK USER EXIT REQUESTS
92	(5C)	BITSTRING	1	WMN1RFB1	REQUEST FLAGS BYTE ONE
		1...		WMN1RCMT	"BIT0" CHANGE THE MESSAGE TEXT
		1		WMN1RPML	"BIT7" PROCESS THE MINOR LINES
93	(5D)	BITSTRING	1	WMN1RFB2	REQUEST FLAGS BYTE TWO
94	(5E)	BITSTRING	1	WMN1RFB3	RESERVED
95	(5F)	BITSTRING	1	WMN1SUPB	SUPPRESSION BYTE
		1...		WMN1SNSV	"BIT0" NOT SERVICED BY ANY WTO USER EXIT ROUTINE
		.1..		WMN1SEER	"BIT1" ESTAE ERROR IN IEAVX600
		..1.		WMN1SNSI	"BIT2" NOT SERVICED BECAUSE OF AN INCOMPATIBLE REQUEST
		...1		WMN1SAUT	"BIT3" INDICATES AUTOMATION SPECIFIED
		.... 1...		WMN1SQED	"BIT4" NOT QUEUED TO ANY CONSOLE
		.... .1..		WMN1SSSI	"BIT5" SUPPRESSED BY A SUBSYSTEM
		.... ..1.		WMN1SWTO	"BIT6" SUPPRESSED BY A WTO USER EXIT ROUTINE
		1		WMN1SMPF	"BIT7" SUPPRESSED BY MPF
96	(60)	ADDRESS	4	WMNMNX2	ADDRESS OF NEXT MINOR WQE OR ZERO
100	(64)	BITSTRING	1	WMNMML2	- MLWTO FLAGS FOR SECOND MESSAGE
		1...		WQERSV68	"BIT0,,C'X'" - RESERVED
		.1..		WMNMML2B	"BIT1" - MAJOR WQE
		..1.		WMNMML2C	"BIT2" - MINOR WQE
		...1		WMNMML2D	"BIT3" - CHAIN ALTERED
		.... 1...		WMNMML2E	"BIT4" - WTL ISSUED
		.... .1..		WQERSV69	"BIT5,,C'X'" - RESERVED
		.... ..1.		WMNMML2G	"BIT6" - SERVICE THIS CHAIN
		1		WMNMML2H	"BIT7" - LINE 2 AVAILABLE
101	(65)	BITSTRING	1	WMNMLT2	- LINE TYPE FLAGS FOR SECOND MESSAGE
		1...		WMNMLT2A	"BIT0" - CONTROL LINE
		.1..		WMNMLT2B	"BIT1" - LABEL LINE
		..1.		WMNMLT2C	"BIT2" - DATA LINE
		...1		WMNMLT2D	"BIT3" - END INDICATOR
		.... 1...		WQERSV70	"BIT4,,C'X'" - RESERVED
		.... .1..		WQERSV71	"BIT5,,C'X'" - RESERVED
		.... ..1.		WQERSV72	"BIT6,,C'X'" - RESERVED
		1		WQERSV73	"BIT7,,C'X'" - RESERVED
102	(66)	SIGNED	1	WMNMLTH2	LENGTH OF 1 MINOR WQE
103	(67)	SIGNED	1	WMNMTL2	- LENGTH OF SECOND MESSAGE TEXT
104	(68)	CHARACTER	4	WMNMHCT2	- HARDCOPY ID FOR SECOND MESSAGE
108	(6C)	CHARACTER	72	WMNMTXT2	- SECOND MESSAGE TEXT (MAX 72 BYTES)
180	(B4)	BITSTRING	1	WMNMST2	- STATUS FLAGS Y02710
		1...		WMNMTPD2	"BIT0" - TPUT DONE Y02710
		.1..		WMNMTRC2	"BIT1" - SECOND MINOR WQE HAS BEEN MASTER TRACED
		..1.		WMNMWTP2	"BIT2" - MINOR 2 TEXT HAS BEEN PUT/TPUT BY IEEJB840 - DON'T DO IT AGAIN
		...1		WQERSVC1	"BIT3,,C'X'" - RESERVED Y02710
		.... 1...		WQERSVC2	"BIT4,,C'X'" - RESERVED Y02710
		.... .1..		WQERSVC3	"BIT5,,C'X'" - RESERVED Y02710
		.... ..1.		WQERSVC4	"BIT6,,C'X'" - RESERVED Y02710
		1		WQERSVC5	"BIT7,,C'X'" - RESERVED Y02710
181	(B5)	BITSTRING	1	WMN2MSF2	RESERVED
182	(B6)	SIGNED	2	WMNMUC2	USE COUNT 2

WQE Cross Reference

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
184	(B8)	SIGNED	4	WMNMSEQ2	SEQUENCE NUMBER (CONNECT ID)
188	(BC)	CHARACTER	4	WMN2XMOD (0)	COPY OF REQUEST FLAGS (CTXTRFLG) FROM THE WTO USER EXIT INTERFACE
188	(BC)	CHARACTER	3	WMN2FLGS (0)	COMM TASK USER EXIT REQUESTS
188	(BC)	BITSTRING	1	WMN2RFB1	REQUEST FLAGS BYTE ONE
		1...		WMN2RCMT	"BIT0" CHANGE THE MESSAGE TEXT
		1		WMN2RPML	"BIT7" PROCESS MINOR LINES
189	(BD)	BITSTRING	1	WMN2RFB2	REQUEST FLAGS BYTE TWO
190	(BE)	BITSTRING	1	WMN2RFB3	RESERVED
191	(BF)	BITSTRING	1	WMN2SUPB	SUPPRESSION BYTE
		1...		WMN2SNSV	"BIT0" NOT SERVICED BY ANY WTO USER EXIT ROUTINE
		.1..		WMN2SEER	"BIT1" ESTAE ERROR IN IEAVX600
		..1.		WMN2SNSI	"BIT2" NOT SERVICED BECAUSE OF AN INCOMPATIBLE REQUEST
		...1		WMN2SAUT	"BIT3" INDICATES AUTOMATION SPECIFIED
		.... 1...		WMN2SQED	"BIT4" NOT QUEUED TO ANY CONSOLE
		.... .1..		WMN2SSSI	"BIT5" SUPPRESSED BY A SUBSYSTEM
		.... ..1.		WMN2SWTO	"BIT6" SUPPRESSED BY A WTO USER EXIT ROUTINE
		1		WMN2SMPF	"BIT7" SUPPRESSED BY MPF
192	(C0)	SIGNED	4	WMNM1R99 (4)	RESERVED
208	(D0)	SIGNED	4	WMNM2R99 (4)	RESERVED
224	(E0)	CHARACTER	128	WMNMRSVD	RESERVED
224	(E0)	X'160'	0	WMNMSIZE	"*-WMNM" - SIZE OF MINOR WQE ICB433

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WQESYAR	, - ARRAY OF SAVED SYSIDS
0	(0)	X'0'	0	WQESYSTA	"*" - START OF ARRAY OF SYSIDS
0	(0)	BITSTRING	1	WQESYARR (32)	ARRAY OF 256 BIT SYSIDS

WQE Cross Reference

Name	Hex Offset	Hex Value
WMJAMRFA	133	20
WMJAMRFO	133	40
WMJAMRFR	133	2
WMJAUTOT	112	
WMJAUTOV	B5	4
WMJBENIP	13C	
WMJCASEL	13E	
WMJCHAR1	B2	
WMJDLVRD	B3	80
WMJDNDWQ	B3	40
WMJDSQN	DC	
WMJEBUSY	C2	80
WMJECONN	C2	10
WMJECONS	C2	40
WMJEDOMI	C2	20
WMJEMCO	11A	20
WMJEMHI	11A	10
WMJEMIN	11A	8
WMJEMRN	11A	40
WMJEMRY	11A	80
WMJEPRIO	C2	4
WMJERFS	11A	
WMJERF2	11B	
WMJERF3	11C	
WMJERF4	11D	
WMJESJL	11C	80
WMJEWTOR	C2	8
WMJFLG1	B5	
WMJFLG11	B5	80
WMJHASEL	13F	
WMJIASEL	140	
WMJJ3B1	B3	10
WMJJ3B2	B3	8
WMJJ3CON	120	
WMJJ3MRC	11F	
WMJJ3RTC	11E	
WMJM	0	0
WMJMAECB	8C	
WMJMAREA	5	
WMJMASCB	13C	10
WMJMASID	A1	
WMJMAUTO	141	10
WMJMBUF	A3	
WMJMBUFA	A3	80
WMJMBUFB	A3	40
WMJMBUFC	A3	20
WMJMBUFD	A3	10
WMJMBUFE	A3	8
WMJMBUFF	A3	4
WMJMBUFG	A3	2
WMJMCART	12A	
WMJMCENT	15A	
WMJMCE1	C2	
WMJMCE2	C3	
WMJMCNID	FC	
WMJMCNM	C2	2

Name	Hex Offset	Hex Value
WMJMCNME	122	
WMJMCONS	94	20
WMJMCS	AC	
WMJMCSCT	BB	
WMJMCSE	C2	
WMJMCS1	AC	
WMJMCS1A	AC	80
WMJMCS1B	AC	40
WMJMCS1C	AC	20
WMJMCS1D	AC	10
WMJMCS1E	AC	8
WMJMCS1F	AC	4
WMJMCS1G	AC	2
WMJMCS1H	AC	1
WMJMCS2	AD	
WMJMCS2A	AD	80
WMJMCS2B	AD	40
WMJMCS2C	AD	20
WMJMCS2D	AD	10
WMJMCS2E	AD	8
WMJMCS2F	AD	4
WMJMCS2G	AD	2
WMJMCS2H	AD	1
WMJMDATE	CC	
WMJMDEC	B8	
WMJMDECA	B8	80
WMJMDECB	B8	40
WMJMDECC	B8	20
WMJMDECD	B8	10
WMJMDECE	B8	8
WMJMDECF	B8	4
WMJMDECG	B8	2
WMJMDECH	B8	1
WMJMDECI	B9	80
WMJMDECJ	B9	40
WMJMDECK	B9	20
WMJMDECL	B9	10
WMJMDECM	B9	8
WMJMDEC1	B8	
WMJMDEC2	B9	
WMJMDEC3	BA	
WMJMDMDB	132	8
WMJMDOMD	13C	80
WMJMDSP	A0	
WMJMDSPA	A0	80
WMJMDSPB	A0	40
WMJMDSPC	A0	20
WMJMDSPD	A0	10
WMJMDSPE	A0	8
WMJMDSPF	A0	4
WMJMDSPG	A0	2
WMJMDSPH	A0	1
WMJMECBF	94	
WMJMERC	E0	
WMJMERF1	11A	
WMJMEXT	0	
WMJMFIDO	141	20
WMJMFLGS	D4	
WMJMFLG2	C1	
WMJMFLG3	B3	
WMJMFORN	C1	20
WMJMFTOD	14C	
WMJMFUDO	141	40
WMJMHABD	13C	20
WMJMHC	141	8
WMJMHCID	67	
WMJMHNDL	C1	80
WMJMHUD	D6	1
WMJMISCC	159	
WMJMJBNM	16	
WMJMJTCB	BC	
WMJMKEY	F0	
WMJMKQL1	150	
WMJMKQL2	154	
WMJMLCPL	C1	40
WMJMLENG	DA	
WMJMLTOD	15C	
WMJMLTYA	86	80
WMJMLTYB	86	40
WMJMLTYC	86	20
WMJMLTYD	86	10
WMJMLTYP	86	
WMJMLTY1	86	
WMJMLTY2	87	
WMJMMAJD	94	40
WMJMMFR	133	4
WMJMMIN	88	
WMJMMISC	141	
WMJMMLBC	D8	4
WMJMMLCE	D8	20
WMJMMLE	D8	10
WMJMMLI	D8	8
WMJMMLIA	D8	40
WMJMMLR	D8	80
WMJMMLVL	D8	
WMJMMLW	4	
WMJMMLWA	4	80
WMJMMLWB	4	40
WMJMMLWC	4	20
WMJMMLWD	4	10
WMJMMLWE	4	8
WMJMMLWF	4	4
WMJMMLWG	4	2
WMJMMLWH	4	1
WMJMML1	D8	
WMJMML2	D9	
WMJMMSGN	90	
WMJMMT	AE	
WMJMMT1	AE	
WMJMMT1A	AE	80
WMJMMT1B	AE	40
WMJMMT1D	AE	10
WMJMMT1F	AE	4
WMJMMT2	AF	
WMJMNBEW	13C	40
WMJMNMOD	B5	20
WMJMOJBI	100	
WMJMOJBN	108	
WMJMPAD	C	
WMJMPAD1	15	
WMJMPAD2	1E	
WMJMPAD3	6B	
WMJMPRIV	159	40
WMJMPRTY	110	
WMJMPSB1	94	10
WMJMQD	133	10
WMJMQHCO	D6	2
WMJMQLST	150	
WMJMQNLY	159	20
WMJMRBCA	D5	4

Name	Hex Offset	Hex Value
WMJMRBCN	D5	2
WMJMRCCN	D4	2
WMJMRCDC	D4	20
WMJMRCFC	D6	20
WMJMRCKY	D6	40
WMJMRCMF	D6	10
WMJMRCMT	D4	80
WMJMRCPT	138	
WMJMRCRC	D4	40
WMJMRCTA	B0	80
WMJMRCTB	B0	40
WMJMRCTC	B0	20
WMJMRCTD	B0	10
WMJMRCTE	B0	8
WMJMRCTF	B0	4
WMJMRCTG	B0	2
WMJMRCTH	B0	1
WMJMRCTI	B1	80
WMJMRCTJ	B1	40
WMJMRCTK	B1	20
WMJMRCTL	B1	10
WMJMRCTM	B1	8
WMJMRCTN	B1	4
WMJMRCTO	B1	2
WMJMRCTP	B1	1
WMJMRCT1	B0	
WMJMRCT2	B1	
WMJMRC1	E0	
WMJMRC10	E9	
WMJMRC11	EA	
WMJMRC12	EB	
WMJMRC13	EC	
WMJMRC14	ED	
WMJMRC15	EE	
WMJMRC16	EF	
WMJMRC2	E1	
WMJMRC3	E2	
WMJMRC4	E3	
WMJMRC5	E4	
WMJMRC6	E5	
WMJMRC7	E6	
WMJMRC8	E7	
WMJMRC9	E8	
WMJMRDTM	D5	80
WMJMRESA	6C	
WMJMRETN	B5	40
WMJMRFB1	D4	
WMJMRFB2	D5	
WMJMRFB3	D6	
WMJMRFHC	D5	20
WMJMRFNC	D5	10
WMJMRHCO	D5	8
WMJMRIDL	158	
WMJMRISS	B5	1
WMJMRNRT	D5	1
WMJMROMS	D5	40
WMJMRPML	D4	1
WMJMRQPC	D4	10
WMJMRQRC	D4	4
WMJMRQUN	D4	8
WMJMRRET	D6	80
WMJMRTC	B0	
WMJMRTCT	8	
WMJMRV1A	C3	8
WMJMRV1B	C3	4
WMJMRV1C	C3	2
WMJMRV1D	C3	1
WMJMRV9A	94	8
WMJMRV9B	C3	20
WMJMRV9C	C3	10
WMJMRV99	C3	40
WMJMSAUT	D7	10
WMJMSEER	D7	40
WMJMSEQ	A9	
WMJMSEQ#	A8	
WMJMSER	7A	
WMJMSERA	7A	80
WMJMSERB	7A	40
WMJMSERC	7A	20
WMJMSERD	7A	10
WMJMSERE	7A	8
WMJMSER1	7A	
WMJMSER2	7B	
WMJMSID	A8	
WMJMSIZE	15C	160
WMJMSMPF	D7	1
WMJMSNM	C4	
WMJMSNSI	D7	20
WMJMSNSV	D7	80
WMJMSPVD	159	80
WMJMSQED	D7	8
WMJMSQMC	B5	10
WMJMSSSI	D7	4
WMJMSUPB	D7	
WMJMSWTO	D7	2
WMJMTCB	A4	
WMJMTOKN	F8	
WMJMTRAN	C1	10
WMJMTRCD	A3	1
WMJMTS	D	
WMJMTSNT	142	
WMJMTS2	D1	
WMJMTS3	148	
WMJMTXT	1F	
WMJMTXTA	C3	80
WMJMTXTL	6	
WMJMTXTR	132	80
WMJMUC	A	
WMJMUD	141	80
WMJMUID	B4	
WMJMVRSN	C0	
WMJMWAIT	94	80
WMJMWTP	94	4
WMJMWTPR	133	8
WMJMXIF	132	
WMJMXIF1	132	
WMJMXIF2	133	
WMJMXIRM	132	10
WMJMXMER	132	20
WMJMXMOD	D4	
WMJMXNVT	132	40
WMJMXTUC	134	
WMJNOJLG	B5	8
WMJNSYL	B3	20
WMJNWTP	11C	40
WMJPPNA	B5	2
WMJQDSYS	13D	
WMJQEXT	C1	2
WMJQMCS	C1	1
WMJQONLY	133	80

Name	Hex Offset	Hex Value
WMJQTSYS	133	1
WMJQXSYS	C1	4
WMJRANO	D6	8
WMJRAYS	D6	4
WMJRC1	E0	80
WMJRC10	E1	40
WMJRC100	EC	10
WMJRC101	EC	8
WMJRC102	EC	4
WMJRC103	EC	2
WMJRC104	EC	1
WMJRC105	ED	80
WMJRC106	ED	40
WMJRC107	ED	20
WMJRC108	ED	10
WMJRC109	ED	8
WMJRC11	E1	20
WMJRC110	ED	4
WMJRC111	ED	2
WMJRC112	ED	1
WMJRC113	EE	80
WMJRC114	EE	40
WMJRC115	EE	20
WMJRC116	EE	10
WMJRC117	EE	8
WMJRC118	EE	4
WMJRC119	EE	2
WMJRC12	E1	10
WMJRC120	EE	1
WMJRC121	EF	80
WMJRC122	EF	40
WMJRC123	EF	20
WMJRC124	EF	10
WMJRC125	EF	8
WMJRC126	EF	4
WMJRC127	EF	2
WMJRC128	EF	1
WMJRC13	E1	8
WMJRC14	E1	4
WMJRC15	E1	2
WMJRC16	E1	1
WMJRC17	E2	80
WMJRC18	E2	40
WMJRC19	E2	20
WMJRC2	E0	40
WMJRC20	E2	10
WMJRC21	E2	8
WMJRC22	E2	4
WMJRC23	E2	2
WMJRC24	E2	1
WMJRC25	E3	80
WMJRC26	E3	40
WMJRC27	E3	20
WMJRC28	E3	10
WMJRC29	E3	8
WMJRC3	E0	20
WMJRC30	E3	4
WMJRC31	E3	2
WMJRC32	E3	1
WMJRC33	E4	80
WMJRC34	E4	40
WMJRC35	E4	20
WMJRC36	E4	10
WMJRC37	E4	8
WMJRC38	E4	4
WMJRC39	E4	2
WMJRC4	E0	10
WMJRC40	E4	1
WMJRC41	E5	80
WMJRC42	E5	40
WMJRC43	E5	20
WMJRC44	E5	10
WMJRC45	E5	8
WMJRC46	E5	4
WMJRC47	E5	2
WMJRC48	E5	1
WMJRC49	E6	80
WMJRC5	E0	8
WMJRC50	E6	40
WMJRC51	E6	20
WMJRC52	E6	10
WMJRC53	E6	8
WMJRC54	E6	4
WMJRC55	E6	2
WMJRC56	E6	1
WMJRC57	E7	80
WMJRC58	E7	40
WMJRC59	E7	20
WMJRC6	E0	4
WMJRC60	E7	10
WMJRC61	E7	8
WMJRC62	E7	4
WMJRC63	E7	2
WMJRC64	E7	1
WMJRC65	E8	80
WMJRC66	E8	40
WMJRC67	E8	20
WMJRC68	E8	10
WMJRC69	E8	8
WMJRC7	E0	2
WMJRC70	E8	4
WMJRC71	E8	2
WMJRC72	E8	1
WMJRC73	E9	80
WMJRC74	E9	40
WMJRC75	E9	20
WMJRC76	E9	10
WMJRC77	E9	8
WMJRC78	E9	4
WMJRC79	E9	2
WMJRC8	E0	1
WMJRC80	E9	1
WMJRC81	EA	80
WMJRC82	EA	40
WMJRC83	EA	20
WMJRC84	EA	10
WMJRC85	EA	8
WMJRC86	EA	4
WMJRC87	EA	2
WMJRC88	EA	1
WMJRC89	EB	80
WMJRC9	E1	80
WMJRC90	EB	40
WMJRC91	EB	20
WMJRC92	EB	10
WMJRC93	EB	8
WMJRC94	EB	4
WMJRC95	EB	2
WMJRC96	EB	1
WMJRC97	EC	80

Name	Hex Offset	Hex Value
WMJRC98	EC	40
WMJRC99	EC	20
WMJSUPSJ	C1	8
WMNM	0	0
WMNMHCT1	8	
WMNMHCT2	68	
WMNMLTH1	6	
WMNMLTH2	66	
WMNMLT1	5	
WMNMLT1A	5	80
WMNMLT1B	5	40
WMNMLT1C	5	20
WMNMLT1D	5	10
WMNMLT2	65	
WMNMLT2A	65	80
WMNMLT2B	65	40
WMNMLT2C	65	20
WMNMLT2D	65	10
WMNMML1	4	
WMNMML1B	4	40
WMNMML1C	4	20
WMNMML1D	4	10
WMNMML1E	4	8
WMNMML1F	4	4
WMNMML1G	4	2
WMNMML1H	4	1
WMNMML2	64	
WMNMML2B	64	40
WMNMML2C	64	20
WMNMML2D	64	10
WMNMML2E	64	8
WMNMML2G	64	2
WMNMML2H	64	1
WMNMMSF1	55	
WMNMNX1	0	
WMNMNX2	60	
WMNMRSVD	E0	
WMNMRV9A	55	40
WMNMRV99	55	80
WMNMSEQ1	58	
WMNMSEQ2	B8	
WMNMSIZE	E0	160
WMNMST1	54	
WMNMST2	B4	
WMNMTL1	7	
WMNMTL2	67	
WMNMTPD1	54	80
WMNMTPD2	B4	80
WMNMTRAN	55	20
WMNMTRC1	54	40
WMNMTRC2	B4	40
WMNMTXT1	C	
WMNMTXT2	6C	
WMNMUC1	56	
WMNMUC2	B6	
WMNMWTP1	54	20
WMNMWTP2	B4	20
WMNM1R99	C0	
WMNM2R99	D0	
WMN1FLGS	5C	
WMN1RCMT	5C	80
WMN1RFB1	5C	
WMN1RFB2	5D	
WMN1RFB3	5E	
WMN1RPML	5C	1

Name	Hex Offset	Hex Value
WMN1SAUT	5F	10
WMN1SEER	5F	40
WMN1SMPF	5F	1
WMN1SNSI	5F	20
WMN1SNSV	5F	80
WMN1SQED	5F	8
WMN1SSSI	5F	4
WMN1SUPB	5F	
WMN1SWTO	5F	2
WMN1XMOD	5C	
WMN2FLGS	BC	
WMN2MSF2	B5	
WMN2RCMT	BC	80
WMN2RFB1	BC	
WMN2RFB2	BD	
WMN2RFB3	BE	
WMN2RPML	BC	1
WMN2SAUT	BF	10
WMN2SEER	BF	40
WMN2SMPF	BF	1
WMN2SNSI	BF	20
WMN2SNSV	BF	80
WMN2SQED	BF	8
WMN2SSSI	BF	4
WMN2SUPB	BF	
WMN2SWTO	BF	2
WMN2XMOD	BC	
WQE	0	
WQEAMRFA	133	20
WQEAMRFO	133	40
WQEAMRFR	133	2
WQEASCB	13C	10
WQEASID	A1	
WQEAUTH	A0	1
WQEAUTO	141	10
WQEAUTOT	112	
WQEAUTOV	B5	4
WQEAVAIL	A3	
WQEBENIP	13C	
WQEBUFA	A3	80
WQEBUFB	A3	40
WQEBUFC	A3	20
WQEBUFD	A3	10
WQEBUFE	A3	8
WQEBUFF	A3	4
WQEBUFG	A3	2
WQECART	12A	
WQECASEL	13E	
WQECENT	15A	
WQECHAR1	B2	
WQECNID	FC	
WQECNM	C2	2
WQECNNME	122	
WQEDATE	CC	
WQEDCA	B8	80
WQEDCB	B8	40
WQEDCC	B8	20
WQEDCD	B8	10
WQEDCE	B8	8
WQEDCF	B8	4
WQEDCG	B8	2
WQEDCH	B8	1
WQEDCI	B9	80
WQEDCJ	B9	40
WQEDCK	B9	20

Name	Hex Offset	Hex Value
WQEDCL	B9	10
WQEDCM	B9	8
WQEDC1	B8	
WQEDC2	B9	
WQEDESCD	B8	
WQEDLVRD	B3	80
WQEDMDB	132	8
WQEDNDWQ	B3	40
WQEDOM	A0	4
WQEDOMD	13C	80
WQEDSQN	DC	
WQEEBUSY	C2	80
WQEECONN	C2	10
WQEECONS	C2	40
WQEEDBCS	C3	20
WQEEDOMI	C2	20
WQEEIDBC	C3	10
WQEEMCO	11A	20
WQEEMHI	11A	10
WQEEMIN	11A	8
WQEEMRN	11A	40
WQEEMRY	11A	80
WQEEPRIO	C2	4
WQEERC	E0	
WQEERC1	E0	
WQEERC10	E9	
WQEERC11	EA	
WQEERC12	EB	
WQEERC13	EC	
WQEERC14	ED	
WQEERC15	EE	
WQEERC16	EF	
WQEERC2	E1	
WQEERC3	E2	
WQEERC4	E3	
WQEERC5	E4	
WQEERC6	E5	
WQEERC7	E6	
WQEERC8	E7	
WQEERC9	E8	
WQEERFS	11A	
WQEERF1	11A	
WQEERF2	11B	
WQEERF3	11C	
WQEERF4	11D	
WQEESJL	11C	80
WQEESYNC	C3	4
WQEETXTA	C3	80
WQEEWTOR	C2	8
WQEFIDO	141	20
WQEFLG1	B5	
WQEFLG11	B5	80
WQEFLG2	C1	
WQEFLG3	B3	
WQEFORN	C1	20
WQEFTOD	14C	
WQEFUDO	141	40
WQEHASEL	13F	
WQEHC	141	8
WQEHNDL	C1	80
WQEHUD	D6	1
WQEIASEL	140	
WQEJOBNM	16	
WQEJSTCB	BC	
WQEJ3B1	B3	10
WQEJ3B2	B3	8
WQEJ3CON	120	
WQEJ3MRC	11F	
WQEJ3RTC	11E	
WQEKEY	F0	
WQEKQLST	150	
WQEKQL1	150	
WQEKQL2	154	
WQEL	15C	160
WQELENG	DA	
WQELKP	0	
WQELTOD	15C	
WQEMAJ	0	
WQEMCSA	AC	80
WQEMCSB	AC	40
WQEMCSC	AC	20
WQEMCSCT	BB	
WQEMCSD	AC	10
WQEMCSE	AC	8
WQEMCSEF	C2	
WQEMCSE1	C2	
WQEMCSE2	C3	
WQEMCSF	AC	
WQEMCSFF	AC	4
WQEMCSF1	AC	
WQEMCSF2	AD	
WQEMCSG	AC	2
WQEMCSH	AC	1
WQEMCSI	AD	80
WQEMCSJ	AD	40
WQEMCSK	AD	20
WQEMCSL	AD	10
WQEMCSM	AD	8
WQEMCSN	AD	4
WQEMCSO	AD	2
WQEMCSP	AD	1
WQEMFR	133	4
WQEMIN	0	
WQEMISC	141	
WQEMISCC	159	
WQEMLBC	D8	4
WQEMLCE	D8	20
WQEMLE	D8	10
WQEMLI	D8	8
WQEMLIA	D8	40
WQEMLR	D8	80
WQEMLVL	D8	
WQEML1	D8	
WQEML2	D9	
WQEMSGTA	AE	80
WQEMSGTB	AE	40
WQEMSGTC	AE	20
WQEMSGTD	AE	10
WQEMSGTF	AE	4
WQEMSGTP	AE	
WQEMSGT1	AE	
WQEMSGT2	AF	
WQEMTRCD	A3	1
WQENBEW	13C	40
WQENBR	4	
WQENHABD	13C	20
WQENMOD	B5	20
WQENOJLG	B5	8
WQENSYL	B3	20
WQENWTP	11C	40

Name	Hex Offset	Hex Value
WQEOJBID	100	
WQEOJBNM	108	
WQEORE	A0	20
WQEPAD	C	
WQEPAD1	15	
WQEPAD2	1E	
WQEPAD3	9F	
WQEPER3	D1	
WQEPPNA	B5	2
WQEPRIV	159	40
WQEPRTY	110	
WQEPURGE	A0	80
WQEQD	133	10
WQEQDFHC	A0	10
WQEQDSYS	13D	
WQEQEXT	C1	2
WQEQFHC	A0	40
WQEQHCO	D6	2
WQEQMCS	C1	1
WQEQNLY	159	20
WQEQONLY	133	80
WQEQTSYS	133	1
WQEQXSYS	C1	4
WQERANO	D6	8
WQERAYS	D6	4
WQERBCA	D5	4
WQERBCN	D5	2
WQERCCN	D4	2
WQERCDC	D4	20
WQERCFC	D6	20
WQERCKY	D6	40
WQERCMF	D6	10
WQERCMT	D4	80
WQERCRC	D4	40
WQERC1	E0	80
WQERC10	E1	40
WQERC100	EC	10
WQERC101	EC	8
WQERC102	EC	4
WQERC103	EC	2
WQERC104	EC	1
WQERC105	ED	80
WQERC106	ED	40
WQERC107	ED	20
WQERC108	ED	10
WQERC109	ED	8
WQERC11	E1	20
WQERC110	ED	4
WQERC111	ED	2
WQERC112	ED	1
WQERC113	EE	80
WQERC114	EE	40
WQERC115	EE	20
WQERC116	EE	10
WQERC117	EE	8
WQERC118	EE	4
WQERC119	EE	2
WQERC12	E1	10
WQERC120	EE	1
WQERC121	EF	80
WQERC122	EF	40
WQERC123	EF	20
WQERC124	EF	10
WQERC125	EF	8
WQERC126	EF	4
WQERC127	EF	2
WQERC128	EF	1
WQERC13	E1	8
WQERC14	E1	4
WQERC15	E1	2
WQERC16	E1	1
WQERC17	E2	80
WQERC18	E2	40
WQERC19	E2	20
WQERC2	E0	40
WQERC20	E2	10
WQERC21	E2	8
WQERC22	E2	4
WQERC23	E2	2
WQERC24	E2	1
WQERC25	E3	80
WQERC26	E3	40
WQERC27	E3	20
WQERC28	E3	10
WQERC29	E3	8
WQERC3	E0	20
WQERC30	E3	4
WQERC31	E3	2
WQERC32	E3	1
WQERC33	E4	80
WQERC34	E4	40
WQERC35	E4	20
WQERC36	E4	10
WQERC37	E4	8
WQERC38	E4	4
WQERC39	E4	2
WQERC4	E0	10
WQERC40	E4	1
WQERC41	E5	80
WQERC42	E5	40
WQERC43	E5	20
WQERC44	E5	10
WQERC45	E5	8
WQERC46	E5	4
WQERC47	E5	2
WQERC48	E5	1
WQERC49	E6	80
WQERC5	E0	8
WQERC50	E6	40
WQERC51	E6	20
WQERC52	E6	10
WQERC53	E6	8
WQERC54	E6	4
WQERC55	E6	2
WQERC56	E6	1
WQERC57	E7	80
WQERC58	E7	40
WQERC59	E7	20
WQERC6	E0	4
WQERC60	E7	10
WQERC61	E7	8
WQERC62	E7	4
WQERC63	E7	2
WQERC64	E7	1
WQERC65	E8	80
WQERC66	E8	40
WQERC67	E8	20
WQERC68	E8	10
WQERC69	E8	8
WQERC7	E0	2

Name	Hex Offset	Hex Value
WQERC70	E8	4
WQERC71	E8	2
WQERC72	E8	1
WQERC73	E9	80
WQERC74	E9	40
WQERC75	E9	20
WQERC76	E9	10
WQERC77	E9	8
WQERC78	E9	4
WQERC79	E9	2
WQERC8	E0	1
WQERC80	E9	1
WQERC81	EA	80
WQERC82	EA	40
WQERC83	EA	20
WQERC84	EA	10
WQERC85	EA	8
WQERC86	EA	4
WQERC87	EA	2
WQERC88	EA	1
WQERC89	EB	80
WQERC9	E1	80
WQERC90	EB	40
WQERC91	EB	20
WQERC92	EB	10
WQERC93	EB	8
WQERC94	EB	4
WQERC95	EB	2
WQERC96	EB	1
WQERC97	EC	80
WQERC98	EC	40
WQERC99	EC	20
WQERDTM	D5	80
WQERETAN	B5	40
WQERFB1	D4	
WQERFB2	D5	
WQERFB3	D6	
WQERFHC	D5	20
WQERFLGS	D4	
WQERHCO	D5	8
WQERIDL	158	
WQERISS	B5	1
WQERNHC	D5	10
WQERNRT	D5	1
WQEROMS	D5	40
WQEROUT	B0	
WQEROUTA	B0	80
WQEROUTB	B0	40
WQEROUTC	B0	20
WQEROUTD	B0	10
WQEROUTE	B0	8
WQEROUTF	B0	4
WQEROUTG	B0	2
WQEROUTH	B0	1
WQEROUTI	B1	80
WQEROUTJ	B1	40
WQEROUTK	B1	20
WQEROUTL	B1	10
WQEROUTM	B1	8
WQEROUTN	B1	4
WQEROUTO	B1	2
WQEROUTP	B1	1
WQEROUT1	B0	
WQEROUT2	B1	
WQERPML	D4	1

Name	Hex Offset	Hex Value
WQERPYIB	144	
WQERPYID	B6	
WQERQPC	D4	10
WQERQRC	D4	4
WQERQUN	D4	8
WQERRET	D6	80
WQERSVA4	98	
WQERSVA5	9C	
WQERSVA6	AE	20
WQERSVB1	54	10
WQERSVB2	54	8
WQERSVB3	54	4
WQERSVB4	54	2
WQERSVB5	54	1
WQERSVC1	B4	10
WQERSVC2	B4	8
WQERSVC3	B4	4
WQERSVC4	B4	2
WQERSVC5	B4	1
WQERSVDB	144	
WQERSVD2	7C	
WQERSVD6	94	2
WQERSVD7	94	1
WQERSVD8	95	
WQERSV1B	C3	8
WQERSV1C	C3	2
WQERSV1D	C3	1
WQERSV13	AE	8
WQERSV14	AE	2
WQERSV15	AE	1
WQERSV23	B9	4
WQERSV24	B9	2
WQERSV25	B9	1
WQERSV26	BA	
WQERSV29	74	
WQERSV30	78	
WQERSV31	7A	4
WQERSV32	7A	2
WQERSV33	7A	1
WQERSV34	84	
WQERSV35	86	8
WQERSV36	86	4
WQERSV37	86	2
WQERSV38	86	1
WQERSV50	AE	8
WQERSV51	AE	2
WQERSV52	AE	1
WQERSV54	B6	
WQERSV59	B9	4
WQERSV60	B9	2
WQERSV61	B9	1
WQERSV62	4	80
WQERSV63	5	8
WQERSV64	5	4
WQERSV65	5	2
WQERSV66	5	1
WQERSV68	64	80
WQERSV69	64	4
WQERSV70	65	8
WQERSV71	65	4
WQERSV72	65	2
WQERSV73	65	1
WQERSV98	C1	40
WQERSV99	C3	40
WQERTCT	8	

WQE Cross Reference

Name	Hex Offset	Hex Value
WQESAUT	D7	10
WQESEER	D7	40
WQESEQ#	A8	
WQESEQN	A9	
WQESIZE	15C	160
WQESMPF	D7	1
WQESNSI	D7	20
WQESNSV	D7	80
WQESPVD	159	80
WQESP211	C0	1
WQESP220	C0	2
WQESP410	C0	3
WQESP422	C0	4
WQESP440	C0	5
WQESQED	D7	8
WQESQMC	B5	10
WQESRCPT	138	
WQESSSI	D7	4
WQESUPB	D7	
WQESUPSJ	C1	8
WQESUSP	A0	2
WQESWTO	D7	2
WQESYAR	0	
WQESYARR	0	
WQESYSID	A8	
WQESYSNM	C4	
WQESYSTA	0	0
WQETCB	A4	
WQETOKN	F8	
WQETRANS	C1	10
WQETS	D	
WQETSNT	142	
WQETS2	D1	
WQETS2TH	D2	
WQETS3	148	
WQETXT	1F	
WQETXTL	9E	
WQETXTLN	6	
WQEUCMID	B4	
WQEUD	141	80
WQEUSE	A	
WQEVRID	C0	8
WQEVRSN	C0	
WQEWTOR	A0	8
WQEWTPR	133	8
WQEXA	A0	
WQEXIF	132	
WQEXIF1	132	
WQEXIF2	133	
WQEXIRM	132	10
WQEXMER	132	20
WQEXMOD	D4	
WQEXNVT	132	40
WQEXTTR	132	80
WQEXTUSE	134	
WQE32623	C0	8

WSAVTC Heading Information

Common Name: Work/Save Area Vector Tables
Macro ID: IHAWSAVT
DSECT Name: WSAC - CPU WSAVT
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: None
Storage Attributes: Key: 0
Residency: Below 16M line
Size: WSAC - 184 bytes
Created by: WSAC - IEAVNIP0, IEEVCPRA, IEAVWSAT (template only)
Pointed to by: WSAC - LCCACPUS field of the LCCA data area
Serialization: WSAC - Disablement (in order to use save areas)
Function: Provide mapping of CPU work/save area vector table and the template for this table.

WSAVTC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WSAC	, - CPU WORK/SAVE AREA VECTOR TABLE LCCACPUS POINTS TO THIS AREA
0	(0)	ADDRESS	4	WSACCWSA	- ADDRESS OF LOW-LEVEL COMMON SAVE AREA (104 BYTES)
4	(4)	ADDRESS	4	WSACGTF	- ADDRESS OF GTF SAVEAREA (232 BYTES) (MDC309)
8	(8)	ADDRESS	4	WSACOPTM	- ADDRESS OF SYSTEM RESOURCES MANAGER (SRM) SAVE AREA (9168 BYTES)
12	(C)	ADDRESS	4	WSACTIME	- ADDRESS OF TIMER SAVE AREA (96 BYTES) MDC008
16	(10)	ADDRESS	4	WSACACR	- ADDRESS OF ALTERNATE CPU RECOVERY (ACR) SAVE AREA (3808 BYTES) (SAVE AREA FOR: HARDWARE AND SOFTWARE INFORMATION, NORMAL STACK, IEAVTRTH SAVE AREA - WSACRTMK)
20	(14)	ADDRESS	4	WSACRTMK	- ADDRESS OF RECOVERY TERMINATION MANAGER MACHINE CHECK HANDLER (RTM/MACHK) SAVE AREA (360 BYTES)
24	(18)	ADDRESS	4	WSACIOS	- ADDRESS OF IOS SAVE AREA (80 BYTES)
28	(1C)	ADDRESS	4	WSACEDS0 (0)	- ADDRESS OF SCHEDULE SAVE AREA (OLD NAME) (MDC316)
28	(1C)	ADDRESS	4	WSACESC0	ADDRESS OF SCHEDULE SAVE AREA (80 BYTES)
32	(20)	ADDRESS	4	WSACMF1	- ADDRESS OF MEASUREMENT FACILITY 1 SAVE AREA (144 BYTES) MDC019
36	(24)	ADDRESS	4	WSACABTM	- ADDRESS OF ABTERM SAVE AREA (136 BYTES) MDC006
40	(28)	ADDRESS	4	WSACDIVS	- ADDRESS OF DATA IN VIRTUAL (DIV) WORK/SAVE AREA (8192 BYTES)
44	(2C)	ADDRESS	4	WSACLDWT	- ADDRESS OF WORK/SAVE AREA FOR STATUS SAVING BY LOADWAIT/RESTART PROCESSING (640 BYTES)
48	(30)	ADDRESS	4	WSACSCPS	- ADDRESS OF SUPERVISOR CONTROL PSEUDO SDWA. INITIALIZED BY THE SUPERVISOR ANALYSIS ROUTER, LOCK REPAIR AND GLOBAL RECOVERY. (1384 BYTES).
52	(34)	ADDRESS	4	WSACVSM	- ADDRESS OF VSM GLOBAL BRANCH ENTRY SAVE AREA (528 BYTES)
56	(38)	ADDRESS	4	WSACASMD	- ADDRESS OF AUXILIARY STORAGE MANAGEMENT (ASM) DISABLED INTERRUPT EXIT (DIE) WORK/SAVE AREA (1024 BYTES) (MDC304)
60	(3C)	ADDRESS	4	WSACASMS	- ADDRESS OF AUXILIARY STORAGE MANAGEMENT (ASM) SRB DRIVEN I/O ROUTINES WORK/SAVE AREA (1024 BYTES) (MDC305)
64	(40)	ADDRESS	4	WSACRSM	- ADDRESS OF REAL STORAGE MANAGER (RSM) WORK/SAVE AREA (48 PAGES)

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Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
68	(44)	ADDRESS	4	WSACDCCR	- ADDRESS OF DISABLED CONSOLE COMMUNICATION WORK/SAVE AREA (100 BYTES) (MDC310)
72	(48)	ADDRESS	4	WSACSLIP	- ADDRESS OF SLIP/PER WORK/SAVE (136 BYTES). (MDC317)
76	(4C)	ADDRESS	4	WSACEVRR	- ADDRESS OF ASVT AND AFT RECONSTRUCT WORK/SAVE AREA (8 BYTES).
80	(50)	ADDRESS	4	WSACRESF	- ADDRESS OF RESTART FLIH WORK/SAVE AREA (1536 BYTES).
84	(54)	ADDRESS	4	WSACMFA	- ADDRESS OF MALFUNCTION ALERT WORK/SAVE AREA (256 BYTES).
88	(58)	ADDRESS	4	WSACSCWA	- ADDRESS OF SUPERVISOR CONTROL WORK/SAVE AREA (12288 BYTES)
92	(5C)	ADDRESS	4	WSACTRCE	- ADDRESS OF SYSTEM TRACE SERVICE ROUTINES WORK/SAVE AREA (512 BYTES)
96	(60)	ADDRESS	4	WSACTAIM	- ADDRESS OF RECURSIVE ACR MESSAGE WORK AREA (168 BYTES)
100	(64)	ADDRESS	4	WSACRTMW	- GENERAL RTM WORK/SAVE AREA (3272 BYTES).
104	(68)	ADDRESS	4	WSACSTKA	- ABOVE FRR STACK WORK AREA FOR RTM
108	(6C)	ADDRESS	4	WSACSTKB	- BELOW FRR STACK WORK AREA FOR RTM
112	(70)	ADDRESS	4	WSACASMR	- ADDRESS OF SAVEAREA FOR ASM RECOVERY ROUTINES (1024 BYTES)
116	(74)	ADDRESS	4	WSACSCFS	- ADDRESS OF SUPERVISOR CONTROL FLIH SAVEAREA (1080 BYTES)
120	(78)	ADDRESS	4	WSACSTPL	- ADDRESS OF SUPERVISOR CONTROL'S SYSTEM TRACE PARARMETER LIST FOR DISABLED CALLERS (24 BYTES).
124	(7C)	ADDRESS	4	WSACDESA	- ADDRESS OF DIAGNOSTIC EXIT FACILITY SAVEAREA FOR DISABLED CALLERS (72 BYTES).
128	(80)	ADDRESS	4	WSACPAWA	- ADDRESS OF THE PC/AUTH WORK AREA (3448 BYTES).
132	(84)	ADDRESS	4	WSACSYMR	- ADDRESS OF THE SYMREC WORK SAVEAREA (3000 BYTES).
136	(88)	ADDRESS	4	WSACXCF	- ADDRESS OF XCF WORK AREA (30000 BYTES).
140	(8C)	ADDRESS	4	WSACECLT	- ADDRESS OF THE CURRENT LOCKS HELD TABLE EXTENSION (128 BYTES).
144	(90)	ADDRESS	4	WSACTWA	- ADDRESS OF ETR/MCH WORK SAVE AREA (8192 BYTES).
148	(94)	ADDRESS	4	WSACACR2	- ADDRESS OF ALTERNATE CPU RECOVERY (ACR) WORK/SAVE AREA (1024 BYTES)
152	(98)	ADDRESS	4	WSACBWTO	- ADDRESS OF WORK/SAVE AREA FOR SYNCHRONOUS BRANCH-ENTRY WTO (5008 BYTES)
156	(9C)	ADDRESS	4	WSACTCR1	- ADDRESS OF WORK/SAVE AREA FOR ACR RECOVERY (256 BYTES)
160	(A0)	ADDRESS	4	WSACIXLS	- ADDRESS OF CPU-RELATED SAVE AREA FOR USE BY THE SYSTEM LOCK MANAGER (10 pages)
164	(A4)	ADDRESS	4	WSACIXLL	- ADDRESS OF CPU-RELATED SAVE AREA FOR USE BY THE HARDWARE INTERFACE FUNCTION OF THE SYSTEM LOCK MANAGER (2000 BYTES)
168	(A8)	ADDRESS	4	WSACEGR	- ADDRESS OF CPU-RELATED SAVE AREA FOR USE BY IEAVEGR (9216 BYTES)
172	(AC)	ADDRESS	4	WSACSCHD	- ADDRESS OF CPU WORK/SAVE AREA FOR SRB SCHEDULER (16 BYTES).
176	(B0)	ADDRESS	4	WSACDIRB	- ADDRESS OF CPU WORK/SAVE AREAS FOR IEAVDIRB (168 BYTES).
180	(B4)	ADDRESS	4	WSACMCH	- ADDRESS OF CPU WORK/SAVE AREA FOR MACHINE CHECK HANDLER (628 BYTES)
184	(B8)	ADDRESS	4	WSACXCF2	- ADDRESS OF XCF WORK AREA2 (30000 BYTES).
188	(BC)	ADDRESS	4	WSACREMD	- Address of Registration Services Retrieve exit manager data. (1024 Bytes)
192	(C0)	ADDRESS	4	WSACJOIN	- Address of CPU Work/Save Area for IEAVJOIN/IEAVLEAV (144 bytes)
196	(C4)	ADDRESS	4	WSACVAR8	- ADDRESS OF REAL ADDRESS CONVERSION ROUTINE (IEAVAR08) WORK AREA. (32 BYTES).
200	(C8)	ADDRESS	4	WSACPR	- Address of PRDA work/savearea used by Pause/Release routines. 1024 bytes
204	(CC)	ADDRESS	4	WSACETPT	- Address of work/savearea used by IEAVETPT. 128 bytes
208	(D0)	ADDRESS	4	WSACTRER	- Address of work/savearea used by IEAVTRER 256 bytes

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
212	(D4)	ADDRESS	4	WSAC2RER	- Address of recursive work/savearea for IEAVTRER - used by IGFPMRTH 256 bytes
216	(D8)	ADDRESS	4	WSAC3RER	- Address of recursive work/savearea for IEAVTRER - used by IEAVTEXS 256 bytes

WSAVTC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
WSAC	0		WSAC2RER	D4	
WSACABTM	24		WSAC3RER	D8	
WSACACR	10				
WSACACR2	94				
WSACASMD	38				
WSACASMR	70				
WSACASMS	3C				
WSACBWTO	98				
WSACCWSA	0				
WSACDCCR	44				
WSACDESA	7C				
WSACDIRB	B0				
WSACDIVS	28				
WSACECLT	8C				
WSACEDS0	1C				
WSACEGR	A8				
WSACESC0	1C				
WSACETPT	CC				
WSACEVRR	4C				
WSACGTF	4				
WSACIOS	18				
WSACIXLL	A4				
WSACIXLS	A0				
WSACJOIN	C0				
WSACLDWT	2C				
WSACMCH	B4				
WSACMFA	54				
WSACMF1	20				
WSACOPTM	8				
WSACPAWA	80				
WSACPR	C8				
WSACREMD	BC				
WSACRESF	50				
WSACRSM	40				
WSACRTMK	14				
WSACRTMW	64				
WSACSCFS	74				
WSACSCHD	AC				
WSACSCPS	30				
WSACSCWA	58				
WSACSLIP	48				
WSACSTKA	68				
WSACSTKB	6C				
WSACSTPL	78				
WSACSYMR	84				
WSACTAIM	60				
WSACTCR1	9C				
WSACTIME	C				
WSACTRCE	5C				
WSACTRER	D0				
WSACTWA	90				
WSACVAR8	C4				
WSACVSM	34				
WSACXCF	88				
WSACXCF2	B8				

WSAVTC Heading Information

Common Name: Work/Save Area Vector Tables
Macro ID: IHAWSAVT
DSECT Name: WSAC - CPU WSAVT
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: None
Storage Attributes: Key: 0
Residency: Below 16M line
Size: WSAC - 184 bytes
Created by: WSAC - IEAVNIP0, IEEVCPRA, IEAVWSAT (template only)
Pointed to by: WSAC - LCCACPUS field of the LCCA data area
Serialization: WSAC - Disablement (in order to use save areas)
Function: Provide mapping of CPU work/save area vector table and the template for this table.

WSAVTG Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WSAG	, - GLOBAL WORK/SAVE AREA VECTOR TABLE CVTSPSA POINTS TO THIS AREA
0	(0)	ADDRESS	4	WSAGR000	- FIELD CURRENTLY RESERVED (0 BYTES) -
4	(4)	ADDRESS	4	WSAGGMFM	- RESERVED FOR S/370 COMPATIBILITY (0 BYTES) (MDC301)
8	(8)	ADDRESS	4	WSAGSTSI	- Store system info area
12	(C)	ADDRESS	4	WSAGR00C	- RESERVED.
16	(10)	ADDRESS	4	WSAGR010	- RESERVED.
20	(14)	ADDRESS	4	WSAGR014	- RESERVED.
24	(18)	ADDRESS	4	WSAGR018	- RESERVED.
28	(1C)	ADDRESS	4	WSAGR01C	- RESERVED.
32	(20)	ADDRESS	4	WSAGR020	- RESERVED. (MDC318)
36	(24)	ADDRESS	4	WSAGR024	- RESERVED.
40	(28)	ADDRESS	4	WSAGR028	- RESERVED.
44	(2C)	ADDRESS	4	WSAGR02C	- RESERVED.
48	(30)	ADDRESS	4	WSAGDCCR	- ADDRESS OF WORK/SAVE AREA FOR DISABLED COMMUNICATION (6136 BYTES) (MDC313)
52	(34)	ADDRESS	4	WSAGRESF	- ADDRESS OF WORK/SAVE AREA FOR RESTART FLIH (456) BYTES) (MDC313)
56	(38)	ADDRESS	4	WSAGR038	- RESERVED.
60	(3C)	ADDRESS	4	WSAGTIME	- ADDRESS OF TIMER SAVE AREA (128 BYTES)
64	(40)	ADDRESS	4	WSAGTIM2	- ADDRESS OF TIMER SLIH WORK AREA (24 BYTES).
68	(44)	ADDRESS	4	WSAGR044	- Reserved.
72	(48)	ADDRESS	4	WSAGSRM1	- ADDRESS OF GENERAL REGISTER SAVE AREA FOR SRM - SERIALIZED BY THE SRM LOCK. (72 BYTES)

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WSAVTG Cross Reference

Name	Hex Offset	Hex Value
WSAG	0	
WSAGDCCR	30	
WSAGGMFM	4	
WSAGRESF	34	
WSAGR00C	C	
WSAGR000	0	
WSAGR01C	1C	
WSAGR010	10	
WSAGR014	14	
WSAGR018	18	
WSAGR02C	2C	
WSAGR020	20	
WSAGR024	24	
WSAGR028	28	
WSAGR038	38	
WSAGR044	44	
WSAGSRM1	48	
WSAGSTSI	8	
WSAGTIME	3C	
WSAGTIM2	40	

WSAVTC Heading Information

Common Name: Work/Save Area Vector Tables
Macro ID: IHAWSAVT
DSECT Name: WSAC - CPU WSAVT
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: None
Storage Attributes: Key: 0
Residency: Below 16M line
Size: WSAC - 184 bytes
Created by: WSAC - IEAVNIP0, IEEVCPRA, IEAVWSAT (template only)
Pointed to by: WSAC - LCCACPUS field of the LCCA data area
Serialization: WSAC - Disablement (in order to use save areas)
Function: Provide mapping of CPU work/save area vector table and the template for this table.

WSAVTL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WSAL	, - LOCAL WORK/SAVE AREA VECTOR TABLE ASXBSPSA POINTS TO THIS AREA
0	(0)	ADDRESS	4	WSALCWSA	- ADDRESS OF LOW-LEVEL COMMON SAVE AREA (104 BYTES)
4	(4)	ADDRESS	4	WSALVALC	- ADDRESS OF VALIDITY CHECK SAVE AREA (64 BYTES)
8	(8)	ADDRESS	4	WSALRTM2	- ADDRESS OF RECOVERY TERMINATION MANAGER (RTM) SAVE AREA (80 BYTES)
12	(C)	ADDRESS	4	WSALSDMP	- ADDRESS OF SVC DUMP WORK AREA (104 BYTES)
16	(10)	ADDRESS	4	WSALABTM	- ADDRESS OF ABTERM SAVE AREA (144 BYTES)
20	(14)	ADDRESS	4	WSALCIRB	- ADDRESS OF CIRB SAVE AREA (80 BYTES) MDC005
24	(18)	ADDRESS	4	WSALS2EE	- ADDRESS OF STAGE 2 EXIT EFFECTOR SAVE AREA (80 BYTES)
28	(1C)	ADDRESS	4	WSALEXIT	- ADDRESS OF EXIT (SVC 3) SAVE AREA (160 BYTES)
32	(20)	ADDRESS	4	WSALPOST	- ADDRESS OF POST SAVE AREA (272 BYTES) (MDC303)
36	(24)	ADDRESS	4	WSALWAIT	- ADDRESS OF WAIT SAVE AREA (120 BYTES)
40	(28)	ADDRESS	4	WSALSTAT	- ADDRESS OF STATUS SAVE AREA (384 BYTES)
44	(2C)	ADDRESS	4	WSALSTAE	- ADDRESS OF STAE SAVE AREA (112 BYTES)
48	(30)	ADDRESS	4	WSALEVNT	- ADDRESS OF EVENTS (FAST MULTIPLE WAIT) SAVE AREA (72 BYTES) (MDC300)
52	(34)	ADDRESS	4	WSALRSM	- ADDRESS OF REAL STORAGE MANAGEMENT (RSM) SAVE AREA (216 BYTES)
56	(38)	ADDRESS	4	WSALACHP	- ADDRESS OF ASCB CHAP ROUTINE SAVE AREA (72 BYTES)
60	(3C)	ADDRESS	4	WSALCSV	- ADDRESS OF CONTENTS SUPERVISOR SAVE AREA (1664 BYTES)
64	(40)	ADDRESS	4	WSALISEC	- ADDRESS OF INTERSECT ROUTINE SAVE AREA (64 BYTES)
68	(44)	ADDRESS	4	WSALSTWA	- ADDRESS OF STATUS WORK/SAVE AREA FOR STOP/RESET INTERFACE (56 BYTES)
72	(48)	ADDRESS	4	WSALLSM	- ADDRESS OF GPR SAVE AREA USED WHEN CALLING LINKAGE STACK SERVICES (72 BYTES)
76	(4C)	ADDRESS	4	WSALS3EE	- ADDRESS OF STAGE III EXIT EFFECTOR WORK AREA (168 BYTES).
80	(50)	ADDRESS	4	WSALJSIO	- ADDRESS OF IEAVJSIO WORK/SAVE AREA (1024 BYTES).
84	(54)	ADDRESS	4	WSALJIOC	- ADDRESS OF IEAVJIOC WORK/SAVE AREA (1024 BYTES).
88	(58)	ADDRESS	4	WSALJSTL	- ADDRESS OF IEAVJSTL WORK/SAVE AREA (1024 BYTES).
92	(5C)	ADDRESS	4	WSALXPDA	- ADDRESS OF IEAVXPDA WORK/SAVE AREA (40 BYTES).
96	(60)	ADDRESS	4	WSALEIRB	- ADDRESS OF IEAVEIRB WORK/SAVE AREA (256 BYTES).
100	(64)	ADDRESS	4	WSALEXPM	- ADDRESS OF IEAVEXPM WORK/SAVE AREA (256 BYTES).

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WSAVTL Cross Reference

Name	Hex Offset	Hex Value
WSAL	0	
WSALABTM	10	
WSALACHP	38	
WSALCIRB	14	
WSALCSV	3C	
WSALCWSA	0	
WSALEIRB	60	
WSALEVNT	30	
WSALEXIT	1C	
WSALEXPM	64	
WSALISEC	40	
WSALJIOC	54	
WSALJSIO	50	
WSALJSTL	58	
WSALLSM	48	
WSALPOST	20	
WSALRSM	34	
WSALRTM2	8	
WSALSDMP	C	
WSALSTAE	2C	
WSALSTAT	28	
WSALSTWA	44	
WSALS2EE	18	
WSALS3EE	4C	
WSALVALC	4	
WSALWAIT	24	
WSALXPDA	5C	

WSMA Heading Information

Common Name: Wait State Message Area
Macro ID: IHAWSMA
DSECT Name: WSMA
Owning Component: Communications Task (SC1CK)
Eye-Catcher ID: WSMA
Offset: 0
Length: 4
Storage Attributes: Subpool: 239
Key: 0
Residency: Any
Size: 1144 bytes
Created by: IEAVNPC6
Pointed to by: CVTWSMA IN CVT
Serialization: IEAVBWTO OBTAINS RESTART RESOURCE
Function: CONTAINS LINES OF THE MESSAGE ASSOCIATED WITH A SYSTEM WAIT STATE UP TO A MAXIMUM NUMBER OF LINES DEFINED BY WSMAMAX#. STORAGE CAN BE DISPLAYED BY THE OPERATOR FROM SYSTEM CONSOLE

WSMA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WSMA	, - START OF WSMA
0	(0)	CHARACTER	4	WSMAACR	ACRONYM 'WSMA'
4	(4)	BITSTRING	1	WSMAVRN	VERSION LEVEL
4	(4)	X'1'	0	WSMARID	"WSMA410" CURRENT VERSION LEVEL
4	(4)	X'1'	0	WSMA410	"1" VERSION LEVEL FOR SP410
5	(5)	BITSTRING	1	WSMACNVL	CURRENT NUMBER VALID LINES
6	(6)	CHARACTER	2	WSMARSV	RESERVED
8	(8)	CHARACTER	8	WSMADATE	DATE MESSAGE WAS ISSUED
16	(10)	CHARACTER	8	WSMATIME	TIME MESSAGE WAS ISSUED
24	(18)	CHARACTER	80	WSMATXT1	FIRST LINE OF MESSAGE TEXT
104	(68)	CHARACTER	80	WSMATXT2	SECOND LINE OF MESSAGE TEXT
184	(B8)	CHARACTER	80	WSMATXT3	THIRD LINE OF MESSAGE TEXT
264	(108)	CHARACTER	80	WSMATXT4	FOURTH LINE OF MESSAGE TEXT
344	(158)	CHARACTER	80	WSMATXT5	FIFTH LINE OF MESSAGE TEXT
424	(1A8)	CHARACTER	80	WSMATXT6	SIXTH LINE OF MESSAGE TEXT
504	(1F8)	CHARACTER	80	WSMATXT7	SEVENTH LINE OF MESSAGE TEXT
584	(248)	CHARACTER	80	WSMATXT8	EIGHT LINE OF MESSAGE TEXT
664	(298)	CHARACTER	80	WSMATXT9	NINTH LINE OF MESSAGE TEXT
744	(2E8)	CHARACTER	80	WSMATXTA	TENTH LINE OF MESSAGE TEXT
824	(338)	CHARACTER	80	WSMATXTB	ELEVENTH LINE OF MESSAGE TEXT
904	(388)	CHARACTER	80	WSMATXTC	TWELTH LINE OF MESSAGE TEXT
984	(3D8)	CHARACTER	80	WSMATXTD	THIRTEENTH LINE OF MESSAGE TEXT
1064	(428)	CHARACTER	80	WSMATXTE	FOURTEENTH LINE OF MESSAGE TEXT
1064	(428)	X'478'	0	WSMAEND	"*" END OF WSMA
1064	(428)	X'478'	0	WSMALN	"WSMAEND-WSMA" LENGTH OF ENTIRE BLOCK
1064	(428)	X'E'	0	WSMAMAX#	"14" MAXIMUM NUMBER OF LINES
1064	(428)	X'50'	0	WSMAMLEN	"80" MAXIMUM LENGTH OF LINES

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WSMA Cross Reference

Name	Hex Offset	Hex Value
WSMA	0	
WSMAACR	0	E6E2D4C1
WSMACNVL	5	0
WSMADATE	8	40404040
WSMAEND	428	478
WSMALN	428	478
WSMAMAX#	428	E
WSMAMLEN	428	50
WSMARID	4	1
WSMARSV	6	4040
WSMATIME	10	40404040
WSMATXTA	2E8	40404040
WSMATXTB	338	40404040
WSMATXTC	388	40404040
WSMATXTD	3D8	40404040
WSMATXTE	428	40404040
WSMATXT1	18	40404040
WSMATXT2	68	40404040
WSMATXT3	B8	40404040
WSMATXT4	108	40404040
WSMATXT5	158	40404040
WSMATXT6	1A8	40404040
WSMATXT7	1F8	40404040
WSMATXT8	248	40404040
WSMATXT9	298	40404040
WSMAVRN	4	0
WSMA410	4	1

WWB Heading Information

Common Name: Write To Operator Wait Block Mapping
Macro ID: IHAWWB
DSECT Name: WWB
Owning Component: Communications Task (SC1CK)
Eye-Catcher ID: 'WWB '
Offset: 24
Length: 4 Bytes
Storage Attributes: Subpool: 231
Key: 0
Size: 32 Bytes
Created by: IEAVVWTO, IEAVMWTO
Pointed to by: UCMWECBH (for WQE WWBs), UCMOECBH (for ORE WWBs)
Serialization: None
Function: Used to wait for a WQE or ORE to be freed.
If a WQE is needed, a WWB is placed on the doubly linked chain pointed at by UCMWECBH and UCMWECBT. The program needing the WQE then waits on the ECB part of the WWB. When a WQE is freed and the WWB is at the top of the chain, the ECB is posted. If an ORE is needed then a WWB is placed on the chain pointed at by UCMOECBH and UCMOECBT.

WWB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WWB	
0	(0)	SIGNED	4	WWBFWDPT	FORWARD CHAIN POINTER
4	(4)	SIGNED	4	WWBBCKPT	BACKWARD CHAIN POINTER
8	(8)	SIGNED	4	WWBASCB	ADDRESS OF USERS ASCB
12	(C)	SIGNED	4	WWBTCBAD	ADDRESS OF USERS TCB
16	(10)	CHARACTER	1	WWBFLAGS	FLAGS BYTE
		1...		WWBPOSTD	"X'80'" IF ON THEN ECB HAS BEEN POSTED
		.1..		WWBUSE0	"X'40'" This WWB represents an *authorized* caller and reply ID 0 can be used to satisfy this request (for WWBs on UCMOECBH queue only)
17	(11)	CHARACTER	1	WWBVRSN	VERSION ID
17	(11)	X'1'	0	WWBS220	"1" LEVEL OS/VS2 JBB2220
17	(11)	X'1'	0	WWBVERN	"WWBS220" THE CURRENT VERSION LEVEL
18	(12)	CHARACTER	2	WWBRESRV	RESERVED
20	(14)	SIGNED	4	WWBECB	ECB PART OF WTOECB
24	(18)	CHARACTER	4	WWBACRN	ACRONYM 'WWB '
28	(1C)	CHARACTER	4		RESERVED
28	(1C)	X'20'	0	WWBLENG	"*" END OF WWB
28	(1C)	X'20'	0	WWBSIZE	"WWBLENG-WWB"
28	(1C)	X'14'	0	WWBECBOF	"WWBECB-WWB" ECB OFFSET

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WWB Cross Reference

Name	Hex Offset	Hex Value
WWB	0	
WWBACRN	18	
WWBASCB	8	
WWBBCKPT	4	
WWBECB	14	
WWBECBOF	1C	14
WWBFLAGS	10	
WWBFWDPT	0	
WWBLENG	1C	20
WWBPOSTD	10	80
WWBRESRV	12	
WWBSIZE	1C	20
WWBS220	11	1
WWBTCBAD	C	
WWBUSE0	10	40
WWBVERN	11	1
WWBVRSN	11	

XCPS Heading Information

Common Name: Channel Program Scan Program List/Work Area
Macro ID: IECDXCPS
DSECT Name: XCPS
Owning Component: Execute Channel Program Processor (SC1C6)
Subpool and Key: 226 and key 0 (Residence - below 16M line)
Size: 160 bytes
Created by: IECVEXCP, EXCP processor, when the callers I/O request is r. to a device that requires CPS services.
Pointed to by: Register 1 on entry to the channel program scan exit routine.
Serialization: Local lock
Function: Describes the input parameter list and work area passed by the EXCP processor to the Channel Program Scan (CPS) exit routine.

XCPS Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CPS	
0	(0)	CHARACTER	4	CPSCPS	CPS acronym
4	(4)	BITSTRING	1	CPSENTRY	Entry reason byte
		1		CPSENSIO	"X'01'" . STARTIO entry
		.... ..1.		CPSENIOE	"X'02'" . I/O error entry
		11		CPSENEOE	"X'03'" . End of Extent entry
		.... .1..		CPSENNML	"X'04'" . Normal-end entry
5	(5)	CHARACTER	3	CPSRESV1	Reserved
8	(8)	ADDRESS	4	CPSRQE	EXCP RQE address
12	(C)	ADDRESS	4	CPSIOSB	EXCP IOSB address
16	(10)	CHARACTER	16	CPSRESV2	Reserved
32	(20)	CHARACTER	128	CPSWA	Work area for use by the channel program scan exit, includes prefix CCWs, set to 0's on initial entry
32	(20)	X'A0'	0	CPSLEN	"*" CPS block length

XCPS Cross Reference

Name	Hex Offset	Hex Value
CPS	0	
CPSCPS	0	
CPSENEOE	4	3
CPSENIOE	4	2
CPSENNML	4	4
CPSENSIO	4	1
CPSENTRY	4	
CPSIOSB	C	
CPSLEN	20	A0
CPSRESV1	5	
CPSRESV2	10	
CPSRQE	8	
CPSWA	20	

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XDBA Heading Information

Common Name: EXCP Debugging Area
Macro ID: IECDXDBA
DSECT Name: XDBA
Owning Component: Execute Channel Program Processor (SC1C6)
Subpool and Key: Subpool 230 associated with the job step TCB and key 0. (Residence - below 16M line)
Size: 4096 bytes
Created by: IECVEXFR, EXCP processor functional recovery routine.
Pointed to by: TCBEXCPD field of the TCB data area
XDBACHAN field of the XDBA data area
Serialization: None
Function: The XDBA contains diagnostic data provided by EXCP's functional recovery routine(IECVEXFR), to aid in debugging EXCP I/O request problems.

XDBA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	XDBA	
0	(0)	BITSTRING	256	XDBANLGE (0)	XDBA non-large block area
0	(0)	CHARACTER	16	XDBATTL1	XDBA block identifier
16	(10)	SIGNED	4	XDBACHAN	XDBA chain pointer or zero
20	(14)	SIGNED	2	XDBACOMP	EXCP abend completion code
22	(16)	SIGNED	2	XDBACC	SDWA original abend code
24	(18)	BITSTRING	8	XDBAPSW	SDWA PSW at time of error
32	(20)	SIGNED	4	XDBATRAN	Translation exception address
36	(24)	BITSTRING	12	XDBARV1	Reserved
48	(30)	SIGNED	4	XDBARGSV (16)	SDWA registers at time of error
112	(70)	CHARACTER	8	XDBATTL2	FRR parm area identifier
120	(78)	BITSTRING	24	XDBAFRRP	EXCP FRR parameter area
144	(90)	CHARACTER	4	XDBATTL3	RQE block identifier
148	(94)	BITSTRING	64	XDBARQE	RQE block size + the 8 byte storage manager header.
212	(D4)	BITSTRING	24	XDBARV3	Reserved
236	(EC)	BITSTRING	4	XDBALBCT	Number of large blocks in XDBA

Comment

The large size blocks are moved into the remaining XDBA area
starting at X'100' offset, in following sequence (if present):
..... SRB/IOSB, EWA, TCCW, IDAL, FIX, BEB AND CPS.
Only valid large blocks are moved.

End of Comment

240	(F0)	CHARACTER	16	XDBATTL4	Large block area identifer
256	(100)	BITSTRING	0	XDBAENT (0)	Start of large blocks
256	(100)	BITSTRING	1	XDBALGEB	Large block entry

Comment

XDBA constants

End of Comment

256	(100)	X'100'	0	XDBAEL	"256" Size of large block + storage manager header.
256	(100)	X'40'	0	XDBAER	"RQEBL+8" Size of RQE block + storage manager header.
256	(100)	X'1000'	0	XDBASIZE	"4096" Size of XDBA block.
256	(100)	X'F'	0	XDBABLKS	"(XDBASIZE-(XDBAENT-XDBA))/XDBAEL" Number of slots for storing large blocks

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XDBA Cross Reference

Name	Hex Offset	Hex Value
XDBA	0	
XDBABLKS	100	F
XDBACC	16	
XDBACHAN	10	
XDBACOMP	14	
XDBAEL	100	100
XDBAENT	100	
XDBAER	100	40
XDBAFRRP	78	
XDBALBCT	EC	
XDBALGEB	100	
XDBANLGE	0	
XDBAPSW	18	
XDBARGSV	30	
XDBARQE	94	
XDBARV1	24	
XDBARV3	D4	
XDBASIZE	100	1000
XDBATRAN	20	
XDBATTL1	0	
XDBATTL2	70	
XDBATTL3	90	
XDBATTL4	F0	

XMD Heading Information

Common Name: CROSS MEMORY DIRECTORY
Macro ID: IHAXMD
DSECT Name: XMD
Owning Component: PC/AUTH (SCXMS)
Eye-Catcher ID: XMD
Offset: 0
Length: 4
Storage Attributes: Subpool: 229 - LOCAL IN THE PC/AUTH ADDRESS SPACE
Key: 0
Residency: VIRTUAL: ABOVE 16M LINE.
Size: 56 bytes
Created by: IEAVXMAS
Pointed to by: SVTXMD
Serialization: THE CML LOCK OF THE PC/AUTH ADDRESS SPACE IS REQUIRED FOR READ AND WRITE ACCESS.
Function: CONTAINS VARIOUS POINTERS AND INFORMATION USED BY THE SERVICES EXECUTING IN THE CROSS MEMORY SERVICES ADDRESS SPACE.

XMD Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	56	XMD	CROSS MEMORY DIRECTORY
0	(0)	CHARACTER	4	XMDXMD	XMD ACRONYM
4	(4)	ADDRESS	4	XMDLXAT	POINTER TO THE LINKAGE INDEX ALLOCATION TABLE
8	(8)	CHARACTER	8	XMDETIBH	HEADER OF ENTRY TABLE INFORMATION BLOCK QUEUE
8	(8)	ADDRESS	4	XMDETIBF	POINTER TO FIRST ETIB ON QUEUE
12	(C)	ADDRESS	4	XMDETIBL	POINTER TO LAST ETIB ON QUEUE
16	(10)	ADDRESS	4	XMDAXAT	ADDRESS OF AUTHORIZATION INDEX ALLOCATION TABLE
20	(14)	BITSTRING	1	XMDFLAGS	FLAG BYTE
		1...		XMDRSV1	RESERVED FLAG
		.1..		XMDRSV2	RESERVED FLAG
21	(15)	BITSTRING	3	XMDRSV9	RESERVED FIELD
24	(18)	ADDRESS	4	XMDXMSE	ADDRESS OF THE QUEUE OF XMSE'S IN PC/AUTH'S ADDRESS SPACE
28	(1C)	UNSIGNED	2	XMDATLNB	LENGTH OF THE SYSTEM AUTHORIZATION TABLE (IN BYTES)
30	(1E)	UNSIGNED	2	XMDSATLN	LENGTH OF THE SYSTEM AUTHORIZATION TABLE. (0030) USED TO INITIALIZE AN ASTE
32	(20)	UNSIGNED	4	XMDSATOR	THE REAL ADDRESS OF THE SYSTEM AUTHORIZATION TABLE IN FORMAT TO INITIALIZE THE ASTE.
36	(24)	ADDRESS	4	XMDSATOV	THE VIRTUAL ADDRESS OF THE SYSTEM ATHORIZATION TABLE
40	(28)	UNSIGNED	4	XMDSLTD	REAL ADDRESS AND LENGTH OF THE SYSTEM LINKAGE TABLE (WITH THE VALID BIT ON) IN ASTE FORMAT
44	(2C)	ADDRESS	4	XMDSLT	ADDRESS OF THE SYSTEM LINKAGE TABLE WHICH CONTAINS ONLY SYSTEM WIDE ENTRIES
48	(30)	ADDRESS	4	XMDXMSEL	ADDRESS OF THE LAST XMSE ON THE QUEUE ANCHORED BY XMDXMSE
52	(34)	ADDRESS	4	XMDXMSER	PENDING ASID REUSE QUEUE

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XMD Constants

Len	Type	Value	Name	Description
4	DECIMAL	255	XMDFSP	ID OF FIXED SUBPOOL USED FOR THE ENTRY, LINKAGE AND AUTH TABLES
4	DECIMAL	229	XMDPSP	ID OF SUBPOOL USED FOR THE PAGEABLE CONTROL BLOCKS
4	DECIMAL	229	XMDDASP	ID OF SUBPOOL USED FOR THE DYNAMIC DATA AREAS
4	DECIMAL	215	XMDSP215	ID OF DREF SUBPOOL FOR CROSS MEMORY CONTROL BLOCKS
4	DECIMAL	245	XMDLPSP	ID OF SUBPOOL FOR LATENT PARAMETER AREAS

XMD Cross Reference

Name	Hex Offset	Hex Value
XMD	0	
XMDATLNB	1C	
XMDAXAT	10	
XMDETIBF	8	
XMDETIBH	8	
XMDETIBL	C	
XMDFLAGS	14	
XMDLXAT	4	
XMDRSV1	14	80
XMDRSV2	14	40
XMDRSV9	15	
XMDSATLN	1E	
XMDSATOR	20	
XMDSATOV	24	
XMDSLT	2C	
XMDSLTD	28	
XMDXMD	0	
XMDXMSE	18	
XMDXMSEL	30	
XMDXMSER	34	

XQSRD Heading Information

Common Name: ASM Quick Start Record Extension
Macro ID: ILRXQSRD
DSECT Name: XQSR, XQSRENTER
Owning Component: Auxiliary Storage Manager (SC1CW)
Eye-Catcher ID: XQSR
Offset: 0
Length: 4
Storage Attributes: Virtual Storage: YES
Subpool: 245
Key: 0
Data Space: NO
Residency: Above 16 Megabytes virtual
Size: 4096 bytes
Created by: ILRASRIM
Pointed to by: NVTQSBUF plus length of QSR plus length EQSR. The XQSR is contiguous in storage following QSR and EQSR.
Serialization: Serialized by initialization processing
Function: The XQSR contains the primary LSIDs for LPA pages.

XQSRD Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	4096	XQSR	Quick Start Record Extension
0	(0)	CHARACTER	96	XQSRHDR	XQSR header
0	(0)	CHARACTER	4	XQSRIDNT	Control block identifier, set to C'XQSR'
4	(4)	ADDRESS	4	XQSRLPAS	Low virtual address -- start address of section of LPA mapped by this XQSR
8	(8)	ADDRESS	4	XQSRLPAE	High virtual address -- end address of section of LPA mapped by this XQSR
12	(C)	SIGNED	4	XQSRNUM	Number of LPA entries in this XQSR
16	(10)	BITSTRING	1	XQSRFLAG	Flag byte
		1...		XQSRPLPA	PLPA XQSR
		.1..		XQSREPLP	EPLPA XQSR
		..11 1111		*	Reserved
17	(11)	CHARACTER	3	XQSRFRSV	Reserved
20	(14)	CHARACTER	76	XQSRSRV	Reserved
96	(60)	CHARACTER	4000	XQSRMAP	Map of LPA page LSIDs made up of 8-byte entries

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	8	XQSRENTR	Each XQSR entry contains the LSID for an LPA page. The entries are built in ascending order of virtual address. Each entry contains one LSID. The first zero entry indicates the end of the entries in use.
0	(0)	SIGNED	4	XQSRLSID	Logical slot ID for the LPA page
0	(0)	CHARACTER	1	XQSRPTNN	PART number portion of LSID identifying page data set, must always be set to zero
1	(1)	CHARACTER	3	XQSRSLOT	Slot number portion of LSID identifying slot within the page data set
4	(4)	SIGNED	4	XQSRRSV1	Reserved

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XQSRD Cross Reference

Name	Hex Offset	Hex Value
XQSR	0	
XQSRENTR	0	
XQSREPLP	10	40
XQSRFLAG	10	
XQSRFRSV	11	
XQSRHDR	0	
XQSRIDNT	0	
XQSRLPAE	8	
XQSRLPAS	4	
XQSRLSID	0	
XQSRMAP	60	
XQSRNUM	C	
XQSRPLPA	10	80
XQSRPTNN	0	
XQSRRSV1	4	
XQSRSLOT	1	
XQSRSRV	14	

XSA Heading Information

Common Name: EXTENDED SAVE AREA
Macro ID: IEEXSA
DSECT Name: XSA
Owning Component: MASTER SCHEDULER (SC1B8)
Eye-Catcher ID: XSA
Offset: N/A or 144
Length: 4
Storage Attributes: Subpool: VARIABLE. PART OF SVRB OR SUBPOOL 229
Key: 0
Residency: ANY
Size: 48 OR 400 BYTES
Created by: Supervisor, in creating a Supervisor Request block (48 bytes), SVC 34, in creating a dummy XSA for use within SVC 34 only (400 bytes), or various Started Task Control routines, which use IEE0503D as a message module (48 bytes).
Pointed to by: FOR SUPERVISOR AND STC ROUTINES, 96 BYTES PAST THE START OF THE SVRB. DURING SVC 34 PROCESSING, REGISTER 2 POINTS TO THE GETMAINED XSA.
Serialization: NONE
Function: SERVES AS A PARAMETER AND COMMUNICATION AREA WITHIN SVC 34. IT IS THE PARAMETER LIST PASSED TO IEE0503D.

XSA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	400	XSAMAP	
0	(0)	CHARACTER	48	XASVRB	Y02669

Comment

'LENGTH (XASVRB)' YIELDS LENGTH OF XSA Y02669
IN THE SVRB Y02669

End of Comment

0	(0)	CHARACTER	8	XSA	BEGINNING OF SAVE AREA Y02669

Comment

THE USAGE OF THE FIELDS MARKED AS "WORK WORD" ARE DEFINED
WITHIN INDIVIDUAL COMMAND MODULES.

End of Comment

0	(0)	ADDRESS	4	XAP	WORK WORD
4	(4)	ADDRESS	4	XAD	WORK WORD
8	(8)	CHARACTER	8	XAX	WORK DOUBLE WORD
16	(10)	SIGNED	4	*	
16	(10)	CHARACTER	1	XAE	ERROR CODE Y02669
17	(11)	ADDRESS	3	XAR	PTR TO PARM LIST (REG1)
20	(14)	SIGNED	4	*	
20	(14)	CHARACTER	1	XAN	VERB INDEX Y02669

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Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
21	(15)	ADDRESS	3	XAL	PTR TO LIST POSITION
24	(18)	CHARACTER	8	XAV	VERB Y02669
24	(18)	SIGNED	4	XAV1	FIRST WORD OF XAV
28	(1C)	ADDRESS	4	XAV2	SECOND WORD OF XAV
32	(20)	CHARACTER	8	XAS	TEMORARY SAVE AREA Y02669
40	(28)	CHARACTER	1	XAU	UCM ENTRY INDICATOR Y02669
41	(29)	CHARACTER	1	*	RESERVED Y02669
42	(2A)	SIGNED	2	XAA	ASID ENTRY INDICATOR Y02669
44	(2C)	SIGNED	4	XAK	KEPT FOR COMMUNICATIONS WITHIN A SINGLE COMMAND AFTER IEECB808 FOR ATTACHED COMMANDS OR AFTER COMMAND EXIT AND SUBSYTEM PROCESSING. BEFORE THEN IT CONTAINS THE ORIGINATING CONSOLE ID. (IEE0703D - STOP/MODIFY ALSO USES ORIGINATING CONSOLE ID

Comment

Y02669
THE FOLLOWING FIELDS EXIST ONLY IN THE SUBPOOL Y02669
229 XSA IN VS2 Y02669
Y02669

End of Comment

Comment

SAVE AREA FOR SETLOCK INVOCATION Y02651
THIS CONSISTS OF FOUR FULL WORDS USED TO SAVE Y02651
REGISTERS 11, 12, 13, AND 14. Y02651
THIS SAVE AREA IS ALSO DECLARED BELOW AS XASAVLOC, A
4-ELEMENT ARRAY OF FULLWORDS.

End of Comment

48	(30)	CHARACTER	16	XASAVLOX	SETLOCK SAVE AREA
48	(30)	SIGNED	4	XASAVLC1	
52	(34)	SIGNED	4	XASAVLC2	
56	(38)	SIGNED	4	XASAVLC3	
60	(3C)	SIGNED	4	XASAVLC4	

Comment

STANDARD SAVE AREA Y02669
THE ADDRESS OF THIS 18 FULL WORD AREA IS PASSED TO Y02669
THOSE ROUTINES INVOKED BY SVC 34 WHICH REQUIRE A SAVE Y02669
AREA. Y02669
THIS SAVE AREA IS ALSO DECLARED BELOW AS XASAVSTD,
AN 18-ELEMENT ARRAY OF FULLWORDS.

End of Comment

64	(40)	CHARACTER	72	XASAVSTR	STANDARD SAVE AREA
64	(40)	SIGNED	4	XASAVSDA	
68	(44)	SIGNED	4	XASAVSDB	
72	(48)	SIGNED	4	XASAVSDC	
76	(4C)	SIGNED	4	XASAVSDD	
80	(50)	SIGNED	4	XASAVSDE	
84	(54)	SIGNED	4	XASAVSDF	
88	(58)	SIGNED	4	XASAVSDG	
92	(5C)	SIGNED	4	XASAVSDH	
96	(60)	SIGNED	4	XASAVSDI	
100	(64)	SIGNED	4	XASAVSDJ	
104	(68)	SIGNED	4	XASAVSDK	
108	(6C)	SIGNED	4	XASAVSDL	
112	(70)	SIGNED	4	XASAVSDM	
116	(74)	SIGNED	4	XASAVSDN	

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
120	(78)	SIGNED	4	XASAVSDO	
124	(7C)	SIGNED	4	XASAVSDP	
128	(80)	SIGNED	4	XASAVSDQ	
132	(84)	SIGNED	4	XASAVSDR	
136	(88)	CHARACTER	16	*	

Comment

SVC 34 COMMAND FLAGS
THE FIRST HALF WORD CONTAINS A COPY OF THE 3RD AND 4TH BYTES OF THE SVC 34 PARAMETER LIST PROVIDED THE HIGH ORDER BIT IN THE FIRST BYTE OF THE PARAMETER LIST IS ON.

End of Comment

136	(88)	UNSIGNED	4	XACMFLGS	COMMAND FLAGS

Comment

THE XACMFLGA FIELD MUST BE EXACTLY MAPPED BY THE MGCELFL FIELD IN THE MGCRE PARAMETER LIST (IEZMGCRE)

End of Comment

136	(88)	UNSIGNED	2	XACMFLGA	PART 1 OF COMMAND FLAGS
136	(88)	BITSTRING	1	XACMFLG1	1ST FLAG BYTE
		1...		XACMF11	EXTENDED FORM (MGRCE) PARAMETER LIST IS BEING USED
		.1..		XACMF12	COMMAND ISSUED BY SUBSYSTEM
		..1.		XACMF13	COMMAND ISSUED BY MODULE IEAVC700
		...1		XACMF14	COMMAND IS NOT TO BE HARDCOPIED
		.... 1...		XACMF15	A TOKEN EXISTS
		.... .1..		XACMF16	CONSID KEYWORD WAS SPECIFIED IN MGCRE
		.... ..1.		XACMF17	CONSNAME KEYWORD WAS SPECIFIED IN MGCRE
		1		XACMF18	COMMAND AUTHORITY WAS SPECIFIED IN MGCRE
137	(89)	BITSTRING	1	XACMFLG2	2ND FLAG BYTE
		1...		XACMF21	COMMAND IS AUTHORIZED TO BYPASS SSI,USER EXITS, CMDAUTH AND SYMBOLIC SUBSTITUTION
		.1..		XACMF22	NO PREFIX PROCESSING
		..1.		XACMF23	CART SPECIFIED IN MGCRE
		...1		XACMF24	CONSOLXX QUEUED COMMAND
		.... 1...		XACMF25	A UTOKEN WAS SPECIFIED ON MGCR
		.... .1..		XACMF26	COMMAND WAS ROUTED
		.... ..1.		XACMF27	BYPASS DEQ INDICATOR
		1		XACMF28	DEFERRED COMMAND EXECUTION
138	(8A)	UNSIGNED	2	XACMFLGB	PART 2 OF COMMAND FLAGS
138	(8A)	BITSTRING	1	XACMFLG3	3RD FLAG BYTE
		1...		XACMF31	UNCOND SPECIFIED ON VARY
		.1..		XACMF32	FORCE OPTION SPECIFIED WITH VARY
		..1.		XACMF33	LOCKS HELD INDICATOR - '1' IF LOCKS ARE HELD, '0' IF LOCKS ARE NOT HELD
		...1		XACMF34	MESSAGE INDICATOR USED BY IEE4603D IEE4903D AND IEE7703D
		.... 1...		XACRESET	RESET OPERAND SPECIFIED ON VARY OFFLINE
		.... .1..		XACUIRMG	ISSUE CUIR MESSAGE
		.... ..1.		XACOFFLN	OFFLINE KEYWORD SPECIFIED
		1		XACSYSMC	X SYSTEM MCS RESORUCE HELD
139	(8B)	BITSTRING	1	XACMFLG4	4TH FLAG BYTE
		1...		XACMF41	COMMAND PREFIX SPECIFIED
		.1..		XACMF42	Reserved
		..1.		XACMF43	IEE4603D usage: indicates that device is changing from console state to ON/OFFLINE state
		...1		XACMF44	Command routed by ROUTE *ALL command
		.... 1...		XABEWTO	IEE1503D should issue a branch entry WTO
		.... .1..		XASUBSTU	Command symbolic substitution has occurred

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		XANOBY	Do not bypass RACROUTE for requeued commands
		1		XAHCONLY	Issue msgs to Hardcopy Only
140	(8C)	CHARACTER	4	XACTOKEN	31 BIT RIGHT JUSTIFIED TOKEN
		1...		XACTOKHR	A TOKEN EXISTS
144	(90)	CHARACTER	4	XACBID	CONTROL BLOCK ID 'XSA '
148	(94)	ADDRESS	4	XAMSRAS	POINTER TO MASTER SCHEDULER RAS DATA COMMUNICATIONS AREA

Comment

WORK POINTER SAVE AREA
TO BE USED WITHIN A SINGLE COMMAND PROCESSOR

End of Comment

152	(98)	CHARACTER	32	XAWORK	WORK POINTER AREA
152	(98)	SIGNED	4	XAWORKA	WORK POINTER 1
156	(9C)	SIGNED	4	XAWORKB	WORK POINTER 2
160	(A0)	SIGNED	4	XAWORKC	WORK POINTER 3
164	(A4)	SIGNED	4	XAWORKD	WORK POINTER 4
168	(A8)	SIGNED	4	XAWORKE	WORK POINTER 5
172	(AC)	SIGNED	4	XAWORKF	WORK POINTER 6
176	(B0)	SIGNED	4	XAWORKG	WORK POINTER 7
180	(B4)	SIGNED	4	XAWORKH	WORK POINTER 8

Comment

VERSION LEVEL OF THIS MACRO

End of Comment

184	(B8)	CHARACTER	216	*	
184	(B8)	UNSIGNED	1	XAVERSN	VERSION LEVEL OF XSA. UPDATED FOR SIZE OR INCOMPATABLE CHANGE
185	(B9)	CHARACTER	3	XAWORKI	3 BYTE WORK AREA
188	(BC)	SIGNED	4	XAWORKJ	WORK AREA
192	(C0)	SIGNED	4	XARN003D	RETURN ADDRESS FOR SVC 34 (IEE0003D)
196	(C4)	SIGNED	4	XARN303D	RETURN ADDRESS FOR SVC 34 (IEE0303D)
200	(C8)	SIGNED	4	XABS303D	ADDRESSIBILITY FOR IEE0303D
204	(CC)	SIGNED	4	XABS403D	ADDRESSIBILITY FOR IEE0403D

Comment

THE XAXSPLA IS ONLY USED IN IEE3603D LOAD MODULE

End of Comment

204	(CC)	ADDRESS	4	XAXSPLA	ADDRESS OF XSPL

Comment

ROUTING CODE KEYWORD VALUES

End of Comment

208	(D0)	CHARACTER	16	XARTCODE	ROUTING CODES SPECIFIED ON THE ROUT KEYWORD OF THE VARY CONSOLE/HARDCPY COMMAND
224	(E0)	CHARACTER	16	XAAROUT	ROUTING CODES SPECIFIED ON THE AROUT KEYWORD OF THE VARY CONSOLE/HARDCPY COMMAND
240	(F0)	CHARACTER	16	XADROUT	ROUTING CODES SPECIFIED ON THE DROUT KEYWORD OF THE VARY CONSOLE/HARDCPY COMMAND

Comment

ADDRESSIBILITY FOR SVC 34 CSECTS

End of Comment

256	(100)	ADDRESS	4	XABS203D	ADDRESS OF GLUE ROUTINE - IEE0203D

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
260	(104)	ADDRESS	4	XAVTAM	ADDRESS OF VTAM ROUTINE - ISTCFF3D
264	(108)	ADDRESS	4	XATCAM	ADDRESS OF TCAM ROUTINE - IED1303D
268	(10C)	BITSTRING	1	XAGLUE	FLAGS FOR GLUE ROUTINE
		1...		XANETMOD	IF ON, VTAM PROCESSING
		.1..		XATPMOD	IF ON, TCAM PROCESSING
269	(10D)	BITSTRING	1	XAFLAGS	MISCELLANEOUS FLAGS
		1...		XAMULTI	MULTIPLE INSERTS PASSED AS INPUT TO IEE0503D
		.1..		XATRNSPT	COMMAND HAS BEEN TRANSPORTED TO ANOTHER SYSTEM FOR PROCESSING
		..1.		XACATP	COMMAND IS TRANSPORTED BY COMMAND ASSOCIATION PROCESSING
		...1		XACARJ	COMMAND IS REJECTED BY COMMAND ASSOCIATION, ASSOCIATED SYSTEM IS NOT ACTIVE
		.... 1...		XAD22R20	Problem program issued command, will receive ABENDD22-20
		.... .111		*	RESERVED
270	(10E)	CHARACTER	2	XARES	RESERVED
272	(110)	ADDRESS	4	XARN403D	RETURN ADDRESS FOR SVC 34 (IEE0403D)
276	(114)	CHARACTER	8	XACONSNT	TARGET CONSOLE NAME
284	(11C)	CHARACTER	8	XACONSNI	ISSUING CONSOLE NAME
292	(124)	UNSIGNED	4	XACNSIDT	FOUR BYTE TARGET CONSOLE ID
292	(124)	UNSIGNED	1	XACNSTCL	TARGET CONSOLE CLASS
293	(125)	UNSIGNED	3	XACNSTID	TARGET CONSOLE ID
296	(128)	UNSIGNED	4	XACNSIDI	FOUR BYTE ISSUING CONSOLE ID
296	(128)	UNSIGNED	1	XACNSICL	ISSUING CONSOLE CLASS
297	(129)	UNSIGNED	3	XACNSIID	ISSUING CONSOLE ID
300	(12C)	CHARACTER	1	XACMDF	COMMAND FLAGS
		1...		XACMNMCS	NON-MCS CONSOLE
		.1..		XACPLVAL	VALID MGCRE PARAMETER LIST
		..1.		XAGBDATA	TARGET CONSOLE HAS GLOBAL DATA
		...1		XARPLY	COMMAND IS A REPLY
		.... 1...		XARPLYS	COMMAND IS SECURITY REPLY
		.... .1..		XACMDF4	RESERVED
		.... ..1.		XACMDF5	RESERVED
		1		XACMDF6	RESERVED

Comment

THE XADISP FIELD MUST BE EXACTLY MAPPED BY THE CHDISP FIELD IN THE CSCB (IEECHAIN) AND THE MGCEDISP FIELD IN THE MGCRE PARAMETER LIST (IEZMGCRE).

End of Comment

301	(12D)	BITSTRING	1	XADISP	COMMAND DISPOSITION
		1...		XADISPA	COMMAND HAS MASTER AUTHORITY AUTHORITY
		.1..		XADISPM	COMMAND HAS PSEUDO MASTER AUTHORITY
		..1.		XADISPC	COMMAND WAS ISSUED FROM AN MCS CONSOLE
		...1		XADISPR	COMMAND WAS ISSUED BEFORE RACF WAS ACTIVATED
		.... 1...		XADISPE	COMMAND WAS ISSUED BY ARM
		.... .111		XAARES1	RESERVED

Comment

THE XAAUTH FIELD MUST BE EXACTLY MAPPED BY THE CHAUTH FIELD IN THE CSCB (IEECHAIN) AND THE MGCEAUTH FIELD IN THE MGCRE PARAMETER LIST (IEZMGCRE).

End of Comment

302	(12E)	CHARACTER	2	XAAUTH	COMMAND AUTHORITY LEVEL
302	(12E)	BITSTRING	1	XAAUTHA	BYTE ONE
		1...		XAAUTH1	COMMAND HAS SYS AUTHORITY
		.1..		XAAUTH2	COMMAND HAS I/O AUTHORITY
		..1.		XAAUTH3	COMMAND HAS CONS AUTHORITY
		...1 1111		*	RESERVED
303	(12F)	BITSTRING	1	XAAUTHB	BYTE TWO, RESERVED

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
304	(130)	ADDRESS	4	XACCTXTP	POINTER TO COMMAND TEXT
308	(134)	UNSIGNED	2	XACCLEN	COMMAND TEXT LENGTH
310	(136)	CHARACTER	2	XARESX	RESERVED
312	(138)	ADDRESS	4	XAUDT	POINTER TO UDT
316	(13C)	ADDRESS	4	XALSAV	POINTER TO OLD COMMAND LINE
320	(140)	CHARACTER	8	XACART	COMMAND AND RESPONSE TOKEN
328	(148)	CHARACTER	4	XACCERFL	COMMAND EXIT REQUEST FLAGS
328	(148)	BITSTRING	1	XACCERF1	REQUEST FLAG BYTE ONE
		1...		XACRMI	COMMAND IMAGE WAS CHANGED
		.1..		XACRAUT	COMMAND AUTHORITY LEVEL WAS CHANGED
		..11 1111		*	RESERVED
329	(149)	BITSTRING	1	XACCERF2	REQUEST FLAG BYTE TWO, RESERVED
330	(14A)	BITSTRING	1	XACCERF3	REQUEST FLAG BYTE THREE, RESERVED
331	(14B)	BITSTRING	1	XACCERF4	REQUEST FLAG BYTE FOUR, RESERVED
332	(14C)	CHARACTER	8	XADSYSN	THE ORIGINATING SYSTEM NAME
340	(154)	CHARACTER	8	XASYSNT	TARGET SYSTEM NAME
348	(15C)	CHARACTER	10	XALPARM	L= PARAMETER
358	(166)	CHARACTER	2	XARES1	RESERVED
360	(168)	ADDRESS	4	XAUTOK	POINTER TO UTOKEN
364	(16C)	ADDRESS	4	XARNAME	POINTER TO 39 BYTE STORAGE FOR RNAME
368	(170)	ADDRESS	4	XACMDAUT	POINTER FOR CMDAUTH PARAMETER LIST AND FOR RESOURCE NAME

Comment

THE FOLLOWING FIELD IS TO BE USED BY ALL SVC 34 COMMAND PROCESSORS WHO LOSE ADDRESSABILITY AS A RESULT OF CALLING ANOTHER SVC 34 MODULE. CURRENT USERS ARE AND IEE4003D AND IEE5003D.

End of Comment

372	(174)	ADDRESS	4	XACMDSAV	POINTER TO SAVEAREA

Comment

XACSNM STORES THE COMMAND ASSOCIATION FOR A MCS CONSOLE OR AN EXTENDED MCS CONSOLE. IEE0003D DETERMINES THE VALUE FOR XACSNM. IEE5403D AND IEE1C03D USE THIS VALUE FOR COMMAND ASSOCIATION PROCESSING.

End of Comment

376	(178)	CHARACTER	8	XACSNM	COMMAND ASSOCIATION
384	(180)	ADDRESS	4	XACGFS	POINTER TO CGFS PARMLIST
388	(184)	ADDRESS	4	XACETXTP	POINTER TO ORIGINAL CMD
392	(188)	SIGNED	4	XAWORKY	WORK AREA
396	(18C)	SIGNED	4	XAWORKZ	WORK AREA

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	48	EEXSAS01	
0	(0)	CHARACTER	4	XAH	RECORD HEADER
4	(4)	CHARACTER	8	XAI	MESSAGE ID
12	(C)	CHARACTER	8	XAF	FILL (VARIABLE TEXT)
20	(14)	CHARACTER	24	XAT	PRE-FORMATTED TEXT, DESCRIPTOR CODE, ROUTING CODE
44	(2C)	SIGNED	4	*	RESERVED

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	EEXSAS02	
0	(0)	CHARACTER	1	XADUSWIT	UNIT FIELD SCAN SWITCHES

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		XAXPAREN	EXTERIOR PARENS
		.1..		XAIPAREN	INTERIOR PARENS
		..1.		XARES2	RESERVED
		...1		XAUDVC	NON-CONSOLE DEV
		.... 1...		XARES3	RESERVED
		.... .1..		XAIOCOMP	COMPOSITE CONS
		.... ..1.		XAOUNIT	O-UNIT DEVICE
		1		XAUBLANK	MESSAGE ISSUANCE INDICATOR
1	(1)	CHARACTER	1	XADUD	UD VALUE
		1...		XADUDN	UD VALUE IS N (NO)
		.1..		XADUDY	UD VALUE IS Y (YES)
		..11 1111		*	RESERVED
2	(2)	CHARACTER	2	XACAHOLD	ISSUER CMD AUTH

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	8	EEXSAS03	Y02669 Y02669
0	(0)	ADDRESS	1	XASCID	CONSOLE ID Y02669
1	(1)	CHARACTER	1	XASDID	DISPLAY AREA ID Y02669
2	(2)	CHARACTER	1	XASDS	SDS SWITCHES Y02669
		1...		XASSDS1	THIS COMMAND IS A STATUS DISPLAY Y02669
		.1..		XASSDS2	L OPERAND IS SPECIFIED ON COMMAND Y02669
		..1.		XASSDS3	COMMAND ISSUER IS NOT COMMTASK
		...1		XASSDS4	L OPERAND IS SPECIFIED IN RCT
		.... 1...		XASSDS5	LOCAL AND CMS LOCKS HELD Y02651
		.... .1..		XASSDS6	MSGRT CONTINUATION FLAG
		.... ..1.		XASSDS7	MSG MUST BE ISSUED VIA WTO
		1		XASSDS8	L=CCA MUST BE REMOVED
3	(3)	ADDRESS	1	XASPLS3	RESERVED Y02669
4	(4)	SIGNED	4	*	MESSAGE INFO Y02669
4	(4)	ADDRESS	1	XASTSAVE	ERROR CODE - MINOR Y02669
5	(5)	ADDRESS	3	XASOPTR	POINTER TO INVALID OPERAND Y02669

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	8	EEXSAS04	Y02669 Y02669
0	(0)	CHARACTER	1	XAXRSV1	RESERVED
1	(1)	CHARACTER	1	XAXFREE	RESERVED Y02669
2	(2)	SIGNED	2	XAXUTME	UTME=NNN VALUE Y02669
4	(4)	ADDRESS	4	XAXSACB	FOR TRACK: ADDR OF TRACK CANCEL ECB POINTER IN SACB FOR STOPTR: ADDRESS OF SACB Y02669

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	8	EEXSAS05	
0	(0)	CHARACTER	1	XASOPCOD	OPERAND CODES
		1...		XACON	CONSOLE
		.1..		XAUDSPEC	UD KEYWORD SPECIFIED
		..1.		XAON	ONLINE
		...1		XAOFF	OFFLINE
		.... 1...		XAROUTKW	ROUT KEYWORD SPECIFIED ON VARY COMMAND
		.... .1..		XALTCOM	ALTERNATE CONSOLE IS O-UNIT
		.... ..1.		XACMD	COMD AUTH IS TO BE CHANGED
		1		XALTCON	ALTERNATE CONSOLE IS COMPOSITE
1	(1)	CHARACTER	1	XASWITCH	SYNTAX INDICATORS AND SWITCHES
		1...		XAROUT	ROUTE CODE IS TO BE CHANGED
		.1..		XAHRDCMD	HARDCOPY OF COMMANDS WANTED
		..1.		XALTCHG	ALTERNATE CONSOLE IS CHANGED
		..1.		XAINHDCP	INCMDS

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		XACOMPMS	COMPOSITE MASTER CONSOLE
		...1		XASTHDCP	STCMDS
		.... 1...		XAHRDREQ	HARDCOPY REQUIRED@Z30LPSV
		.... .1..		XASMF42	SMF ROUTER SWITCH IEE4203D
		.... ..1.		XASMF44	SMF ROUTER SWITCH IEE4403D
		1		XACNCNG	CONSOLE STATE CHANGE INDICATOR USED BY IEE4603D
2	(2)	CHARACTER	1	XARESV	EXITS TO AND FROM IEE4803D AND IEE7303D
		1...		XACENDCK	BRNCH TO CENDCHK
		.1..		XACRT2	BRNCH TO CRT2
3	(3)	CHARACTER	1	XALTPTR	ALTERNATE CONSOLE UCMID
4	(4)	CHARACTER	2	XACMDATH	COMMAND AUTH IN COMMAND
6	(6)	CHARACTER	1	XASOPFLG	OPERAND AND THEIR KEYWORD INDICATORS
		1...		XACMDISM	CONSOLE IS PSEUDO MASTER
7	(7)	CHARACTER	1	XARES9	RESERVED

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	2	EEXSAS06	
0	(0)	CHARACTER	1	XAAVRANG	RANGE FLAGS 1
		1...		XAARNG1	VARY RANGE IN PROCESS
		.1..		XAARNG2	VARY ENQ RESOURCE HELD
		..1.		XAARNG3	VARY RANGE TERMINATION EXIT TO BE TAKEN
		...1		XAARNG4	REQUEST TYPE: ON - ONLINE OFF - OFFLINE
		.... 1...		XAARNG5	ALTERNATE PATH FOUND FOR AT LEAST ONE UNIT OR ZERO UCBTYPE FIELD. D U COUNT NOT INCREMENTED.
		.... .1..		XAARNG6	RESERVED
		.... ..1.		XAARNG7	RESERVED
		1		XAARNG8	RESERVED
1	(1)	CHARACTER	1	XAAVRNG2	RANGE FLAGS 2
		1...		XAARNG9	RESERVED
		.1..		XAARNG10	RESERVED
		..1.		XAARNG11	RESERVED
		...1		XAARNG12	RESERVED
		.... 1...		XAARNG13	RESERVED
		.... .1..		XAARNG14	RESERVED
		.... ..1.		XAARNG15	RESERVED
		1		XAARNG16	RESERVED

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	16	EEXSAS07	
0	(0)	ADDRESS	4	XACMDPLA	ADDR OF PARMETER LIST OF THE COMMAND ATTACHED BY IEE8003D
4	(4)	ADDRESS	4	XASAVREG	AREA TO SAVE REG3 FOR IEE8303D
8	(8)	CHARACTER	8	*	RESERVED

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	EEXSAS09	
0	(0)	CHARACTER	1	XADSFLG1	Flags
		1...		XADRLOCL	Input command is a local REPLY
		.111 1111		*	Reserved
1	(1)	UNSIGNED	1	XADRCODE	Return code
2	(2)	CHARACTER	2	XADRESV	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	EEXSAS10	
0	(0)	ADDRESS	4	XADPSUBP	Address of pre-substitution command buffer

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	XADPSUBB	Buffer map for pre- substitution command
0	(0)	SIGNED	2	XADPSUBL	Length of pre-substitution command text
2	(2)	CHARACTER	*	XADPSUBT	Text of pre-substitution command (Maximum 126 characters)

XSA Constants

Len	Type	Value	Name	Description
4	DECIMAL	39	XARNMLEN	LENGTH OF THE STORAGE THAT XARNAME POINTS TO

Comment

VALUES FOR THE VERSION LEVEL(XAVERSN)

End of Comment

1	DECIMAL	1	XASP21	Level HBB2102
1	DECIMAL	2	XASP22	Level JBB2220
1	DECIMAL	3	XASP31	Level HBB3310
1	DECIMAL	4	XASP313	Level JBB3313
1	DECIMAL	5	XASP410	Level HBB4410
1	DECIMAL	6	XASP420	Level HBB4420
1	DECIMAL	6	XAVERID	Current Level
1	DECIMAL	0	XADSUBT	Substitution occurred
1	DECIMAL	4	XADNOSUB	Substitution did not occur

XSA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
EEXSAS01	0		XAAUTH	12E	
EEXSAS02	0		XAAUTHA	12E	
EEXSAS03	0		XAAUTHB	12F	
EEXSAS04	0		XAAUTH1	12E	80
EEXSAS05	0		XAAUTH2	12E	40
EEXSAS06	0		XAAUTH3	12E	20
EEXSAS07	0		XAAVRANG	0	
EEXSAS09	0		XAAVRNG2	1	
EEXSAS10	0		XABEWTO	8B	08
XAA	2A		XABS203D	100	
XAARES1	12D	07	XABS303D	C8	
XAARNG1	0	80	XABS403D	CC	
XAARNG10	1	40	XACAHOLD	2	
XAARNG11	1	20	XACARJ	10D	10
XAARNG12	1	10	XACART	140	
XAARNG13	1	08	XACATP	10D	20
XAARNG14	1	04	XACBID	90	
XAARNG15	1	02	XACCERFL	148	
XAARNG16	1	01	XACCERF1	148	
XAARNG2	0	40	XACCERF2	149	
XAARNG3	0	20	XACCERF3	14A	
XAARNG4	0	10	XACCERF4	14B	
XAARNG5	0	08	XACCLEN	134	
XAARNG6	0	04	XACCTXTP	130	
XAARNG7	0	02	XACENDCK	2	80
XAARNG8	0	01	XACETXTP	184	
XAARNG9	1	80	XACGFS	180	
XAAROUT	E0		XACMD	0	02

Name	Hex Offset	Hex Value
XACMDATH	4	
XACMDAUT	170	
XACMDF	12C	
XACMDF4	12C	04
XACMDF5	12C	02
XACMDF6	12C	01
XACMDISM	6	80
XACMDPLA	0	
XACMDSAV	174	
XACMFLGA	88	
XACMFLGB	8A	
XACMFLGS	88	
XACMFLG1	88	
XACMFLG2	89	
XACMFLG3	8A	
XACMFLG4	8B	
XACMF11	88	80
XACMF12	88	40
XACMF13	88	20
XACMF14	88	10
XACMF15	88	08
XACMF16	88	04
XACMF17	88	02
XACMF18	88	01
XACMF21	89	80
XACMF22	89	40
XACMF23	89	20
XACMF24	89	10
XACMF25	89	08
XACMF26	89	04
XACMF27	89	02
XACMF28	89	01
XACMF31	8A	80
XACMF32	8A	40
XACMF33	8A	20
XACMF34	8A	10
XACMF41	8B	80
XACMF42	8B	40
XACMF43	8B	20
XACMF44	8B	10
XACMNMCS	12C	80
XACNCNG	1	01
XACNSICL	128	
XACNSIDI	128	
XACNSIDT	124	
XACNSIID	129	
XACNSTCL	124	
XACNSTID	125	
XACOFFLN	8A	02
XACOMPMS	1	10
XACON	0	80
XACONSNI	11C	
XACONSNT	114	
XACPLVAL	12C	40
XACRAUT	148	40
XACRESET	8A	08
XACRMI	148	80
XACRT2	2	40
XACSNM	178	
XACSYSMC	8A	01
XACTOKEN	8C	
XACTOKHR	8C	80
XACUIRMG	8A	04
XAD	4	
XADISP	12D	
XADISPA	12D	80
XADISPC	12D	20
XADISPE	12D	08
XADISPM	12D	40
XADISPR	12D	10
XADPSUBB	0	
XADPSUBL	0	
XADPSUBP	0	
XADPSUBT	2	
XADRCODE	1	
XADRESV	2	
XADRLOCL	0	80
XADROUT	F0	
XADSFLG1	0	
XADSYSN	14C	
XADUD	1	
XADUDN	1	80
XADUDY	1	40
XADUSWIT	0	
XAD22R20	10D	08
XAE	10	
XAF	C	
XAFLAGS	10D	
XAGBDATA	12C	20
XAGLUE	10C	
XAH	0	
XAHCONLY	8B	01
XAHRDCMD	1	40
XAHRDREQ	1	08
XAI	4	
XAINHDCP	1	20
XAIOCOMP	0	04
XAIPAREN	0	40
XAK	2C	
XAL	15	
XALPARM	15C	
XALSAV	13C	
XALTCHG	1	20
XALTCOM	0	04
XALTCON	0	01
XALTPTR	3	
XAMSRAS	94	
XAMULTI	10D	80
XAN	14	
XANETMOD	10C	80
XANOBY	8B	02
XAOFF	0	10
XAON	0	20
XAOUNIT	0	02
XAP	0	
XAR	11	
XARES	10E	
XARESV	2	
XARESX	136	
XARES1	166	
XARES2	0	20
XARES3	0	08
XARES9	7	
XARNAME	16C	
XARN003D	C0	
XARN303D	C4	
XARN403D	110	
XAROUT	1	80
XAROUTKW	0	08
XARPLY	12C	10

Name	Hex Offset	Hex Value
XARPLYS	12C	08
XARTCODE	D0	
XAS	20	
XASAVLC1	30	
XASAVLC2	34	
XASAVLC3	38	
XASAVLC4	3C	
XASAVLOX	30	
XASAVREG	4	
XASAVSDA	40	
XASAVSDB	44	
XASAVSDC	48	
XASAVSDD	4C	
XASAVSDE	50	
XASAVSDF	54	
XASAVSDG	58	
XASAVSDH	5C	
XASAVSDI	60	
XASAVSDJ	64	
XASAVSDK	68	
XASAVSDL	6C	
XASAVSDM	70	
XASAVSDN	74	
XASAVSDO	78	
XASAVSDP	7C	
XASAVSDQ	80	
XASAVSDR	84	
XASAVSTR	40	
XASCID	0	
XASDID	1	
XASDS	2	
XASMF42	1	04
XASMF44	1	02
XASOPCOD	0	
XASOPFLG	6	
XASOPTR	5	
XASPLS3	3	
XASSDS1	2	80
XASSDS2	2	40
XASSDS3	2	20
XASSDS4	2	10
XASSDS5	2	08
XASSDS6	2	04
XASSDS7	2	02
XASSDS8	2	01
XASTHDCP	1	10
XASTSAVE	4	
XASUBSTU	8B	04
XASVRB	0	
XASWITCH	1	
XASYSNT	154	
XAT	14	
XATCAM	108	
XATPMOD	10C	40
XATRNSPT	10D	40
XAU	28	
XAUBLANK	0	01
XAUDSPEC	0	40
XAUDT	138	
XAUDVC	0	10
XAUTOK	168	
XAV	18	
XAVERSN	B8	
XAVTAM	104	
XAV1	18	
XAV2	1C	
XAWORK	98	
XAWORKA	98	
XAWORKB	9C	
XAWORKC	A0	
XAWORKD	A4	
XAWORKE	A8	
XAWORKF	AC	
XAWORKG	B0	
XAWORKH	B4	
XAWORKI	B9	
XAWORKJ	BC	
XAWORKY	188	
XAWORKZ	18C	
XAX	8	
XAXFREE	1	
XAXPAREN	0	80
XAXRSV1	0	
XAXSACB	4	
XAXSPLA	CC	
XAXUTME	2	
XSA	0	
XSAMAP	0	

XSB Heading Information

Common Name: EXTENDED STATUS BLOCK
Macro ID: IHAXSB
DSECT Name: XSB
Owning Component: SUPERVISOR CONTROL (SC1C5)
Eye-Catcher ID: XSB
Offset: 0
Length: 4
Storage Attributes: Subpool: 255 (ELSQA) OR 238 (COMMON)
Key: 0
Residency: ABOVE 16 MB LINE
Size: 128 BYTES
Created by: IEAVEXPM
IEAVESVC
IEAVEMIN
IEAMSWCB
IEAVESPM
Pointed to by: IHSAXSB FOR XSB OF IHSA
SSRBXSB FOR XSB OF SSRB
RBXSB FOR XSB OF IRB,PRB,SIRB,SVRB
TCBXSB CURRENT XSB OF TASK
Serialization: XSB OF IHSA - LOCAL LOCK
XSB OF SSRB - N/A
XSB OF IRB,PRB,SIRB,SVRB - TCBACTIV
Function: CONTAINS ADDITIONAL INFORMATION REQUIRED FOR DISPATCH OR REDISPATCH OF WORK UNIT.

XSB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	XSB	
0	(0)	DBL WORD	8	XSBBEGIN (0)	BEGINNING OF XSB.
0	(0)	CHARACTER	4	XSBXSB	XSB ACRONYM.
4	(4)	SIGNED	4	XSBLINK (0)	LINK TO NEXT AVAILABLE XSB IN POOL. SET BY EXIT, IEAVEOR, WHEN PUTTING XSB IN POOL. CLEARED BY STAGE 3, IEAVEEE0, WHEN ASSIGNING XSB TO AN IRB.
4	(4)	SIGNED	4	XSBFLGS	XSB FLAGS.
8	(8)	DBL WORD	8	XSBXMCRS (0)	CROSS MEMORY STATUS CONTROL REGS.
8	(8)	SIGNED	4	XSBXMCR3 (0)	CONTROL REG 3.
8	(8)	SIGNED	2	XSBKM	KEY MASK.
10	(A)	SIGNED	2	XSBSASID	SECONDARY ASID.
12	(C)	SIGNED	4	XSBXMCR4 (0)	CONTROL REG 4.
12	(C)	SIGNED	2	XSBAX	AUTHORIZATION INDEX.
14	(E)	SIGNED	2	XSBPASID	PRIMARY ASID.
16	(10)	DBL WORD	8	XSBCMLE (0)	CML LOCK STATUS ELEMENT.
16	(10)	ADDRESS	4	XSBXLIDR	DATA FOR IDENTIFICATION OF CML REQUESTOR. ASID ASSOCIATED WITH SRB MODE CML LOCK REQUESTOR (IN XSB OF SSRB).
20	(14)	ADDRESS	4	XSBXLAS	ASCB ADDRESS OF CML LOCK REQUESTED/OWNED.
24	(18)	DBL WORD	8	XSBSTKE (0)	CURRENT PCLINK STACK INFORMATION.
24	(18)	SIGNED	2	XSBTKN	CURRENT STACK TOKEN.
26	(1A)	SIGNED	2	XSBASD	CURRENT STACK ADDRESS SPACE DESIGNATOR.
28	(1C)	ADDRESS	4	XSBSEL	CURRENT STACK ELEMENT ADDRESS.

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Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
32	(20)	BITSTRING	4	XSBSRSN	SUSPEND/RESUME SEQUENCE NUMBER OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: TCBACTIV AND DISABLEMENT
36	(24)	SIGNED	4	XSBEAXW (0)	EAX VALUE WORD.
36	(24)	SIGNED	2	XSBEAX	EAX VALUE.
38	(26)	SIGNED	2		LOWER HALF OF FULLWORD USED TO HOLD EAX VALUE - PROVIDED SO THAT STCTL CAN BE USED TO STORE CONTROL REGISTER 8 INTO XSBEAXW. THE CONTENTS OF THIS HALFWORD ARE UNPREDICTABLE.
40	(28)	ADDRESS	4	XSBALOV	DISPATCHABLE UNIT ACCESS LIST VIRTUAL ADDRESS.
44	(2C)	ADDRESS	4	XSBALD	DISPATCHABLE UNIT ACCESS LIST REAL ADDRESS.
48	(30)	BITSTRING	64	XSBARS (0)	ACCESS REGISTER SAVEAREA.
48	(30)	SIGNED	4	XSBAR0	ACCESS REGISTER 0.
52	(34)	SIGNED	4	XSBAR1	ACCESS REGISTER 1.
56	(38)	SIGNED	4	XSBAR2	ACCESS REGISTER 2.
60	(3C)	SIGNED	4	XSBAR3	ACCESS REGISTER 3.
64	(40)	SIGNED	4	XSBAR4	ACCESS REGISTER 4.
68	(44)	SIGNED	4	XSBAR5	ACCESS REGISTER 5.
72	(48)	SIGNED	4	XSBAR6	ACCESS REGISTER 6.
76	(4C)	SIGNED	4	XSBAR7	ACCESS REGISTER 7.
80	(50)	SIGNED	4	XSBAR8	ACCESS REGISTER 8.
84	(54)	SIGNED	4	XSBAR9	ACCESS REGISTER 9.
88	(58)	SIGNED	4	XSBARA	ACCESS REGISTER 10.
92	(5C)	SIGNED	4	XSBARB	ACCESS REGISTER 11.
96	(60)	SIGNED	4	XSBARC	ACCESS REGISTER 12.
100	(64)	SIGNED	4	XSBARD	ACCESS REGISTER 13.
104	(68)	SIGNED	4	XSBARE	ACCESS REGISTER 14.
108	(6C)	SIGNED	4	XSBARF	ACCESS REGISTER 15.
112	(70)	BITSTRING	1	XSBFLAG2	FLAG BYTE.
		1...		XSBLSUSB	"X'80'" LINKAGE STACK UNSTACK SUPPRESSION BIT.
		.1..		XSBLSRST	"X'40'" IF ONE, EXIT & EXIT PROLOG WILL NOT ENFORCE THE LINKAGE STACK CHECKPOINT, JUST RESTORE THE LINKAGE STACK. SET IN THE EXITING RB.
		..1.		XSBLSESB	"X'20'" LINKAGE STACK EXTRACT/MODIFY SUPPRESSION BIT
113	(71)	BITSTRING	3	XSBR071	RESERVED.
116	(74)	ADDRESS	4	XSBLSCP	LINKAGE STACK CHECKPOINT ADDRESS.
120	(78)	ADDRESS	4	XSBSXSB	POINTER TO SXSB.
124	(7C)	BITSTRING	4	XSBR07C	RESERVED.
128	(80)	DBL WORD	8	(0)	
128	(80)	BITSTRING	64	XSBG64H (0)	64-BIT GPR HIGH ORDER HALF SAVEAREA
128	(80)	SIGNED	4	XSBG64H0	64-BIT GPR 0 BITS 0-31
132	(84)	SIGNED	4	XSBG64H1	64-BIT GPR 1 BITS 0-31
136	(88)	SIGNED	4	XSBG64H2	64-BIT GPR 2 BITS 0-31
140	(8C)	SIGNED	4	XSBG64H3	64-BIT GPR 3 BITS 0-31
144	(90)	SIGNED	4	XSBG64H4	64-BIT GPR 4 BITS 0-31
148	(94)	SIGNED	4	XSBG64H5	64-BIT GPR 5 BITS 0-31
152	(98)	SIGNED	4	XSBG64H6	64-BIT GPR 6 BITS 0-31
156	(9C)	SIGNED	4	XSBG64H7	64-BIT GPR 7 BITS 0-31
160	(A0)	SIGNED	4	XSBG64H8	64-BIT GPR 8 BITS 0-31
164	(A4)	SIGNED	4	XSBG64H9	64-BIT GPR 9 BITS 0-31
168	(A8)	SIGNED	4	XSBG64HA	64-BIT GPR 10 BITS 0-31
172	(AC)	SIGNED	4	XSBG64HB	64-BIT GPR 11 BITS 0-31
176	(B0)	SIGNED	4	XSBG64HC	64-BIT GPR 12 BITS 0-31
180	(B4)	SIGNED	4	XSBG64HD	64-BIT GPR 13 BITS 0-31
184	(B8)	SIGNED	4	XSBG64HE	64-BIT GPR 14 BITS 0-31
188	(BC)	SIGNED	4	XSBG64HF	64-BIT GPR 15 BITS 0-31
192	(C0)	BITSTRING	8	XSBRTRNE	VIRTUAL ADDRESS CAUSING TRANSLATION EXCEPTION IF PROGRAM INTERRUPT X'10', X'11', X'39', X'3A'
200	(C8)	DBL WORD	8	XSBEND (0)	END OF XSB.
200	(C8)	X'C8'	0	XSBLEN	"XSBEND-XSBBEGIN" LENGTH OF XSB.
200	(C8)	X'A'	0	XSBPCNT	"10" XSB POOL COUNT.
200	(C8)	X'A'	0	XSBPXCNT	"10" XSB POOL EXTENT COUNT.

XSB Cross Reference

Name	Hex Offset	Hex Value
XSB	0	
XSBALD	2C	
XSBALOV	28	
XSBARA	58	
XSBARB	5C	
XSBARC	60	
XSBARD	64	
XSBARE	68	
XSBARF	6C	
XSBARS	30	
XSBAR0	30	
XSBAR1	34	
XSBAR2	38	
XSBAR3	3C	
XSBAR4	40	
XSBAR5	44	
XSBAR6	48	
XSBAR7	4C	
XSBAR8	50	
XSBAR9	54	
XSBASD	1A	
XSBAX	C	
XSBBEGIN	0	
XSBCMLE	10	
XSBEAX	24	
XSBEAXW	24	
XSBEND	C8	
XSBFLAG2	70	
XSBFLGS	4	
XSBG64H	80	
XSBG64HA	A8	
XSBG64HB	AC	
XSBG64HC	B0	
XSBG64HD	B4	
XSBG64HE	B8	
XSBG64HF	BC	
XSBG64H0	80	
XSBG64H1	84	
XSBG64H2	88	
XSBG64H3	8C	
XSBG64H4	90	
XSBG64H5	94	
XSBG64H6	98	
XSBG64H7	9C	
XSBG64H8	A0	
XSBG64H9	A4	
XSBKM	8	
XSBLEN	C8	C8
XSBLINK	4	
XSBLSCP	74	
XSBLSESB	70	20
XSBLSRST	70	40
XSBLSUSB	70	80
XSBPASID	E	
XSBPCNT	C8	A
XSBPXCNT	C8	A
XSBRTRNE	C0	
XSBR07C	7C	
XSBR071	71	
XSBSASID	A	
XSBSEL	1C	
XSBSRSN	20	
XSBSTKE	18	
XSBSXSB	78	
XSBTKN	18	
XSBXLAS	14	
XSBXLIDR	10	
XSBXMCRS	8	
XSBXMCR3	8	
XSBXMCR4	C	
XSBXSB	0	

XTLST Programming Interface information

Programming Interface information

XTLST

End of Programming Interface information

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XTLST Heading Information

Common Name: Extent List
Macro ID: IHAXTLST
DSECT Name: XTLST
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: none
Storage Attributes: Subpool: 245 (global), 255 (local)
Key: 0
Size: 16 bytes (single extent) + 8 bytes / additional extent
Created by: CSVFORKM (local) - CSV Fork exit processing

CSVLLEXT (SP241 for exit CSVLLIX1) - Library Lookaside Exit Manager

CSVLLTCH (local) - LLA module fetch

CSVVFTCH (in VFWK) - Virtual Fetch

IEAVID00 (local) - IDENTIFY JPA processing

Certain DFSMS services

IEAVID00 (global) - IDENTIFY LPA processing

IEAVNPD5 (global) - Pageable Device support module loader
Pointed to by: CDXLMJP (field in CDE)
Serialization: Local Lock.
Function: The XTLST contains information about the number, size, and location of the extents of a load module or program object.

XTLST Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	XTLST	
0	(0)	SIGNED	4	XTLLNTH	- Number of bytes in extent list (=16)
4	(4)	SIGNED	4	XTLNRFAC	- Number of relocation factors (extents) =1
8	(8)	ADDRESS	4	XTLMSBLA (0)	- Fullword length of main storage block (module extent)
8	(8)	CHARACTER	1		- End of extent list indication (X'80')
9	(9)	ADDRESS	3	XTLMSBLN	- Length of main storage block (extent)
12	(C)	ADDRESS	4	XTLMSBAA (0)	- Fullword address of main storage block
12	(C)	ADDRESS	4	XTLMSBAD	- Address of main storage block

Appendix A. Accessibility

Accessibility features help a user who has a physical disability, such as restricted mobility or limited vision, to use software products successfully. The major accessibility features in z/OS enable users to:

- Use assistive technologies such as screen-readers and screen magnifier software
- Operate specific or equivalent features using only the keyboard
- Customize display attributes such as color, contrast, and font size.

Using assistive technologies

Assistive technology products, such as screen-readers, function with the user interfaces found in z/OS. Consult the assistive technology documentation for specific information when using it to access z/OS interfaces.

Keyboard navigation of the user interface

Users can access z/OS user interfaces using TSO/E or ISPF. Refer to *z/OS TSO/E Primer z/OS TSO/E User's Guide* and *z/OS ISPF User's Guide Volume I* for information about accessing TSO/E and ISPF interfaces. These guides describe how to use TSO/E and ISPF, including the use of keyboard shortcuts or function keys (PF keys). Each guide includes the default settings for the PF keys and explains how to modify their functions.

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This book also documents intended Programming Interfaces that allow the customer to write programs to obtain the services of z/OS.

This information is identified where it occurs, either by an introductory statement to a chapter or section or by the following marking:

Programming Interface information

End of Programming Interface information

Unless otherwise specified, for data areas classified as programming interfaces, the **MACRO ID** and **DSECT NAME(S)** in the header are part of the programming interface. **ALL** other header information is included for diagnostic purposes **ONLY**.

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Since a *data area name* that is designated as part of the programming interface is one of the following:

- MACRO ID
- DSECT NAME
- commonly-used name

before including the *data area name* in a program, refer to the data area header for the applicable **MACRO ID**.

If only certain fields in a data area are intended or not intended for use as a programming interface, the specific field name(s) are differentiated within this book.

For data areas classified as programming interfaces, "RESERVED FOR USER" fields are part of the interface; all other **"RESERVED ..."** fields are **NOT** part of the interface.

For a field that is part of the programming interface, the only information that is part of the interface for writing programs is:

- field name
- data type
- field length
- description (purpose or allowed values)

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- DFSMS/MVS
- DFSMSdfp
- DFSMSdss
- DFSMShsm
- DFSMSrmm
- DFSORT
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- Encina
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- Extended Services
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- Magstar
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