z/OS

MVS Data Areas, Volume 4 (RD - SRRA)

GA22-7584-03

z/OS

MVS Data Areas, Volume 4 (RD - SRRA)

GA22-7584-03

Note

Before using this information and the product it supports, be sure to read the general information under “Notices” on page 425.

Fourth Edition, September 2002

This is a major revision of GA22-7584-02.

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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- Title and order number of this book
- Page number or topic related to your comment

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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 GA22-7584-03
z/OS Version 1 Release 4

The document contains information previously presented in *z/OS MVS Data Areas*, GA22-7584-02, 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 GA22-7584-02
z/OS Version 1 Release 3

The document contains information previously presented in GA22-7584-01, 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 GA22-7584-01
z/OS Version 1 Release
2

The document contains information previously presented in GA22-7584-00, which supports z/OS Version 1 Release 1.

This document contains terminology, maintenance, and editorial changes.

Summary of changes
for GA22-7584-00
z/OS Version 1 Release 1

The document contains information also presented in OS/390 Version 2 Release 10.

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Data Areas Volume 4 (RD - SRRA)

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RD Heading Information

Common Name: VSM REGION DESCRIPTOR
Macro ID: IHARD
DSECT Name: RD
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
Storage Attributes: Subpool: 245 or 255
Key: 0
Residency: Above 16M line
Size: 16 BYTES
Created by: IEAIPL04, IEAVNP08, IGVGCAS
Pointed to by: TCBRD, TCBERD
Serialization: VSMFIX lock for global subpools
LOCAL lock for private area subpools
Function: DESCRIBES THE CSA REGION, SYSTEM REGION, V=V REGION OR V=R REGION SPACE.

RD Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	16	RD	REGION DESCRIPTOR
0	(0)	ADDRESS	4	RDFBQEF	ADDRESS OF FIRST FBQE ON THE REGION'S FBQE QUEUE
4	(4)	ADDRESS	4	RDFBQEL	ADDRESS OF LAST FBQE ON THE REGION'S FBQE QUEUE
8	(8)	ADDRESS	4	RDSTART	LOWEST ADDRESS IN THE REGION
12	(C)	UNSIGNED	4	RDSIZE	SIZE OF THE REGION

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RDCM Heading Information

Common Name: RESIDENT DISPLAY CONTROL MODULE MAPPING MACRO
Macro ID: IEERDCM
DSECT Name: DCMTSRT
Owning Component: COMMUNICATION TASK (SC1B4)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 229
Key: 0
Size: 76 BYTES PLUS 40 BYTES FOR EACH SACB.
36 BYTES FOR THE DCMDTATT
Created by: IEECVFTW (1 PER ACTIVE DISPLAY CONSOLE)
Pointed to by: UCMXB FIELD OF THE UCME DATA AREA
DCMTRDCM FIELD OF THE TDCM DATA AREA
Serialization: LOCAL AND CMS LOCKS
Function: THIS MACRO MAPS THE RESIDENT DISPLAY CONTROL MODULE (RDCM).

RDCM Map

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	DCMTSRT	DCMTSPTR
0	(0)	ADDRESS	4	DCMADTRN	POINTER TO PAGEABLE DCM
4	(4)	ADDRESS	1	DCMRVERN	CONTROL BLOCK VERSION
4	(4)	X'1'	0	DCMRSP21	"1" OS/VS2 HBB2102
4	(4)	X'2'	0	DCMRSP22	"2" OS/VS2 JBB2220
4	(4)	X'3'	0	DCMRSP41	"3" MVS/ESA HBB4410
4	(4)	X'4'	0	DCMRSP42	"4" MVS/ESA HBB4420
4	(4)	X'4'	0	DCMVERSN	"DCMRSP42" CURRENT VERSION LEVEL
5	(5)	BITSTRING	1	DCMRFLGS	FLAGS
		1...		DCMRDFPK	"X'80'" DEFAULT PFKS ARE IN USE
		.1..		DCMPFKWK	"X'40'" PFK'S ARE OPERATIONAL
		...1		DCMDOM	"X'10'" DOM MUST BE TRIED
6	(6)	SIGNED	2		Reserved
8	(8)	ADDRESS	4	DCMADKP	ADDRESS OF ROUTED K COMMAND PARAMETER LIST
12	(C)	CHARACTER	1	DCMTOPAR	TOP DISPLAY AREA DEFINED
13	(D)	CHARACTER	1	DCMTOPDS	TOP DISPLAY ON SCREEN
14	(E)	BITSTRING	1	DCMPREVM	CONSOLE'S PREVIOUS OPERATING MODE AND MAP LIKE UCMDISP1 IN UCME
		.... 1...		DCMPREFC	"X'08'" PREVIOUS MODE WAS FC
		.... .1..		DCMPREMS	"X'04'" PREVIOUS MODE WAS MS
		.... ..1.		DCMPRESD	"X'02'" PREVIOUS MODE WAS SD
15	(F)	BITSTRING	1	DCMDEVTY	DEVICE TYPE FLAGS
		1...		DCMTY60	"X'80'" USABLE FOR SD
		.1..		DCMTY50	"X'40'" NOT USABLE FOR SD
		..1.		DCMBCOLR	"X'20'" USABLE FOR BASE COLOR
		...1		DCMECOLR	"X'10'" USABLE FOR EXTENDED COLOR
		.... 1...		DCMSPRPQ	"X'08'" DEVICE SUPPORTS READ PARTITION QUERY FUNCTION
		.... .1..		DCMEXTDS	"X'04'" DEVICE SUPPORTS EXTENDED DATA STREAM I/O AND 14 BIT ADDRESSES ON OUTBOUND DATA
		1		DCMIMGLT	"X'01'" DEVICE HAS AN IMAGE LIMIT
16	(10)	ADDRESS	4	DCMADSDS	POINTER TO FIRST SDS SUPPORT AREA

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Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
20	(14)	CHARACTER	4	DCMRCBID	CONTROL BLOCK ID - 'RDCM'
24	(18)	ADDRESS	4	DCMWLAST	PT CON Q ENTRY LAST OUT (O-O-L)
28	(1C)	SIGNED	2	DCMRMSAL	NUMBER LINES IN MSG AREA
30	(1E)	SIGNED	2	DCMDOMKY	CONSOLE DOM ELEMENT MC XM5812
32	(20)	SIGNED	4	DCMCBTIM	Time that console went into BUSY and CLOSE PENDING state
36	(24)	ADDRESS	4	DCMADPFK	POINTER TO RESIDENT PFK AREA
40	(28)	SIGNED	2	DCMINTVL	INTERVAL FOR THIS DCM
42	(2A)	SIGNED	2	DCMTMCTR	TIME COUNTER FOR THIS DCM
44	(2C)	BITSTRING	1	DCMR2FLG	TIMER FLAGS
		1...		DCMRXSFL	"X'80'" FULL SCREEN FLAG
		.1..		DCMRXUNV	"X'40'" Unviewable message displayed
		..1.		DCMRXTMR	"X'20'" TIMER FLAG
		...1		DCMRXRLL	"X'10'" READY TO ROLL
		.... 1...		DCMRXDEL	"X'08'" PENDING DELETE REQUEST
		.... ..1.		DCMRXTIM	"X'02'" TIMER ELAPSED FOR THIS DISPLAY
45	(2D)	BITSTRING	1	DCMR3FLG	MISC FLAGS
		.1..		DCMKVIP	"X'40'" ENTRY FOR K VARY COMMAND
		..1.		DCMCLPR	"X'20'" CLOSE IN PROCESS
		...1		DCMRXSCN	"X'10'" ASY ERROR MESSAGE ON SCREEN
		.... .1..		DCMRXHMT	"X'04'" FULL SCREEN SIMULATED MC YM4102
		.... ..1.		DCMOPEN	"X'02'" IF ON, THE CONSOLE IS BEING OPENED AND INITIALIZE SACBS. NOTE. THIS BIT IS SET BY IEECVFTU TO INDICATE THAT CONSOLE IS BEING OPENED AND IEECVFTG USED THE BIT FOR INITIALIZATION OF SACBS
		1		DCMIFVLD	"X'01'" IF ON, RDCM/TDCM INFORMATION ARE VALIDATED
46	(2E)	SIGNED	2	DCMPFKSZ	LENGTH OF PFK BUFFER
48	(30)	ADDRESS	4	DCMRQDEL	DELETE REQUEST BUFFER
52	(34)	ADDRESS	4	DCMRQDEL_PART2	DELETE REQUEST BUFFER
56	(38)	SIGNED	4	DCMMSGSV	LINE COUNT SAVE AREA FOR IEECVFTP
60	(3C)	ADDRESS	4	DCMPFKBF	PFK BUFFER ADDRESS
64	(40)	ADDRESS	4	DCMDTPTR	Pointer to the DISPLAY/TRACK/STOPTR request attributes
68	(44)	SIGNED	4	DCMLEN	Length of TDCM
68	(44)	X'48'	0	DCMSIZE	"*-DCMTSRT" LENGTH OF RDCM

Comment

SCREEN AREA CONTROL BLOCK (SACB)

End of Comment

68	(44)	X'48'	0	DCMACB	"*" SACB
72	(48)	ADDRESS	4	DCMACBNX	POINTER TO NEXT SACB
76	(4C)	CHARACTER	1	DCMAID	AREA ID
77	(4D)	BITSTRING	1	DCMASACB	SACB FLAGS
		1...		DCMAUSE	"X'80'" AREA PRESENTLY DEFINED MB Y02958

Comment

IF DCMAUSE IS OFF, AN AREA HAS BEEN FREED E.G. K A,NONE

End of Comment

		.1..		DCMAGM	"X'40'" GETMAINED SACB
78	(4E)	SIGNED	2	DCMALN	LENGTH OF AREA
80	(50)	SIGNED	1	DCMATOP	TOP ROW OF AREA
80	(50)	X'51'	0	DCMACLR	"*" REINITIALIZED PORTION MB Y02958
81	(51)	SIGNED	1	DCMAROW	ROW TO BE WRITTEN NEXT
82	(52)	SIGNED	2	DCMAFR	FRAME ON SCREEN
84	(54)	ADDRESS	4	DCMAMJWQ	POINTER TO CON Q ENTRY FOR MAJOR
88	(58)	ADDRESS	4	DCMAMIN	POINTER TO MINOR WQE
92	(5C)	SIGNED	4	DCMATIME	TIME CONTROL LINE WAS WRITTEN
96	(60)	SIGNED	1	DCMANLAB	NUMBER OF LABEL LINES FOUND
97	(61)	BITSTRING	1	DCMARES1	RESERVED
98	(62)	BITSTRING	1	DCMAFLG1	AREA FLAGS1
		.1..		DCMADISP	"X'40'" DISPLAY IN AREA

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		..1.		DCMADEND	"X'20'" END OF DISPLAY ON SCREEN
		...1		DCMAFRPR	"X'10'" FRAMING IN PROGRESS
		.... 1...		DCMAFULL	"X'08'" FRAME FULL
		.... .1..		DCMABL	"X'04'" BLANKING TO BE DONE
		.... ..1.		DCMAELLF	"X'02'" EMBEDDED LABEL LINE FOUND
		1		DCMADLF	"X'01'" DATA LINE FOUND WHILE WRITING DISPLAY
99	(63)	BITSTRING	1	DCMAFLG2	AREA FLAGS 2
		1...		DCMALMIN	"X'80'" SAVED POINTER TO LAST MINOR OUTPUT
		.1..		DCMAWCON	"X'40'" WRITE CONTROL LINE
		...1		DCMAMJFR	"X'10'" MAJOR WQE HAS BEEN FOUND
100	(64)	BITSTRING	4	DCMATFLG (0)	FLAGS
100	(64)	BITSTRING	1	DCMADFLG	DYNAMIC DISPLAY FLAGS MB Y02958
		1...		DCMADD	"X'80'" TRACK IN AREA MB Y02958
		.1..		DCMAHOLD	"X'40'" TRACK IN HOLD MODE MB Y02958
101	(65)	BITSTRING	1	DCMRSV06	Reserved
102	(66)	BITSTRING	2	DCMRSV05	RESERVED
104	(68)	SIGNED	4	DCMATECB	TRACK CANCEL ECB ADDRESS MB Y02958
108	(6C)	SIGNED	4	DCMAASCB	TRACK ASCB POINTER
108	(6C)	X'70'	0	DCMACBND	"*" SACB END
108	(6C)	X'1F'	0	DCMCLRLN	"*-DCMACLR" LENGTH FOR REINITIALIZING MB Y02958
112	(70)	CHARACTER	4	DCMACBID	ACRONYM = SACB
116	(74)	CHARACTER	4	DCMRSV03	RESERVED
116	(74)	X'30'	0	DCMACBSZ	"*-DCMACB" SACB SIZE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	DCMDTATT	DISPLAY/TRACK Attribute bits
0	(0)	SIGNED	4	DCMDTAID	Control block ID 'DTAT'
0	(0)	X'E3C1E3'	0	DCMDTNAM	"C'DTAT'" Acronym for DCMDTATT
4	(4)	SIGNED	4	DCMDFLGS (0)	TRACK/DISPLAY flags
4	(4)	BITSTRING	1	DCMDTAT	Indicators for JOBS, TS, or A
		1...		DCMDTJOB	"X'80'" JOBS/ATXs indicator
		.1..		DCMDTTSO	"X'40'" TSO Users indicator
		..1.		DCMDTSAS	"X'20'" System Addr Space (SYSAS) indicator
5	(5)	BITSTRING	1	DCMRSV09	Reserved
6	(6)	BITSTRING	1	DCMDTFM	Format indicator
		1...		DCMDTLST	"X'80'" LIST format
		.1..		DCMDTALL	"X'40'" ALL format
7	(7)	BITSTRING	1	DCMRSV11	Reserved
8	(8)	SIGNED	4	DCMRSV12	Reserved
12	(C)	BITSTRING	8	DCMDRUID	Requesting userid
20	(14)	BITSTRING	8	DCMDNAME	Name parameter
28	(1C)	BITSTRING	8	DCMRSV13	Reserved
36	(24)	CHARACTER	1	DCMREND (0)	END OF DCM

RDCM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DCMAASCB	6C		DCMADLF	62	1
DCMABL	62	4	DCMADPFK	24	
DCMACB	44	48	DCMADSDS	10	
DCMACBID	70		DCMADTRN	0	
DCMACBND	6C	70	DCMAELLF	62	2
DCMACBNX	48		DCMAFLG1	62	
DCMACBSZ	74	30	DCMAFLG2	63	
DCMACLR	50	51	DCMAFR	52	
DCMADD	64	80	DCMAFRPR	62	10
DCMADEND	62	20	DCMAFULL	62	8
DCMADFLG	64		DCMAGM	4D	40
DCMADISP	62	40	DCMAHOLD	64	40
DCMADKP	8		DCMAID	4C	

RDCM Cross Reference

Name	Hex Offset	Hex Value
DCMALMIN	63	80
DCMALN	4E	
DCMAMIN	58	
DCMAMJFR	63	10
DCMAMJWQ	54	
DCMANLAB	60	
DCMARES1	61	
DCMAROW	51	
DCMASACB	4D	
DCMATECB	68	
DCMATFLG	64	
DCMATIME	5C	
DCMATOP	50	
DCMAUSE	4D	80
DCMAWCON	63	40
DCMBCOLR	F	20
DCMCBTIM	20	
DCMCLPR	2D	20
DCMCLRLN	6C	1F
DCMDEVTY	F	
DCMDFLGS	4	
DCMDNAME	14	
DCMDOM	5	10
DCMDOMKY	1E	
DCMDRUID	C	
DCMDTAID	0	
DCMDTALL	6	40
DCMDTAT	4	
DCMDTATT	0	
DCMDTFM	6	
DCMDTJOB	4	80
DCMDTLST	6	80
DCMDTNAM	0	E3C1E3
DCMDTPTR	40	
DCMDTSAS	4	20
DCMDTTSO	4	40
DCMECOLR	F	10
DCMEXTDS	F	4
DCMIFVLD	2D	1
DCMIMGLT	F	1
DCMINTVL	28	
DCMKVIP	2D	40
DCMLEN	44	
DCMMSGSV	38	
DCMOPEN	2D	2
DCMPFKBF	3C	
DCMPFKSZ	2E	
DCMPFKWK	5	40
DCMPREFC	E	8
DCMPREMS	E	4
DCMPRESD	E	2
DCMPREVM	E	
DCMRCBID	14	
DCMRDFPK	5	80
DCMREND	24	
DCMRFLGS	5	
DCMRMSAL	1C	
DCMRQDEL	30	
DCMRQDEL_PART2	34	
DCMRSP21	4	1
DCMRSP22	4	2
DCMRSP41	4	3
DCMRSP42	4	4
DCMRSV03	74	
DCMRSV05	66	
DCMRSV06	65	
DCMRSV09	5	
DCMRSV11	7	
DCMRSV12	8	
DCMRSV13	1C	
DCMRVERN	4	
DCMRXDEL	2C	8
DCMRXHMT	2D	4
DCMRXRLL	2C	10
DCMRXSCN	2D	10
DCMRXSFL	2C	80
DCMRXTIM	2C	2
DCMRXTMR	2C	20
DCMRXUNV	2C	40
DCMR2FLG	2C	
DCMR3FLG	2D	
DCMSIZE	44	48
DCMSPRPQ	F	8
DCMTMCTR	2A	
DCMTOPAR	C	
DCMTOPDS	D	
DCMTSRT	0	
DCMTY50	F	40
DCMTY60	F	80
DCMVERSN	4	4
DCMWLAST	18	

RESPA Programming Interface Information

Programming Interface Information

RESPA

End of Programming Interface Information

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RESPA Heading Information

Common Name: Response Area
Macro ID: IAZRESPA
DSECT Name: IAZRESPA
Owning Component: JES2 (SC141)
Eye-Catcher ID: RESP
Offset: 0
Length: 4

RESPA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	IAZRESPA	
0	(0)	X'0'	0	RESPA	"IAZRESPA" ALTERNATE DSECT NAME
0	(0)	CHARACTER	4	RESPID	RESPONSE AREA ID
4	(4)	SIGNED	4	RESPLEN	LENGTH OF RESPONSE AREA
8	(8)	ADDRESS	1	RESPFL1	FLAG BYTE (DEVICE STATUS)
		1...		RESP1DIN	"B'10000000'" DEVICE IS INACTIVE
8	(8)	X'80'	0	RESPDIN	"RESP1DIN" (ALTERNATE FLAG NAME)
		.1..		RESP1DSP	"B'01000000'" DEVICE IS STOPPED
9	(9)	ADDRESS	1	RESPFL2	FLAG BYTE (PROCESSING STATUS)
		1...		RESP2EOD	"B'10000000'" EOD REACHED ON FWD SYNCH
		.1..		RESP2NDS	"B'01000000'" NO DS AT OOP DETECTED
		..1.		RESP2ETE	"B'00100000'" ENVIRONMENTAL TYPE ERROR - USED ONLY ON START FSA ORDER RESPONSE
10	(A)	ADDRESS	2		RESERVED
12	(C)	SIGNED	4	RESPRETC	RETURN CODE OF REQUESTED FUNCTION - 00 = SUCCESSFUL COMPLETION - >0 = UNSUCCESSFUL COMPLETION
16	(10)	SIGNED	4		RESERVED
20	(14)	SIGNED	2	RESPCPYC	COPY NUMBER OF DATA SET AT OOP
22	(16)	SIGNED	2		RESERVED
24	(18)	SIGNED	4	RESPPGEC	PAGE NUMBER OF DATA SET AT OOP
28	(1C)	SIGNED	4	RESPLREC	LOGICAL REC NUM AT OOP (APPROX)
32	(20)	CHARACTER	12	RESPOOPI	IDENTIFIER OF DATA SET AT OOP
44	(2C)	ADDRESS	4	RESPEXTN	RESERVED POINTER
48	(30)	SIGNED	4	(3)	RESERVED
60	(3C)	SIGNED	4	(0)	BOUNDARY ALIGNMENT
60	(3C)	X'3C'	0	RESPSIZ	"*-RESPA" RESPONSE AREA SIZE

RESPA Cross Reference

Name	Hex Offset	Hex Value
IAZRESPA	0	
RESPA	0	0
RESPCPYC	14	
RESPDIN	8	80
RESPEXTN	2C	
RESPFL1	8	
RESPFL2	9	
RESPID	0	
RESPLEN	4	
RESPLREC	1C	
RESPOOPI	20	
RESPPGEC	18	
RESPRETC	C	
RESPSIZ	3C	3C
RESP1DIN	8	80
RESP1DSP	8	40
RESP2EOD	9	80
RESP2ETE	9	20
RESP2NDS	9	40

RGR Heading Information

Common Name: VSM Region Request Element
Macro ID: IHARGR
DSECT Name: RGR
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
Storage Attributes: Subpool: 245
Key: 0
Residency: Above 16M line
Size: 24 bytes
Created by: IGVGRRGN
Pointed to by: GDARGR, RGRNEXT
Serialization: VSMFIX lock
Function: Describes a request waiting for a V=R region.

RGR Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	24	RGR	REGION REQUEST ELEMENT
0	(0)	CHARACTER	4	RGRID	CONTROL BLOCK IDENTIFIER
4	(4)	ADDRESS	4	RGRNEXT	ADDRESS OF NEXT RGR OR ZERO
8	(8)	ADDRESS	4	RGRASCB	ASCB ADDRESS OF REQUESTING INITIATOR
12	(C)	ADDRESS	4	RGRECB	ECB ADDRESS OF REQUESTING INITIATOR
16	(10)	SIGNED	4	RGRSIZE	SIZE OF REGION REQUESTED
20	(14)	ADDRESS	4	RGRSTART	START ADDRESS OF SPECIFIC REGION REQUESTED OR ZERO

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RIB Programming Interface information

Programming Interface information

RIB

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

- RIBQCB

End of Programming Interface information

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RIB Heading Information

Common Name: RESOURCE INFORMATION BLOCK RESOURCE INFORMATION BLOCK EXTENT
Macro ID: ISGRIB
DSECT Name: RIB RIBE
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: None
Storage Attributes: Subpool: 229 WHILE IN GRS PRIVATE AREA
Key: 0 WHILE IN GRS PRIVATE AREA
Residency: Above 16M while in GRS Private Area
Size: RIB - 40 BYTES FOR THE FIXED SECTION AND
N BYTES FOR THE VARIABLE SECTION
(WHERE N IS A MULTIPLE OF FOUR
IN THE RANGE OF 4 TO 256)
RIBE - 48 BYTES
Created by: THE GLOBAL RESOURCE SERIALIZATION (GRS) QUEUE SCANNING MODULE (ISGQSC) BUILDS THE RIBS AND RIBES IN THE GRS PRIVATE AREA BEFORE MOVING THEM INTO THE AREA PROVIDED BY THE CALLER OF THE GQSCAN MACRO.
Pointed to by: POINTER IS MAINTAINED BY USER
Serialization: NO SERIALIZATION REQUIRED
Function: CONTAINS INFORMATION DESCRIBING A RESOURCE AND ANY REQUESTORS OF THAT RESOURCE. THE RESOURCE INFORMATION BLOCK (RIB) DESCRIBES A GIVEN RESOURCE AND THE RESOURCE INFORMATION BLOCK EXTENT (RIBE) DESCRIBES EACH OWNER OR EACH WAITER FOR THAT RESOURCE. THE VARIABLE SECTION OF THE RIB (RIBVAR) IS LOCATED IMMEDIATELY AFTER THE RIB.

RIB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	RIB	RESOURCE INFORMATION BLOCK - FIXED SECTION
0	(0)	SIGNED	4	(0)	
0	(0)	ADDRESS	4	RIBQCB	ADDRESS OF THE QCB FROM WHICH INFORMATION WAS EXTRACTED TO BUILD THIS RIB
4	(4)	ADDRESS	4	RIBCHAIN	POINTER TO NEXT RIB - USED BY ISGDSORT TO ALPHABETICALLY SORT RIBS BY RESOURCE NAME (QNAME AMD RNAME)
8	(8)	SIGNED	4	RIBNTO	NUMBER OF TASKS OWNING RESOURCE
12	(C)	SIGNED	4	RIBNTWE	NUMBER OF TASKS WAITING FOR EXCLUSIVE CONTROL OF RESOURCE
16	(10)	SIGNED	4	RIBNTWS	NUMBER OF TASKS WAITING FOR SHARED CONTROL OF RESOURCE
20	(14)	SIGNED	4	RIBTRIBE	TOTAL NUMBER OF RESOURCE INFORMATION BLOCK EXTENTS ASSOCIATED WITH THIS RIB
24	(18)	SIGNED	4	RIBNRIBE	NUMBER OF RESOURCE INFORMATION BLOCK EXTENTS RETURNED WITH THIS RIB IN THE USER SPECIFIED AREA
28	(1C)	SIGNED	2	RIBVLEN	LENGTH OF THE VARIABLE SECTION OF THE RIB (MULTIPLE OF FOUR)
30	(1E)	BITSTRING	1	RIBSCOPE	SCOPE OF REQUEST FLAGS
		1...		RIBSYS	"X'80'" SYSTEM SCOPE (1 = SYSTEM, 0 = NONSYSTEM)
		.1..		RIBSYSS	"X'40'" SYSTEMS SCOPE (1 = SYSTEMS, 0 = NONSYSTEMS)
		..1.		RIBSTEP	"X'20'" STEP SCOPE (1 = STEP, 0 = NONSTEP)
		...1		RIBGLBL	"X'10'" GLOBAL RESOURCE INDICATOR (1 = GLOBAL, 0 = LOCAL)

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		.... 1...		RIBBIT1	"X'08'" RESERVED
		.... .1..		RIBBIT2	"X'04'" RESERVED
		.... ..1.		RIBBIT3	"X'02'" RESERVED
		1		RIBBIT4	"X'01'" RESERVED
31	(1F)	BITSTRING	1	RIBRNMLN	RNAME LENGTH
32	(20)	CHARACTER	8	RIBQNAME	QNAME - MAJOR NAME OF RESOURCE
40	(28)	SIGNED	4	RIBEND (0)	END OF RIB FIXED SECTION

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	RIBVAR	RESOURCE INFORMATION BLOCK - VARIABLE SECTION
0	(0)	SIGNED	4	(0)	
0	(0)	BITSTRING	1	RIBRNAME (0)	RNAME - MINOR NAME OF RESOURCE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	RIBE	RESOURCE INFORMATION BLOCK EXTENT
0	(0)	SIGNED	4	(0)	
0	(0)	CHARACTER	8	RIBEJBNM	JOBNAME OF REQUESTOR
8	(8)	CHARACTER	8	RIBESYSN	SYSTEM NAME OF REQUESTOR
16	(10)	ADDRESS	4	RIBETCB	TCB ADDRESS OF REQUESTOR
20	(14)	ADDRESS	4	RIBEECB	ECB ADDRESS WHEN RIBEECBF IS ONE
20	(14)	ADDRESS	4	RIBESVRB	SVRB ADDRESS WHEN RIBEECBF IS ZERO
24	(18)	ADDRESS	4	RIBEUCB	If RIBE is for a RESERVE request from this system, against a 3-digit-device-number device, this field contains the UCB Address, otherwise, it is an arithmetic zero
28	(1C)	SIGNED	2	RIBEASID	ADDRESS SPACE ID OF REQUESTOR
30	(1E)	BITSTRING	1	RIBERFLG	FLAGS PERTAINING TO THE REQUEST
		1...		RIBETYPE	"X'80'" REQUEST TYPE (0 = EXCLUSIVE, 1 = SHARED)
		.1..		RIBEMC	"X'40'" MUST COMPLETE (MC) REQUEST (1 = MC, 0 = NOT MC)
		..1.		RIBERESV	"X'20'" RESERVE REQUEST (1 = RESERVE, 0 = NOT RESERVE)
		...1		RIBERESC	"X'10'" RESERVE REQUEST CONVERTED TO GLOBAL ENQ (1 = CONVERTED, 0 = NOT CONVERTED)
		.... 1...		RIBEAUTH	"X'08'" AUTHORIZED CALLER (1 = AUTHORIZED, 0 = UNAUTHORIZED)
		.... .1..		RIBETCBF	"X'04'" TCB ABENDING FLAG (1 = REQUESTING TASK WAS IN PROCESS OF ABENDING WHEN REQUEST WAS RECEIVED, 0 = NORMAL)
		.... ..1.		RIBESIDV	"X'02'" RIBESAID VALIDITY FLAG (1 = RIBESAID VALID, 0 = RIBESAID NOT VALID).
		1		RIBEMATC	"X'01'" This is a matching task (MASID/MTCB) request. RIBEMASI and RIBEMTCB contain the ASID and TCB of the matching task.
31	(1F)	BITSTRING	1	RIBELFLG	FLAGS PERTAINING TO A LIST REQUEST
		1...		RIBEPOST	"X'80'" THE ECB OR RB HAS BEEN POSTED (1 = POSTED, 0 = NOT POSTED)
		.1..		RIBEECBF	"X'40'" ECB REQUEST (1 = ECB, 0 = NOT ECB)
		..1.		RIBELRS1	"X'20'" RESERVED
		...1		RIBELRS2	"X'10'" RESERVED
		.... 1...		RIBELRS3	"X'08'" RESERVED
		.... .1..		RIBELRS4	"X'04'" RESERVED
		.... ..1.		RIBELRS5	"X'02'" RESERVED
		1		RIBELRS6	"X'01'" RESERVED
32	(20)	BITSTRING	1	RIBESFLG	STATUS FLAGS
		1...		RIBESTAT	"X'80'" REQUEST STATUS (0 = WAITING FOR RESOURCE, 1 = OWNS RESOURCE)

RIB Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		.1..		RIBEMATO	"X'40'" Matching task use indicator (0 = Requestor is not using the resource as the result of a MASID/MTCB request 1 = Requestor is using the resource as the result of a MASID/MTCB request)
		..1.		RIBESRS2	"X'20'" RESERVED
		...1		RIBESRS3	"X'10'" RESERVED
		.... 1...		RIBESRS4	"X'08'" RESERVED
		.... .1..		RIBESRS5	"X'04'" RESERVED
		.... ..1.		RIBESRS6	"X'02'" RESERVED
		1		RIBESRS7	"X'01'" RESERVED
33	(21)	CHARACTER	1	RIBERS01	RESERVED
34	(22)	SIGNED	2	RIBESAID	ASID of task for which a service PROVIDER performed this ENQ/RESERVE request. If RIBESIDV is set, RIBEASID is the ASID of the service PROVIDER and RIBESAID is the ASID of the service REQUESTOR. If RIBESAID is zero, the service REQUESTOR'S ASID is not available.
36	(24)	CHARACTER	4	RIBEDEVN	If RIBE is for a RESERVE request from this system, this field contains the EBCDIC device number of the device that was the target of the RESERVE, otherwise it is an arithmetic zero
40	(28)	ADDRESS	4	RIBEMTCB	Matching task TCB value (MTCB) specified by the requestor. Valid only when RIBEMATC is set.
44	(2C)	SIGNED	2	RIBEMASI	Matching task TCB value (MASID) specified by the requestor. Valid only when RIBEMATC is set.
46	(2E)	SIGNED	2	RIBERSVD	Reserved
48	(30)	SIGNED	4	RIBEEND (0)	END OF RIBE

RIB Cross Reference

Name	Hex Offset	Hex Value
RIB	0	
RIBBIT1	1E	8
RIBBIT2	1E	4
RIBBIT3	1E	2
RIBBIT4	1E	1
RIBCHAIN	4	
RIBE	0	
RIBEASID	1C	
RIBEAUTH	1E	8
RIBEDEVN	24	
RIBEECB	14	
RIBEECBF	1F	40
RIBEEND	30	
RIBEJBNM	0	
RIBELFLG	1F	
RIBELRS1	1F	20
RIBELRS2	1F	10
RIBELRS3	1F	8
RIBELRS4	1F	4
RIBELRS5	1F	2
RIBELRS6	1F	1
RIBEMASI	2C	
RIBEMATC	1E	1
RIBEMATO	20	40
RIBEMC	1E	40
RIBEMTCB	28	
RIBEND	28	
RIBEPOST	1F	80
RIBERESC	1E	10
RIBERESV	1E	20
RIBERFLG	1E	
RIBERSVD	2E	
RIBERS01	21	
RIBESAID	22	
RIBESFLG	20	
RIBESIDV	1E	2
RIBESRS2	20	20
RIBESRS3	20	10
RIBESRS4	20	8
RIBESRS5	20	4
RIBESRS6	20	2
RIBESRS7	20	1
RIBESTAT	20	80
RIBESVRB	14	
RIBESYSN	8	
RIBETCB	10	
RIBETCBF	1E	4
RIBETYPE	1E	80
RIBEUCB	18	
RIBGLBL	1E	10
RIBNRIBE	18	
RIBNTO	8	
RIBNTWE	C	
RIBNTWS	10	
RIBQCB	0	
RIBQNAME	20	
RIBRNAME	0	
RIBRNMLN	1F	
RIBSCOPE	1E	
RIBSTEP	1E	20
RIBSYS	1E	80
RIBSYSS	1E	40
RIBTRIBE	14	
RIBVAR	0	
RIBVLEN	1C	

RIT Heading Information

Common Name: RSM Internal Table
Macro ID: IARRIT
DSECT Name: RIT
Owning Component: Real Storage Manager (SC1CR)
Eye-Catcher ID: RIT
Offset: 0
Length: 4
Storage Attributes: Virtual Storage: Yes
Subpool: Extended Nucleus
Key: 0
Data Space: No
Residency: Above 16 megabytes virtual
Size: 1380 bytes
Created by: IARMR
Pointed to by: PVTRIT field of the PVT data area
Serialization: Field dependent
Function: Information used internally by RSM

RIT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	1624	RIT	
0	(0)	CHARACTER	4	RITID	RIT CONTROL BLOCK ID
4	(4)	BITSTRING	1	RITFLGS1	FLAG BYTE 1
		1...		RITDODMP	SDUMP SHOULD BE TAKEN REGARDLESS OF THE CURRENT RSM ENVIRONMENT. THIS BIT CAN ONLY BE SET ON MANUALLY. IF SO SET, IT MAY CAUSE RSM QUEUES TO BE DESTROYED.
		.1..		RITSRMNT	SRM HAS BEEN NOTIFIED OF AN AVQLOW SITUATION
		..1.		RITNZDC	TOTAL OF RSFQ DEFICIT COUNTS IS NON-ZERO
		...1		RITSPA	IF ON, ASYNCHRONOUS PAGING FACILITY, (AKA SPA) IS INSTALLED ON ALL PROCESSORS.
		.... 1...		RITDMPOK	SDUMP MAY BE TAKEN EVEN WHEN THE RSM LOCK IS HELD EXCLUSIVELY
		.... .1..		RITRSUPR	THE RSU PARAMETER HAS BEEN PROCESSED
		.... ..1.		RITTRACE	RSM TRACING IS ACTIVE
		1		RITMASX	MULTIPLE ADDRESS SPACE EXTENSIONS ARE INSTALLED ON ALL PROCESSORS
5	(5)	BITSTRING	1	RITFLGS2	FLAG BYTE 2
		1...		RITDPQNQ	A PCB THAT GENERAL DEFER NEEDS TO PROCESS HAS BEEN ENQUEUED TO THE DPQ SINCE THE LAST CHECK
		.1..		RITDEFXX	THE DPQ NEEDS AN ANYTYPE/ANYWHERE FRAME.
		..1.		RITDEFPX	THE DPQ NEEDS A PREFERRED/ANYWHERE FRAME.
		...1		RITDEFXB	THE DPQ NEEDS AN ANYTYPE/BELOW FRAME.
		.... 1...		RITDEFPB	THE DPQ NEEDS A PREFERRED/BELOW FRAME.
		.... .1..		RITCSP	THE CSP INSTRUCTION IS INSTALLED
		11		RITTRSCP	SCOPE OF CURRENT TRACE INVOCATION
		.... ..1.		RITTRCOL	TRACE DATA IS TO BE COLLECTED
		1		RITTRJMP	JUMP TRACING FOR EVENTS IS ACTIVE
6	(6)	BITSTRING	1	*	RESERVED
		1...		RITIAVQL	IGNORE AVQLOW DEFERS
		.1..		RITDEFXA	The DPQ needs an above frame
		..1.		RITDEFPA	The DPQ needs a pref above frame
		...1 1111		*	RESERVED
7	(7)	CHARACTER	1	*	RESERVED
8	(8)	UNSIGNED	4	RITCSWRD	FIELDS SERIALIZED BY C/S

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	BITSTRING	1	RITFLGS3	FLAG BYTE 3
		1...		RITDBSCH	DOUBLE FRAME STEAL ROUTINE HAS BEEN SCHEDULED
		.1..		RITGDSCH	GENERAL DEFER PROCESSOR HAS BEEN SCHEDULED
		..1.		RITQDSCH	QUAD FRAME STEAL ROUTINE HAS BEEN SCHEDULED
		...1		RITFFDIE	THE FREE FRAME SRB ROUTINE HAS BEEN DEFERRED SCHEDULED VIA SETDIE
		.... 1...		RITFFSCH	THE FREE FRAME SRB ROUTINE HAS BEEN SCHEDULED
		.... .1..		RITFFINT	A FRAME HAS BEEN NEWLY INTERCEPTED
		.... ..1.		RITMGSCH	THE MIGRATION SRB ROUTINE HAS BEEN SCHEDULED
		1		RITMGPND	MIGRATION SHOULD EXECUTE AGAIN BEFORE EXITING
9	(9)	BITSTRING	1	RITFLGS4	FLAG BYTE 4
		1...		RITCNSTR	MIGRATION MUST ISSUE THE MIGRATION RELIEF SYSEVENT
		.1..		RITRBSCH	The available frame count SRB routine has been scheduled
		..11 1111		*	RESERVED FOR C/S BITS
10	(A)	CHARACTER	2	*	RESERVED C/S FIELDS
12	(C)	SIGNED	2	RITC0DCT	REMAINING NUMBER OF TIMES THAT A C0D ERROR OF THE TYPE FLAGGED IN RITC0DFL WILL BE LOGGED
14	(E)	BITSTRING	1	RITC0DFL	ERROR FLAGS
		1...		RITBADAS	AN INVALID ASID WAS FOUND IN A PFTE ASID FIELD
		.1..		RITBADTR	A BAD TRACE RECORD WAS GENERATED
		..11 1111		*	RESERVED
15	(F)	CHARACTER	1	*	RESERVED
16	(10)	UNSIGNED	1	RITDEFDF	DEFAULT NUMBER OF DOUBLE FRAME PAIRS TO BE OBTAINED BY DOUBLE FRAME STEAL
17	(11)	UNSIGNED	1	RITDFAIL	COUNT OF CONSECUTIVE CALLS TO IARUDFRM WHICH HAVE RESULTED IN NO FRAMES
18	(12)	UNSIGNED	1	RITPADC	DEFICIT COUNT. NUMBER OF PREFERRED ABOVE FRAMES NEEDED FOR THE RSFQ.
19	(13)	UNSIGNED	1	RITPBDC	DEFICIT COUNT. NUMBER OF PREFERRED BELOW FRAMES NEEDED FOR THE RSFQ.
20	(14)	UNSIGNED	4	RITGLLK	LOCK WORD
24	(18)	ADDRESS	4	RITCRAB	ADDRESS OF THE COMMON RAB
28	(1C)	ADDRESS	4	RITRABQF	ADDRESS OF FIRST RAB ON THE RABQ
32	(20)	ADDRESS	4	RITRABQL	ADDRESS OF LAST RAB ON THE RABQ
36	(24)	ADDRESS	4	RITPAFQF	ADDRESS OF FIRST PFTE ON PREFERRED ABOVE AFQ
40	(28)	ADDRESS	4	RITPAFQL	ADDRESS OF LAST PFTE ON PREFERRED ABOVE AFQ
44	(2C)	ADDRESS	4	RITNAFQF	ADDRESS OF FIRST PFTE ON NON PREFERRED ABOVE AFQ
48	(30)	ADDRESS	4	RITNAFQL	ADDRESS OF LAST PFTE ON NON PREFERRED ABOVE AFQ
52	(34)	ADDRESS	4	RITPBFQF	ADDRESS OF FIRST PFTE ON PREFERRED BELOW AFQ
56	(38)	ADDRESS	4	RITPBFQL	ADDRESS OF LAST PFTE ON PREFERRED BELOW AFQ
60	(3C)	ADDRESS	4	RITNBFQF	ADDRESS OF FIRST PFTE ON NON PREFERRED BELOW AFQ
64	(40)	ADDRESS	4	RITNBFQL	ADDRESS OF LAST PFTE ON NON PREFERRED BELOW AFQ
68	(44)	ADDRESS	4	RITTDFQF	ADDRESS OF FIRST PFTE ON TOP DOUBLE FRAME QUEUE
72	(48)	ADDRESS	4	RITTDFQL	ADDRESS OF LAST PFTE ON TOP DOUBLE FRAME QUEUE
76	(4C)	ADDRESS	4	RITBDFQF	ADDRESS OF FIRST PFTE ON BOTTOM DOUBLE FRAME QUEUE
80	(50)	ADDRESS	4	RITBDFQL	ADDRESS OF LAST PFTE ON BOTTOM DOUBLE FRAME QUEUE
84	(54)	ADDRESS	4	RITSFQF	ADDRESS OF FIRST PFTE ON SQA FRAME QUEUE
88	(58)	ADDRESS	4	RITSFQL	ADDRESS OF LAST PFTE ON SQA FRAME QUEUE
92	(5C)	ADDRESS	4	RITRSFQF	ADDRESS OF FIRST PFTE ON RESERVE SQA FRAME QUEUE
96	(60)	ADDRESS	4	RITRSFQL	ADDRESS OF LAST PFTE ON RESERVE SQA FRAME QUEUE
100	(64)	ADDRESS	4	RITSBFQF	ADDRESS OF FIRST PFTE ON STORAGE BUFFER FRAME QUEUE
104	(68)	ADDRESS	4	RITSBFQL	ADDRESS OF LAST PFTE ON STORAGE BUFFER FRAME QUEUE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
108	(6C)	ADDRESS	4	RITVRFQF	ADDRESS OF FIRST PFTE ON V=R WAITING FRAME QUEUE
112	(70)	ADDRESS	4	RITVRFQL	ADDRESS OF LAST PFTE ON V=R WAITING FRAME QUEUE
116	(74)	ADDRESS	4	*	RESERVED
120	(78)	ADDRESS	4	*	RESERVED
124	(7C)	ADDRESS	4	RITRPLQF	ADDRESS OF THE FIRST RPB POOL ON THE RPB POOL QUEUE
128	(80)	ADDRESS	4	RITRPLQL	ADDRESS OF THE LAST RPB POOL ON THE RPB POOL QUEUE
132	(84)	ADDRESS	4	RITFRQF	ADDRESS OF FIRST RPB ON THE FREE RPB QUEUE
136	(88)	ADDRESS	4	RITFRQL	ADDRESS OF LAST RPB ON THE FREE RPB QUEUE
140	(8C)	ADDRESS	4	RITDPQF	ADDRESS OF FIRST PCB ON THE DEFER PCB QUEUE
144	(90)	ADDRESS	4	RITDPQL	ADDRESS OF LAST PCB ON THE DEFER PCB QUEUE
148	(94)	ADDRESS	4	RITASPQF	ADDRESS OF FIRST PCB ON THE ADDR SP CREATE PCB QUEUE
152	(98)	ADDRESS	4	RITASPQL	ADDRESS OF LAST PCB ON THE ADDR SP CREATE PCB QUEUE
156	(9C)	ADDRESS	4	RITPFTAC	ABOVE FRAME CURSOR
160	(A0)	ADDRESS	4	*	RESERVED
164	(A4)	ADDRESS	4	RITVRCQF	ADDRESS OF FIRST FCB ON THE V=R CONTROL QUEUE
168	(A8)	ADDRESS	4	RITVRCQL	ADDRESS OF LAST FCB ON THE V=R CONTROL QUEUE
172	(AC)	ADDRESS	4	RITASCQF	ADDRESS OF FIRST FCB ON THE ADDR SP CREATE CNTL QUEUE
176	(B0)	ADDRESS	4	RITASCQL	ADDRESS OF LAST FCB ON THE ADDR SP CREATE CNTL QUEUE
180	(B4)	ADDRESS	4	RITDFCQF	ADDRESS OF FIRST FCB ON THE DOUBLE FRAME CNTL QUEUE
184	(B8)	ADDRESS	4	RITDFCQL	ADDRESS OF LAST FCB ON THE DOUBLE FRAME CNTL QUEUE
188	(BC)	ADDRESS	4	RITVFCB	ADDRESS OF VARY FCB
192	(C0)	ADDRESS	4	*	RESERVED
196	(C4)	ADDRESS	4	*	RESERVED
200	(C8)	ADDRESS	4	*	RESERVED
204	(CC)	ADDRESS	4	RITFCFEQ	ADDRESS OF THE FIRST CFE ON FREE CFE QUEUE
208	(D0)	ADDRESS	4	RITPFT	ADDRESS OF THE PFT
208	(D0)	ADDRESS	4	RITFPFTE	ADDRESS OF THE FIRST PFTE IN THE PAGE FRAME TABLE
212	(D4)	ADDRESS	4	RITLPFTE	ADDRESS OF THE LAST PFTE IN THE PAGE FRAME TABLE
216	(D8)	ADDRESS	4	RITFVR	ADDRESS OF FIRST V=R CANDIDATE PFTE
220	(DC)	ADDRESS	4	RITLVR	ADDRESS OF LAST V=R CANDIDATE PFTE
224	(E0)	ADDRESS	4	RITNPFTE	PFTE WITH THE HIGHEST ADDRESS WHICH MAY BE NON-PERMANENTLY RESIDENT
228	(E4)	ADDRESS	4	RITFPRV	ADDRESS OF FIRST (LOWEST VSA) PRIVATE AREA PAGE POSSIBLE
232	(E8)	ADDRESS	4	RITFCSA	ADDRESS OF FIRST (LOWEST VSA) CSA PAGE POSSIBLE
236	(EC)	ADDRESS	4	RITLCSA	ADDRESS OF FIRST PAGE AFTER LAST CSA PAGE
240	(F0)	ADDRESS	4	RITFQSA	ADDRESS OF FIRST (LOWEST VSA) PLPA/PLPA DIRECTORY PAGE
244	(F4)	ADDRESS	4	RITLQSA	ADDRESS OF FIRST PAGE AFTER LAST PLPA/PLPA DIR. PAGE
248	(F8)	ADDRESS	4	RITFQSAX	ADDRESS OF FIRST (LOWEST VSA) EXTENDED PLPA/PLPA DIRECTORY PAGE
252	(FC)	ADDRESS	4	RITLQSAX	ADDRESS OF FIRST PAGE AFTER LAST EXTENDED PLPA/PLPA DIRECTORY PAGE
256	(100)	ADDRESS	4	RITFCSAX	ADDRESS OF FIRST (LOWEST VSA) EXTENDED CSA PAGE
260	(104)	ADDRESS	4	RITFPRVX	ADDRESS OF FIRST (LOWEST VSA) EXTENDED PRIVATE AREA PAGE
264	(108)	ADDRESS	4	RITCPGT	APPARENT ORIGIN OF THE COMMON AREA PAGE TABLES
268	(10C)	UNSIGNED	4	RITREALSPACEALET	Real Space Alet
272	(110)	UNSIGNED	4	RITAI	Number of bytes in an address increment (in ESA mode)
276	(114)	SIGNED	2	*	Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
278	(116)	SIGNED	2	RITSKIP	SKIP FACTOR (HARDWARE STORAGE INTERLEAVE FACTOR). THIS IS EQUAL TO THE NUMBER OF BANDS IN AN AI. THE DEFAULT NUMBER OF BANDS IN AN AI IS ONE.
280	(118)	ADDRESS	4	RITAIM	ADDRESS OF THE AIM
280	(118)	ADDRESS	4	RITFAIME	ADDRESS OF FIRST AIME
284	(11C)	ADDRESS	4	RITLAIME	ADDRESS OF LAST AIME
288	(120)	ADDRESS	4	RITDSTBK	ADDRESS OF THE SDUMP FRAME STEAL BACK EXIT
292	(124)	SIGNED	4	RITSWPSZ	NUMBER OF SLOTS IN AN ASM SWAP SET
296	(128)	SIGNED	2	RITREALP	REAL PARM VALUE INITIALLY SPECIFIED - MEANINGFUL ONLY DURING NIP PROCESSING.
298	(12A)	BITSTRING	1	RITFLGS5	FLAG BYTE 5
		1...		RITINSTL	A FEATURE IS INSTALLED ON THIS MACHINE TO PROVIDE RECOVERY OF HARD KEY ERRORS BY MACHINE CHECK
		.111 1111		*	RESERVED
299	(12B)	BITSTRING	1	RITFLGS6	FLAG BYTE 6
299	(12B)	BITSTRING	1	*	RESERVED
300	(12C)	ADDRESS	4	RITPFTEC	CURSOR FOR GETFRAME
304	(130)	ADDRESS	4	RITFCAQF	ADDRESS OF FIRST ASTE ON THE FREE COMMON ASTE QUE
308	(134)	ADDRESS	4	RITFCAQL	ADDRESS OF LAST ASTE ON THE FREE COMMON ASTE QUE
312	(138)	UNSIGNED	4	RITSHRHC	COUNT OF SHARED SCROLL HIPERSPACE CREATED DURING LIFE OF IPL
316	(13C)	UNSIGNED	4	RITPDIPC	RPB POOL DELETION IN PROGRESS COUNT
320	(140)	SIGNED	4	*	RESERVED
324	(144)	ADDRESS	4	RITGDFQF	General Defer Frame Queue
328	(148)	ADDRESS	4	RITGDFQL	General Defer Frame Queue
332	(14C)	ADDRESS	4	RITQDPREFSTEALCURSOR	PFTE Cursor of Last Pref storage stolen for use as Quad Frames
336	(150)	ADDRESS	4	RITQDSTEALCURSOR	PFTE Cursor of Last storage stolen for use as Quad Frames
340	(154)	UNSIGNED	4	RITQDPREFSTEALCOUNT	Count the number of times a quad group was created from Pref frames
344	(158)	CHARACTER	152	*	RESERVED
496	(1F0)	SIGNED	4	RITSPLN	LENGTH OF STACK TO START OF THE SPECIAL STACK SECTION
500	(1F4)	SIGNED	4	RITRCLN	LENGTH OF STACK TO THE START OF RECOVERY STACK SECTION
504	(1F8)	SIGNED	4	RITRSLN	LENGTH OF STACK TO THE START OF THE REAL STG BUF STACK SECTION
508	(1FC)	SIGNED	4	RITRRLN	LENGTH OF STACK TO THE START OF THE REAL STORAGE BUFER RECOVERY STACK SECTION
512	(200)	SIGNED	4	RITMCLN	LENGTH OF STACK TO THE START OF THE MACHINE CHECK STACK SECTION
516	(204)	SIGNED	4	RITSSLN	LENGTH OF STACK TO THE START OF THE SPECIAL SRM STACK SECTION
520	(208)	CHARACTER	44	RITSRBDB	SRB TO SCHEDULE THE DOUBLE FRAME STEAL ROUTINE
520	(208)	UNSIGNED	4	* (11)	
564	(234)	CHARACTER	44	RITSRBGD	SRB TO SCHEDULE THE GENERAL DEFER FRAME PROCESSOR
564	(234)	UNSIGNED	4	* (11)	
608	(260)	CHARACTER	44	*	RESERVED
652	(28C)	CHARACTER	44	RITSRBFF	SRB TO SCHEDULE THE FREE FRAME SRB ROUTINE
652	(28C)	UNSIGNED	4	* (11)	
696	(2B8)	CHARACTER	128	RITTQEFF	FREE FRAME SRB ROUTINE TQE
696	(2B8)	UNSIGNED	4	* (32)	
824	(338)	CHARACTER	44	RITSRBMG	SRB TO SCHEDULE THE EXTENDED STORAGE MIGRATION SRB ROUTINE (ESA Only, nOt used for ESAME)
824	(338)	UNSIGNED	4	* (11)	
868	(364)	ADDRESS	4	RITAEQF	ADDRESS OF FIRST ESTE ON THE AVAILABLE EXTENDED STORAGE ESTE QUEUE (AEQ) (ESA Only, nOt used for ESAME)

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
872	(368)	ADDRESS	4	RITAEQL	ADDRESS OF LAST ESTE ON THE AVAILABLE EXTENDED STORAGE ESTE QUEUE (AEQ) (ESA Only, nOt used for ESAME)
876	(36C)	ADDRESS	4	RITEST	ADDRESS OF THE EST (ESA Only, nOt used for ESAME)
876	(36C)	ADDRESS	4	RITFESTE	ADDRESS OF THE FIRST ESTE IN THE EXTENDED STORAGE TABLE (EST) (ESA Only, nOt used for ESAME)
880	(370)	ADDRESS	4	RITLESTE	ADDRESS OF THE LAST ESTE IN THE EXTENDED STORAGE TABLE (EST) (ESA Only, nOt used for ESAME)
884	(374)	ADDRESS	4	RITEIM	ADDRESS OF EXTENDED STORAGE INCREMENT MAP (EIM) (ESA Only, nOt used for ESAME)
884	(374)	ADDRESS	4	RITFEIME	ADDRESS OF THE FIRST EIME (ESA Only, nOt used for ESAME)
888	(378)	ADDRESS	4	RITLEIME	ADDRESS OF THE LAST EIME (ESA Only, nOt used for ESAME)
892	(37C)	SIGNED	4	RITESI	NUMBER OF EXTENDED STORAGE E-FRAMES IS AN INCREMENT (ESA Only, nOt used for ESAME)
896	(380)	ADDRESS	4	RITESFCB	ADDRESS OF THE EXTENDED STORAGE RECONFIGURATION FCB (ESA Only, nOt used for ESAME)
900	(384)	ADDRESS	4	RITVFEQF	ADDRESS OF THE FIRST ESTE ON THE VIRTUAL FETCH DATA SET ESTE QUEUE (ESA Only, nOt used for ESAME)
904	(388)	ADDRESS	4	RITVFEQL	ADDRESS OF THE LAST ESTE ON THE VIRTUAL FETCH DATA SET ESTE QUEUE (ESA Only, nOt used for ESAME)
908	(38C)	ADDRESS	4	RITVFL	ADDRESS OF THE VIRTUAL FETCH LIST (ESA Only, nOt used for ESAME)
912	(390)	CHARACTER	4	RITMPEID	MPE POOL ID
916	(394)	ADDRESS	4	RITRCMLO	FIRST ESTE (LOWEST VSA) IN THE RANGE OF ESTES TO BE CONFIGURED OFFLINE (ESA Only, nOt used for ESAME)
920	(398)	ADDRESS	4	RITRCMHI	LAST ESTE (HIGHEST VSA) IN THE RANGE OF ESTES TO BE CONFIGURED OFFLINE (ESA Only, nOt used for ESAME)
924	(39C)	SIGNED	4	RITBURST	PREFERRED NUMBER OF AIAS TO BE SENT TO ASM BY MIGRATION AT ANY ONE TIME.
928	(3A0)	ADDRESS	4	RITCURSR	MIGRATION CURSOR. POINTS TO THE MOST RECENT ESTE VISITED. (ESA Only, nOt used for ESAME)
932	(3A4)	SIGNED	4	RITTOTLN	TOTAL LENGTH OF THE RSM STACK (IN BYTES)
936	(3A8)	SIGNED	4	RITDFLN	LENGTH OF STACK TO THE START OF THE DISABLED FAULT STACK SECTION
940	(3AC)	SIGNED	4	RITDRLN	LENGTH OF STACK TO START OF DISABLED FAULT RECOVERY STACK SECTION
944	(3B0)	SIGNED	4	RITCNLN	LENGTH OF STACK TO THE START OF THE DATA SPACE CONVERT STACK SECTION
948	(3B4)	SIGNED	4	RITNMLN	LENGTH OF STACK TO THE START OF THE NORMAL STACK SECTION
952	(3B8)	ADDRESS	4	RITRRAB	ADDRESS OF RASP RAB
956	(3BC)	ADDRESS	4	RITRLA	ADDRESS OF THE RLA
960	(3C0)	ADDRESS	4	RITRDH	ADDRESS OF THE RDH
964	(3C4)	UNSIGNED	4	RITDBLDF	SYSTEM DEFAULT FOR DEFAULT NUMBER OF BLOCKS ON DSPSERV CREATE.
968	(3C8)	UNSIGNED	4	RITDMXEX	SYSTEM DEFAULT FOR MAXIMUM NO. OF USER KEY DATA SPACES FOR AN ADDRESS SPACE.
972	(3CC)	UNSIGNED	4	RITDMXSZ	SYSTEM DEFAULT FOR MAXIMUM NO. OF MEGABYTES OF USER KEY DATA SPACES FOR AN ADDRESS SPACE.
976	(3D0)	SIGNED	4	RITDSPOR	VIRTUAL STOARGE ORIGIN FOR ALL USER DATA SPACES
980	(3D4)	BITSTRING	4	RITDMPFL	DUMP CONTROL FLAGS
		1...		RITTOEFR	DUMP ALL PFTES FOR THE ADDR SP AT TIME-OF-ERROR
		.1..		RITTOEES	DUMP ALL ESTES FOR THE ADDR SP AT TIME-OF-ERROR (ESA Only, nOt used for ESAME)
		..1.		RITSERFR	DUMP ALL PFTES SERIALIZED AT TIME-OF-ERROR
		...1		RITSERES	DUMP ALL ESTES SERIALIZED AT TIME-OF-ERROR
980	(3D4)	BITSTRING	3	*	RESERVED
984	(3D8)	ADDRESS	4	RITTRCB	ADDRESS OF THE TRCB
988	(3DC)	UNSIGNED	2	RITTRNUM	TRACE DATA SPACE NUMBER
990	(3DE)	UNSIGNED	2	*	RESERVED
992	(3E0)	SIGNED	4	RITHILN	LENGTH OF STACK TO THE START OF THE HIPERSPACE SERVICES STACK SECTION

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
996	(3E4)	SIGNED	4	RITWSATH	WSA POOL THRESHOLD NUMBER
1000	(3E8)	CHARACTER	8	RITWSADW	CDS DOUBLE WORD FOR WSA POOL MANAGEMENT
1000	(3E8)	ADDRESS	4	RITAWSAQ	POINTER TO THE FIRST WSA ON THE AVAILABLE WSA QUEUE
1004	(3EC)	UNSIGNED	4	RITAWSAS	QUEUEING SEQUENCE NUMBER FOR THE AVAILABLE WSA QUEUE
1008	(3F0)	SIGNED	4	RITIOLN	LENGTH OF STACK TO THE START OF THE GENERAL I/O COMP STACK SECTION
1012	(3F4)	ADDRESS	4	RITIPLEP	TEMPORARY POINTER TO EST STORAGE. USED DURING IPL NIP
1016	(3F8)	UNSIGNED	4	RITWSAQC	AVAILABLE WSA QUEUE CONTROL COUNTER
1020	(3FC)	ADDRESS	4	RITRCUR	PREF STEAL RAB Q CURSOR
1024	(400)	ADDRESS	4	RITFBTBL	ADDRESS OF UIC TABLE FOR FRAME BUCKETS. SET BY IARXU
1028	(404)	ADDRESS	4	RITHWCPO	HIGH WATERMARK OF ONLINE CPS - INITIAL VALUE OF 1
1032	(408)	CHARACTER	8	RIT2GPFTE64	The PFTE address of last above frame
1032	(408)	UNSIGNED	4	*	RESERVED
1036	(40C)	ADDRESS	4	RIT2GPFT	PFTE address of last above frame
1040	(410)	CHARACTER	256	RITTRCRI	TRACE FILTERING CRITERIA

Comment

Note that the last byte of both RITTRFUN and RITTREVN is currently not cleared when the trace is turned off. This is ok as long as this entry remains unused.

End of Comment

1040	(410)	CHARACTER	128	RITTRFUN	TRACE FUNCTION ARRAY
1040	(410)	CHARACTER	1	RITTRFN1 (128)	
1168	(490)	CHARACTER	128	RITTREVN	TRACE EVENT ARRAY
1168	(490)	CHARACTER	1	RITTREV1 (128)	
1296	(510)	CHARACTER	12	RITSSFTA	CELL POOL ANCHORS FOR SMALL SIZED SFTS
1296	(510)	ADDRESS	4	RITSSFTF	FORWARD QUEUE POINTER
1300	(514)	ADDRESS	4	RITSSFTB	BACK QUEUE POINTER
1304	(518)	UNSIGNED	4	RITSSFTC	FREE CELL COUNT FOR ENTIRE POOL
1308	(51C)	CHARACTER	12	RITMSFTA	CELL POOL ANCHORS FOR MEDIUM SIZED SFTS
1308	(51C)	ADDRESS	4	RITMSFTF	FORWARD QUEUE POINTER
1312	(520)	ADDRESS	4	RITMSFTB	BACK QUEUE POINTER
1316	(524)	UNSIGNED	4	RITMSFTC	FREE CELL COUNT FOR ENTIRE POOL
1320	(528)	CHARACTER	12	RITLSFTA	CELL POOL ANCHORS FOR LARGE SIZED SFTS
1320	(528)	ADDRESS	4	RITLSFTF	FORWARD QUEUE POINTER
1324	(52C)	ADDRESS	4	RITLSFTB	BACK QUEUE POINTER
1328	(530)	UNSIGNED	4	RITLSFTC	FREE CELL COUNT FOR ENTIRE POOL
1332	(534)	CHARACTER	12	RITXSFTA	CELL POOL ANCHORS FOR EXTRA LARGE SIZED SFTS
1332	(534)	ADDRESS	4	RITXSFTF	FORWARD QUEUE POINTER
1336	(538)	ADDRESS	4	RITXSFTB	BACK QUEUE POINTER
1340	(53C)	UNSIGNED	4	RITXSFTC	FREE CELL COUNT FOR ENTIRE POOL
1344	(540)	ADDRESS	4	RITFSAQF	ADDRESS OF FIRST ASTE ON THE FREE SUBSPACE ASTE QUEUE
1348	(544)	ADDRESS	4	RITFSAQL	ADDRESS OF LAST ASTE ON THE FREE SUBSPACE ASTE QUEUE
1352	(548)	ADDRESS	4	RITSDHQF	ADDRESS OF FIRST SDH ON THE SHARED DATA PAGE HEADER QUEUE
1356	(54C)	ADDRESS	4	RITSDHQL	ADDRESS OF LAST SDH ON THE SHARED DATA PAGE HEADER QUEUE
1360	(550)	CHARACTER	4	*	Unused - must ensure that RitSffQf is not on a double word boundary
1364	(554)	ADDRESS	4	RITSFFQF	ADDRESS OF FIRST PFTE ON THE SHARED PAGE FIXED FRAME QUEUE
1368	(558)	ADDRESS	4	RITSFFQL	ADDRESS OF LAST PFTE ON THE SHARED PAGE FIXED FRAME QUEUE
1372	(55C)	ADDRESS	4	RITSPFQF	ADDRESS OF FIRST PFTE ON THE SHARED PAGE PAGEABLE FRAME QUEUE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
1376	(560)	ADDRESS	4	RITSPFQL	ADDRESS OF LAST PFTE ON THE SHARED PAGE PAGEABLE FRAME QUEUE
1380	(564)	ADDRESS	4	RITSEFQF	ADDRESS OF FIRST ESTE ON THE SHARED EXPANDED FRAME QUEUE (ESA Only, nOt used for ESAME)
1384	(568)	ADDRESS	4	RITSEFQL	ADDRESS OF LAST ESTE ON THE SHARED EXPANDED FRAME QUEUE (ESA Only, nOt used for ESAME)
1388	(56C)	CHARACTER	12	RITSDHPA	Cell pool anchors for the SDH pool queue. These 3 words must match the first 3 words of the SOBP mapping.
1388	(56C)	ADDRESS	4	RITSDHPF	Address of first SDH-pool on the SDH pool queue
1392	(570)	ADDRESS	4	RITSDHPL	Address of last SDH-pool on the SDH pool queue
1396	(574)	UNSIGNED	4	RITSDHPC	Free cell count for total of all SDH-pool extents
1400	(578)	CHARACTER	12	RITSPEPA	Cell pool anchors for the SPE pool queue. These 3 words must match the first 3 words of the SOBP mapping.
1400	(578)	ADDRESS	4	RITSPEPF	address of first SPE-pool on the SPE pool queue
1404	(57C)	ADDRESS	4	RITSPEPL	address of last SPE-pool on the SPE pool queue
1408	(580)	UNSIGNED	4	RITSPEPC	Free cell count for total of all SPE-pool extents
1412	(584)	SIGNED	4	RITDMUSV	System default for the maximum number of unauthorized shared views that can be owned by an address space
1416	(588)	ADDRESS	4	RITPFTCADSREAL@	Address of the first frame backing pages of the PFT CADS
1420	(58C)	ADDRESS	4	RITPFTCADSASTE@	Virtual address of the aste for the pft cads
1424	(590)	ADDRESS	4	RITREALSPACEASTE@	Virtual address of the real space aste
1428	(594)	ADDRESS	4	RITQDFQF	Address of first PFTE of the first quad frame group on the quad frame (non-pref) AFQ
1432	(598)	ADDRESS	4	RITQDFQL	Address of first PFTE of the last quad frame group on the quad frame (non-pref) AFQ
1436	(59C)	ADDRESS	4	RITPHFQF	Address of first PFTE on the preferred High (>2GB) AFQ
1440	(5A0)	ADDRESS	4	RITPHFQL	Address of last PFTE on the preferred High (>2GB) AFQ
1444	(5A4)	ADDRESS	4	RITNHFQF	Address of first PFTE on the non-preferred High (>2GB) AFQ
1448	(5A8)	ADDRESS	4	RITNHFQL	Address of last PFTE on the non-preferred High (>2GB) AFQ
1452	(5AC)	ADDRESS	4	RITQSFQF	Address of first PFTE on the single quad frames AFQ
1456	(5B0)	ADDRESS	4	RITQSFQL	Address of last PFTE on the single quad frames AFQ
1460	(5B4)	ADDRESS	4	RITQHFQF	Address of first PFTE on the quad frames Holding for steal AFQ
1464	(5B8)	ADDRESS	4	RITQHFQL	Address of last PFTE on the quad frames Holding for steal AFQ
1468	(5BC)	ADDRESS	4	RITQFCQF	Address of first FCB on the quad frame FCB control queue
1472	(5C0)	ADDRESS	4	RITQFCQL	Address of last FCB on the quad frame FCB control queue
1476	(5C4)	CHARACTER	44	RITSRBQD	SRB to schedule the Quad Frame Steal routine
1476	(5C4)	UNSIGNED	4	* (11)	
1520	(5F0)	CHARACTER	44	RITSRBFC	SRB to schedule the AFQ Frame Count routine
1520	(5F0)	UNSIGNED	4	* (11)	
1564	(61C)	UNSIGNED	4	RITHVHID	High Virtual Header Cell Pool ID
1568	(620)	CHARACTER	8	RITTQADR	Real Address of the top of the Quad Frame Candidate Area
1576	(628)	CHARACTER	8	RITQADR	Beginning address of quad frame candidate area
1584	(630)	CHARACTER	8	RITOFFLINEPFTEREAL@	Address of frame containing offline pftes
1592	(638)	CHARACTER	8	RITTWICEBAR	Artificial 4G Bar line or the actual top of storage
1600	(640)	UNSIGNED	4	RIT2GBAR	Artificial High Bar
1604	(644)	CHARACTER	8	RITAIX	Number of bytes in an address Increment (in ESAME mode)
1612	(64C)	UNSIGNED	4	RITNVAL	Number of frames per address increment
1616	(650)	CHARACTER	8	*	Reserved - to ensure bytes are not skipped
1624	(658)	CHARACTER	0	*	KEEP RIT A MULTIPLE OF 8 BYTES

RIT Constants

Len	Type	Value	Name	Description
4	HEX	7FFFFFFF	RITDBSC0	TO TURN RITDBSCH OFF
4	HEX	80000000	RITDBSC1	TO TURN RITDBSCH ON
4	HEX	BFFFFFFF	RITGDSC0	TO TURN RITGDSCH OFF
4	HEX	40000000	RITGDDC1	TO TURN RITGDSCH ON
4	HEX	DFFFFFFF	RITQDSC0	TO TURN RITQDSCH OFF
4	HEX	20000000	RITQDSC1	TO TURN RITQDSCH ON
4	HEX	EFFFFFFF	RITTRIP0	TO TURN RITTRIPR OFF
4	HEX	10000000	RITTRIP1	TO TURN RITTRIPR ON
4	HEX	F7FFFFFF	RITFFSC0	TO TURN RITFFSCH OFF
4	HEX	08000000	RITFFSC1	TO TURN RITFFSCH ON
4	HEX	FBFFFFFF	RITFFIN0	TO TURN RITFFINT OFF
4	HEX	04000000	RITFFIN1	TO TURN RITFFINT ON
4	HEX	FDFFFFFF	RITMGSC0	TO TURN RITMGSCH OFF
4	HEX	02000000	RITMGSC1	TO TURN RITMGSCH ON
4	HEX	FEFFFFFF	RITMGPN0	TO TURN RITMGPND OFF
4	HEX	01000000	RITMGPN1	TO TURN RITMGPND ON
4	HEX	FF7FFFFF	RITCNST0	TO TURN RITCNSTR OFF
4	HEX	00800000	RITCNST1	TO TURN RITCNSTR ON

RIT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
RIT	0		RITDMPOK	4	08
RITAEQF	364		RITDMUSV	584	
RITAEQL	368		RITDMXEX	3C8	
RITAI	110		RITDMXSZ	3CC	
RITAIM	118		RITDODMP	4	80
RITAIX	644		RITDPQF	8C	
RITASCQF	AC		RITDPQL	90	
RITASCQL	B0		RITDPQNQ	5	80
RITASPQF	94		RITDRLN	3AC	
RITASPQL	98		RITDSPOR	3D0	
RITAWSAQ	3E8		RITDSTBK	120	
RITAWSAS	3EC		RITEIM	374	
RITBADAS	E	80	RITESFCB	380	
RITBADTR	E	40	RITESI	37C	
RITBDFQF	4C		RITEST	36C	
RITBDFQL	50		RITFAIME	118	
RITBURST	39C		RITFBTBL	400	
RITCNLN	3B0		RITFCAQF	130	
RITCNSTR	9	80	RITFCAQL	134	
RITCPGT	108		RITFCFEQ	CC	
RITCRAB	18		RITFCSA	E8	
RITCSP	5	04	RITFCSAX	100	
RITCSWRD	8		RITFEIME	374	
RITCURSR	3A0		RITFESTE	36C	
RITC0DCT	C		RITFFDIE	8	10
RITC0DFL	E		RITFFINT	8	04
RITDBLDF	3C4		RITFFSCH	8	08
RITDBSCH	8	80	RITFLGS1	4	
RITDEFDF	10		RITFLGS2	5	
RITDEFPA	6	20	RITFLGS3	8	
RITDEFPB	5	08	RITFLGS4	9	
RITDEFPX	5	20	RITFLGS5	12A	
RITDEFXA	6	40	RITFLGS6	12B	
RITDEFXB	5	10	RITFPFTE	D0	
RITDEFXX	5	40	RITFPRV	E4	
RITDFAIL	11		RITFPRVX	104	
RITDFCQF	B4		RITFQSA	F0	
RITDFCQL	B8		RITFQSAX	F8	
RITDFLN	3A8		RITFRQF	84	
RITDMPFL	3D4		RITFRQL	88	

Name	Hex Offset	Hex Value
RITFSAQF	540	
RITFSAQL	544	
RITFVR	D8	
RITGDFQF	144	
RITGDFQL	148	
RITGDSCH	8	40
RITGLLK	14	
RITHILN	3E0	
RITHVHID	61C	
RITHWCPO	404	
RITIAVQL	6	80
RITID	0	
RITINSTL	12A	80
RITIOLN	3F0	
RITIPLEP	3F4	
RITLAIME	11C	
RITLCSA	EC	
RITLEIME	378	
RITLESTE	370	
RITLPFTE	D4	
RITLQSA	F4	
RITLQSAX	FC	
RITLSFTA	528	
RITLSFTB	52C	
RITLSFTC	530	
RITLSFTF	528	
RITLVR	DC	
RITMASX	4	01
RITMCLN	200	
RITMGPND	8	01
RITMGSCH	8	02
RITMPEID	390	
RITMSFTA	51C	
RITMSFTB	520	
RITMSFTC	524	
RITMSFTF	51C	
RITNAFQF	2C	
RITNAFQL	30	
RITNBFQF	3C	
RITNBFQL	40	
RITNHFQF	5A4	
RITNHFQL	5A8	
RITNMLN	3B4	
RITNPFTE	E0	
RITNVAL	64C	
RITNZDC	4	20
RITOFFLINEPFTEREAL@	630	
RITPADC	12	
RITPAFQF	24	
RITPAFQL	28	
RITPBDC	13	
RITPBFQF	34	
RITPBFQL	38	
RITPDIPC	13C	
RITPFT	D0	
RITPFTAC	9C	
RITPFTCADSASTE@	58C	
RITPFTCADSREAL@	588	
RITPFTEC	12C	
RITPHFQF	59C	
RITPHFQL	5A0	
RITQADR	628	
RITQDFQF	594	
RITQDFQL	598	
RITQDPREFSTEALCOUNT	154	
RITQDPREFSTEALCURSOR	14C	
RITQDSCH	8	20
RITQDSTEALCURSOR	150	
RITQFCQF	5BC	
RITQFCQL	5C0	
RITQHFQF	5B4	
RITQHFQL	5B8	
RITQSFQF	5AC	
RITQSFQL	5B0	
RITRABQF	1C	
RITRABQL	20	
RITRBSCH	9	40
RITRCLN	1F4	
RITRCMHI	398	
RITRCMLO	394	
RITRCUR	3FC	
RITRDH	3C0	
RITREALP	128	
RITREALSPACEALET	10C	
RITREALSPACEASTE@	590	
RITRLA	3BC	
RITRPLQF	7C	
RITRPLQL	80	
RITRRAB	3B8	
RITRRLN	1FC	
RITRSFQF	5C	
RITRSFQL	60	
RITRSLN	1F8	
RITRSUPR	4	04
RITSBFQF	64	
RITSBFQL	68	
RITSDHPA	56C	
RITSDHPC	574	
RITSDHPF	56C	
RITSDHPL	570	
RITSDHQF	548	
RITSDHQL	54C	
RITSEFQF	564	
RITSEFQL	568	
RITSERES	3D4	10
RITSERFR	3D4	20
RITSFFQF	554	
RITSFFQL	558	
RITSFQF	54	
RITSFQL	58	
RITSHRHC	138	
RITSKIP	116	
RITSPA	4	10
RITSPEPA	578	
RITSPEPC	580	
RITSPEPF	578	
RITSPEPL	57C	
RITSPFQF	55C	
RITSPFQL	560	
RITSPLN	1F0	
RITSRBDB	208	
RITSRBFC	5F0	

RIT Cross Reference

Name	Hex Offset	Hex Value
RITSRBFF	28C	
RITSRBGD	234	
RITSRBMG	338	
RITSRBQD	5C4	
RITSRMNT	4	40
RITSSFTA	510	
RITSSFTB	514	
RITSSFTC	518	
RITSSFTF	510	
RITSSLN	204	
RITSWPSZ	124	
RITTDFQF	44	
RITTDFQL	48	
RITTOEES	3D4	40
RITTOEFR	3D4	80
RITTOTLN	3A4	
RITTQADR	620	
RITTQEFF	2B8	
RITTRACE	4	02
RITTRCB	3D8	
RITTRCOL	5	02
RITTRCRI	410	
RITTREVN	490	
RITTREV1	490	
RITTRFN1	410	
RITTRFUN	410	
RITTRJMP	5	01
RITTRNUM	3DC	
RITTRSCP	5	03
RITTWICEBAR	638	
RITVFCB	BC	
RITVFEQF	384	
RITVFEQL	388	
RITVFL	38C	
RITVRCQF	A4	
RITVRCQL	A8	
RITVRFQF	6C	
RITVRFQL	70	
RITWSADW	3E8	
RITWSAQC	3F8	
RITWSATH	3E4	
RITXSFTA	534	
RITXSFTB	538	
RITXSFTC	53C	
RITXSFTF	534	
RIT2GBAR	640	
RIT2GPFT	40C	
RIT2GPFTE64	408	

RMCA Heading Information

Common Name: System Resource Manager Control Area
Macro ID: IRARMCA
DSECT Name: RMCA (unless DSECT=NO is coded)
Owning Component: System Resource Manager (SC1CX)
Eye-Catcher ID: RMCA
Offset: 0
Length: CHAR(4)
Storage Attributes: Subpool: Nucleus
Key: 0
Residency: Nucleus (above 16M line)
Size: 368 bytes
Created by: Assembled into nucleus module IRARMCNS
Pointed to by: RMCTRMCA field of the RMCT data area
Serialization: SRM Lock
Function: Provides the storage area containing swap analysis variables used within the system resource manager.

RMCA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	416	RMCA	
0	(0)	CHARACTER	4	RMCANAME	BLOCK IDENTIFICATION - 'RMCA'
4	(4)	SIGNED	2	RMCASWFT	SWAP IN FAIL THRESHOLD
6	(6)	SIGNED	2	RMCAINUS	COUNT OF IN-CORE USERS
8	(8)	SIGNED	2	RMCASFET	SWAP IN FAIL EVALUATION THRESHOLD - INIT BASED ON RMCASFTM
10	(A)	SIGNED	2	RMCASFWC	SWAP IN FAIL WAIT QUEUE COUNT
12	(C)	UNSIGNED	4	RMCATQS	SYSTEM QUIESCE TIME
16	(10)	UNSIGNED	4	RMCATRS	SYSTEM RESTART TIME
20	(14)	UNSIGNED	4	RMCATOI	TIME OF EXPECTD INTERRUPT
24	(18)	UNSIGNED	4	RMCAREIN	Time of last DMDT reinitialization
28	(1C)	SIGNED	2	RMCATAU	TUNITS TILL SRM ALG EXEC
30	(1E)	SIGNED	2	RMCATSU	TUNITS TILL TS1 EXECUTE
32	(20)	UNSIGNED	4	RMCASFTM	SWAP IN FAIL EVALUATION TIME - DIVIDE BY CAP INVOCATION INTERVAL TO GET RMCASFET
36	(24)	ADDRESS	4	RMCAPTRN	ADDR NEXT TS PATTERN ENTRY
40	(28)	UNSIGNED	4	RMCANHLD	# HOLD SYSEVENTS
44	(2C)	UNSIGNED	4	RMCAFHLD	# OF SWAPS TURNED AROUND DUE TO HOLD STATUS
48	(30)	CHARACTER	4	RMCACHP	CHAP LIST FOR SWAP
52	(34)	ADDRESS	4	RMCACHU	USER CHAPPED FOR SWAP
56	(38)	BITSTRING	4	RMCAINV	RTNE INVOCATION WORK AREA
60	(3C)	SIGNED	2	RMCADFCT	COUNT OF NONEXPRESS USERS DEFERRED FOR SWAP IN FAIL
62	(3E)	UNSIGNED	2	RMCAISV	ISV REC. VALUE BOOST
64	(40)	ADDRESS	2	RMCALGPG	DEF LOGON PERF GRP #
66	(42)	ADDRESS	2	RMCABCPG	DEF BATCH PERF GRP #
68	(44)	ADDRESS	4	RMCAMAS	ASCB ADDR FOR MASTER SCHEDULR
72	(48)	CHARACTER	160	RMCAWKA	NONRESIDENT RTN WORKAREA
232	(E8)	UNSIGNED	1	RMCANDP	SA FOR NDP
233	(E9)	UNSIGNED	1	RMCATNDP	SA FOR TNDP
234	(EA)	UNSIGNED	1	RMCANTSG	SA FOR TS GROUP
235	(EB)	UNSIGNED	1	RMCADSPN	SA FOR DSP STATUS
236	(EC)	SIGNED	2	RMCADFCK	# DEFERRED USERS CHECKED
238	(EE)	SIGNED	2	RMCACIUS	CT OF USERS COMING IN
240	(F0)	SIGNED	2	RMCACSU	Tunits until capping runs
242	(F2)	UNSIGNED	2	RMCARSV6	Reserved
244	(F4)	CHARACTER	72	RMCASRC	SWAP OUT REASON CNTS.

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Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
244	(F4)	UNSIGNED	4	RMCATOSC	TERMINAL OUTPUT SWAP COUNT
248	(F8)	UNSIGNED	4	RMCATISC	TERMINAL OUTPUT SWAP COUNT
252	(FC)	UNSIGNED	4	RMCALWSC	LONG WAIT SWAP COUNT
256	(100)	UNSIGNED	4	RMCAXSSC	AUT STOR SHORTAGE SWAP COUNT
260	(104)	UNSIGNED	4	RMCARSSC	REAL STOR SHORTAGE SWAP COUNT
264	(108)	UNSIGNED	4	RMCADWSC	DETECTED WAIT SWAP COUNT
268	(10C)	UNSIGNED	4	RMCARQSC	REQSWAP SWAP COUNT
272	(110)	UNSIGNED	4	RMCANQSC	CAP ENQ EXCHANGE SWAP COUNT
276	(114)	UNSIGNED	4	RMCAEXSC	CAP EXCHANGE BASED ON RECOMM. VALUE SWAP COUNT
280	(118)	UNSIGNED	4	RMCAUSSC	CAP UNILATERAL SWAP OUT COUNT
284	(11C)	UNSIGNED	4	RMCATSSC	TRANSITION SWAP COUNT
288	(120)	UNSIGNED	4	RMCAICSC	Improve central storage utilization swap count
292	(124)	UNSIGNED	4	RMCAIPSC	Improve demand page-in rate swap count
296	(128)	UNSIGNED	4	RMCAMRSC	Make room for an out-too-long address space swap count
300	(12C)	UNSIGNED	4	RMCAAWSC	APPC verb service request wait
304	(130)	UNSIGNED	4	RMCAOISC	OpenMVS input wait
308	(134)	UNSIGNED	4	RMCAOOSC	OpenMVS output wait
312	(138)	UNSIGNED	4	RMCAIRSC	REALSWAP count
316	(13C)	SIGNED	2	RMCAPRVU	TUNITS BEFORE LAST TIMER
318	(13E)	SIGNED	2	RMCANXTU	TUNITS TILL NEXT TIMER
320	(140)	CHARACTER	8	RMCACVD	WORK AREA FOR CONVERT TO DECIMAL.
328	(148)	SIGNED	2	RMCADSIN	# DEFERRED USERS BEING SWAPPED IN
330	(14A)	SIGNED	2	RMCAEDCT	# OF EXPRESS USERS DEFERRED FOR SWAP IN FAIL
332	(14C)	ADDRESS	4	RMCARSV7	Reserved
336	(150)	SIGNED	4	RMCARSV1	Reserved
340	(154)	SIGNED	4	RMCARSV2	Reserved
344	(158)	SIGNED	2	RMCASEET	SWAP TO EXT FAIL EVAL THRES
346	(15A)	SIGNED	2	RMCAREDR	The count of suspended users and/or pending REQSWAPs or TRANSWAPs
348	(15C)	ADDRESS	4	RMCASWCT	SWAP COUNT TABLE ADDRESS
352	(160)	SIGNED	4	RMCARSV3	Reserved
356	(164)	UNSIGNED	4	RMCAEXSW	Time of last exchange swap initiation
360	(168)	UNSIGNED	1	RMCATSG	CURRENT TIME SLICE GROUP
361	(169)	UNSIGNED	1	RMCARSV9	RESERVED
362	(16A)	SIGNED	2	RMCASFCT	SYS SWAP IN FAIL COUNT
364	(16C)	ADDRESS	4	RMCATS1L	TS1 CHAP LIST ADDRESS
368	(170)	UNSIGNED	4	RMCARSVA	reserved
372	(174)	SIGNED	2	RMCANUMI	number of entries in the express user list
374	(176)	SIGNED	2	RMCACPII	Index into express user swap in list
376	(178)	ADDRESS	4	RMCACPI (10)	Express user swap in list
416	(1A0)	CHARACTER	0	RMCAEND	END OF RMCA

RMCA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
RMCA	0		RMCAEXSC	114	
RMCAAWSC	12C		RMCAEXSW	164	
RMCABCPG	42		RMCAFHLD	2C	
RMCACHP	30		RMCAICSC	120	
RMCACHU	34		RMCAINUS	6	
RMCACIUS	EE		RMCAINV	38	
RMCACPI	178		RMCAIPSC	124	
RMCACPII	176		RMCAIRSC	138	
RMCACSU	F0		RMCAISV	3E	
RMCACVD	140		RMCALGPG	40	
RMCADFCK	EC		RMCALWSC	FC	
RMCADFCT	3C		RMCAMAS	44	
RMCADSIN	148		RMCAMRSC	128	
RMCADSPN	EB		RMCANAME	0	
RMCADWSC	108		RMCANDP	E8	
RMCAEDCT	14A		RMCANHLD	28	
RMCAEND	1A0		RMCANQSC	110	

Name	Hex Offset	Hex Value
RMCANTSG	EA	
RMCANUMI	174	
RMCANXTU	13E	
RMCAOISC	130	
RMCAOOSC	134	
RMCAPRVU	13C	
RMCAPTRN	24	
RMCAREDR	15A	
RMCAREIN	18	
RMCARQSC	10C	
RMCARSSC	104	
RMCARSVA	170	
RMCARSV1	150	
RMCARSV2	154	
RMCARSV3	160	
RMCARSV6	F2	
RMCARSV7	14C	
RMCARSV9	169	
RMCASEET	158	
RMCASFCT	16A	
RMCASFET	8	
RMCASFTM	20	
RMCASFWC	A	
RMCASRC	F4	
RMCASWCT	15C	
RMCASWFT	4	
RMCATAU	1C	
RMCATISC	F8	
RMCATNDP	E9	
RMCATOI	14	
RMCATOSC	F4	
RMCATQS	C	
RMCATRS	10	
RMCATSG	168	
RMCATSSC	11C	
RMCATSU	1E	
RMCATS1L	16C	
RMCAUSSC	118	
RMCAWKA	48	
RMCAXSSC	100	

RMCT Programming Interface information

Programming Interface information

RMCT

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

- RMCTCMCT

End of Programming Interface information

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RMCT Heading Information

Common Name: SYSTEM RESOURCES MANAGER CONTROL TABLE
Macro ID: IRARMCT
DSECT Name: RMCT
Owning Component: System Resources Manager (SC1CX)
Eye-Catcher ID: RMCT
Offset: 0
Length: 4
Storage Attributes: Main Storage: YES
Virtual Storage: YES
Auxiliary Storage: NO
Subpool: NUCLEUS
Key: key 0
Data Space: NO
Residency: (Residence - above 16M)
Size: 744 bytes
Created by: Assembled into nucleus module, IRARMCNS
Pointed to by: CVTOPCTP field of the CVT data area
Serialization: SRM lock
(some fields are compare and swap serialized,
as noted on field descriptions)
Function: THE RMCT SERVES AS THE ORIGIN TO LOCATE SYSTEM RESOURCES MANAGER TABLES AND ENTRY POINTS. THE RMCT LOCATES THE SCHEDULING / ROUTING INFORMATION USED TO INVOKE THE REQUIRED PROCESSING FOR THE VARIOUS SYSTEM RESOURCES MANAGER FUNCTIONS.

RMCT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	744	RMCT	
0	(0)	CHARACTER	4	RMCTNAME	BLOCK IDENTIFICATION - 'RMCT'
4	(4)	ADDRESS	4	RMCTCCT	CPU MGMT CONTROL TABLE
8	(8)	ADDRESS	4	RMCTICT	I/O MGMT CONTROL TABLE
12	(C)	ADDRESS	4	RMCTMCT	STORAGE MGMT CONTROL TABLE
16	(10)	ADDRESS	4	RMCTRMPT	CTL ALGORITHM PARAMETER TBL
20	(14)	ADDRESS	4	RMCTRMCA	CTL ALGORITHM CONTROL AREA
24	(18)	ADDRESS	4	RMCTWMST	WLM SPECIFICATION TABLE
28	(1C)	ADDRESS	4	RMCTSRBC	TCB/SRB CODE IN INT
32	(20)	ADDRESS	4	RMCTWMCT	WLM mode control table
36	(24)	ADDRESS	4	RMCTRMPD	RESOURCES MANAGER PERF DATA
40	(28)	ADDRESS	4	RMCTRMEX	ROUTINE EXITING VECTOR TABLE
44	(2C)	ADDRESS	4	RMCTRMSB	SUBRTNE CALLING VECTOR TABLE
48	(30)	ADDRESS	4	RMCTEPPA	PRTL ANALYSIS ENTRY TABLE
52	(34)	ADDRESS	4	RMCTEPDT	USER ACTION ENTRY TABLE
56	(38)	ADDRESS	4	RMCTEPAT	ALGORITHM ENTRY TABLE
60	(3C)	ADDRESS	4	RMCTLSCT	LOGICAL SWAP TABLE
64	(40)	SIGNED	4	RMCTADJC	CPU RATE ADJUSTMENT
68	(44)	ADDRESS	4	RMCTITT	EVENT CHARACTERISTICS TABLE
72	(48)	ADDRESS	4	RMCTEPET	EVENT ROUTING VECTOR TABLE
76	(4C)	ADDRESS	4	RMCTLTT	lock trace table address
80	(50)	ADDRESS	4	RMCTEPPR	PROCESS RATE DEPENDENT TABLE
84	(54)	ADDRESS	4	RMCTWAST	WMST FOR SET IPS
88	(58)	ADDRESS	4	RMCT15F	Abend 15F routine
92	(5C)	ADDRESS	4	RMCTTMQE	SCHED RTNE QUEUE HEAD ADDR
96	(60)	SIGNED	4	RMCTAQCT	ACTION QUEUE MEMBER COUNT
100	(64)	ADDRESS	4	RMCTAQHD	ACTION QUEUE FORWARD POINTER

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
104	(68)	ADDRESS	4	RMCTWTQE	WAIT - QUEUE HEADER ADDRESS
108	(6C)	ADDRESS	4	RMCTLSQE	LOG SWAP WAIT QUEUE HDR
112	(70)	ADDRESS	4	RMCTOTQE	OUT - QUEUE HEADER ADDRESS
116	(74)	ADDRESS	4	RMCTINQE	IN - QUEUE HEADER ADDRESS
120	(78)	UNSIGNED	4	RMCTTBS	SRM TIME OF DAY BASE
124	(7C)	UNSIGNED	4	RMCTTOD	CURRENT TIME OF DAY
128	(80)	BITSTRING	8	RMCTTOC	CURR TIME OF CENTURY
136	(88)	BITSTRING	4	RMCTALA	ALG REQUEST ACCUMULATOR See comment in IRAEPNMP
140	(8C)	BITSTRING	4	RMCTALR	IMMED ALG REQUEST ACCUMUL See comment in IRAEPNMP
144	(90)	ADDRESS	4	RMCTRQSV	REQ SERVICE WORK AREA
148	(94)	BITSTRING	4	RMCTFLGS	FLAGS
148	(94)	BITSTRING	2	RMCTFLG1	PROCESSING CONTROL
		1...		RMCTMFA	MEASUREMENT FACILITY ACTIVE
		.1..		RMCTCPS1	CAP SWITCH
		..1.		RMCTICS	CONTROL MEMBER DEFINED
		...1		RMCTINIT	SRM INITIALIZATION DONE
		.... 1...		RMCTREPT	NON-TSO REPORTING ACTIVE
		.... .1..		RMCTSTW	SET STOPPED WAR COLLECTION
		.... ..1.		RMCTTSAC	TIME SLICE ALG ACTIVE
		1		RMCTWLM	WLM mode active
149	(95)	1...		RMCTREP1	Reactivation of the in storage policy in progress, timeout interval 1 pending.
		.1..		RMCTMFS	RMF ACT.,SET RCVD
		..1.		RMCTCNSW	COUNT NON-SWAPPABLE USERS IN CMPL
		...1		RMCTCLST	COUNT EACH COMMAND IN A CLIST
		.... 1...		RMCTRTSO	TSO TRXNAME REPORTING ACTIVE
		.... .1..		RMCTDMTI	Set to reinitialize the domain table in Swap Analysis
		.... ..1.		RMCTOKCP	This bit is set so that next Sysevent 24 is issued, CAP will be scheduled.
		1		RMCTREP2	Reactivation of the in storage policy in progress, timeout interval 2 pending.
150	(96)	BITSTRING	1	RMCTTAPE	TAPE SELECTION:
		1...		RMCTSLTN	NEXT HIGHEST
		.1..		RMCTSLTR	RANDOM
		..1.		RMCTSLTL	LOWEST ADDRESS
		...1		RMCTSLTF	FIRST DEVICE IN LIST
		 1111		RMCTF10	RESERVED
151	(97)	BITSTRING	1	RMCTFLG2	PROCESSING FLAGS
		1...		RMCTF12	RESERVED
		.1..		RMCTOVFL	OVERFLOW OCCURRED
		..1.		RMCTUNTR	Real time period durations are in effect
		...1		RMCTSRNG	Send empty SRRU to systems
		.... 1...		RMCTSQMR	Schedule queue manager recovery
		.... .111		RMCTF11	RESERVED
152	(98)	ADDRESS	4	RMCTTELM	RSRC MANAGER TIMING ELEMENT
156	(9C)	ADDRESS	4	RMCTCPID	SRM CELL POOL ID
160	(A0)	BITSTRING	8	RMCTTOCI	TOD CLOCK READ AREA
168	(A8)	ADDRESS	4	RMCTOUCB	PREASSEMBLED MODEL OUCB
172	(AC)	ADDRESS	4	RMCTOUXB	INTERPOSED DUMMY OUXB
176	(B0)	ADDRESS	4	RMCTSRBT	PREBUILT SRB TABLE
180	(B4)	ADDRESS	4	RMCTDMDT	ADDR OF DOMAIN TABLE
184	(B8)	ADDRESS	4	RMCTDMDE	ADDR OF LAST DMDT ENT
188	(BC)	SIGNED	2	RMCTDMNC	NUMBER OF DOMAINS
190	(BE)	SIGNED	2	RMCTRSV2	Reserved
192	(C0)	ADDRESS	4	RMCTTSPT	FIRST TS PATTERN ENT
196	(C4)	ADDRESS	4	RMCTTSPE	LAST TS PATTERN ENTRY
200	(C8)	ADDRESS	4	RMCTTSGT	FIRST TSGRP TBL ENTRY
204	(CC)	ADDRESS	4	RMCTTSGE	LAST TSGRP TBL ENTRY
208	(D0)	SIGNED	4	RMCTCPU	CPU service coefficient
212	(D4)	SIGNED	4	RMCTMSO	MSO service coefficient
216	(D8)	SIGNED	4	RMCTIOC	IOC service coefficient
220	(DC)	ADDRESS	4	RMCTICST	ICSC TABLE ADDR

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
224	(E0)	SIGNED	4	RMCTCPMP	CPU ADJUSTING FACTOR - IF THIS PROCESSOR MODEL HAS RELATED CPUS, THIS ADJUSTMENT FACTOR IS FOR THE FASTER CPU
228	(E4)	ADDRESS	4	RMCTRCT	ADDRESS OF RCT
232	(E8)	CHARACTER	8	RMCTBRQE	BASIC REPORTING AVAIL. Q
232	(E8)	ADDRESS	4	RMCTBRQH	HEADER
236	(EC)	SIGNED	4	RMCTBRQC	USE COUNT
240	(F0)	CHARACTER	8	RMCTERQE	EXTENDED REPORTING AVAILQ
240	(F0)	ADDRESS	4	RMCTERQH	HEADER
244	(F4)	SIGNED	4	RMCTERQC	USE COUNT
248	(F8)	CHARACTER	8	RMCTUPDQ	REPORTING UPDATE QUE
248	(F8)	ADDRESS	4	RMCTUPQH	HEADER
252	(FC)	SIGNED	4	RMCTUPQC	USE COUNT
256	(100)	ADDRESS	4	RMCTTRAD	XACN REPORTING QUEUE FIRST PAGE PTR
260	(104)	SIGNED	4	RMCTTRPC	XACN RPTG Q PAGE CNT
264	(108)	ADDRESS	4	RMCTICSP	XACN DESCRIPTION TABLE
268	(10C)	ADDRESS	4	RMCTRSPL	RSPL ADDRESS
272	(110)	BITSTRING	1	RMCTCSB	RMCT COMPARE/SWAP BIT
		1...		RMCTUTQE	SRM TQE PAST DUE
		.1..		RMCTSIMT	PASSAGE OF TIME HAS BEEN SIMULATED DUE TO TOD CLOCK FAILUR
		..1.		RMCTNOBQ	NO BASIC REPORTING Q ELEMENTS
		...1		RMCTNOEQ	NO EXTND REPORTING Q ELEMENTS
		.... 1...		RMCTTPP	SRM TIMER POP PENDING
		.... .1..		RMCTSTGF	VIO journaling dataset failure
		.... ..1.		RMCTWSMF	Write SMF99 records
		1		RMCTSSMF	SRB to write SMF99 records has been scheduled
273	(111)	BITSTRING	1	RMCTRSVB	RESERVED
274	(112)	SIGNED	2	RMCTSHDL	LENGTH OF SRM STACK HDR (MUST BE A MULTIPLE OF 8 TO INSURE A DWORD BDY FOR EACH STACK FRAME)
276	(114)	ADDRESS	4	RMCTPTCH	PATCH AREA ADDRESS
280	(118)	ADDRESS	4	RMCTCMCT	CHAN MEAS CONTROL TABLE
284	(11C)	ADDRESS	4	RMCTESCT	EXT STORE CRITERIA TABLE
288	(120)	ADDRESS	4	RMCTEPBG	EPAT ADDRESS
292	(124)	CHARACTER	4	RMCTHDID	SRM STACK HEADER ID
296	(128)	ADDRESS	4	RMCTPAGP	SYSTEM PAGING BLOCK POINTER
300	(12C)	UNSIGNED	4	RMCTELET	Executed long enough threshold for determing if an address space has executed long enough to be analyzed for monitoring. Value is 2 SRM seconds
304	(130)	SIGNED	4	RMCTSRB	SRB service coefficient
308	(134)	SIGNED	4	RMCTITER	iteration number
312	(138)	ADDRESS	4	RMCTSMC	sample monitoring control block
316	(13C)	ADDRESS	4	RMCTDFQF	address of first oucb on deferred freemain queue
320	(140)	ADDRESS	4	RMCTDFQL	address of last oucb on deferred freemain queue
324	(144)	ADDRESS	4	RMCTSMFB	Pointer to SMF99 Buffer
328	(148)	ADDRESS	4	RMCTEPDB	First RMEP on EPDT
332	(14C)	SIGNED	4	RMCTSMFS	Address of last SMF99 SRB
336	(150)	ADDRESS	4	RMCTRSDA	Address of RSD List
340	(154)	ADDRESS	4	RMCTENCH	System Encb Queue header
344	(158)	ADDRESS	4	RMCTENCL	System Encb Queue trailer
348	(15C)	ADDRESS	4	RMCTSRRU	Address of Sysplex Router Registered User block
352	(160)	UNSIGNED	4	RMCTDSFC	Number of times sending sysplex data failed on this system. Moved from WMCT_DM_SEND_FAILED_CNT so it can be referenced in compat mode
356	(164)	ADDRESS	4	RMCTGRSS	Address of Generic Resource Selected Systems
360	(168)	SIGNED	4	RMCTLE55	Last TOD for ENF 55
364	(16C)	ADDRESS	4	RMCTSWMB	Address of Subsystem Work Measurement Block
368	(170)	BITSTRING	4	RMCTRCTS	Timestamp (time of day in 1.048576 second units, the leftmost 32 bits of the clock) of when resource constraints were last detected - may be 0 if no such problem has been seen

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
372	(174)	BITSTRING	4	RMCTIPAT	Internal policy activation timestamp (time of day in 1.048576 second units, the leftmost 32 bits of the clock). This timestamp is set to when reactivation of the in storage policy was initiated (by IRARMER3) + 1 minute elapsed time to account for policy activation delays and to allow the system to re- accumulate meaningful statistics. It denotes when it is ok to enable this system for TSO generic resource selection. A value of 0 indicates either there is no rebuild policy action or the elapsed time has expired
376	(178)	SIGNED	4	RMCTR01 (1)	Reserved
380	(17C)	ADDRESS	4	RMCTX2	Address of the RMCT extention 2 Mapped by IRARMCTY
384	(180)	CHARACTER	360	RMCTX1	Mapped by IRARMCTX
744	(2E8)	CHARACTER	0	RMCTEND	END OF RMCT End of this block

RMCT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
RMCT	0		RMCTGRSS	164	
RMCTADJC	40		RMCTHDID	124	
RMCTALA	88		RMCTICS	94	20
RMCTALR	8C		RMCTICSP	108	
RMCTAQCT	60		RMCTICST	DC	
RMCTAQHD	64		RMCTICT	8	
RMCTBRQC	EC		RMCTINIT	94	10
RMCTBRQE	E8		RMCTINQE	74	
RMCTBRQH	E8		RMCTIOC	D8	
RMCTCCT	4		RMCTIPAT	174	
RMCTCLST	95	10	RMCTITER	134	
RMCTCMCT	118		RMCTITT	44	
RMCTCNSW	95	20	RMCTLE55	168	
RMCTCPID	9C		RMCTLSCT	3C	
RMCTCPMP	E0		RMCTLSQE	6C	
RMCTCPS1	94	40	RMCTLTT	4C	
RMCTCPU	D0		RMCTMCT	C	
RMCTCSB	110		RMCTMFA	94	80
RMCTDFQF	13C		RMCTMFS	95	40
RMCTDFQL	140		RMCTMSO	D4	
RMCTDMDE	B8		RMCTNAME	0	
RMCTDMDT	B4		RMCTNOBQ	110	20
RMCTDMNC	BC		RMCTNOEQ	110	10
RMCTDMTI	95	04	RMCTOKCP	95	02
RMCTDSFC	160		RMCTOTQE	70	
RMCTELET	12C		RMCTOUCB	A8	
RMCTENCH	154		RMCTOUXB	AC	
RMCTENCL	158		RMCTOVFL	97	40
RMCTEND	2E8		RMCTPAGP	128	
RMCTEPAT	38		RMCTPTCH	114	
RMCTEPBG	120		RMCTRCT	E4	
RMCTEPDB	148		RMCTRCTS	170	
RMCTEPDT	34		RMCTREPT	94	08
RMCTEPET	48		RMCTREP1	95	80
RMCTEPPA	30		RMCTREP2	95	01
RMCTEPPR	50		RMCTRMCA	14	
RMCTERQC	F4		RMCTRMEX	28	
RMCTERQE	F0		RMCTRMPD	24	
RMCTERQH	F0		RMCTRMPT	10	
RMCTESCT	11C		RMCTRMSB	2C	
RMCTFLGS	94		RMCTRQSV	90	
RMCTFLG1	94		RMCTRSDA	150	
RMCTFLG2	97		RMCTRSPL	10C	
RMCTF10	96	0F	RMCTRSVB	111	
RMCTF11	97	07	RMCTRSV2	BE	
RMCTF12	97	80	RMCTRTSO	95	08

RMCT Cross Reference

Name	Hex Offset	Hex Value
RMCTR01	178	
RMCTSHDL	112	
RMCTSIMT	110	40
RMCTSLTF	96	10
RMCTSLTL	96	20
RMCTSLTN	96	80
RMCTSLTR	96	40
RMCTSMC	138	
RMCTSMFB	144	
RMCTSMFS	14C	
RMCTSQMR	97	08
RMCTSRB	130	
RMCTSRBC	1C	
RMCTSRBT	B0	
RMCTSRNG	97	10
RMCTSRRU	15C	
RMCTSSMF	110	01
RMCTSTGF	110	04
RMCTSTW	94	04
RMCTSWMB	16C	
RMCTTAPE	96	
RMCTTBS	78	
RMCTTELM	98	
RMCTTMQE	5C	
RMCTTOC	80	
RMCTTOCI	A0	
RMCTTOD	7C	
RMCTTPP	110	08
RMCTTRAD	100	
RMCTTRPC	104	
RMCTTSAC	94	02
RMCTTSGE	CC	
RMCTTSGT	C8	
RMCTTSPE	C4	
RMCTTSPT	C0	
RMCTUNTR	97	20
RMCTUPDQ	F8	
RMCTUPQC	FC	
RMCTUPQH	F8	
RMCTUTQE	110	80
RMCTWAST	54	
RMCTWLM	94	01
RMCTWMCT	20	
RMCTWMST	18	
RMCTWSMF	110	02
RMCTWTQE	68	
RMCTX1	180	
RMCTX2	17C	
RMCT15F	58	

RMEP Heading Information

Common Name: System Resources Manager Entry Point Block
Macro ID: IRARMEP
DSECT Name: RMEP
Owning Component: System Resources Manager (SC1CX)
Eye-Catcher ID: n/a
Storage Attributes: Main Storage: YES
Virtual Storage: Common
Auxiliary Storage: No
Subpool: Nucleus
Key: 0
Data Space: No
Residency: above 16M line
Size: 3 flavors - 16, 32, or 48
Created by: Assembled into nucleus module, IRARMCNS
Pointed to by: RRPAEPA field of the RRPA data area
Serialization: SRM lock
Function: THE RMEP DESIGNATES A SYSTEM RESOURCES MANAGER PROCESSING ROUTINE WHICH MAY BE INVOKED THROUGH THE CONTROL ALGORITHM. THE RMEP CONTAINS THE ROUTINE ENTRY POINT ADDRESS, DEFINES A BIT MASK TO BE USED TO REQUEST THE ROUTINE, AND OPTIONALLY A RECOVERY EXTENSION AND/OR A PROVISION FOR PERIODIC EXECUTION OF THE ROUTINE. THE RMEP BLOCK CONTAINS FLAGS INDICATING HOW THE DESCRIBED ROUTINE MAY BE INVOKED.

RMEP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	48	RMEP	
0	(0)	CHARACTER	16	RMEPEPB	ENTRY POINT BLOCK
0	(0)	ADDRESS	4	RMEPEPA	ENTRY POINT ADDRESS
4	(4)	ADDRESS	4	RMEPERA	ERROR RETRY POINT ADDRESS
8	(8)	BITSTRING	4	RMEPFLG	INVOCATION FLAG MASK
8	(8)	BITSTRING	3	RMEPVFL	RTNE INVOC FLAG FIELD
11	(B)	.... .1..		RMEPRCR	CRITICAL ALGORITHM INDICATOR
		.... ..1.		RMEPTMD	RTNE INVOKE TIME-DEPENDENT
		1		RMEPACN	RTNE PERFORMS USER LEVL ACTN
12	(C)	ADDRESS	4	RMEPPRV	ADDRESS OF PREV RMEP BLOCK
16	(10)	CHARACTER	0	RMEPEND	END OF BASE RMEP
16	(10)	CHARACTER	16	RMEPREC	RECOVERY EXTN
16	(10)	ADDRESS	4	RMEPMID	ADDRESS OF MODULE ID
20	(14)	CHARACTER	3	RMEPLBL	ROUTINE LABEL SUFFIX
23	(17)	CHARACTER	1	RMEPRSV	RESERVED
24	(18)	ADDRESS	4	RMEPFPT	STACK FRAME POINTER
28	(1C)	ADDRESS	4	RMEPRS1	RESERVED
32	(20)	CHARACTER	0	RMEPRND	END RECOVERY EXTN
32	(20)	CHARACTER	16	RMEPSCH	SCHEDULING EXTENSN
32	(20)	ADDRESS	4	RMEPFWD	TIME DRIVEN CHAIN FORWRD PTR
36	(24)	ADDRESS	4	RMEPBCK	TIME DRIVEN CHAIN BCKWRD PTR
40	(28)	UNSIGNED	4	RMEPTME	TIME WHEN ENTRY SCHED
44	(2C)	UNSIGNED	4	RMEPINT	INVOCATION INTERVAL
48	(30)	CHARACTER	0	RMEPSND	END OF SCHD RMEP 1@L1D End of this block

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RMEP Cross Reference

Name	Hex Offset	Hex Value
RMEP	0	
RMEPACN	B	01
RMEPBCK	24	
RMEPEND	10	
RMEPEPA	0	
RMEPEPB	0	
RMEPERA	4	
RMEPFLG	8	
RMEPFPT	18	
RMEPFWD	20	
RMEPINT	2C	
RMEPLBL	14	
RMEPMID	10	
RMEPPRV	C	
RMEPRCR	B	04
RMEPREC	10	
RMEPRND	20	
RMEPRSV	17	
RMEPRS1	1C	
RMEPSCH	20	
RMEPSND	30	
RMEPTMD	B	02
RMEPTME	28	
RMEPVFL	8	

RMEX Heading Information

Common Name: SYSTEM RESOURCES MANAGER EXTERNAL ENTRY POINT DESCRIPTOR TABLE.
Macro ID: IRARMEX
DSECT Name: RMEX
Owning Component: SYSTEMS RESOURCE MANAGER (SC1CX)
Eye-Catcher ID: NONE
Storage Attributes: Key: 0
Residency: NUCLEUS (ABOVE 16M LINE)
Size: 136 BYTES
Created by: ASSEMBLED INTO NUCLEUS MODULE IRARMCNS
Pointed to by: THE ADDRESS OF THE RMEX IS CONTAINED IN THE -RMCTRMEX- FIELD OF THE SYSTEM RESOURCES MANAGER CONTROL TABLE.
Serialization: SRM LOCK
Function: THE RMEX CONTAINS THE ENTRY POINT DESCRIPTORS OF ALL EXTERNALLY ENTERED BRANCH POINTS (ROUTINES WHICH DO NOT RETURN CONTROL) WITHIN THE SYSTEM RESOURCES MANAGER COMPONENT. THE IRACTLCL MACRO KEYS OFF THE RMEX DISPLACEMENTS TO ROUTE CONTROL TO THE REQUESTED BRANCH (I.E. EXTERNAL ENTRY) POINT.

RMEX Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	136	RMEX	
0	(0)	CHARACTER	32	RMEPBEVT	PERFORM SYSEVENT PROCESS
0	(0)	ADDRESS	4	RMEXEVT	EVT RTNE ENTRY POINT ADDRESS
32	(20)	CHARACTER	32	RMEPBCTL	ROUTE CONTROL WITHIN SRM
32	(20)	ADDRESS	4	RMEXCTL	CTL RTNE ENTRY POINT ADDRESS
64	(40)	CHARACTER	32	RMEPBFIP	PERFORM SYSEVENT PROCESS
64	(40)	ADDRESS	4	RMEXFIP	FIP RTNE ENTRY POINT
96	(60)	ADDRESS	4	RMEXI01	NORM EXIT FROM SRM PROCESSING
100	(64)	ADDRESS	4	RMEXI17	SRM POST ECB ROUTINE
104	(68)	ADDRESS	4	RMEXCET	SRM TIMEREXP PROCESS ENTRY PT
108	(6C)	ADDRESS	4	RMEXI48	SRM SYSEVENT PROCESS ENTRY PT
112	(70)	ADDRESS	4	RMEXRR1	RECOVERY RTNE IF W/O SRM LOCK
116	(74)	ADDRESS	4	RMEXRR2	RECOVERY RTNE IF HAV SRM LOCK
120	(78)	ADDRESS	4	RMEXXPE	RECOVERY RTNE IF XM-POST FAIL
124	(7C)	ADDRESS	4	RMEXSRE	RECOVERY RTNE IF SRM SRB PURG
128	(80)	ADDRESS	4	RMEXPSE	POST SRB PURGE
132	(84)	ADDRESS	4	RMEXPFE	POST FAILURE ROUTINE
136	(88)	CHARACTER	0	RMEXEND	END OF RMEX TABLE END OF THIS BLOCK

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RMEX Cross Reference

Name	Hex Offset	Hex Value
RMEPBCTL	20	
RMEPBEVT	0	
RMEPBFIP	40	
RMEX	0	
RMEXCET	68	
RMEXCTL	20	
RMEXEND	88	
RMEXEVT	0	
RMEXFIP	40	
RMEXI01	60	
RMEXI17	64	
RMEXI48	6C	
RMEXPFE	84	
RMEXPSE	80	
RMEXRR1	70	
RMEXRR2	74	
RMEXSRE	7C	
RMEXXPE	78	

RMPL Programming Interface information

Programming Interface information

RMPL

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

- RMPLASCB
- RMPLASID
- RMPLJST
- RMPLTCBA
- RMPLTERM
- RMPLTYPE

End of Programming Interface information

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RMPL Heading Information

Common Name: RESOURCE MANAGER PARAMETER LIST
Macro ID: IHARMPL
DSECT Name: RMPL
Owning Component: RECOVERY TERMINATION MANAGER (SCRTM)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 255
Key: 0
Residency: BELOW THE 16M LINE
Size: 24 BYTES
Created by: IEAVTRT2
Pointed to by: REGISTER 1 UPON ENTRY TO A RESOURCE MANAGER.
THE RMPL CAN ALSO BE FOUND VIA THE RTM2RMPL FIELD OF THE RTM2WA DATA AREA.
Serialization: NONE
Function: THE RESOURCE MANAGER PARAMETER LIST IS THE COMMUNICATION AREA BETWEEN TASK/MEMORY TERMINATION AND THE USER/SYSTEM DEFINED RESOURCE MANAGERS.

RMPL Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	RMPL	, RMPLPTR
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"
0	(0)	BITSTRING	1	RMPLFLG1	FLAGS INDICATING TYPE OF TERMINATION
		1...		RMPLTYPE	"BIT0" ON,INDICATES ABNORMAL TERMINATION OFF,INDICATES NORMAL TERMINATION
		.1..		RMPLTERM	"BIT1" ON,INDICATES MEMORY TERMINATION OFF,INDICATES TASK TERMINATION
		..1.		RMPLRBPP	"BIT2" ON,INDICATES RB RELATED PURGE
		...1		RMPLIPUF	"BIT3" ON,INHIBITING PAGE UNFIXES
		.... 1...		RMPLRCOV	"BIT4" ON, INDICATES TASK RECOVERY PORTION OF RTM2 IS THE CALLER
		.... .1..		RMPLJST	"BIT5" ON, INDICATES THAT TERMINATING TASK IS JOB STEP TCB
		.... ..1.		RMPLWT1M	"BIT6" ON, INDICATES TYPE 1 MSG TABLE ENTRIES ARE TO BE WRITTEN
		1		RMPLMTC	"BIT7" ON, INDICATES CALL TO RESOURCE MANAGER WAS MADE BY THE MEMORY TERMINATION CONTROLLER-MODULE IEAVTMTC
		1		RMPLIOPG	"BIT7" ON WHEN RMPLTERM IS OFF INDICATES TO THE CONTENTS RESOURCE MANAGER THAT I/O HAS BEEN PURGED
1	(1)	BITSTRING	1	RMPLFLG2	RESERVED
2	(2)	CHARACTER	2	RMPLASID	ASID ASSOCIATED WITH THE TERMINATING TASK OR MEMORY
4	(4)	ADDRESS	4	RMPLASCB	ADDRESS OF ASCB ASSOCIATED WITH TERMINATING TASK OR MEMORY
8	(8)	ADDRESS	4	RMPLTCBA	ADDRESS OF TERMINATING TCB(ZEROES IF MEMORY TERMINATION)
12	(C)	ADDRESS	4	RMPLRBPA	ADDRESS OF TERMINATING RB
16	(10)	ADDRESS	4	RMPLRMWA	ADDRESS OF RESOURCE MANAGERS WORK AREA

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
20	(14)	ADDRESS	4	RMPLDCBL	ADDRESS OF DCB LIST USED BY DATA MGR TASK CLOSE ROUTINE FOR RB RELATED PURGES
20	(14)	X'10'	0	RMPLWALN	"16" LENGTH IN FULLWORDS OF RESOURCE MANAGERS WORK AREA

RMPL Cross Reference

Name	Hex Offset	Hex Value
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
RMPL	0	
RMPLASCB	4	
RMPLASID	2	
RMPLDCBL	14	
RMPLFLG1	0	
RMPLFLG2	1	
RMPLIOPG	0	1
RMPLIPUF	0	10
RMPLJST	0	4
RMPLMTC	0	1
RMPLRBPA	C	
RMPLRBPP	0	20
RMPLRCOV	0	8
RMPLRMWA	10	
RMPLTCBA	8	
RMPLTERM	0	40
RMPLTYPE	0	80
RMPLWALN	14	10
RMPLWT1M	0	2

RNLE Programming Interface information

Programming Interface information

RNLE

End of Programming Interface information

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RNLE Heading Information

Common Name: RESOURCE NAME LIST ENTRY
Macro ID: ISGRNLE
DSECT Name: RNLE, RNL_HEADER
Owning Component: GLOBAL RESOURCE SERIALIZATION (SCSDS)
Eye-Catcher ID: N/A
Offset: N/A
Length: N/A
Storage Attributes: Subpool: 245
Key: 0
Residency: ABOVE THE 16M LINE
Size: 10 BYTES + VARIABLE LENGTH RNAME
Created by: THE RNLES ARE CREATED BY ISGNRNLP AT SYSTEM INITIALIZATION OR BY ISGCRNLP DURING A DYNAMIC RNL CHANGE.
Pointed to by: THERE ARE THREE LISTS OF RNLES:
GVTSERNL POINTS TO THE FIRST RNLE IN THE SYSTEMS EXCLUSION LIST
GVTSIRNL POINTS TO THE FIRST RNLE IN THE SYSTEM INCLUSION LIST
GVTRCRNL POINTS TO THE FIRST RNLE IN THE RESERVE CONVERSION LIST
Serialization: CHANGES TO THE RNLS ARE SERIALIZED BY THE CMSEQDQ LOCK
Function: DEFINES RESOURCES THAT ARE TO BE INCLUDED OR EXCLUDED FROM GLOBAL RESOURCE SERIALIZATION AND ALSO DEFINES RESERVE RESOURCES THAT ARE TO BE CONVERTED TO GLOBAL ENQS

RNLE Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	RNLE	RNLE ENTRY
0	(0)	CHARACTER	10	RNLEFXDP (0)	FIXED PORTION OF RNLE
0	(0)	BITSTRING	1	RNLEFLGS	FLAG BYTE
		1...		RNLELAST	"X'80'" WHEN 1, THIS IS THE LAST ENTRY
		.1..		RNLEGENR	"X'40'" WHEN 1, GENERIC ENTRY
		..1.		RNLEXALL	"X'20'" WHEN 1, GRSRNL=EXCLUDE
		...1		RNLEPATT	"X'10'" WHEN 1, PATTERN ENTRY
		.... 1...		RNLEFR04	"X'08'" RESERVED
		.... .1..		RNLEFR03	"X'04'" RESERVED
		.... ..1.		RNLEFR02	"X'02'" RESERVED
		1		RNLEFR01	"X'01'" RESERVED
1	(1)	ADDRESS	1	RNLERNML	LENGTH OF RNAME
2	(2)	CHARACTER	8	RNLEQNME	QNAME
10	(A)	CHARACTER	1	RNLERNME (0)	RNAME (VARIABLE LENGTH)

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	RNL_HEADDR	RNL HEADER 3
0	(0)	CHARACTER	8	RNLTYPE	TYPE OF RNL
8	(8)	SIGNED	4	RNL_LENGTH	LENGTH OF RNL

RNLE Cross Reference

Name	Hex Offset	Hex Value
RNL_HEADDR	0	
RNL_LENGTH	8	
RNLE	0	
RNLEFLGS	0	
RNLEFR01	0	1
RNLEFR02	0	2
RNLEFR03	0	4
RNLEFR04	0	8
RNLEFXDP	0	
RNLEGENR	0	40
RNLELAST	0	80
RNLEPATT	0	10
RNLEQNME	2	
RNLERNME	A	
RNLERNML	1	
RNLEXALL	0	20
RNLTYPE	0	

RPT Heading Information

Common Name: Resource Pool Table
Macro ID: ISGRPT
DSECT Name: RPT

RPTE
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: RPT
Offset: 0
Length: 4
Storage Attributes: Subpool: 245 for RPT in SQA, 229 for RPT in private
Key: 0
Residency: SQA prior to initialization of GRS address space GRS private once GRS address space is available
Size: Size of header (160 bytes) plus 48 bytes per entry.
Created by: Prior to the initialization of the GRS address space, ISGNCBIM creates the RPT in SQA. Once the GRS address space is available, ISGNASIM rebuilds/moves the RPT into GRS private storage.
Pointed to by: GVTXGRPT
Serialization: The SQA RPT is serialized with the CMSEQDQ lock. After initialization of the GRS address space, certain fields in the private area RPT are serialized via Compare and Swap. Refer to the indiviual RPT fields to determine the serialization requirements of each field.
Function: The Resource Pool Table (RPT) is used by GRS Storage Management Services to keep track of the GRS cell pools.

RPT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	RPT	Resource Pool Table
0	(0)	CHARACTER	160	RPT_HEADER	Resource Pool Table Header
0	(0)	CHARACTER	4	RPT_ID	Control Block Acronym - RPT
4	(4)	CHARACTER	1	*	Reserved
5	(5)	UNSIGNED	1	RPT_#ENTRIES	Number of entries in the RPT
6	(6)	CHARACTER	2	*	Reserved
8	(8)	CHARACTER	8	RPT_INACTIVEQHDR	Doubleword Inactive PEXB Queue Header. Serialized with Compare Double and Swap.
8	(8)	ADDRESS	4	RPT_INACTIVEQ	Inactive PEXB queue consisting of PEXBs currently inactive. Serialized by Compare Double and Swap against the inactive queue header.
12	(C)	UNSIGNED	4	RPT_INACTIVEQSWAPCNT	Control count to ensure the integrity of the swap operation when updating the InactiveQ. The current count must always be incremented by 1 and updated each time a Compare Double and Swap is performed against the queue.
16	(10)	CHARACTER	8	RPT_PAGERLSECTRLAREA	

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Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Doubleword area used to the keep track of the number of inactive PEXBs and to control the scheduling of the Page Release SRB to cleanup the inactive PEXBs. This area is serialized via Compare Double and Swap
16	(10)	SIGNED	4	RPT_INACTIVEPEXBCNT	
					Count of inactive PEXBs on the RPT Extent Queues and the RPT Inactive Queue. The count is serialized via Compare and Swap (or Compare Double and Swap if the whole double word control area is changed). Note: This count only used to determine when ISGSDAL should schedule the page release routine (ISGPSR). When an invalid PEXB pointer was detected on the inactive queue, this counter will be zeroed before thrashing the whole invalid queue. As a result, the count can be under reported than the actual number of the inactive PEXBs. At least preventing from scheduling the SRB too often than needed.
20	(14)	SIGNED	4	RPT_SRBSYNCWORD	
					Used to control the scheduling of the Page Release SRB routine. If 0, the SRB has not been scheduled. If nonzero, the SRB has been scheduled.
24	(18)	CHARACTER	136	*	Reserved
160	(A0)	CHARACTER	48	RPT_ENTRIES (*)	Resource Pool Table Entries

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	48	RPTE	Resource Pool Table Entry
0	(0)	CHARACTER	4	RPTE_CELLID	Control block acronym for the cells contained in this pool if allocated by type
0	(0)	CHARACTER	4	RPTE_SIZEID	Set to RPT_kBySize if cells in this pool are allocated by size
4	(4)	UNSIGNED	2	RPTE_CELLSIZE	
					Size of cell contained within this pool
6	(6)	UNSIGNED	1	RPTE_RPTE#	Index or number of this RPTE
7	(7)	BITSTRING	1	RPTE_FLAGS1	Work flags serialized by Compare and Swap.
		1...		RPTE_INACTIVEPEXBSQUEUED	
					Inactive PEXBs may exist on the RPTE Extent Queue
		.111 1111		*	Reserved
8	(8)	CHARACTER	8	RPTE_EXTENTQHDR	
					Doubleword Extent Queue Header. Serialized with Compare Double and Swap
8	(8)	ADDRESS	4	RPTE_EXTENTQ	Chain of in-use extents (PEXBs) in this pool. Serialized by Compare Double and Swap against the Extent Queue Header
12	(C)	UNSIGNED	4	RPTE_EXTENTQSWAPCNT	
					Control count to ensure the integrity of the swap operation when updating the ExtentQ. The current count must always be incremented by 1 and updated each time a Compare Double and Swap is performed against the queue.
16	(10)	SIGNED	4	RPTE_#EXTENTS	
					Total number of PEXBs in the entire pool. Serialized with Compare and Swap. Used by the dumping routines
20	(14)	CHARACTER	16	RPTE_BITMAPMODEL	
					Pre-initialized bitmap model to initialize the PEXB_Bitmap.
36	(24)	CHARACTER	12	*	Reserved
48	(30)	CHARACTER	0	RPTEEND	End of Resource Pool Table Entry

RPT Constants

Len	Type	Value	Name	Description
		Comment		
		General RPT related constants		
		End of Comment		
4	DECIMAL	6	RPT_KSQAPAGES	
4	DECIMAL	245	RPT_KSQA_SUBPOOL#	
4	DECIMAL	229	RPT_KGRS_SUBPOOL#	
4	CHARACTER	RPT	RPT_KID	
4	CHARACTER	SIZE	RPT_KBYSIZE	
1	DECIMAL	22	RPT_K#ENTRIES	Number of entries in the Resource Pool Table
		Comment		
		General RPTE related constants		
		End of Comment		
16	CHAR HEX	FFFFFFFFFFFFFFFF FFFFFFFFFFFFFFFF	RPTE_ALLONE	
4	DECIMAL	64	RPTE_KCELLSIZE64	
4	DECIMAL	128	RPTE_KCELLSIZE128	
4	DECIMAL	192	RPTE_KCELLSIZE192	
4	DECIMAL	256	RPTE_KCELLSIZE256	
4	DECIMAL	448	RPTE_KCELLSIZE448	
4	DECIMAL	672	RPTE_KCELLSIZE672	
4	DECIMAL	992	RPTE_KCELLSIZE992	
4	DECIMAL	2016	RPTE_KCELLSIZE2016	
4	DECIMAL	4032	RPTE_KCELLSIZE4032	
		Comment		
		The following constants define the number of cell pool entries in the RPT and the maximum number of PEXB pages that will be kept on the RPT inactive PEXB chain.		
		End of Comment		
4	DECIMAL	20	RPT_KINACTIVEPEXBLIMIT	The number of inactive PEXB pages on all the RPT extent queues and the RPT inactive PEXB queue that when exceed will cause SRB Delete-Release Inactive PEXB Processing to be scheduled.
		Comment		
		The following constants are sizes for the two types of workareas that GRS Storage Manager supports when requesting storage by type.		
		End of Comment		
2	DECIMAL	504	RPTTWKAS	SIZE OF A TINY WORK AREA
2	DECIMAL	4000	RPTHWKAS	SIZE OF A HUGE WORK AREA

RPT Constants

Len	Type	Value	Name	Description
		Comment		
		The following constants are the RPT index numbers for indexing the RPT entries when storage is request by control block type. A unique index value is associated with each type of control block that the GRS Storage Manager supports. These constants must match the ones defined in ISGSMPL. Whenever a new type index is added to the list of supported control block types, the RPT_kMaxTypeIndex constant must be appropriately set to the highest index value. Important note: The number of RPTE and order in the RPT must be kept in sync with the table used in ISGNASIM and ISGGREPR.		
		End of Comment		
1	DECIMAL	1	RPTQCB1I	INDEX FOR QCB WITH 24 BYTE RNAME
1	DECIMAL	2	RPTQCB2I	INDEX FOR QCB WITH 52 BYTE RNAME
1	DECIMAL	3	RPTQCB3I	INDEX FOR QCB WITH 256 BYTE RNAME
1	DECIMAL	4	RPTQELI	INDEX FOR QEL
1	DECIMAL	5	RPTQXBI	INDEX FOR QXB
1	DECIMAL	6	RPTQWBI	INDEX FOR QWB
1	DECIMAL	7	RPTPQCBI	INDEX FOR PQCB
1	DECIMAL	8	RPTMRBI	INDEX FOR MRB
1	DECIMAL	9	RPTCRBI	INDEX FOR CRB
1	DECIMAL	10	RPTLDEI	INDEX FOR LDE
1	DECIMAL	11	RPTLSCBI	INDEX FOR LSCB
1	DECIMAL	12	RPTHWKAI	INDEX FOR HUGE WORK AREA
1	DECIMAL	13	RPTTWKAI	INDEX FOR TINY WORK AREA
1	DECIMAL	13	RPT_KMAXTYPEINDEX	Maximum control block type index.
		Comment		
		THE FOLLOWING CONSTANTS ARE THE CONTROL BLOCK ACRONYMS FOR THE TYPE OF CELLS THAT THE GRS STORAGE MANAGER PROCESSES.		
		End of Comment		
4	CHARACTER	QCB	RPTQCBT	CONTROL BLOCK ACRONYM - QCB
4	CHARACTER	QEL	RPTQELT	CONTROL BLOCK ACRONYM - QEL
4	CHARACTER	QXB	RPTQXBT	CONTROL BLOCK ACRONYM - QXB
4	CHARACTER	QWB	RPTQWBT	CONTROL BLOCK ACRONYM - QWB
4	CHARACTER	HWKA	RPTHWKAT	CONTROL BLOCK ACRONYM FOR HUGE WORK AREA
4	CHARACTER	TWKA	RPTTWKAT	CONTROL BLOCK ACRONYM FOR TINY WORK AREA
4	CHARACTER	PQCB	RPTPQCBT	CONTROL BLOCK ACRONYM - PQCB
4	CHARACTER	MRB	RPTMRBT	CONTROL BLOCK ACRONYM - MRB
4	CHARACTER	CRB	RPTCRBT	CONTROL BLOCK ACRONYM - CRB
4	CHARACTER	LSCB	RPTLSCBT	CONTROL BLOCK ACRONYM - LSCB
4	CHARACTER	LDE	RPTLDET	CONTROL BLOCK ACRONYM - LDE
		Comment		
		The following constants are the RPT index numbers for indexing RPT entries that are for a particular cell size rather than a particular control block type.		
		End of Comment		
1	DECIMAL	14	RPT_KINDEXSIZE64	Index for 64-byte cells
1	DECIMAL	15	RPT_KINDEXSIZE128	Index for 128-byte cells
1	DECIMAL	16	RPT_KINDEXSIZE192	Index for 192-byte cells

Len	Type	Value	Name	Description
1	DECIMAL	17	RPT_KINDEXSIZE256	Index for 256-byte cells
1	DECIMAL	18	RPT_KINDEXSIZE448	Index for 448-byte cells
1	DECIMAL	19	RPT_KINDEXSIZE672	Index for 672-byte cells
1	DECIMAL	20	RPT_KINDEXSIZE992	Index for 992-byte cells
1	DECIMAL	21	RPT_KINDEXSIZE2016	Index for 2016-byte cells
1	DECIMAL	22	RPT_KINDEXSIZE4032	Index for 4032-byte cells
1	DECIMAL	22	RPT_KMAXSIZEINDEX	Maximum index by cell size

RPT Cross Reference

Name	Hex Offset	Hex Value
RPT	0	
RPT_#ENTRIES	5	
RPT_ENTRIES	A0	
RPT_HEADER	0	
RPT_ID	0	
RPT_INACTIVEPEXBCNT	10	
RPT_INACTIVEQ	8	
RPT_INACTIVEQHDR	8	
RPT_INACTIVEQSWAPCNT	C	
RPT_PAGERLSECTRLAREA	10	
RPT_SRBSYNCWORD	14	
RPTE	0	
RPTE_#EXTENTS	10	
RPTE_BITMAPMODEL	14	
RPTE_CELLID	0	
RPTE_CELLSIZE	4	
RPTE_EXTENTQ	8	
RPTE_EXTENTQHDR	8	
RPTE_EXTENTQSWAPCNT	C	
RPTE_FLAGS1	7	
RPTE_INACTIVEPEXBSQUEUED	7	80
RPTE_RPTE#	6	
RPTE_SIZEID	0	
RPTEEND	30	

RQE Heading Information

Common Name: EXCP Request Queue Element
Macro ID: IECDRQE
DSECT Name: RQE
Owning Component: Execute Channel Program Processor (SC1C6)
Subpool and Key: 226 and key 0 (Residence - below 16M line)
Size: 56 bytes
Created by: IECVEXCP, EXCP processor
Pointed to by: ASXBFRQE field of the ASXB data area
ASXBLRQE field of the ASXB data area
IOSUSE field of the IOSB data area
RQELNK field of the RQE data area
RRQFIRST field of the RRQ data area
RRQLAST field of the RRQ data area
Serialization: Local lock
Function: Used by the EXCP processor to describe an I/O request, record its progress, and contain the addresses of associated control blocks. Also used by EXCP to queue related I/O requests on the data extent block (DEB), and by the stage II and III exit effectors to schedule asynchronous processing on behalf of a channel-end or abnormal-end appendage.

RQE Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	RQE	
0	(0)	ADDRESS	4	RQEUCB	Address of the Unit Control Block
4	(4)	ADDRESS	4	RQEIOB	Address of the Input-Output Block
8	(8)	ADDRESS	4	RQEDEB	Address of the Data Extent Block
12	(C)	ADDRESS	4	RQETCB	ADDRESS of the Task Control Block
16	(10)	BITSTRING	16	RQEVIOWK (0)	Area used by VIO as a work area - valid with RQEVAM bit set
16	(10)	ADDRESS	4	RQETCCW	Address of Translation Control block
20	(14)	ADDRESS	4	RQENRQE	Address of the next RQE on Related Request chain (RRQ)
24	(18)	ADDRESS	4	RQERRQ	Address of Related Request Queue
28	(1C)	ADDRESS	4	RQESRB	Address of SRB/IOSB block
32	(20)	ADDRESS	4	RQEIPIB	Address of Purge IPIB
		Comment			
		BIT SETTINGS FOR RQEPRT			
		End of Comment			
36	(24)	BITSTRING	1	RQEPRT	Protect key from SVC old PSW (BITS 0-3) and flags(4-7)
		1111		RQEPKEY	"X'F0'" Protect key - bits 0-3
		.... 1...		RQEPRT4R	"X'08'" BIT4 - reserved
		.... .1..		RQEPRT5R	"X'04'" BIT5 - reserved
		.... ..1.		RQEK0BYP	"X'02'" BIT6 - SAM-E request
		1		RQEPRT7R	"X'01'" BIT7 - reserved
		Comment			
		BIT SETTINGS FOR RQETYPE			
		End of Comment			
37	(25)	BITSTRING	1	RQETYPE	Request type flags----------
		1...		RQE114	"X'80'" . EXCPVR request
		.1..		RQEVIRT	"X'40'" . Virtual EXCP request
		..1.		RQE1TO1	"X'20'" . Virtual equal real request

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RQE Cross Reference

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		RQEVAM	"X'10'" . VIO RQE request
		.... 1...		RQEEOEE	"X'08'" . End-of-Extent-error, to be purged
		.... .1..		RQEDIE	"X'04'" . EXCP DIE go to PCI appendage
		11		RQERRTYP	"X'03'" . Related request flags.....
		11		RQETYP3	"X'03'" . . Related request type 3
		.... ..1.		RQETYP2	"X'02'" . . Related request type 2
		1		RQETYP1	"X'01'" . . Related request type 1
		Comment			
		BIT SETTINGS FOR RQEFLAG2			
		End of Comment			
38	(26)	BITSTRING	1	RQEFLAG	RQE flag byte----------
		1...		RQERETRY	"X'80'" . Retry requested by appendage
		.1..		RQENOPST	"X'40'" . No post requested
		..1.		RQENOFRE	"X'20'" . Dont free RQE
		...1		RQEFIXST	"X'10'" . Fix process has been started or completed, unfixing required
		.... 1...		RQESTBL	"X'08'" . This request is startable - that is all fixing and translation is done
		.... .1..		RQESRBS	"X'04'" . SRB scheduled for this RQE
		.... ..1.		RQEPURGE	"X'02'" . RQE undergoing purge
		1		RQECHEAC	"X'01'" . Channel end appendage complete
		Comment			
		BIT SETTINGS FOR RQEFLAG3			
		End of Comment			
39	(27)	BITSTRING	1	RQEFLAG3	RQEFLAG3 flag byte----------
		1...		RQEINIOS	"X'80'" . Request sent to IOS via STARTIO
		.1..		RQEPCEDE	"X'40'" . PCI DIE with CE/DE
		..1.		RQEXDERP	"X'20'" . DASD ERP is caller of extent check routine
		...1		RQESMFCT	"X'10'" . SMFIOCNT macro invoked
		.... 1...		RQEACDCT	"X'08'" . Indicate to accumulate DCTI
		.... .1..		RQEPSDCT	"X'04'" . Pass DCTI count to SAM-E
		.... ..1.		RQEFLG6R	"X'02'" . Bit 6 - reserved
		1		RQEXCPS	"X'01'" . CPS exit exists
40	(28)	ADDRESS	4	RQEDCTI	Counter used to accumulate DCTI
44	(2C)	ADDRESS	4	RQEIOBE	Address of the IOB extension
48	(30)	ADDRESS	4	RQEUPSW	Contents of RBOPSW containing the caller's address following the EXCP SVC.
52	(34)	ADDRESS	4	RQERQEX	Address of the RQE extension.
52	(34)	X'38'	0	RQEBL	"*-RQE" RQE block length

RQE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
RQE	0		RQEIOBE	2C	
RQEACDCT	27	8	RQEIPIB	20	
RQEBL	34	38	RQEK0BYP	24	2
RQECHEAC	26	1	RQENOFRE	26	20
RQEDCTI	28		RQENOPST	26	40
RQEDEB	8		RQENRQE	14	
RQEDIE	25	4	RQEPCEDE	27	40
RQEEOEE	25	8	RQEPKEY	24	F0
RQEFIXST	26	10	RQEPRT	24	
RQEFLAG	26		RQEPRT4R	24	8
RQEFLAG3	27		RQEPRT5R	24	4
RQEFLG6R	27	2	RQEPRT7R	24	1
RQEINIOS	27	80	RQEPSDCT	27	4
RQEIOB	4		RQEPURGE	26	2

Name	Hex Offset	Hex Value
RQERETRY	26	80
RQERQEX	34	
RQERRQ	18	
RQERRTYP	25	3
RQESMFCT	27	10
RQESRB	1C	
RQESRBS	26	4
RQESTBL	26	8
RQETCB	C	
RQETCCW	10	
RQETYPE	25	
RQETYP1	25	1
RQETYP2	25	2
RQETYP3	25	3
RQEUCB	0	
RQEUPSW	30	
RQEVAM	25	10
RQEVIOWK	10	
RQEVIRT	25	40
RQEXCPS	27	1
RQEXDERP	27	20
RQE1TO1	25	20
RQE114	25	80

RRPA Heading Information

Common Name: SYSTEM RESOURCES MANAGER RECOVERY ROUTINE PARAMETER AREA
Macro ID: IRARRPA
DSECT Name: RRPA
Owning Component: System Resources Manager (SC1CX)
Eye-Catcher ID: RRPA
Offset: 0
Length: 4
Storage Attributes: Main Storage: YES
Virtual Storage: Common
Auxiliary Storage: No
Subpool: Nucleus or subpool 245
Key: 0
Data Space: No
Residency: Above 16M line
Size: 48
Created by: Recovery Termination Manager
Pointed to by: Register 3 in SRM
Serialization: Disablement (CPU or SRM locks obtained by SRM)
Function: - THE RRPA IDENTIFIES THE INVOCATION THAT RESULTED IN SYSTEM RESOURCES MANAGER PROCESSING, AND SPECIFIES THE INTERNAL ROUTINE CURRENTLY IN CONTROL. THE RRPA PRESERVES STATUS FOR EXIT FROM THE SYSTEM RESOURCES MANAGER.

RRPA Map

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	48	RRPA	
0	(0)	CHARACTER	4	RRPANAME	BLOCK INDENTIFICATION - 'RRPA'
4	(4)	ADDRESS	4	RRPA_STACKEND	Used for stack overflow checks. 7FFFFFFF no-ops checking.
8	(8)	CHARACTER	4	RRPAINC	REGISTER 0 AT ENTRY
8	(8)	BITSTRING	2	RRPAASD	ASID FOR ORIGINAL ENTRY
		1...		RRPAENCLAVEIDENTIFIER	High order bit being on in the identifier indicates an enclave ID
8	(8)	BITSTRING	1	*	Identifier
10	(A)	BITSTRING	1	RRPAFLG0	FLAG BYTE
		1...		RRPANSWI	=1 FOR MEMDEL TYPE=NOSWIN
		1...		RRPAINTV	=1 FOR REQPGDAT TYPE=INTERVAL
		1...		RRPABYTE	=1 FOR STGTEST TYPE=BYTE
		.111 111.		*	UNUSED BY MEMDEL
11	(B)	ADDRESS	1	RRPACOD	ORIGINAL ENTRY SYSEVENT CODE
12	(C)	ADDRESS	4	RRPAINP	INPUT PARAMETER ADDRS
12	(C)	CHARACTER	4	RRPAVLU	INPUT PARAMETER VALUE
16	(10)	BITSTRING	2	RRPAFLG	ROUTINE STATUS FLAGS
		1...		RRPADSB	ORIGINAL ENTRY DISABLED BR
		.1..		RRPAENB	ORIGINAL ENTRY ENABLED BR
		..1.		RRPASVC	ORIGINAL ENTRY VIA SVC
		...1		RRPADSP	DISPATCHING REQUIRED
		.... 1...		RRPACHM	CHAN MEAS UPDATE IN CONTROL
		.... .1..		RRPACPULOCK_ON_SRMLOCKSTACK	CPU lock held - using SRM locked stack - may not call anyone who would reenter srm unless srm lock obtained first
		.... ..1.		RRPAOPT	SRM LOCK CURRENTLY HELD

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RRPA Cross Reference

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
		1		RRPASRV	SERVICE ROUTINE (SEE DEPENDENCY SECTION IN PROLOG)
17	(11)	1...		RRPARSM	SET WHEN SRM CALLS RSM SO THAT DURING RECOVERY SRM WILL NOT RETRY
		.1..		RRPAWAR	WORKLOD ACTIVITY RTNE CURRENT
		..1.		RRPAIPS	SET RTNE CURR
		...1		RRPACHP	FIP OR SET CHAP CALL
		.... 1...		RRPACTL	INVOKE IRARMCTL FOR 2ND FAIL
		.... .1..		RRPARTI	RECOVERY TERMINATE INDICATOR
		.... ..1.		RRPARFI	RECOVERY FAILURE INDICATOR
		1		RRPARCI	RECURSION INDICATOR
18	(12)	CHARACTER	1	RRPAKEY	ORIGINAL ENTRY PROTECT KEY
19	(13)	ADDRESS	1	RRPARTC	RETURN CODE FOR FINAL EXIT
20	(14)	UNSIGNED	4	RRPATOD	TIME OF DAY AT ENTRY
24	(18)	ADDRESS	4	RRPAFPT	STACK FRAME POINTER
28	(1C)	ADDRESS	4	RRPAEPA	RMEP ADDR OF RTNE IN CONTROL
32	(20)	ADDRESS	4	RRPA_UICTOKEN	If non-zero, UIC update is currently running
36	(24)	BITSTRING	1	RRPAFLG1	MORE CURRENT STATUS
		1...		RRPAWLM	SRM has called WLM
		.1..		RRPATOUCHINGSSRB	Referencing an SSRB while unserialized. 0C4 is possible, no dump should be taken.
		..1.		RRPAREFESMB	Running ESMB tree, rebuild trees if recovery entered
		...1		RRPACALLGR	Global recovery should be called if an abend occurs
		.... 1...		*	reserved
		.... .1..		*	reserved
		.... ..1.		*	reserved
		1		*	reserved
37	(25)	CHARACTER	1	RRPARSVC	reserved
38	(26)	SIGNED	2	RRPARSVH	reserved
40	(28)	CHARACTER	8	RRPARSV	RESERVED
48	(30)	CHARACTER	0	RRPAEND	END OF RRPA End of this block

RRPA Cross Reference

Name	Hex Offset	Hex Value
RRPA	0	
RRPA_STACKEND	4	
RRPA_UICTOKEN	20	
RRPAASD	8	
RRPABYTE	A	80
RRPACALLGR	24	10
RRPACHM	10	08
RRPACHP	11	10
RRPACOD	B	
RRPACPULOCK_ON_SRMLOCKSTACK	10	04
RRPACTL	11	08
RRPADSB	10	80
RRPADSP	10	10
RRPAENB	10	40
RRPAENCLAVEIDENTIFIER	8	80
RRPAEND	30	
RRPAEPA	1C	
RRPAFLG	10	
RRPAFLG0	A	
RRPAFLG1	24	
RRPAFPT	18	
RRPAINC	8	
RRPAINP	C	
RRPAINTV	A	80
RRPAIPS	11	20
RRPAKEY	12	
RRPANAME	0	
RRPANSWI	A	80
RRPAOPT	10	02
RRPARCI	11	01
RRPAREFESMB	24	20
RRPARFI	11	02
RRPARSM	11	80
RRPARSV	28	
RRPARSVC	25	
RRPARSVH	26	
RRPARTC	13	
RRPARTI	11	04
RRPASRV	10	01
RRPASVC	10	20
RRPATOD	14	
RRPATOUCHINGSSRB	24	40
RRPAVLU	C	
RRPAWAR	11	40
RRPAWLM	24	80

RSA Heading Information

Common Name: RING SYSTEM AUTHORITY MESSAGE
Macro ID: ISGRSA
DSECT Name: RSA

RSAIRCD

RSADINFO
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: RSA
Offset: 0
Length: 4
Storage Attributes: Subpool: 229 IN GRS ADDRESS SPACE
Key: 0
Size: 4088 BYTES FOR A MAINRING RSA
64 BYTES FOR A NON-MAINRING RSAIRCD
Created by: ISGBTC
Pointed to by: The RSA is addressable from the RSV.
THE GCB FOLLOWING EACH RSL POINTS AT A BUFFER (THE CONTENTS OF WHICH IS A RSAIRCD) SENT AND RECEIVED VIA THAT RSL.
Serialization: The mainring RSA is serialized by a field in the RSV.
A RSAIRCD OWNED BY A RSL IS SERIALIZED BY RSLWLOCK IN THAT RSL.
Function: COMMUNICATE GLOBAL ENQ/DEQ/RESERVE REQUESTS AND GRS COMMANDS AMONG GRS SYSTEMS. ALSO, BY ITS PRESENCE AT A SYSTEM, CONFER UPON THAT SYSTEM THE AUTHORITY TO REQUEST THAT GRS RESOURCES BE OBTAINED OR RELEASED.

RSA Map

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	24	RSA	RSA MESSAGE
0	(0)	CHARACTER	24	RSAMRPFX	RSA MAINRING HEADER
0	(0)	CHARACTER	4	RSAID	EBCDIC ID RSA
4	(4)	BITSTRING	1	RSAMRFLG	MAINRING FLAGS
		1...		RSAFURC	UNRECEIVED-COMMAND BIT. IF 1, THE RSA CONTAINS A MAINRING COMMAND FROM ISGBCI
		.1..		RSAFBKQW	BLOCK-QWB BIT. IF 1, NO SYSTEM CAN PLACE A QWB IN THE MAINRING RSA. SET ONLY BY THE SYSTEM THAT SET RSAFURC.
		..1.		RSAFRQSR	REQUEST-SPANNING-RSA BIT. IF 1, THIS RSA CONTAINS AN INCOMPLETE REQUEST SO NO SYSTEM CAN PLACE A QWB IN THE MAINRING RSA UNTIL THE REQUEST IS COMPLETE. SET BY THE SYSTEM THAT PLACED INCOMPLETE REQUEST IN THE RSA
		...1 1111		*	RESERVED
5	(5)	CHARACTER	7	RSARCP	TOKEN AND SEQUENCE NUMBER
5	(5)	CHARACTER	3	RSARCTOK	RING-CREATION TOKEN
8	(8)	SIGNED	4	RSARCSEQ	SEQUENCE-NUMBER
12	(C)	SIGNED	2	RSAQWBCT	NUMBER OF QWB"S AND QWB-EXTENSIONS IN RSA

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Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
14	(E)	SIGNED	2	RSALNCA	LENGTH OF COMMAND-AREA THAT FOLLOWS RSADATA
16	(10)	SIGNED	2	RSALNCQD	LENGTH OF CONTINUATION QWB-DATA, OR 0
18	(12)	UNSIGNED	1	RSATYPCA	COMMAND-TYPE IN COMMAND-AREA
19	(13)	UNSIGNED	1	RSASYSCP	COMMAND-PHASE TO BE EXECUTED BY MAINRING SYSTEMS. SEE RSAR1XXX CONSTANTS FOR POSSIBLE VALUES
20	(14)	UNSIGNED	1	RSASYS	SYSID OF SYSTEM THAT SET RSAFURC, OR 0
21	(15)	UNSIGNED	1	RSATRGCA	SYSID OF SYSTEM THAT IS TARGET OF COMMAND-AREA, OR 0 IF ALL MAINRING SYSTEMS ARE TARGET
22	(16)	CHARACTER	2	*	RESERVED
24	(18)	CHARACTER	0	RSADATA	COMMAND AREA OR QWB DATA

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	64	RSAIRCD	RSAIRCD. THIS MESSAGE MAY BE A CONTROL-INFORMATION RSAIRCD (RSAIID=RSAI) OR A COLLECT-RSA-RESPONSE RSAIRCD (RSAIID=RSAC)
0	(0)	CHARACTER	4	RSAIID	EBCDIC ID RSAI. VALUE IN A COLLECT-RSA-RESPONSE RSAIRCD IS RSAC.
4	(4)	BITSTRING	1	RSAIFLGS	STATUS FLAGS
		1...		RSAIFCPQ	COMMAND-PREVIOUSLY-QUEUED BIT. IF 1, THE SYSTEM THAT SENT THIS COMMAND IS RE-SENDING A COMMAND THAT WAS PREVIOUSLY QUEUED AND HAS NOT YET EXECUTED.
		.1..		RSAIFIDR	IDENTITY-REQUESTED BIT. IF 1, THE SYSTEM THAT SENT THIS RSAIRCD IS REQUESTING THE IDENTITY OF THE RECEIVING SYSTEM
		..1.		RSAIFSRF	SEND-RSL-FUTURE BIT. IF 1, THE SYSTEM THAT SENT THIS RSAIRCD WILL SEND THE MAINRING RSA VIA THE SAME RSL
		...1		RSAIFRRF	RECEIVE-RSL-FUTURE BIT. IF 1, THE SYSTEM THAT SENT THIS RSAIRCD WILL EXPECT TO RECEIVE THE MAINRING RSA VIA THE SAME RSL
		.... 1...		RSAIFRQP	REQUEST PERMISSION TO STARTPOP
		.... .1..		RSAIFACK	ACK-TAP RSAIRCD. RSA WAS RECEIVED AND VALIDATED BY THIS SYSTEM. RSAIMRSC HAS THE SEND-COUNT OF THE RECEIVED RSA.
		11		*	RESERVED
5	(5)	UNSIGNED	1	RSARRSP1	PHASE-NUMBER. FOR VALUES OF RSARRSP1 AND REASONS, SEE THE CONSTANTS THAT ARE NAMED RSAR1XXX
6	(6)	UNSIGNED	2	RSACCMDC	COMMAND-COUNT. ID OF A COMMAND SENT IN RSAIRCD, OR 0
8	(8)	UNSIGNED	2	RSARCMDC	RESPONSE COMMAND-COUNT. ID OF COMMAND THAT TRIGGERED RESPONSE, OR 0
10	(A)	BITSTRING	1	RSAIFLG2	STATUS FLAGS 2
10	(A)	UNSIGNED	1	RSAICLD	LENGTH OF RSA-DATA. VALID ONLY IN A COLLECT-RSA-RESPONSE RSAIRCD. RSAICLD OF ZERO APPEARS ONLY IN AN END-OF-DATA RSAIRCD.
		1...		RSAIFNMD	NEW-MAINRING-DISCOVERED BIT. IF 1, THE SYSTEM SENDING THIS RSAIRCD HAS SEEN A MAINRING TOKEN NEWER THAN THE TOKEN IN RSAIMRTK. VALID ONLY IF RSACTBIX HAS A VALUE OF RSACTBIZ (=0).
		.111 1111		*	RESERVED
11	(B)	UNSIGNED	1	RSACTBIX	REQUESTED TABLE-INDEX. INDEX OF RSVENTY ENTRY THAT MUST BE PLACED IN FIELD RSAITBID, OR END-OF-DATA INDICATOR, OR COLLECT-RSA-RESPONSE INDICATOR. USED TO REQUEST RSVENTY INFORMATION FROM SOME OTHER SYSTEM. FOR VALUES OF RSACTBIX AND REASONS, SEE THE NAMED CONSTANTS THAT BEGIN WITH LETTERS RSACTBI.

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
12	(C)	CHARACTER	48	RSAICRDA	COLLECT-RSA DATA. VALID ONLY IN A COLLECT-RSA-RESPONSE RSAIRCD THAT IS NOT END-OF-DATA
12	(C)	CHARACTER	20	RSAITBID	TABLE SYSTEM ID. HAS SAME FORMAT AS RSVESNID.
12	(C)	CHARACTER	20	RSAISNID	SECTION OF RSAIRCD THAT IDENTIFIES SENDER. HAS SAME FORMAT AS RSVESNID. VALID ONLY IN A CONTROL-INFORMATION RSAIRCD THAT IS NOT END-OF-DATA.
12	(C)	CHARACTER	8	RSAISYNM	SYSNAME OF SYSTEM
20	(14)	SIGNED	4	RSAISYTK	TOKEN OF SYSTEM
20	(14)	SIGNED	4	RSAICSC	SEND-COUNT OF COLLECTED RSA. VALID ONLY IN AN END-OF-DATA RSAIRCD.
24	(18)	CHARACTER	1	*	RESERVED
25	(19)	UNSIGNED	1	RSAISYID	SYSID OF SYSTEM
26	(1A)	BITSTRING	1	RSAIMNRF	MAINRING FLAG. IF FF, THE NAMED SYSTEM IS IN THE MAINRING
27	(1B)	BITSTRING	1	RSAIUQDF	UPTODATE-QEL-DATA FLAG AND INITIATE-RESTART-ABILITY FLAG
		1...		RSAIUUDF	UPTODATE-QEL-DATA FLAG. IF 1, THE NAMED SYSTEM HAS UPTODATE QEL DATA
		.1..		RSAIUNRF	NO-RESTART FLAG. IF 1, THIS SYSTEM CANNOT INITIATE AUTO RESTART
		..1.		RSAIFNXS	When off, XCF system. When on, non-XCF system
		...1 1111		*	RESERVED
28	(1C)	SIGNED	4	RSAIMRTL	SEQUENCE-NUMBER OF LAST MAINRING RSA SENT BY THE NAMED SYSTEM BEFORE IT LEFT THE MAINRING, OR ZERO
32	(20)	CHARACTER	8	RSAIMRTK	CURRENT MAINRING TOKEN

Comment

@P2D

End of Comment

40	(28)	SIGNED	4	RSACREST	MAINRING RSA RESIDENCE TIME THAT WILL BE USED BY SENDING SYSTEM AFTER IT IS IN MAINRING. VALID IF RSAIRCD IS FROM A SYSTEM PERFORMING SENDCMD-RSCRADDS, AND PHASE-NUMBER RSARRSP1 IS LESS THAN RSAR1ATP
40	(28)	SIGNED	4	RSACAMRC	MAINRING CYCLE-TIME PASSED TO AN ADDSYS TARGET. VALID IF RSAIRCD IS SENT FROM A SYSTEM PERFORMING ADDSYS TO A SYSTEM PERFORMING SENDCMD-RSCRADDS, AND PHASE-NUMBER RSARRSP1 = RSAR1ATP AND RSACTBIX = 0
44	(2C)	SIGNED	4	RSARMRFT	MAINRING FAILURE TOKEN. SENT TO TARGET OF AN ADDSYS, WHEN ADDSYS IS USED TO BRING A SYSTEM INTO A NEW MAINRING AFTER A MAINRING FAILURE. INFORMS ADDSYS TARGET WHAT WAS LAST MAINRING RSA RECEIVED BEFORE THE PREVIOUS MAINRING FAILURE
48	(30)	SIGNED	2	*	RESERVED
50	(32)	CHARACTER	10	RSACDATA	COMMAND DATA OR AUTO RESTART PERMISSION DATA
50	(32)	UNSIGNED	1	RSACTYPE	COMMAND-TYPE OR COLLECT-RSA INDICATOR. IGNORED IF RSACCMDC IS ZERO OR RSAIFRQP IS ON. OR RSAIRCD IS A COLLECT-RSA RESPONSE. VALID VALUES ARE GIVEN BY NAMED CONSTANTS RSAICVXX, WHERE XX IS A NUMBER. VALUE OF 3 IS A VARY-RESTART COMMAND. VALUE OF 1 IS A COLLECT-RSA REQUEST.
50	(32)	BITSTRING	1	RSAPFLGS	FLAGS USED IN RESPONSE TO A REQUEST FOR PERMISSION TO PERFORM AUTO RESTART.
		1...		RSAPFPRM	PERMISSION FLAG. IF 1, THE SYSTEM IS GRANTING PERMISSION TO THE SYSTEM REQUESTING PERMISSION

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
		.1..		RSAPFSYN	VALID SYSNAME FLAG. IF 1, RSAPSYNM HAS THE NAME OF A SYSTEM THAT WAS PREVIOUSLY GIVEN PERMISSION OR IS EXPECTED TO INITIATE AUTO RESTART
		..1.		RSAPFNPG	NULL PERMISSION GRANT FLAG. SET TO 1 BY A SYSTEM THAT CAN NEITHER GRANT NOR DENY PERMISSION TO INITIATE AUTO RESTART
		...1		RSAPQMT	Process Queues on all systems are verified as empty during the SaveQWBs command, Drain_QWBs phase. If any system has QWBs that it has not processed yet, it will turn off this flag and the phase will be repeated.
		 1111		*	RESERVED
51	(33)	BITSTRING	1	RSACRSOP	CRBRSOPT OF CRB
52	(34)	CHARACTER	8	RSACSYNM	CRBSYSNM OF CRB
52	(34)	CHARACTER	8	RSAPSYNM	NAME OF SYSTEM THAT RECEIVED PERMISSION TO DO AUTO RESTART OR IS EXPECTED TO INITIATE AUTO RESTART. VALID ONLY IF RSAPFSYN IS 1. SET ZERO IF AN ACTIVE SYSTEM IS KNOWN TO EXIST.
60	(3C)	SIGNED	4	RSAIMRSC	MAINRING-SEND-COUNT. VALUE OF RSVRSASC WHEN THIS RSAIRCD WAS SENT. VALID WHEN RSARCMDC HAS A VALUE OF RSARRSCV (=0100 HEX).
60	(3C)	SIGNED	4	RSAITOL	VALUE OF GVTOLINT USED IN SETTING RSVMRCYC. VALID WHEN FIELD RSARRSP1 HAS VALUE RSAR1ATP (=27) OR RSAR1ATU (=28).
60	(3C)	SIGNED	4	RSAIRCDD	COLLECT-RSA REQUEST DATA DISPLACEMENT. VALID WHEN FIELD RSACTYPE HAS VALUE RSAICV01 (=01) OR RSAIRCD IS A COLLECT-RSA RESPONSE (RSAIID=RSAC).
64	(40)	CHARACTER	0	RSAIEND	

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	64	RSADINFO	INFORMATION THAT APPEARS IN THE RSADATA SECTION OF THE RSA DURING ADDSYS/SUBSYS/ETC IF THE PHASE-NUMBER IS RSAR1NSN OR RSAR1SMP OR RSAR1VTU.
0	(0)	CHARACTER	4	RSADVSTR	VALIDATION-STRING. APPEARS IF THE PHASE NUMBER IS RSAR1NSN AND THE ADDSYS/SUBSYS IS BEING EXECUTED BY A SYSTEM THAT GENERATES PHASE RSAR1SMP. ALWAYS SET TO ' RCD'. RSADVSTR WILL NOT BE EQUAL TO ' RCD' IF THE ADDSYS/SUBSYS IS BEING EXECUTED BY A SYSTEM THAT DOES NOT USE GETCCS/RELCCS.
0	(0)	UNSIGNED	1	RSADVETO	VETO-FLAG. APPEARS IF THE PHASE NUMBER IS RSAR1VTU. SET NON-ZERO IF SOME SYSTEM VETOES THE ADVANCE TO THE NEXT PHASE.
1	(1)	CHARACTER	3	RSADRSV1	BYTES SKIPPED TO ENSURE A WORD ALIGNMENT.
4	(4)	SIGNED	4	RSADCISC	COMMAND-INITIATE SEND-COUNT. APPEARS ONLY IF RSADVSTR IS VALID. THE VALUE OF RSARCSEQ THAT APPEARED IN THE RSA WHEN THE CURRENT COMMAND WAS INITIATED. USED ONLY FOR DEBUGGING AND TRACKING.
8	(8)	CHARACTER	8	RSADCISN	COMMAND-INITIATE SYSTEM-NAME. APPEARS ONLY IF RSADVSTR IS VALID. THE VALUE OF THE SYSNAME THAT WAS BROADCAST IN PHASE RSAR1MRB OF THE CURRENT COMMAND. USED ONLY FOR DEBUGGING AND TRACKING.
16	(10)	CHARACTER	8	RSADCCSN	SYSNAME OF THE SYSTEM THAT HOLDS THE CCS-RESOURCE. APPEARS ONLY IF RSADVSTR IS VALID.
24	(18)	SIGNED	4	RSADCCSI	ID OF THE COMMAND THAT HOLDS THE CCS-RESOURCE. APPEARS ONLY IF RSADVSTR IS VALID. TAKEN FROM THE RSVNMRCC VALUE THAT WAS GENERATED FOR THE GETCCS.

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
28	(1C)	UNSIGNED	1	RSADSYCT	COUNT OF REMOTE SYSTEMS IN THE MAINRING. USED TO DETERMINE HOW MANY SYSTEMS ADJUSTED RSADQWBC AND RSADBFSZ
29	(1D)	UNSIGNED	1	RSADQWBC	QWB COMPRESSION-LEVEL. USED TO DETERMINE WHAT COMPRESSION- LEVEL SHOULD BE USED BY SYSTEMS IN THE MAINRING
30	(1E)	SIGNED	4	RSADBFSZ	RSA BUFFER-SIZE. USED TO DETERMINE WHAT RSA-SIZE SHOULD BE USED BY SYSTEMS IN THE MAINRING
34	(22)	UNSIGNED	1	RSADTHRS	THRESHOLD VALUE TO BE PROPAGATED TO ALL SYSTEMS IN THE MAINRING.
35	(23)	UNSIGNED	1	RSADSYLC	COUNT OF SYSTEMS IN THE MAINRING, OR ZERO. THIS ALSO TELLS HOW MANY ENTRIES APPEAR IN STRUCTURE RSADSYSL.
36	(24)	CHARACTER	28	RSADRSV9	RESERVED. APPEARS ONLY IF RSADVSTR IS VALID. SET TO ZERO IN PHASE RSAR1NSN.
64	(40)	CHARACTER	0	RSADEND	END OF FIXED-LENGTH PART OF RSAD. STRUCTURE RSADSYSL BEGINS AT THIS ADDRESS IF RSADSYLC IS NON-ZERO.

RSA Constants

Len	Type	Value	Name	Description
		Comment		
		VALID VALUES OF RSACTBIX		
		End of Comment		
1	DECIMAL	0	RSACTBIZ	VALUE FOR RSACTBIX WHICH INDICATES RSAISNID DESCRIBES THE SYSTEM WHICH SENT THE RSAIRCD.
1	DECIMAL	254	RSACTBIC	VALUE FOR RSACTBIX WHICH INDICATES RSAIRCD IS A COLLECT-RSA-RESPONSE RSAIRCD.
1	DECIMAL	255	RSACTBIE	VALUE FOR RSACTBIX WHICH INDICATES END-OF-DATA CONTROL-INFORMATION RSAIRCD OR END-OF-DATA COLLECT-RSA-RESPONSE.
		Comment		
		VALID VALUES OF RSACTYPE		
		End of Comment		
1	DECIMAL	1	RSAICV01	VALUE FOR RSACTYPE WHICH INDICATES RSAIRCD IS A COLLECT-RSA REQUEST.
1	DECIMAL	3	RSAICV03	VALUE FOR RSACTYPE WHICH INDICATES RSAIRCD CONTAINS A VARY-RESTART OR JOIN COMMAND. NOTE THIS IS THE SAME VALUE AS CONSTANT CRBRSTRQ IN THE CRB MAPPING MACRO.
		Comment		
		VALID VALUES OF RSARRSP1 AND RSVCPHNO		
		End of Comment		
1	DECIMAL	1	RSAR1CNQ	COMMAND NOW QUEUED. COMMAND WAS RECEIVED AND QUEUED DUE TO THIS RSAIRCD
1	DECIMAL	2	RSAR1CPQ	COMMAND PREVIOUSLY QUEUED. COMMAND WAS RECEIVED IN A PREVIOUS RSAIRCD AND QUEUED, BUT HAS NOT YET BEEN EXECUTED

RSA Constants

Len	Type	Value	Name	Description
1	DECIMAL	3	RSAR1CPF	COMMAND PREVIOUSLY FAILED. COMMAND FAILED DURING EXECUTION, AND THIS SYSTEM IS NOW REPORTING THE FAILURE TO THE REMOTE SYSTEM
1	DECIMAL	4	RSAR1CNS	COMMAND NOT SUPPORTED. COMMAND HAS AN INVALID FORMAT
1	DECIMAL	5	RSAR1CNO	COMMAND ROUTER NOT OPERATIONAL. THIS SYSTEM WILL NOT ACCEPT COMMANDS.
1	DECIMAL	8	RSAR1MRB	MAINRING-BROADCAST PHASE. MAINRING RSA CONTAINS RSVENTY UPDATE INFORMATION
1	DECIMAL	9	RSAR1NCC	NEIGHBOR-CHECK-COMPLETION PHASE. EACH MAINRING SYSTEM MUST REPORT WHETHER IT COMPLETED PROCESSING REQUESTED IN PHASE RSAR1MRB. THIS PHASE MAY BE REPEATED.
1	DECIMAL	10	RSAR1PMC	PROPOSED-MAINRING CONFIGURATION PHASE. MAINRING RSA CONTAINS A PROPOSED MAINRING CONFIGURATION. EVERY MAINRING SYSTEM MUST REPORT WHETHER IT HAS LINKS TO ITS NEIGHBORS IN THE PROPOSED CONFIGURATION
1	DECIMAL	11	RSAR1MCC	MAINRING CONFIGURATION CHOSEN PHASE. MAINRING WILL HAVE THE CONFIGURATION DESCRIBED IN THE PREVIOUS RSAR1PMC RECORD. EACH MAINRING SYSTEM MUST SEND AN RSAIRCD TO A NEIGHBOR IN THE FUTURE MAINRING.
1	DECIMAL	12	RSAR1MCQ	MAINRING CONFIGURATION QUERY PHASE. EACH MAINRING SYSTEM IN THE NEW MAINRING MUST REPORT WHETHER IT HAS DETERMINED WHAT RSL"S WILL BE USED IN THE FUTURE MAINRING. THIS PHASE MAY BE REPEATED.
1	DECIMAL	26	RSAR1TPI	TARGET PROCESSING INITIATION PHASE. THE TARGET OF ADDSYS WILL RECEIVE RESPONSIBILITY TO ADVANCE ADDSYS PHASE WHEN ITS NEXT RSAIRCD ARRIVES AT SYSTEM PERFORMING ADDSYS
1	DECIMAL	27	RSAR1ATP	ADDSYS TARGET PROCESSING PHASE. THE TARGET OF ADDSYS WILL ADVANCE ADDSYS TO THE NEXT PHASE AFTER IT HAS UPDATED ITS RSVENTY TABLES
1	DECIMAL	28	RSAR1ATU	ADDSYS TARGET TABLES UPDATED PHASE. THE TARGET OF ADDSYS HAS COPIED RSVENTY TABLE OF SYSTEM PERFORMING ADDSYS
1	DECIMAL	29	RSAR1CTB	CYCLE-TIME BROADCAST PHASE. THE MAINRING RSA CONTAINS MAINRING CYCLE-TIME INFORMATION. THIS PHASE MAY BE REPEATED.
1	DECIMAL	30	RSAR1NSO	SEND LAST RSA IN OLD MAINRING
1	DECIMAL	31	RSAR1NSN	SEND FIRST RSA IN NEW MAINRING
1	DECIMAL	32	RSAR1SMP	SET MAINRING PARAMETERS. THIS PHASE IS SKIPPED IF ADDSYS/SUBSYS/ETC IS DONE BY A SYSTEM THAT DOES NOT USE GETCCS/RELCCS.
1	DECIMAL	33	RSAR1VTU	VERIFY-TABLE-UPDATE PHASE. EVERY MAINRING SYSTEM WILL REPORT WHETHER IT HAS UPDATED ITS RSVENTY TABLE. THIS PHASE MAY BE REPEATED.
1	DECIMAL	35	RSAR1CTU	CANCEL-TABLE-UPDATE PHASE. SHOWS THAT ADDSYS OR SUBSYS CANNOT BE COMPLETED AND MUST BE BACKED OUT.
2	HEX	0100	RSARRSCV	VALUE FOR RSARCMDC IF THE RSAIRCD CONTAINS A VALID RSA SEND COUNT IN RSAIMRSC

RSA Cross Reference

Name	Hex Offset	Hex Value
RSA	0	
RSACAMRC	28	
RSACCMDC	6	
RSACDATA	32	
RSACREST	28	
RSACRSOP	33	
RSACSYNM	34	
RSACTBIX	B	
RSACTYPE	32	
RSADATA	18	
RSADBFSZ	1E	
RSADCCSI	18	
RSADCCSN	10	
RSADCISC	4	
RSADCISN	8	
RSADEND	40	
RSADINFO	0	
RSADQWBC	1D	
RSADRSV1	1	
RSADRSV9	24	
RSADSYCT	1C	
RSADSYLC	23	
RSADTHRS	22	
RSADVETO	0	
RSADVSTR	0	
RSAFBKQW	4	40
RSAFRQSR	4	20
RSAFURC	4	80
RSAICLD	A	
RSAICRDA	C	
RSAICSC	14	
RSAID	0	
RSAIEND	40	
RSAIFACK	4	04
RSAIFCPQ	4	80
RSAIFIDR	4	40
RSAIFLGS	4	
RSAIFLG2	A	
RSAIFNMD	A	80
RSAIFNXS	1B	20
RSAIFRQP	4	08
RSAIFRRF	4	10
RSAIFSRF	4	20
RSAIID	0	
RSAIMNRF	1A	
RSAIMRSC	3C	
RSAIMRTK	20	
RSAIMRTL	1C	
RSAIRCD	0	
RSAIRCDD	3C	
RSAISNID	C	
RSAISYID	19	
RSAISYNM	C	
RSAISYTK	14	
RSAITBID	C	
RSAITOL	3C	
RSAIUNRF	1B	40
RSAIUQDF	1B	
RSAIUUDF	1B	80
RSALNCA	E	
RSALNCQD	10	
RSAMRFLG	4	
RSAMRPFX	0	
RSAPFLGS	32	
RSAPFNPG	32	20
RSAPFPRM	32	80
RSAPFSYN	32	40
RSAPQMT	32	10
RSAPSYNM	34	
RSAQWBCT	C	
RSARCMDC	8	
RSARCP	5	
RSARCSEQ	8	
RSARCTOK	5	
RSARMRFT	2C	
RSARRSP1	5	
RSASYS	14	
RSASYSCP	13	
RSATRGCA	15	
RSATYPCA	12	

RSRRB Heading Information

Common Name: RSM Real Storage Reconfiguration Block
Macro ID: IHARSRRB
DSECT Name: RSRRB
Owning Component: Real Storage Manager (SC1CR)
Eye-Catcher ID: None
Storage Attributes: Virtual Storage: Yes
Subpool: USER SPECIFIED.
Key: USER SPECIFIED.
Residency: USER SPECIFIED.
Size: 24 bytes
Created by: Vary Storage (CONFIG command)
Pointed to by: RSRRBPTR, RSRSTATP
Serialization: Not applicable (only one exists at one time)
Function: Contains information about a storage reconfiguration request.

RSRRB Map

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	28	RSRRB	REAL STORAGE RECONFIGURATION REQUEST BLOCK
0	(0)	CHARACTER	8	RSRSTR64	
				Comment	
				Starting real address (in 64-bit mode) of storage to be processed	
				End of Comment	
0	(0)	UNSIGNED	4	*	Reserved
4	(4)	SIGNED	4	RSRSTART	Starting real address (in 31-bit mode) of storage to be processed
8	(8)	ADDRESS	4	RSRECBP	POINTER TO ECB FOR RSR TO POST WHEN A VARY OFFLINE IS COMPLETE
12	(C)	ADDRESS	4	RSRFLAGP	POINTER TO STATUS BYTES' STORAGE
16	(10)	SIGNED	4	RSRFRCNT	COUNT OF FRAMES TO BE PROCESSED
20	(14)	SIGNED	2	RSRSKIP	SKIP FACTOR, EG., 2 MEANS EVERY OTHER FRAME, 3 MEANS EVERY THIRD FRAME
22	(16)	SIGNED	2	RSRFUNC	FUNCTION INDICATOR - 1 = ONLINE, 2 = OFFLINE, 3 = STATUS, 4 = CANCEL
24	(18)	UNSIGNED	4	RSRFLAG	Flag bytes
		1...		RSRRANGE	1 = Bring a range of Pftes on line 0 = Bring an AI worth of Pftes on line
		.111 1111		*	RESERVED
25	(19)	CHARACTER	3	*	RESERVED

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	2	RSRFLAGS	STATUS BYTES ARRAY
		1...		*	RESERVED
		.1..		*	RESERVED
		..1.		RSRPREF	PREFERRED FRAME
		...1		RSRVRCAN	V=R CANDIDATE - CAN GO OFFLINE
		.... 1...		RSRLNSWP	LONG-TERM NON-SWAPPABLE ADDRESS SPACE
		.... .1..		RSRNSWAS	NON-SWAPPABLE ADDRESS SPACE
		.... ..1.		RSRPSTER	PREVIOUS STORAGE ERROR IN FRAME

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RSRRB Cross Reference

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
		1		RSRCHNGD	CHANGED FRAME
1	(1)	1...		RSROFLN	OFFLINE OR GOING OFFLINE
		.1..		RSRINTRC	INTERCEPTED BECAUSE OF A STORAGE ERROR MACHINE CHECK, A VARY OFFLINE, OR A REQUEST FOR V=R
		..1.		RSRSTERR	STORAGE ERROR IN FRAME
		...1		RSRPRMRS	PERMANENTLY RESIDENT - CAN'T GO OFFLINE
		.... 1...		RSRSQA	SQA FRAME
		.... .1..		RSRLSQA	LSQA FRAME - CAN GO OFFLINE
		.... ..1.		RSRFIXED	FIXED FRAME
		1		RSRVR	V=R IN USE FRAME - CAN'T GO OFFLINE

RSRRB Cross Reference

Name	Hex Offset	Hex Value
RSRCHNGD	0	01
RSRECBP	8	
RSRFIXED	1	02
RSRFLAG	18	
RSRFLAGP	C	
RSRFLAGS	0	
RSRFRCNT	10	
RSRFUNC	16	
RSRINTRC	1	40
RSRLNSWP	0	08
RSRLSQA	1	04
RSRNSWAS	0	04
RSROFLN	1	80
RSRPREF	0	20
RSRPRMRS	1	10
RSRPSTER	0	02
RSRRANGE	18	80
RSRRB	0	
RSRSKIP	14	
RSRSQA	1	08
RSRSTART	4	
RSRSTERR	1	20
RSRSTR64	0	
RSRVR	1	01
RSRVRCAN	0	10

RTCT Heading Information

Common Name: Recovery/Termination Control Table
Macro ID: IHARTCT
DSECT Name: RTCT
Owning Component: SVC Dump (SCDMP)
Eye-Catcher ID: RTCT
Offset: 0
Length: 4
Storage Attributes: Main Storage: One per system
Subpool: 245
Key: 0
Residency: below 16M line
Size: 436 bytes
Created by: IEAVNPA6 at NIP time.
Pointed to by: The CVTRTMCT field of the CVT data area.
Serialization: Dump options: Compare & Swap - SVC dump fields: RTCTSDPL
Function: The RTCT provides a communication area between the various functions associated with dumping facilities, for SYSABEND, SYSMDUMP, SYSUDUMP, and SVC dumps. It is used for coordination of the dump related processes of task and system recovery, the memory termination controller, installation and operator defined dump requirements.

RTCT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	436	RTCT	CVT HAS THE ADDRESS OF THE RTCT
0	(0)	CHARACTER	4	RTCTNAME	EBCDIC NAME IS C'RTCT'
		Comment			
		SNAP/ABEND PARMLIB VALUES			
		End of Comment			
4	(4)	CHARACTER	12	RTCTPLIB	
4	(4)	BITSTRING	4	RTCTSAP	*** SYSABEND INITIAL PARMLIB VALUES **********
4	(4)	BITSTRING	1	RTCTSAP1	(BYTE 1 OF SDATA OPTIONS:)
		1...		RTCTSAB0	1=DISPLAY NUCLEUS
		.1..		RTCTSAB1	1=DISPLAY SQA
		..1.		RTCTSAB2	1=DISPLAY LSQA
		...1		RTCTSAB3	1=DISPLAY SWA
		.... 1...		RTCTSAB4	1=DISPLAY GTF OR SUPERVISOR TRACE
		.... .1..		RTCTSAB5	1=DISPLAY CONTROL BLOCKS FOR TASK
		.... ..1.		RTCTSAB6	1=DISPLAY ENQUEUE CNTRL BLKS
		1		RTCTSAB7	1=FORMAT DATA MGMT C.B.S
5	(5)	BITSTRING	1	RTCTSAP2	(BYTE 2 OF SDATA OPTIONS:)
		1...		RTCTSABG	1=FORMAT IOS CNTRL BLKS
		.1..		RTCTSABH	1=FORMAT ERROR C.B.S
		..1.		RTCTSABI	1=FORMAT PC INFORMATION
		...1		RTCTABSU	1=SUMMARY DUMP REQUEST
		.... 1...		RTCTABAN	1=DUMP ALL VIRTUAL NUC
		.... .1..		RTCTABNS	1=NO SYMPTOM DUMP
		11		*	RESERVED
6	(6)	BITSTRING	1	RTCTSAP3	(BYTE 1 OF PDATA OPTIONS:)
		1...		RTCTSAB8	1=DISPLAY SAVE AREA TRACE (SA)

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1..		RTCTSAB9	0=DISPLAY ENTIRE SAVE AREA 1=DISPLAY SAVE AREA HEADINGS (SAH KEYWORD)
		..1.		RTCTSABA	1=DISPLAY REGISTERS
		...1		RTCTSABB	1=DISPLAY LINK PACK AREA
		.... 1...		RTCTSABC	1=DISPLAY JOB PACK AREA
		.... .1..		RTCTSABD	1=DISPLAY PSW
		.... ..1.		RTCTSABE	1=DISPLAY USER SUBPOOLS: 0-127
		1		RTCTABST	1=DISPLAY SUBTASK DATA
7	(7)	BITSTRING	1	RTCTSAP4	RESERVED
8	(8)	BITSTRING	4	RTCTSUP	*** SYSUDUMP INITIAL PARMLIB VALUES **********
8	(8)	BITSTRING	1	RTCTSUP1	(BYTE 1 OF SDATA OPTIONS:)
		1...		RTCTSUD0	1=DISPLAY NUCLEUS
		.1..		RTCTSUD1	1=DISPLAY SQA
		..1.		RTCTSUD2	1=DISPLAY LSQA
		...1		RTCTSUD3	1=DISPLAY SWA
		.... 1...		RTCTSUD4	1=DISPLAY GTF OR SUPERVISOR TRACE
		.... .1..		RTCTSUD5	1=DISPLAY CONTROL BLOCKS FOR TASK
		.... ..1.		RTCTSUD6	1=DISPLAY ENQUEUE CONTROL BLKS
		1		RTCTSUD7	1=FORMAT DATA MANAGEMENT CONTROL BLOCKS
9	(9)	BITSTRING	1	RTCTSUP2	(BYTE 2 OF SDATA OPTIONS:)
		1...		RTCTSUDG	1=FORMAT IOS C.B.S
		.1..		RTCTSUDH	1=FORMAT ERROR C.B.S
		..1.		RTCTSUDI	1=FORMAT PC INFORMATION
		...1		RTCTSUSU	1=DUMP SUMMARY DUMP
		.... 1...		RTCTSUAN	1=DUMP ALL VIRTUAL NUC
		.... .1..		RTCTSUNS	1=NO SYMPTOM DUMP
		11		*	RESERVED
10	(A)	BITSTRING	1	RTCTSUP3	(BYTE 1 OF PDATA OPTIONS:)
		1...		RTCTSUD8	1=DISPLAY SAVE AREA TRACE (SA)
		.1..		RTCTSUD9	0=DISPLAY ENTIRE SAVE AREA 1=DISPLAY SAVE AREA HEADINGS (SAH KEYWORD)
		..1.		RTCTSUDA	1=DISPLAY REGISTERS
		...1		RTCTSUDB	1=DISPLAY LINK PACK AREA
		.... 1...		RTCTSUDC	1=DISPLAY JOB PACK AREA
		.... .1..		RTCTSUDD	1=DISPLAY PSW
		.... ..1.		RTCTSUDE	1=DISPLAY USER SUBPOOLS: 0-127
		1		RTCTSUST	1=DISPLAY SUBTASK DATA
11	(B)	BITSTRING	1	RTCTSUP4	RESERVED
12	(C)	BITSTRING	4	RTCTSYD	*** SYSMDUMP INITIAL PARMLIB VALUES **********
12	(C)	BITSTRING	1	RTCTSY01	(BYTE 1 OF SDATA OPTIONS:)
		1...		RTCTSYM0	1=DISPLAY NUCLEUS
		.1..		RTCTSYM1	1=DISPLAY SQA
		..1.		RTCTSYM2	1=DISPLAY LSQA
		...1		RTCTSYM3	1=DISPLAY SWA
		.... 1...		RTCTSYM4	1=DISPLAY GTF OR SUPERVISOR TRACE
		.... .1..		RTCTSYM5	1=DISPLAY REGION
		.... ..1.		RTCTSYM6	1=DISPLAY LPA FOR RGN
		1		RTCTSYM7	1=DISPLAY CSA
13	(D)	BITSTRING	1	RTCTSY02	(BYTE 2 OF SDATA OPTS
		1...		RTCTSYMS	1=SUMMARY DUMP
		.1..		RTCTSYMA	1=DUMP ALL VIRTUAL NUC
		..1.		RTCTSYMN	1=NO SYMPTOM DUMP
		...1		*	RESERVED
		.... 1...		*	RESERVED
		.... .1..		*	RESERVED
		.... ..1.		*	RESERVED
		1		*	RESERVED
14	(E)	BITSTRING	1	RTCTSY03	RESERVED
15	(F)	BITSTRING	1	RTCTSY04	RESERVED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
	RTM INFORMATION				
				End of Comment	
16	(10)	SIGNED	2	RTCTYYY1	**RESERVED**
18	(12)	SIGNED	2	RTCTSDLA	ASID of last address space to be processed
20	(14)	CHARACTER	4	RTCTMECB	ECB WAITED ON BY MEMORY TERMINATION CONTROLLER.
24	(18)	ADDRESS	4	RTCTFASB	ADDRESS OF FIRST ASCB ON MEMORY TERMINATION QUEUE.
28	(1C)	SIGNED	4	RTCTNAS	NUMBER OF ADDRESS SPACES TO BE CAPTURED
32	(20)	ADDRESS	4	RTCTEEDA	Global Anchor for EED's
36	(24)	ADDRESS	4	RTCTSDDS	ANCHOR OF THE SDDSQ QUEUE 0 - IF THE SDDSQ IS EMPTY
40	(28)	SIGNED	4	RTCTCOUN	Used for Compare and Swap
40	(28)	SIGNED	2	RTCTSDDC	COUNT OF THE NUMBER OF ENTRIES IN THE SDDSQ.
42	(2A)	UNSIGNED	2	RTCTMTCT	Used to keep a count of the subtasks belonging to Memory Termination
44	(2C)	ADDRESS	4	RTCTDSV	POINTER TO THE DUMPSRV ADDRESS SPACE CONTROL BLOCK.
48	(30)	ADDRESS	4	RTCTSSTK	POINTER TO STACK ADDRESS TABLE
52	(34)	ADDRESS	4	RTCTADGL	SNAP GLUE ROUTINE ADDRESS FOR FOR QMNGRIO
56	(38)	ADDRESS	4	RTCTADG1	SNAP GLUE ROUTINE ADDRESS FOR FOR IEAVAD11
60	(3C)	ADDRESS	4	RTCTADG2	SNAP GLUE ROUTINE ADDRESS FOR FOR IEAVAD21
64	(40)	ADDRESS	4	RTCTADG3	SNAP GLUE ROUTINE ADDRESS FOR FOR IEAVAD81
68	(44)	ADDRESS	4	RTCTADG4	SNAP GLUE ROUTINE ADDRESS FOR FOR IEAVAD08
72	(48)	ADDRESS	4	RTCTADG5	SNAP GLUE ROUTINE ADDRESS FOR FOR IEAVAD12
76	(4C)	ADDRESS	4	RTCTTABG	ABDUMP GLUE ROUTINE ADDRESS FOR EODAD ROUTINE
80	(50)	ADDRESS	4	RTCTTABQ	ABDUMP GLUE ROUTINE ADDRESS FOR QMNGRIO ROUTINE
84	(54)	ADDRESS	4	RTCTTABR	ABDUMP GLUE ROUTINE ADDRESS FOR READ/CHECK ROUTINE
88	(58)	ADDRESS	4	RTCTDSCA	POINTER TO DAE COMMUNICATION AREA
92	(5C)	ADDRESS	4	RTCTDIND	POINTER TO SDDIE CONTROL BLOCK FOR SYSTEM NON-DISPATCHABILITY
96	(60)	ADDRESS	4	RTCTDIRS	POINTER TO SDDIE CONTROL BLOCK FOR THE REAL STORAGE BUFFER
100	(64)	ADDRESS	4	RTCTSDAT	POINTER TO SVC DUMP DATA AREAS CONTROL BLOCK - SDDAT
104	(68)	ADDRESS	4	RTCTSMOD	POINTER TO CONTROL BLOCK CONTAINING SVC DUMP MODULE ADDRESSES - SDMOD
108	(6C)	ADDRESS	4	RTCTSCON	POINTER TO CONTROL BLOCK CONTAINING CONSTANTS USED IN SVC DUMP PROCESSING - SDCON
112	(70)	CHARACTER	4	RTCTCPID	CELL POOL ID FOR THE EEDS
116	(74)	ADDRESS	4	RTCTRPAR	ADDRESS OF RSM PAGE ANALYSIS ROUTINE (IARQD)
120	(78)	ADDRESS	4	RTCTBPXP	OpenMVS Dump Adjunct Addr
124	(7C)	CHARACTER	32	RTCTRSVS	RESERVED
156	(9C)	ADDRESS	4	RTCTSDPL	ADDRESS OF SVC DUMP PARAMETER
160	(A0)	ADDRESS	4	RTCTFMT	USED FOR TESTING RTM MODULES
164	(A4)	SIGNED	4	RTCTMLCK	LOCK FOR MEM TERM POST SRB
168	(A8)	ADDRESS	4	RTCTMSRB	PTR TO MEM TERM'S POST SRB
172	(AC)	ADDRESS	4	RTCTTEST	USED FOR TESTING RTM MODULES
176	(B0)	CHARACTER	4	RTCTSEQW	FULLWORD FIELD CONTAINING THE SEQ # IN THE SECOND HALFWORD
176	(B0)	CHARACTER	2	*	RESERVED
178	(B2)	UNSIGNED	2	RTCTSEQ#	ERRORID SEQUENCE NBR
180	(B4)	ADDRESS	4	RTCTSDSW	ADDR OF SUMMARY SVC DUMP(SUMDUMP) WORK AREA (IHASMWK)
184	(B8)	CHARACTER	36	RTCTTDCB	TAPE DCB FOR SVC DUMP
220	(DC)	ADDRESS	4	RTCTSDWK	ADDRESS OF SVC DUMP WORK AREA
224	(E0)	CHARACTER	10	RTCTERID	ERRORID FOR THIS FAILURE'S SVC DUMP HEADER
224	(E0)	CHARACTER	2	RTCTESEQ	ERRORID SEQUENCE NUMBER

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
226	(E2)	CHARACTER	2	RTCTECPU	ERRORID LOGICAL CPU ID
228	(E4)	CHARACTER	2	RTCTEASD	ERRORID ASID
230	(E6)	CHARACTER	4	RTCTETIM	ERRORID TIME STAMP
234	(EA)	CHARACTER	2	RTCTXXX2	RESERVED
				Comment	
				DEFAULT DUMP OPTIONS, WHICH CAN BE CHANGED BY THE CHNGDUMP OPERATOR COMMAND	
				End of Comment	
236	(EC)	CHARACTER	16	RTCTOPT	
236	(EC)	BITSTRING	4	RTCTSAO	SYSABEND EFFECTIVE OPTIONS
240	(F0)	BITSTRING	4	RTCTSUO	SYSUDUMP EFFECTIVE OPTIONS
244	(F4)	BITSTRING	4	RTCTSYO	SYSMDUMP EFFECTIVE OPTIONS. SYSMDUMP TYPE AND EXIT EFFECTIVE OPTIONS ARE IN RTCTSM1
248	(F8)	BITSTRING	4	RTCTSDO	SVC DUMP EFFECTIVE (DEFAULT) OPTIONS. SDUMP TYPE AND EXIT EFFECTIVE OPTIONS ARE IN RTCTSD1
				Comment	
				ADDITIONAL SVC DUMP INFORMATION AND FLAGS	
				End of Comment	
252	(FC)	BITSTRING	2	*	OLD RTCTASO - RESERVED
254	(FE)	CHARACTER	3	RTCTSDI	*** SVC DUMP INFORMATION ***
254	(FE)	UNSIGNED	1	RTCTSDNA	NUMBER OF ADDRESS SPACES TO DUMP
255	(FF)	UNSIGNED	1	RTCTINDX	INDEX FOR ASID LIST ENTRY
256	(100)	UNSIGNED	1	RTCTSDPR	PERMANENT RETURN CODE
257	(101)	CHARACTER	4	RTCTBUFV	CD SET,SDUMP,BUFFERS=nnnn value. Default value is zero.
261	(105)	CHARACTER	3	RTCTZZZ2	RESERVED
264	(108)	BITSTRING	2	RTCTSDF	*** SVC DUMP FLAGS ***
264	(108)	BITSTRING	1	RTCTSDF1	(BYTE 1 OF FLAGS:)
		1...		RTCTSDNS	INDICATES ADDRESS SPACE HAS BEEN SET NON-SWAPPABLE
		.1..		RTCTSDND	SVC DUMP SET SYSTEM NONDISPATCHABLE
		..1.		RTCTSDSH	SCHEDULE DUMP (IEAVTSDX) REQUEST
		...1		RTCTSDMA	MULTIPLE ADDRESS SPACE DUMP IN PROCESS
		.... 1...		*	RESERVED
		.... .1..		RTCTSDSD	SUMMARY DUMP (IEAVTSSD) RECEIVED CONTROL
		.... ..1.		*	UNUSED
		1		RTCTSDSC	SUMMARY DUMP (IEAVTSSD) COMPLETED PROCESSING
265	(109)	BITSTRING	1	RTCTSDF2	(BYTE 2 OF FLAGS:)
		1...		RTCTSDMR	DUMP OF MASTER A.S. REQ
		.1..		RTCTSYSF	Indicates SYSEVENT AVQDELTA has been issued by SRB IEAVTSD2
		..1.		RTCTDSFX	Used by IEAVTSDS to save TCBFX
		...1		*	RESERVED
		.... 1...		RTCTSDWF	SUMDUMP WRITER (IEAVTSDW) COMPLETED
		.... .1..		*	RESERVED
		.... ..1.		RTCTSDRW	SUMDUMP RECORDS (FROM IEAVTSSD) TO WRITE
		1		RTCTSDFX	SVC DUMP SET TCBFX BIT. THIS PREVENTS ASYNCHRONOUS INTERRUPT EXITS FROM RECEIVING CONTROL UNDER THE CURRENT TASK. THESE EXITS RESULT FROM I/O ERRORS TO NON-DASD DEVICES OR FROM USER REQUESTED TIMER EXITS
				Comment	
				THE FOLLOWING BITS IN RTCTZZZ3 SHOULD NOT BE AND ARE NOT REINITIALIZED BETWEEN SDUMP REQUESTS	
				End of Comment	
266	(10A)	BITSTRING	2	RTCTZZZ3	ADD. SCV DUMP FLAGS

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		1...		*	RESERVED
		.1..		RTCTSDNO	NO SYS1.DUMP D.S. DEFINED
		..1.		RTCTBPXC	OpenMVS install checked
		...1		RTCTNNEW	Do not allow new SVC dumps
		.... 1...		RTCTZDPL	Zero RTCTSDPL to unserializ
266	(10A)	BITSTRING	1	*	RESERVED
				Comment	
				ARRAY OF INFORMATION FOR SVC DUMP OF MULTIPLE ADDRESS SPACES	
				End of Comment	
268	(10C)	CHARACTER	64	RTCTASTB	SVC DUMP ASID TABLE
268	(10C)	BITSTRING	4	RTCTSDF3 (16)	
268	(10C)	BITSTRING	2	RTCTSDAS	ASID OF THIS ADDRESS SPACE
270	(10E)	BITSTRING	1	RTCTSDF4	(BYTE 1 OF FLAGS:)
		1...		RTCTSDSS	DUMP SRB SCHEDULED
		.1..		RTCTSDNC	DUMP SRB RECEIVED CONTROL
		..1.		RTCTSDAN	ADDR SPACE SET NON-DISPATCHABLE
		...1		RTCTSDRM	DUMP TASK HAS BEEN RESUMED
		.... 1...		RTCTSDTR	DUMP TASK RUNNING
		.... .1..		RTCTSDEQ	DUMP TASK ENQUEUED ON SDUMP RESOURCE
		.... ..1.		RTCTSDEN	SVC DUMP (IEAVAD00 OR IEAVTSDT) IS PROCESSING THIS ADDRESS SPACE ENTRY
		1		RTCTSDDO	DUMP ATTEMPTED FOR THIS ASID
271	(10F)	BITSTRING	1	RTCTSDF5	ADDRESS SPACE FLAG BYTE
		1...		RTCTLSTA	LISTA STORAGE RANGES SPECIFIED FOR THIS ADDRESS SPACE
		.1..		RTCTOLST	LISTA IS ONLY REQUESTED OPTION FOR THIS ADDRESS SPACE
		..1.		RTCTTERM	IEAVTSRB should terminate
		...1		RTCTOCDS	This ASID is ONLY the owning ASID of a scope(all) data space
		.... 1...		RTCTOSTP	This ASID is ONLY stopped and should not be dumped
		.... .1..		RTCTCS	IEAVTSDT is in CS logic to decrement field RTCTNAS
		.... ..1.		RTCTDONE	IEAVTSDT capture complete
		1		*	RESERVED
				Comment	
				RTM INFORMATION	
				End of Comment	
332	(14C)	ADDRESS	4	RTCTMRMQ	ADDRESS OF QUEUE OF STORAGE AREAS (FOR SYSMDUMPS) TO BE FREED AT MEMTERM
336	(150)	ADDRESS	4	RTCTSTE	ADDRESS OF QUEUE OF SLIP TSO ELEMENTS (STE)
340	(154)	SIGNED	4	RTCTEEDC	RTM COUNTER CONTAINS THE NUMBER OF TIMES EEDS WERE NOT OBTAINED, INCREMENTED BY 1 FOR EACH OCCURENCE EEDS NOT OBTAINED.
				Comment	
				TYPE AND EXIT EFFECTIVE (DEFAULT) OPTIONS FOR SDUMP AND SYSMDUMP	
				End of Comment	
344	(158)	CHARACTER	8	RTCTOPT2	TYPE AND EXIT FLAGS
344	(158)	BITSTRING	4	RTCTSD1	SDUMP FLAGS
348	(15C)	BITSTRING	4	RTCTSM1	SYSMDUMP FLAGS
352	(160)	ADDRESS	4	RTCTZZZ8	RESV SYSUDUMP TYPE/EXIT
356	(164)	ADDRESS	4	RTCTZZZ7	RESV SYSABEND TYPE/EXIT
360	(168)	CHARACTER	4	RTCTSMD2	SYSMDUMP PARMLIB DEFAULTS FOR TYPE AND EXIT OPTIONS
360	(168)	BITSTRING	2	RTCTMTYP	SYSMDUMP TYPE DEFAULTS
362	(16A)	BITSTRING	2	RTCTMEXT	SYSMDUMP EXIT DEFAULTS

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
362	(16A)	BITSTRING	1	RTCTMEX1	FIRST EXIT BYTE
		1...		RTCTMXGR	1=GRSQ OPTION
		.111 1111		*	RESERVED
363	(16B)	BITSTRING	1	RTCTMEX2	2ND SYSMDUMP EXIT BYTE
364	(16C)	ADDRESS	4	RTCTRTSD	RTCT EXTENSION POINTER FOR SDUMP
368	(170)	ADDRESS	4	RTCTSMEW	POINTER TO SUMMARY DUMP EXTENDED WORKAREA IN THE DUMPSRV ADDRESS SPACE
372	(174)	ADDRESS	4	RTCTASCB	ADDRESS OF DUMPSRV ASCB
376	(178)	SIGNED	4	RTCTSTIE	Parallel Detach init ECB
380	(17C)	SIGNED	4	RTCTDMP#	Dump sequence number
384	(180)	ADDRESS	4	RTCTXBT	For use by IPCS
Comment					
Data for Permanent Task Restart					
End of Comment					
388	(184)	CHARACTER	16	RTCTPTRD	Permanent task restart
388	(184)	CHARACTER	4	RTCTPTRF	Task restart flags
388	(184)	CHARACTER	1	RTCTTRF1	First flag byte
		1...		RTCTMSIC	IEAVTMSI has completed its initialization processing
		.111 1111		*	Reserved
389	(185)	CHARACTER	1	RTCTTRF2	Restart active bits
		1...		RTCTMTRA	Memterm task restart is active
		.1..		RTCTDTRA	Dump task restart is active
		..1.		RTCTRTRA	Record task restart is active
		...1		RTCTSTRA	Scanner Task restart active
		.... 111.		*	Reserved
		1		RTCTCNCL	DUMPSRV was cancelled
390	(186)	CHARACTER	2	*	Reserved
392	(188)	SIGNED	4	RTCTMTIE	Memterm task initialization ECB
396	(18C)	SIGNED	4	RTCTDTIE	Dump task initialization ECB
400	(190)	SIGNED	4	RTCTRTIE	Record task initialization ECB
404	(194)	ADDRESS	4	RTCTQDDS	Entry point for IARQDSPD - used by SDUMP
408	(198)	ADDRESS	4	RTCTDPLF	POINTER TO FRONT OF DPL Q
412	(19C)	ADDRESS	4	RTCTDPLB	POINTER TO BACK OF DPL Q
416	(1A0)	SIGNED	4	RTCTCIDI	DUMP ID COUNTER
420	(1A4)	SIGNED	4	RTCTMMTI	MAX MESSAGE WAIT TIME
424	(1A8)	CHARACTER	8	RTCTCNT	MAXSPACE COUNT
424	(1A8)	SIGNED	4	RTCTMCNT	THE AMOUNT OF DATA SPACE STORAGE IN MEG WHICH SDUMP HAS CAPTURED DATA IN
428	(1AC)	SIGNED	4	RTCTPCNT	THE REMAINING AMOUNT OF DATA SPACE STORAGE IN PAGES WHICH SDUMP IS USING THAT DOES NOT ADD UP TO A MEG
432	(1B0)	UNSIGNED	4	RTCTMXSP	MAXSPACE, THE MAX AMOUNT OF DATA SPACE STORAGE IN MEG THAT MAY BE USED BY SDUMP AT ANY INSTANT IN TIME.This amount can be exceeded by a small amount, but once SDUMP realizes that it has been exceeded the capturing of the current SDUMP will be stopped and the user will be given a partial dump. The value of MAXSPACE is set by the CHNGDUMP command.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	16	RTCTMOPT	
0	(0)	BITSTRING	4	RTCTMSAO	*** SYSABEND EFFECTIVE OPTIONS **********
0	(0)	BITSTRING	2	RTCTSASD	SDATA BYTES
0	(0)	BITSTRING	1	RTCTSAO1	(BYTE 1 OF SDATA OPTIONS:)
		1...		RTCTSAD0	1=DISPLAY NUCLEUS
		.1..		RTCTSAD1	1=DISPLAY SQA
		..1.		RTCTSAD2	1=DISPLAY LSQA

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		RTCTSAD3	1=DISPLAY SWA
		.... 1...		RTCTSAD4	1=DISPLAY GTF OR SUPERVISOR TRACE
		.... .1..		RTCTSAD5	1=DISPLAY CONTROL BLOCKS FOR TASK
		.... ..1.		RTCTSAD6	1=DISPLAY ENQUEUE CONTROL BLKS
		1		RTCTSAD7	1=FORMAT DATA MANAGEMENT CONTROL BLOCKS
1	(1)	BITSTRING	1	RTCTSAO2	(BYTE 2 OF SDATA OPTIONS:)
		1...		RTCTSADG	1=FORMAT IOS C.B.S
		.1..		RTCTSADH	1=FORMAT ERROR C.B.S
		..1.		RTCTSADI	1=FORMAT PC INFORMATION
		...1		RTCTSADJ	1=SUMMARY DUMP
		.... 1...		RTCTSADK	1=DUMP ALL VIRTUAL NUC
		.... .1..		RTCTSADL	1=NO SYMPTOM DUMP
		11		*	RESERVED
2	(2)	BITSTRING	2	RTCTSAPD	
2	(2)	BITSTRING	1	RTCTSAO3	(BYTE 1 OF PDATA OPTIONS:)
		1...		RTCTSAD8	1=DISPLAY SAVE AREA TRACE (SA)
		.1..		RTCTSAD9	0=DISPLAY ENTIRE SAVE AREA 1=DISPLAY SAVE AREA HEADINGS (SAH KEYWORD)
		..1.		RTCTSADA	1=DISPLAY REGISTERS
		...1		RTCTSADB	1=DISPLAY LINK PACK AREA
		.... 1...		RTCTSADC	1=DISPLAY JOB PACK AREA
		.... .1..		RTCTSADD	1=DISPLAY PSW
		.... ..1.		RTCTSADE	1=DISPLAY USER SUBPOOLS: 0-127
		1		RTCTSADF	1=DUMP ALL SUBTASKS
3	(3)	BITSTRING	1	RTCTSAO4	
		1111 11..		*	(BYTE 1 OF OTHER OPTIONS:)
		.... ..1.		RTCTSAMG	SEE RTCTSAOV
		.... ..1.		RTCTSAOV	1=OVER MODE 0=ADD MODE
		1		RTCTISAB	IGNORE REQUESTS FOR SYSABEND
4	(4)	BITSTRING	4	RTCTMSUO	*** SYSUDUMP EFFECTIVE OPTIONS **********
4	(4)	BITSTRING	2	RTCTSUSD	SDATA BYTES
4	(4)	BITSTRING	1	RTCTSUO1	(BYTE 1 OF SDATA OPTIONS:)
		1...		RTCTSYD0	1=DISPLAY NUCLEUS
		.1..		RTCTSYD1	1=DISPLAY SQA
		..1.		RTCTSYD2	1=DISPLAY LSQA
		...1		RTCTSYD3	1=DISPLAY SWA
		.... 1...		RTCTSYD4	1=DISPLAY GTF OR SUPERVISOR TRACE
		.... .1..		RTCTSYD5	1=DISPLAY CONTROL BLOCKS FOR TASK
		.... ..1.		RTCTSYD6	1=DISPLAY ENQUEUE CNTRL BLKS
		1		RTCTSYD7	1=FORMAT DATA MANAGEMENT CONTROL BLOCKS
5	(5)	BITSTRING	1	RTCTSUO2	(BYTE 2 OF SDATA OPTIONS:)
		1...		RTCTSYDG	1=FORMAT IOS C.B.S
		.1..		RTCTSYDH	1=FORMAT ERROR C.B.S
		..1.		RTCTSYDI	1=FORMAT PC INFORMATION
		...1		RTCTSYDJ	1=SUMMARY DUMP
		.... 1...		RTCTSYDK	1=DUMP ALL VIRTUAL NUC
		.... .1..		RTCTSYDL	1=NO SYMPTOM DUMP
		11		*	RESERVED
6	(6)	BITSTRING	2	RTCTSUPD	
6	(6)	BITSTRING	1	RTCTSUO3	(BYTE 1 OF PDATA OPTIONS:)
		1...		RTCTSYD8	1=DISPLAY SAVE AREA TRACE (SA)
		.1..		RTCTSYD9	0=DISPLAY ENTIRE SAVE AREA 1=DISPLAY SAVE AREA HEADINGS (SAH KEYWORD)
		..1.		RTCTSYDA	1=DISPLAY REGISTERS
		...1		RTCTSYDB	1=DISPLAY LINK PACK AREA
		.... 1...		RTCTSYDC	1=DISPLAY JOB PACK AREA
		.... .1..		RTCTSYDD	1=DISPLAY PSW
		.... ..1.		RTCTSYDE	1=DISPLAY USER SUBPOOLS: 0-127
		1		RTCTSYDF	1=DUMP SUBTASK DATA
7	(7)	BITSTRING	1	RTCTSUO4	
		1111 11..		*	(BYTE 1 OF OTHER DATA:)
		.... ..1.		RTCTSUMG	SEE RTCTSUOV
		.... ..1.		RTCTSUOV	1=OVER MODE 0=ADD MODE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1		RTCTISYU	IGNORE REQUESTS FOR SYSUDUMP
8	(8)	BITSTRING	4	RTCTMSYO	*** SYSMDUMP EFFECTIVE OPTIONS **********
8	(8)	BITSTRING	1	RTCTSD01	(BYTE 1 OF SDATA OPTIONS:)
		1...		RTCTSDS0	1=DISPLAY NUCLEUS
		.1..		RTCTSDS1	1=DISPLAY SQA
		..1.		RTCTSDS2	1=DISPLAY LSQA
		...1		RTCTSDS3	1=DISPLAY SWA
		.... 1...		RTCTSDS4	1=DISPLAY GTF OR SUPERVISOR TRACE
		.... .1..		RTCTSDS5	1=DISPLAY REGION
		.... ..1.		RTCTSDS6	1=DISPLAY LPA FOR RGN
		1		RTCTSDS7	1=DISPLAY CSA
9	(9)	BITSTRING	1	RTCTSD02	SECOND SDATA BYTE
		1...		RTCTSDS8	1=SUMMARY DUMP
		.1..		RTCTSDS9	1=DUMP ALL NUCLEUS
		..1.		RTCTSDSA	1=NO SYMPTOM DUMP
10	(A)	BITSTRING	1	RTCTSD03	RESERVED
11	(B)	BITSTRING	1	RTCTSD04	
		1111 11..		*	(BYTE 1 OF OTHER DATA:)
		.... ..1.		RTCTSMMG	SEE RTCTSMOV
		.... ..1.		RTCTSMOV	1=OVER MODE 0=ADD MODE
		1		RTCTISYM	IGNORE REQUESTS FOR SYSMDUMP
12	(C)	BITSTRING	4	RTCTMSDO	*** SVC DUMP EFFECTIVE OPTIONS (ONLY SUPPLIED BY CHNGDUMP COMMAND) **********
12	(C)	BITSTRING	2	RTCTSDOD	SDATA BYTES
12	(C)	BITSTRING	1	RTCTSDO1	(BYTE 1 OF SDATA OPTIONS:)
		1...		RTCTSDP0	1=DISPLAY ALL PSA'S IN SYSTEM
		.1..		RTCTSDP1	1=DISPLAY CURRENT PSA
		..1.		RTCTSDP2	1=DISPLAY READ/WRITE NUCLEUS ONLY
		...1		RTCTSDP3	1=DISPLAY SQA
		.... 1...		RTCTSDP4	1=DISPLAY LSQA
		.... .1..		RTCTSDP5	1=DISPLAY REGION (PRIVATE AREA)
		.... ..1.		RTCTSDP6	1=DISPLAY ACTIVE LPA MODULES FOR REGION
		1		RTCTSDP7	1=DISPLAY GTF OR SUPERVISOR TRACE
13	(D)	BITSTRING	1	RTCTSDO2	(BYTE 2 OF SDATA OPTIONS:)
		1...		RTCTSDP8	1=DISPLAY CSA
		.1..		RTCTSDP9	1=DISPLAY SWA
		..1.		RTCTSDPA	1=DISPLAY SUMMARY SVC DUMP (SUMDUMP)
		...1		RTCTSDPB	1=NO SUMMARY DUMP DISPLAY
		.... 1...		RTCTSDPC	1=NO ALL PSA DISPLAY
		.... .1..		RTCTSDPD	1=NO SQA DISPLAY
		.... ..1.		RTCTSDPE	1=DUMP ALL NUCLEUS
		1		RTCTDEF	1=DEFAULTS
14	(E)	BITSTRING	1	RTCTSDO3	(BYTE 1 OF OTHER OPTIONS:)
		1...		RTCTSDPG	1 MEANS QUIESCE=YES SPECIFIED ON CHNGDUMP COMMAND
		.1..		RTCTSDPH	1 MEANS QUIESCE=NO SPECIFIED ON CHNGDUMP COMMAND
		..11 1111		*	RESERVED
15	(F)	BITSTRING	1	RTCTSDO4	(BYTE 2 OF OTHER OPTIONS:)
		1111 11..		*	RESERVED
		.... ..1.		RTCTSDMG	SEE RTCTSDOV
		.... ..1.		RTCTSDOV	1=OVER MODE 0=ADD MODE
		1		RTCTISVC	IGNORE REQUESTS FOR SVC DUMPS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	RTCTSD10	FLAGS
0	(0)	BITSTRING	2	RTCTSDTY	SDUMP TYPE FLAGS
0	(0)	BITSTRING	1	RTCTTYP1	TYPE FLAGS 1
		1...		RTCTXMEM	1=TYPE=XMEM REQUESTED
		.1..		RTCTXMEE	1=TYPE=XMEME REQUESTED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		..1.		RTCTNOLC	1=TYPE=NOLOCAL
		...1 1111		*	RESERVED
1	(1)	BITSTRING	1	RTCTTYP2	RESERVED
2	(2)	BITSTRING	2	RTCTSDEX	SDUMP EXIT FLAGS
2	(2)	BITSTRING	1	RTCTEX1	EXIT FLAGS 1
		1...		RTCTGRSQ	1=GRSQ EXIT
		.1..		RTCTMSTR	1=MASTER TRACE & GTF GLOBAL
Comment					
EXIT					
End of Comment					
		..1.		RTCTSMSX	1=SMSX LOCAL EXIT
		...1		RTCTCPL	1=COUPLE EXIT
		.... 1...		RTCTXES	1=XES LOCAL AND GLOBAL EXITS
		.... .1..		RTCTIOS	1=IOS GLOBAL EXIT
		.... ..1.		RTCTWLM	1=WLM EXIT
		1		RTCTRSM	1=RSM EXIT
3	(3)	BITSTRING	1	RTCTEX2	EXIT FLAGS BYTE 2
		1...		RTCTSLIP	1=SLIP EXIT
		.1..		RTCTOPEN	1=OPEN EDITION EXIT
		..1.		RTCTSVCD	1=TAILORED SVC DUMP EXIT
		...1 1111		*	Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	4	RTCTSM10	FLAGS
0	(0)	BITSTRING	2	RTCTSMTY	TYPE OPTIONS
2	(2)	BITSTRING	2	RTCTSMEX	EXIT OPTIONS
2	(2)	BITSTRING	1	RTCTSMX1	1ST EXIT BYTE
		1...		RTCTMGRS	1=GRSQ OPTION SPECIFIED
		.111 1111		*	RESERVED
3	(3)	BITSTRING	1	RTCTSMX2	2ND EXIT BYTE

RTCT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
RTCT	0		RTCTDEF	D	01
RTCTABAN	5	08	RTCTDIND	5C	
RTCTABNS	5	04	RTCTDIRS	60	
RTCTABST	6	01	RTCTDMP#	17C	
RTCTABSU	5	10	RTCTDONE	10F	02
RTCTADGL	34		RTCTDPLB	19C	
RTCTADG1	38		RTCTDPLF	198	
RTCTADG2	3C		RTCTDSCA	58	
RTCTADG3	40		RTCTDSFX	109	20
RTCTADG4	44		RTCTDSV	2C	
RTCTADG5	48		RTCTDTIE	18C	
RTCTASCB	174		RTCTDTRA	185	40
RTCTASTB	10C		RTCTEASD	E4	
RTCTBPXC	10A	20	RTCTECPU	E2	
RTCTBPXP	78		RTCTEEDA	20	
RTCTBUFV	101		RTCTEEDC	154	
RTCTCIDI	1A0		RTCTERID	E0	
RTCTCNCL	185	01	RTCTESEQ	E0	
RTCTCNT	1A8		RTCTETIM	E6	
RTCTCOUN	28		RTCTEX1	2	
RTCTCPID	70		RTCTEX2	3	
RTCTCPL	2	10	RTCTFASB	18	
RTCTCS	10F	04	RTCTFMT	A0	

RTCT Cross Reference

Name	Hex Offset	Hex Value
RTCTGRSQ	2	80
RTCTINDX	FF	
RTCTIOS	2	04
RTCTISAB	3	01
RTCTISVC	F	01
RTCTISYM	B	01
RTCTISYU	7	01
RTCTLSTA	10F	80
RTCTMCNT	1A8	
RTCTMECB	14	
RTCTMEXT	16A	
RTCTMEX1	16A	
RTCTMEX2	16B	
RTCTMGRS	2	80
RTCTMLCK	A4	
RTCTMMTI	1A4	
RTCTMOPT	0	
RTCTMRMQ	14C	
RTCTMSAO	0	
RTCTMSDO	C	
RTCTMSIC	184	80
RTCTMSRB	A8	
RTCTMSTR	2	40
RTCTMSUO	4	
RTCTMSYO	8	
RTCTMTCT	2A	
RTCTMTIE	188	
RTCTMTRA	185	80
RTCTMTYP	168	
RTCTMXGR	16A	80
RTCTMXSP	1B0	
RTCTNAME	0	
RTCTNAS	1C	
RTCTNNEW	10A	10
RTCTNOLC	0	20
RTCTOCDS	10F	10
RTCTOLST	10F	40
RTCTOPEN	3	40
RTCTOPT	EC	
RTCTOPT2	158	
RTCTOSTP	10F	08
RTCTPCNT	1AC	
RTCTPLIB	4	
RTCTPTRD	184	
RTCTPTRF	184	
RTCTQDDS	194	
RTCTRPAR	74	
RTCTRSM	2	01
RTCTRSVS	7C	
RTCTRTIE	190	
RTCTRTRA	185	20
RTCTRTSD	16C	
RTCTSABA	6	20
RTCTSABB	6	10
RTCTSABC	6	08
RTCTSABD	6	04
RTCTSABE	6	02
RTCTSABG	5	80
RTCTSABH	5	40
RTCTSABI	5	20
RTCTSAB0	4	80
RTCTSAB1	4	40
RTCTSAB2	4	20
RTCTSAB3	4	10
RTCTSAB4	4	08
RTCTSAB5	4	04
RTCTSAB6	4	02
RTCTSAB7	4	01
RTCTSAB8	6	80
RTCTSAB9	6	40
RTCTSADA	2	20
RTCTSADB	2	10
RTCTSADC	2	08
RTCTSADD	2	04
RTCTSADE	2	02
RTCTSADF	2	01
RTCTSADG	1	80
RTCTSADH	1	40
RTCTSADI	1	20
RTCTSADJ	1	10
RTCTSADK	1	08
RTCTSADL	1	04
RTCTSAD0	0	80
RTCTSAD1	0	40
RTCTSAD2	0	20
RTCTSAD3	0	10
RTCTSAD4	0	08
RTCTSAD5	0	04
RTCTSAD6	0	02
RTCTSAD7	0	01
RTCTSAD8	2	80
RTCTSAD9	2	40
RTCTSAMG	3	02
RTCTSAO	EC	
RTCTSAOV	3	02
RTCTSAO1	0	
RTCTSAO2	1	
RTCTSAO3	2	
RTCTSAO4	3	
RTCTSAP	4	
RTCTSAPD	2	
RTCTSAP1	4	
RTCTSAP2	5	
RTCTSAP3	6	
RTCTSAP4	7	
RTCTSASD	0	
RTCTSCON	6C	
RTCTSDAN	10E	20
RTCTSDAS	10C	
RTCTSDAT	64	
RTCTSDDC	28	
RTCTSDDO	10E	01
RTCTSDDS	24	
RTCTSDEN	10E	02
RTCTSDEQ	10E	04
RTCTSDEX	2	
RTCTSDF	108	
RTCTSDFX	109	01
RTCTSDF1	108	
RTCTSDF2	109	
RTCTSDF3	10C	
RTCTSDF4	10E	
RTCTSDF5	10F	
RTCTSDI	FE	
RTCTSDLA	12	
RTCTSDMA	108	10
RTCTSDMG	F	02
RTCTSDMR	109	80
RTCTSDNA	FE	
RTCTSDNC	10E	40

Name	Hex Offset	Hex Value
RTCTSDND	108	40
RTCTSDNO	10A	40
RTCTSDNS	108	80
RTCTSDO	F8	
RTCTSDOD	C	
RTCTSDOV	F	02
RTCTSDO1	C	
RTCTSDO2	D	
RTCTSDO3	E	
RTCTSDO4	F	
RTCTSDPA	D	20
RTCTSDPB	D	10
RTCTSDPC	D	08
RTCTSDPD	D	04
RTCTSDPE	D	02
RTCTSDPG	E	80
RTCTSDPH	E	40
RTCTSDPL	9C	
RTCTSDPR	100	
RTCTSDP0	C	80
RTCTSDP1	C	40
RTCTSDP2	C	20
RTCTSDP3	C	10
RTCTSDP4	C	08
RTCTSDP5	C	04
RTCTSDP6	C	02
RTCTSDP7	C	01
RTCTSDP8	D	80
RTCTSDP9	D	40
RTCTSDRM	10E	10
RTCTSDRW	109	02
RTCTSDSA	9	20
RTCTSDSC	108	01
RTCTSDSD	108	04
RTCTSDSH	108	20
RTCTSDSS	10E	80
RTCTSDSW	B4	
RTCTSDS0	8	80
RTCTSDS1	8	40
RTCTSDS2	8	20
RTCTSDS3	8	10
RTCTSDS4	8	08
RTCTSDS5	8	04
RTCTSDS6	8	02
RTCTSDS7	8	01
RTCTSDS8	9	80
RTCTSDS9	9	40
RTCTSDTR	10E	08
RTCTSDTY	0	
RTCTSDWF	109	08
RTCTSDWK	DC	
RTCTSD01	8	
RTCTSD02	9	
RTCTSD03	A	
RTCTSD04	B	
RTCTSD1	158	
RTCTSD10	0	
RTCTSEQ#	B2	
RTCTSEQW	B0	
RTCTSLIP	3	80
RTCTSMD2	168	
RTCTSMEW	170	
RTCTSMEX	2	
RTCTSMMG	B	02
RTCTSMOD	68	
RTCTSMOV	B	02
RTCTSMSX	2	20
RTCTSMTY	0	
RTCTSMX1	2	
RTCTSMX2	3	
RTCTSM1	15C	
RTCTSM10	0	
RTCTSSTK	30	
RTCTSTE	150	
RTCTSTIE	178	
RTCTSTRA	185	10
RTCTSUAN	9	08
RTCTSUDA	A	20
RTCTSUDB	A	10
RTCTSUDC	A	08
RTCTSUDD	A	04
RTCTSUDE	A	02
RTCTSUDG	9	80
RTCTSUDH	9	40
RTCTSUDI	9	20
RTCTSUD0	8	80
RTCTSUD1	8	40
RTCTSUD2	8	20
RTCTSUD3	8	10
RTCTSUD4	8	08
RTCTSUD5	8	04
RTCTSUD6	8	02
RTCTSUD7	8	01
RTCTSUD8	A	80
RTCTSUD9	A	40
RTCTSUMG	7	02
RTCTSUNS	9	04
RTCTSUO	F0	
RTCTSUOV	7	02
RTCTSUO1	4	
RTCTSUO2	5	
RTCTSUO3	6	
RTCTSUO4	7	
RTCTSUP	8	
RTCTSUPD	6	
RTCTSUP1	8	
RTCTSUP2	9	
RTCTSUP3	A	
RTCTSUP4	B	
RTCTSUSD	4	
RTCTSUST	A	01
RTCTSUSU	9	10
RTCTSVCD	3	20
RTCTSYD	C	
RTCTSYDA	6	20
RTCTSYDB	6	10
RTCTSYDC	6	08
RTCTSYDD	6	04
RTCTSYDE	6	02
RTCTSYDF	6	01
RTCTSYDG	5	80
RTCTSYDH	5	40
RTCTSYDI	5	20
RTCTSYDJ	5	10
RTCTSYDK	5	08
RTCTSYDL	5	04
RTCTSYD0	4	80
RTCTSYD1	4	40
RTCTSYD2	4	20
RTCTSYD3	4	10

RTCT Cross Reference

Name	Hex Offset	Hex Value
RTCTSYD4	4	08
RTCTSYD5	4	04
RTCTSYD6	4	02
RTCTSYD7	4	01
RTCTSYD8	6	80
RTCTSYD9	6	40
RTCTSYMA	D	40
RTCTSYMN	D	20
RTCTSYMS	D	80
RTCTSYM0	C	80
RTCTSYM1	C	40
RTCTSYM2	C	20
RTCTSYM3	C	10
RTCTSYM4	C	08
RTCTSYM5	C	04
RTCTSYM6	C	02
RTCTSYM7	C	01
RTCTSYO	F4	
RTCTSYSF	109	40
RTCTSY01	C	
RTCTSY02	D	
RTCTSY03	E	
RTCTSY04	F	
RTCTTABG	4C	
RTCTTABQ	50	
RTCTTABR	54	
RTCTTDCB	B8	
RTCTTERM	10F	20
RTCTTEST	AC	
RTCTTRF1	184	
RTCTTRF2	185	
RTCTTYP1	0	
RTCTTYP2	1	
RTCTWLM	2	02
RTCTXBT	180	
RTCTXES	2	08
RTCTXMEE	0	40
RTCTXMEM	0	80
RTCTXXX2	EA	
RTCTYYY1	10	
RTCTZDPL	10A	08
RTCTZZZ2	105	
RTCTZZZ3	10A	
RTCTZZZ7	164	
RTCTZZZ8	160	

RTM2WA Heading Information

Common Name: RTM2 WORK AREA
Macro ID: IHARTM2A
DSECT Name: RTM2WA
Owning Component: RECOVERY TERMINATION MANAGER (SCRTM)
Eye-Catcher ID: RTM2
Offset: 0
Length: 4
Storage Attributes: Subpool: 255
Key: 0
Residency: Above the 16M line, except for Normal termination, which may be below the 16M line.
Size: 1744 bytes
Created by: IEAVTRT2
Pointed to by: TCBRTWA FIELD OF THE TCB DATA AREA
ESART2WA FIELD OF THE RTM2ESA DATA AREA IN THE ABEND SVRB
RTM2PREV FIELD OF THE RTM2WA (FOR PREVIOUS ONE, IF ANY)
RTM2ANCH FIELD OF THE RTM2WA (FIRST RTM2WA ACQUIRED)
Serialization: NONE
Function: IHARTM2A MAPS THE RTM2 WORK AREA. THIS WORK AREA IS USED BY RTM2 TO MAINTAIN THE ADDRESSES OF CONTROL BLOCKS USED THROUGHOUT ITS PROCESSING, TO MAINTAIN THE ERROR DATA DESCRIBING THE REASONS FOR ITS CALL AND AS A WORKAREA AND COMMUNICATIONS AREA FOR ITS PROCESSING.

RTM2WA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	1744	RTM2WA	MAPPNG OF WORK AREA
0	(0)	CHARACTER	12	RTM2DESC	RTM2 SELF DESCRIPTION
0	(0)	CHARACTER	4	RTM2ID	CONTAINS 'RTM2' AS ID
4	(4)	ADDRESS	4	RTM2ADDR	CONTAINS ADDR OF THIS RTM2WA
8	(8)	CHARACTER	4	RTM2RT2D	DESCRIPTION OF RTM2WA
8	(8)	UNSIGNED	1	RTM2SPID	CONTAINS SPID OF THIS RTM2WA
9	(9)	UNSIGNED	3	RTM2LGTH	CONTAINS LENGTH OF THIS RTM2WA
12	(C)	ADDRESS	4	RTM2CVT	CONTAINS ADDRESS OF THE CVT
16	(10)	ADDRESS	4	RTM2TCBC	ADDRESS OF THE CURRENT TCB
20	(14)	ADDRESS	4	RTM2VRBC	ADDRESS OF THE CURRENT SVRB
24	(18)	ADDRESS	4	RTM2ASC	ADDRESS OF CURRENT ASCB
28	(1C)	CHARACTER	4	RTM2CODE	CONTAINS COMPLETION CODE,FLAGS
28	(1C)	BITSTRING	1	RTM2CCF	FLAGS
		1...		RTM2DREQ	DUMP REQUESTED
		.1..		RTM2STEP	STEP REQUESTED
		..1.		RTM2R0DP	REG 0 CONTAINS PARAMETERS
		...1		RTM2EOM	MEMORY TERMINATION REQUESTED
		.... 1...		RTM2EOT	TASK TERMINATION REQUESTED
		.... .1..		RTM2REAF	REASON CODE SPECIFIED
		11		*	NOT USED
29	(1D)	CHARACTER	3	RTM2CC	COMPLETION CODE
32	(20)	CHARACTER	16	RTM2SFWA	WORK AREA FOR COMPILER TEMPS
48	(30)	ADDRESS	4	RTM2TCBT	ADDRESS OF TOP TCB IN THE FAILING TREE
52	(34)	ADDRESS	4	RTM2VRBT	RTM2 SVRB QUEUED FROM TOP TCB IN FAILING TREE
56	(38)	ADDRESS	4	RTM2CT	ADDRESS OF RTCT
60	(3C)	CHARACTER	126	RTM2PGCY	THE FOLLOWING FIELDS ARE COPIED INTO THE RTM2WA WHEN RTM2 IS ENTERED FOR PURGE ONLY
60	(3C)	CHARACTER	126	RTM2TRRY	THE FOLLOWING ARE TASK RECOVERY FIELDS

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
60	(3C)	CHARACTER	80	RTM2EEDR	THE FOLLOWING CONTAINS ERROR REGISTERS AND PSW
60	(3C)	CHARACTER	64	RTM2EREG	GENERAL PURPOSE REGISTERS AT TIME OF ERROR
60	(3C)	ADDRESS	4	RTM2ER0	REGISTER 0
64	(40)	ADDRESS	4	RTM2ER1	REGISTER 1
68	(44)	ADDRESS	4	RTM2ER2	REGISTER 2
72	(48)	ADDRESS	4	RTM2ER3	REGISTER 3
76	(4C)	ADDRESS	4	RTM2ER4	REGISTER 4
80	(50)	ADDRESS	4	RTM2ER5	REGISTER 5
84	(54)	ADDRESS	4	RTM2ER6	REGISTER 6
88	(58)	ADDRESS	4	RTM2ER7	REGISTER 7
92	(5C)	ADDRESS	4	RTM2ER8	REGISTER 8
96	(60)	ADDRESS	4	RTM2ER9	REGISTER 9
100	(64)	ADDRESS	4	RTM2ER10	REGISTER 10
104	(68)	ADDRESS	4	RTM2ER11	REGISTER 11
108	(6C)	ADDRESS	4	RTM2ER12	REGISTER 12
112	(70)	ADDRESS	4	RTM2ER13	REGISTER 13
116	(74)	ADDRESS	4	RTM2ER14	REGISTER 14
120	(78)	ADDRESS	4	RTM2ER15	REGISTER 15
124	(7C)	CHARACTER	16	RTM2APSW	EXTENDED CONTROL PSW AT TIME OF ERROR
124	(7C)	CHARACTER	8	RTM2EPSW	EXTENDED CONTROL PSW AT TIME OF ERROR - FIRST DBL WORD
124	(7C)	CHARACTER	4	RTM2PSW1	EXTENDED CONTROL PSW AT TIME OF ERROR - FIRST WORD
124	(7C)	BITSTRING	1	RTM2EMK1	INTERRUPT INFORMATION MASKS
		1...		*	NOT USED
		.1..		RTM2PER1	PROGRAM EVENT RECORDING
		..11		*	NOT USED
		.... 1...		RTM2EAM1	EXTENDED ADDRESSING MODE
		.... 1...		RTM2XAM	EXTENDED ADDRESSING MODE
		.... .1..		RTM2TRM1	ADDRESS TRANSLATION ACTIVE
		.... ..1.		RTM2AIO1	OFF, I/O INTERRUPTION CANNOT OCCUR ON, I/O INTERRUPTIONS CAN OCCUR SUBJECT TO EXTERNAL SUBCLASS MASK BITS OF CONTROL REG 0
		1		RTM2EXT1	OFF, EXTERNAL INTERRUPTIONS CANNOT OCCUR ON, EXTERNAL INTERRUPTIONS CAN OCCUR SUBJECT TO EXTERNAL SUBCLASS MASK BITS OF CONTROL REG 0
125	(7D)	BITSTRING	1	RTM2MWP1	PSW KEY AND 'M-W-P'
		1111		RTM2KEY1	PSW KEY
		.... 1...		RTM2ECT1	EXTENDED CONTROL MODE
		.... .1..		RTM2MCK1	OFF, MACHINE CHECK CANNOT OCCUR ON, MACHINE CHECK DUE TO SYSTEM DAMAGE AND INSTRUCTION PROCESSING DAMAGE CAN OCCUR OTHER MACHINE CHECKS SUBJECT TO MASK BITS IN CONTROL REG 14
		.... ..1.		RTM2WAT1	ON, CPU IN WAIT STATE
		1		RTM2PGM1	ON, PROBLEM STATE OFF, SUPERVISOR STATE
126	(7E)	BITSTRING	1	RTM2INT1	CONDITION CODE AND PROGRAM MASK
		11..		RTM2ASCM	ADDRESS SPACE CONTROL MODE BITS 00 - PRIMARY MODE 01 - AR MODE 10 - SECONDARY MODE 11 - HOME SPACE MODE
		1...		RTM2S1	FIRST ASC MODE BIT
		.1..		RTM2S2	SECOND ASC MODE BIT
		..11		RTM2CC1	CONDITION CODE
		.... 1...		RTM2FPO1	FIXED POINT OVERFLOW
		.... .1..		RTM2DEC1	DECIMAL OVERFLOW
		.... ..1.		RTM2EXP1	EXPONENT OVERFLOW
		1		RTM2SGN1	SIGNIFICANCE
127	(7F)	BITSTRING	1	*	RESERVED
128	(80)	ADDRESS	4	RTM2NXT1	ADDRESS OF NEXT INSTRUCTION
128	(80)	CHARACTER	1	*	RESERVED
		1...		RTM2MOD1	=0 NEXT INSTRUCTION TO BE EXECUTED IN 24-BIT MODE. =1 NEXT INSTRUCTION TO BE EXECUTED IN 31-BIT MODE.
129	(81)	ADDRESS	3	RTM2ADD1	INSTRUCTION ADDRESS
132	(84)	CHARACTER	8	RTM2AEC1	ADDITIONAL EC MODE INFORMATION
132	(84)	CHARACTER	1	*	RESERVED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
133	(85)	BITSTRING	1	RTM2ILC1	INSTRUCTION LENGTH CODE
		1111 1...		*	RESERVED
		.... .11.		RTM2IL1	ILC
		1		*	RESERVED
134	(86)	UNSIGNED	2	RTM2INC1	INTERRUPT CODE
134	(86)	CHARACTER	1	*	RESERVED FOR IMPRECISE INTERRUPTS
135	(87)	ADDRESS	1	RTM2ICD1	8 BIT INTERRUPT CODE
		1...		RTM2IPR1	PER INTERRUPT OCCURRED
		.1..		RTM2IMC1	MONITOR CALL INTERRUPT
		..11 1111		RTM2IPC1	AN UNSOLICITED PROGRAM CHECK HAS OCCURRED
136	(88)	ADDRESS	4	RTM2TRAN	TRANSLATION EXCEPTION ADDRESS
136	(88)	CHARACTER	3	*	First 3 bytes
139	(8B)	UNSIGNED	1	RTM2DXC	Data exception code
140	(8C)	CHARACTER	8	RTM2ABNM	NAME OF ABENDING PROGRAM
148	(94)	ADDRESS	4	RTM2ABEP	ENTRY POINT ADDRESS OF ABENDING PROGRAM
152	(98)	CHARACTER	28	RTM2EEDH	THE FOLLOWING FIELDS CONTAIN DATA CONCERNING MACHINE CHECKS
152	(98)	CHARACTER	8	RTM2STCK	BEGINNING AND ENDING STORAGE CHECK ADDRESSES
152	(98)	ADDRESS	4	RTM2SCKB	BEGINNING STORAGE CHECK ADDR
156	(9C)	ADDRESS	4	RTM2SCKE	ENDING STORAGE CHECK ADDR
160	(A0)	CHARACTER	2	RTM2MCHI	ADDITIONAL MCH INFORMATION FLAGS
160	(A0)	BITSTRING	1	RTM2MCHS	MCH FLAG BYTE
		1...		RTM2SRVL	ON STORAGE ADDRESS SUPPLIED (RTM2STCK, RTM2RFSA) ARE VALID.
		.1..		RTM2RCDF	ON, MACHINE CHECK RECORD NOT RECORDED
		..1.		RTM2TSVL	ON, TIME STAMP VALID
		...1		RTM2INVP	ON, STORAGE IS RECONFIGURED, PAGE IS INVALIDATED.
		.... 1...		RTM2RSRC	ON,STORAGE RECONFIGURATION STATUS AVAILABLE (RTM2RSR1,RTM2RSR2)
		.... .1..		RTM2RSRF	ON, STORAGE RECONFIGURATION NOT ATTEMPTED (RTM2RSR1, RTM2RSR2 ARE INVALID)
		.... ..1.		RTM2VRIV	ON, VECTOR REGISTERS ARE UNPREDICTABLE
		1		*	RESERVED
161	(A1)	BITSTRING	1	RTM2MCHD	ADDITIONAL INFORMATION IF ERROR WAS MACHINE CHECK
		1...		RTM2SKYF	ON, STORAGE KEY FAILURE
		.1..		RTM2REGU	ON, REGISTERS AT TIME OF ERROR MAY BE INVALID
		..1.		RTM2PSWU	ON, PSW AT TIME OF ERROR MAY BE INVALID
		...1		RTM2SCK	ON, STORAGE CHECK
		.... 1...		RTM2ACR	ON, ACR
		.... .1..		RTM2INSF	ON, INSTRUCTION FAILURE
		.... ..1.		RTM2SOFT	ON,SOFT ERROR
		1		RTM2TERR	ON,TIMER ERROR
162	(A2)	CHARACTER	2	RTM2CPID	ID OF FAILING CPU CAUSING ACR
164	(A4)	CHARACTER	1	RTM2RSR1	ADDITIONAL STORAGE FRAME ERROR INDICATORS AS RETURNED FROM REAL STORAGE RECONFIGURATION
		1111 11..		*	RESERVED
		.... ..1.		RTM2MSER	STORAGE ERROR ALREADY SET IN FRAME
		1		RTM2CHNG	CHANGE INDICATOR WAS ON IN FRAME
165	(A5)	CHARACTER	1	RTM2RSR2	ADDITIONAL STORAGE ERROR INDICATORS.
		1...		RTM2OFLN	FRAME OFFLINE OR SCHEDULED TO GO OFFLINE IF RTM2INTC IS ON
		.1..		RTM2INTC	INTERCEPT THE FRAME IS SCHEDULED TO GO OFFLINE OR THE FRAME HAS INCURRED A STORAGE ERROR OR IS V=R
		..1.		RTM2SPER	STORAGE ERROR PERMANENT ON FRAME
		...1		RTM2NUCL	FRAME CONTAINS PERMANENT RESIDENT STORAGE, I.E., NUCLEUS
		.... 1...		RTM2FSQA	FRAME IN SQA
		.... .1..		RTM2FLSQ	FRAME IN LSQA
		.... ..1.		RTM2PGFX	FRAME IS PAGE FIXED
		1		RTM2VEQR	FRAME IS VIRTUAL=REAL OR SCHEDULED FOR VIRTUAL=REAL IF RTM2INTC IS ON
166	(A6)	CHARACTER	2	*	RESERVED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
168	(A8)	ADDRESS	4	RTM2RFSA	REAL STORAGE FAILING ADDRESS. (VALID ONLY IF INDICATED BY RTM2SRVL)
172	(AC)	CHARACTER	8	RTM2TIME	TIME STAMP OF ASSOCIATED MACHINE CHECK
180	(B4)	CHARACTER	4	RTM2FLGS	INPUT FLAGS DESCRIBING REASONS AND CONDITIONS FOR ENTERING RTM2
180	(B4)	BITSTRING	1	RTM2ERRA	ERROR TYPE CAUSING ENTRY TO RTM2
		1...		RTM2MCHK	ON, MACHINE CHECK
		.1..		RTM2PCHK	ON, PROGRAM CHECK
		..1.		RTM2RKEY	ON, CONSOLE RESTART KEY WAS DEPRESSED
		...1		RTM2SVCD	ON, TASK ISSUED SVC 13
		.... 1...		RTM2ABTM	ON, ENTRY VIA ABTERM
		.... .1..		RTM2SVCE	ON,INDICATES AN SVC WAS ISSUED BY A LOCKED OR SRB ROUTINE.
		.... ..1.		RTM2TEXC	ON,INDICATES AN UNRECOVERABLE TRANSLATION FAILURE
		1		RTM2STRM	ON,INDICATES AN STERM ERROR
181	(B5)	CHARACTER	1	RTM2ERRB	ADDITIONAL ERROR ENTRY INFORMATION
		1...		RTM2PDIP	ON INDICATES THAT THIS TASK WAS PARALLEL DETACHED
		.111		*	RESERVED
		.... 1...		RTM2TYP1	ON, TYPE 1 SVC IN CONTROL AT TIME OF ERROR
		.... .1..		RTM2ENRB	ON, ENABLED RB IN CONTROL AT TIME OF ERROR
		.... ..1.		RTM2LDIS	ON, A LOGICALLY OR PHYSICALLY DISABLED ROUTINE (OTHER THAN A TYPE 1 SVC) WAS IN CONTROL AT TIME OF ERROR
		1		RTM2SRBM	ON, SYSTEM IN SRB MODE AT TIME OF ERROR
182	(B6)	CHARACTER	1	RTM2ERRC	ADDITIONAL ERROR ENTRY INFORMATION
		1...		RTM2STAF	ON, A PREVIOUS (E)STAE EXIT FAILED
		.1..		RTM2STAI	ON, A (E)STAI EXIT PREVIOUSLY RECEIVED CONTROL
		..1.		RTM2IRB	ON, AN IRB PRECEDED THE RB THAT IS ASSOCIATED WITH THIS EXIT
		...1		RTM2PERC	ON, THIS RECOVERY ROUTINE IS BEING PERCOLATED TO
		.... 1...		RTM2EAS	ON, A LOWER LEVEL EXIT HAS RECOGNIZED AN ERROR AND PROVIDED SERVICEABILITY INFO.
		.... .111		*	RESERVED
183	(B7)	CHARACTER	1	RTM2ERRD	ADDITIONAL ERROR ENTRY INFORMATION
		1...		RTM2CLUP	ON, INDICATES RECOVERY ROUTINE ONLY TO CLEAN UP AND NOT RETRY (IF 33E COMPLETION CODE THE DUMP IS TAKEN AFTER ENTRY TO THE RECOVERY ROUTINE, IF THE COMPLETION CODE IS OTHER THAN 33E, THE DUMP IS TAKEN BEFORE ENTRY TO THE RECOVERY ROUTINE)
		.1..		RTM2NRBE	ON, RB ASSOCIATED WITH THIS ESTA EXIT WAS NOT IN CONTROL AT TIME OF ERROR
		..1.		RTM2STAE	ON, THIS ESTA EXIT HAS BEEN ENTERED FOR A PREVIOUS ABEND.
		...1		RTM2CTS	ON, THIS TASK WAS NOT IN CONTROL AT TIME OF ERROR BUT A TASK WITHIN THE SAME JOBSTEP TREE REQUESTED A 'STEP' ABEND. ONLY ON IF RTM2CLUP IS ON.
		.... 1...		RTM2MABD	ON, THIS TASK WAS NOT IN CONTROL AT TIME OF ERROR BUT AN ANCESTOR OF THIS TASK HAS ABENDED. ONLY ON IF RTM2CLUP IS ON.
		.... .1..		RTM2RPIV	ON, THE REGISTERS AND PSW AT TIME OF ERROR ARE UNAVAILABLE
		.... ..1.		RTM2MCIV	ON, MACHINE CHECK ERROR INFORMATION IS UNAVAILABLE
		1		RTM2ERFL	ON, ERRORID INFORMATION AVAILABLE
184	(B8)	CHARACTER	2	RTM2FMID	ASID OF MEMORY IN WHICH ERROR OCCURRED. EQUAL TO ZERO IF CURRENT MEMORY FAILED. NOT EQUAL TO ZERO IF CROSS MEMORY ABTERM.
186	(BA)	CHARACTER	522	RTM2CVER	THE FOLLOWING FIELDS ARE ZEROED IN THE RTM2WA WHEN RTM2 IS ENTERED FOR CONVERT TO STEP
186	(BA)	CHARACTER	50	RTM2TRRC	TASK RECOVERY FIELDS CONTINUED
186	(BA)	BITSTRING	1	RTM2IOFS	CURRENT I/O STATUS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		RTM2IOQR	ON, I/O FOR TASK HAS BEEN QUIESCED AND IS RESTORABLE
		.1..		RTM2IOHT	ON, I/O FOR FAILING TASK HAS BEEN HALTED AND IS NOT RESTORABLE
		..1.		RTM2NOIO	ON, FAILING TASK HAS NO OUTSTANDING I/O
		...1		RTM2NIOP	ON, TASK REQUESTED NO I/O PROCESSING
		 1111		*	RESERVED
187	(BB)	BITSTRING	1	RTM2SDWK	USER SDWA STORAGE PROTECTION KEY
188	(BC)	ADDRESS	4	*	RESERVED
192	(C0)	ADDRESS	4	RTM2RBST	STOPPER RB USED BY TASK RECOVERY WHEN CHECKING FOR AN INTERVENING IRB
196	(C4)	ADDRESS	4	RTM2LSRT	LINKAGE STACK RESUME TOKEN
200	(C8)	CHARACTER	12	RTM2SCBS	BEGINNING, ENDING,AND CURRENT SCB ADDRESSES TO BE ENTERED
200	(C8)	ADDRESS	4	RTM2SCBC	ADDRESS OF CURRENT SCB
204	(CC)	ADDRESS	4	RTM2SCBN	ADDRESS OF NEWEST SCB
208	(D0)	ADDRESS	4	RTM2SCBO	ADDRESS OF OLDEST SCB
212	(D4)	CHARACTER	1	RTM2FLAG	DYNAMIC RESOURCE MANAGER FLAGS
		1...		RTM2GLBA	GLOBAL ADDRESS SPACE QUEUE PROCESSING
		.1..		RTM2GLBT	GLOBAL TASK RELATED QUEUE PROCESSING
		..1.		RTM2SPEA	SPECIFIC ADDRESS SPACE QUEUE PROCESSING
		...1		RTM2SPET	SPECIFIC TASK RELATED QUEUE PROCESSING
		.... 1...		RTM2LOCT	LOCAL TASK RELATED QUEUE PROCESSING
		.... .111		*	RESERVED
213	(D5)	BITSTRING	1	RTM2FLG2	DYNAMIC RESOURCE MANAGER FLAGS
		1...		RTM2ERME	ROUTING CONTROL TO RME
		.1..		RTM2TR2D	ROUTING CONTROL TO IEAVTR2D
214	(D6)	CHARACTER	1	RTM2RCT2	FLAGS USED TO MANAGE RECOVERY PROCESSING. SEE ALSO RCTL
		1...		RTM2IRBP	ON, AN IRB PRECEEDED THE RB CURRENTLY BEING PROCESSED
		.1..		RTM2FOUN	ON, RB OWNER FOUND FOR ARR
		..1.		RTM2IENV	ON, ARR COULD NOT BE ROUTED TO BECAUSE OF IMPROPER ENVIRONMENT. THIS MEANS THAT A STACKING PC THAT HAS AN ARR WAS ENTERED WITH AN FRR ALREADY ESTABLISHED.
		...1		RTM2PCAX	ON, PCAX INDICATED THAT THE INPUT PC NUMBER/ASID PAIR WAS NOT VALID
215	(D7)	CHARACTER	1	*	RESERVED
216	(D8)	ADDRESS	4	RTM2RBPR	PREVIOUS RB
220	(DC)	ADDRESS	4	RTM2COMP	USED TO SAVE SDWACOMP DURING PERCOLATION
224	(E0)	ADDRESS	4	RTM2RTYA	RETRY ADDRESS RETURNED FROM A RECOVERY EXIT
224	(E0)	BITSTRING	3	*	
227	(E3)	1		RTM2RA64	When on, retry is AMODE 64. This bit must cause PSW.4 to be set.
228	(E4)	ADDRESS	4	RTM2RYRB	ADDRESS OF THE RB AT WHICH THE RETRY WILL OCCUR
232	(E8)	CHARACTER	4	RTM2PARQ	USED TO SAVE RECOVERY ROUTINE FLAGS DURING PERCOLATION
232	(E8)	CHARACTER	1	RTM2RCDE	RETURN CODE FROM RECOVERY ROUTINE TO INDICATE RETRY OR TERMINATION: 0, CONTINUE WITH TERMINATION - IMPLIES PERCOLATION 4, RETRY 8, RETRY (ONLY VALID FROM STAE) 12, RETRY (ONLY VALID FROM STAE/STAI) 16, PREVENT FURTHER STAI/ESTAI PROCESSING AND CONTINUE WITH TERMINATION.
233	(E9)	CHARACTER	3	*	RESERVED
236	(EC)	CHARACTER	8	RTM2CTL1	BC MODE PSW AT TIME OF ERROR
236	(EC)	CHARACTER	1	RTM2CMKA	CHANNEL INTERRUPTS MASKS.
		1111 111.		RTM2IOA	I/O INTERRUPTS (ALL ZEROES OR ALL ONES.
		1		RTM2EXTA	EXTERNAL INTERRUPT.
237	(ED)	CHARACTER	1	RTM2MWPA	PSW KEY AND 'M-W-P'.
		1111		RTM2KEYA	PSW KEY.
		.... 1...		*	RESERVED
		.... .1..		RTM2MCKA	MACHINE CHECK INTERRUPT
		.... ..1.		RTM2WATA	WAIT STATE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1		RTM2SPVA	SUPERVISOR/PROBLEM-PROGRAM MODE
238	(EE)	CHARACTER	2	RTM2INTA	INTERRUPT CODE (LAST 2 BYTES OF INTERRUPT CODE IF I/O INTERRUPT
240	(F0)	CHARACTER	1	RTM2PMKA	INSTRUCTION LENGTH CODE, CONDITION CODE, AND PROGRAM MASKS.
		11..		RTM2ILA	INSTRUCTION LENGTH CODE
		..11		RTM2CCA	LAST CONDITION CODE
		.... 1...		RTM2FPA	FIXED-POINT OVERFLOW
		.... .1..		RTM2DOA	DECIMAL OVERFLOW
		.... ..1.		RTM2EUA	EXPONENT OVERFLOW
		1		RTM2SGA	SIGNIFICANCE
241	(F1)	ADDRESS	3	RTM2NXTA	ADDRESS OF NEXT INSTRUCTION TO BE EXECUTED
244	(F4)	CHARACTER	8	RTM2CTL2	BC MODE PSW FROM LAST PRB ON RB CHAIN
244	(F4)	CHARACTER	1	RTM2CMKP	CHANNEL INTERRUPTS MASKS.
		1111 111.		RTM2IOP	I/O INTERRUPTS (ALL ZEROES OR ALL ONES.
		1		RTM2EXTP	EXTERNAL INTERRUPT.
245	(F5)	CHARACTER	1	RTM2MWPP	PSW KEY AND 'M-W-P'.
		1111		RTM2KEYP	PSW KEY
		.... 1...		*	RESERVED
		.... .1..		RTM2MCKP	MACHINE CHECK INTERRUPT
		.... ..1.		RTM2WATP	WAIT STATE
		1		RTM2SPVP	SUPERVISOR/PROBLEM PROGRAM MODE
246	(F6)	CHARACTER	2	RTM2INTP	INTERRUPT CODE (LAST 2 BYTES OF INTERRUPT CODE IF I/O INTERRUPT
248	(F8)	CHARACTER	1	RTM2PMKP	INSTRUCTION LENGTH CODE, CONDITION CODE, AND PROGRAM MASKS
		11..		RTM2ILP	INSTRUCTION LENGTH CODE
		..11		RTM2CCP	LAST CONDITION CODE
		.... 1...		RTM2FPP	FIXED - POINT OVERFLOW
		.... .1..		RTM2DOP	DECIMAL OVERFLOW
		.... ..1.		RTM2EUP	EXPONENT UNDERFLOW
		1		RTM2SGP	SIGNIFICANCE
249	(F9)	ADDRESS	3	RTM2NXTP	ADDRESS OF NEXT INSTRUCTION TO BE EXECUTED
252	(FC)	CHARACTER	72	RTM2SNAP	THE FOLLOWING FIELDS ARE INVOLVED WITH DUMP PROCESSING
252	(FC)	ADDRESS	4	RTM2DPLA	ADDRESS OF THE DUMP PARAMETER LIST
256	(100)	CHARACTER	28	RTM2SPRM	SNAP PARM LIST
256	(100)	CHARACTER	16	RTM2SNPL	SNAP PARMS
272	(110)	ADDRESS	4	RTM2SPSL	ADDRESS OF STORAGE LISTS (RTM2DPSL)
276	(114)	ADDRESS	4	RTM2HLST	ADDRESS OF HEADER LIST
280	(118)	ADDRESS	4	RTM2SPSP	ADDRESS OF SUBPOOL LIST (RTM2SPLE)
284	(11C)	CHARACTER	24	RTM2SNPX	SNAPX PARAMETERS
284	(11C)	CHARACTER	16	RTM2SALE	ALETS ASSOCIATED WITH SNAP PARAMETER LIST
300	(12C)	CHARACTER	8	RTM2STKN	SNAPX TOKENS
300	(12C)	ADDRESS	4	RTM2DSPP	ADDRESS OF DATA SPACE RANGE LIST
304	(130)	SIGNED	4	RTM2DSAL	ALET FOR DATA SPACE RANGE LIST
308	(134)	CHARACTER	8	RTM2DD	DDNAME FOR DUMP DATA SET
316	(13C)	SIGNED	4	RTM2SNCC	RETURN CODE FROM SNAP/ABDUMP 0, SUCCESSFUL COMPLETION 4, INVALID DCB OR UPR ON DCB 8, INVALID TCB, UPR ON TCB, OR INSUFFICIENT STORAGE 12, INVALID DCB TYPE
320	(140)	ADDRESS	4	RTM2DTCB	ADDR OF TOP TCB IN TREE TO BE DUMPED
324	(144)	CHARACTER	32	RTM2SECB	ADDRESSES OF ECB LIST AND ECBS USED IN STACKING
324	(144)	ADDRESS	4	RTM2ECBA (4)	ADDRESS OF ECBS
		1...		RTM2LECB	ON, LAST ECB USED
340	(154)	SIGNED	4	RTM2ECBS (4)	ECBS
356	(164)	CHARACTER	8	*	
364	(16C)	ADDRESS	4	RTM2PREV	ADDRESS OF PREVIOUS RTM2WA ACQUIRED FOR THIS TASK
368	(170)	ADDRESS	4	RTM2PRWA	ADDRESS OF PREVIOUS RTM2WA PERTINENT TO THIS RECURSION
372	(174)	CHARACTER	72	RTM2SFRG	SUBFUNCTION REGISTER SAVE AREA
372	(174)	ADDRESS	4	RTM2SFSA (18)	SUBFUNCTION REGISTER SAVE AREA
444	(1BC)	BITSTRING	1	RTM2PKEY	HOLDS CALLER'S PROTECT KEY FOR MODSET

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
445	(1BD)	CHARACTER	7	RTM2SCTL	FLAGS USED TO MANAGE PATHS WITHIN RTM2
445	(1BD)	BITSTRING	2	RTM2CCTL	FLAGS USED TO MANAGE CONTROLLER PATHS
		1...		RTM2STPT	ON, SCOPE OF ABEND IS STEP
		.1..		RTM2CNCL	ON, ENTRY IS FOR A 'CANCEL'
		..1.		RTM2DETF	ON, ENTRY IS FOR A DETACH X'13E' OR X'33E' ABEND
		...1		RTM2ISPC	ON, INITIAL SUBTASK PROCESSING HAS BEEN DONE.
		.... 1...		RTM2REED	SET ON WHEN RTM2 FINDS A REGISTER TYPE EED ON THE QUEUE
		.... .1..		RTM2HEED	SET ON WHEN RTM2 FINDS A HARDWARE EED
		.... ..1.		RTM2SLIP	ON WHEN SLIP REQUESTED FOR THIS ERROR
		1		RTM2CONT	USED BY RTM2 AS A CONTROL FLAG IN SEGMENT RTCFTCB
446	(1BE)	1...		RTM2RSCN	USED BY RTM2 AS A CONTROL BIT DURING STACKING. ON INDICATES A SUBTASK IN RTM2 HAS BEEN FOUND
		.1..		RTM2DEND	USED BY RTM2 AS A CONTROL BIT WHEN PROCESSING DUMP OPTIONS
		..1.		RTM2RGEB	USED BY RTM2 AS A CONTROL BIT WHEN PROCESSING DUMP OPTIONS
		...1		RTM2NODP	ON=SLIP HAS SPECIFIED THAT ALL DUMP REQUESTS OUT OF THIS CALL TO RTM SHOULD BE IGNORED
		.... 1...		RTM2INPG	USED BY RTM2 AS CONTROL BIT IN RTCINPRG
		.... .1..		RTM2PPIO	USED BY RTM2 AS CONTROL BIT IN RTCINPRG
		.... ..1.		RTM2PGIO	USED BY RTM2 AS A CONTROL BIT IN RTCINPRG
		1		RTM2SUBR	Used while doing initial processing of subtasks to indicate that at least one subtask being processed was already in resource manager processing
447	(1BF)	BITSTRING	1	RTM2TCTL	RESERVED FOR TASK TERMINATION
448	(1C0)	BITSTRING	1	RTM2MCTL	RESERVED FOR MEMORY TERMINATION
449	(1C1)	BITSTRING	2	RTM2ABDR	ABDUMP FLAGS
449	(1C1)	BITSTRING	1	*	RESERVED
450	(1C2)	BITSTRING	1	RTM2ABND	ABDUMP FLAGS - RTM2STAT REMOVED
		1...		RTM2NDMP	REQ'D INFOR FOR DUMP MISSING - NO DUMP PROVIDED
451	(1C3)	BITSTRING	1	RTM2RCTL	FLAGS USED TO MANAGE TASK RECOVERY PATHS
		1...		RTM2STA2	ON, STAE EXIT ENTERED FOR THIS ERROR
		.1..		RTM2WAIN	ON, SDWA INVALID ON RETURN FROM EXIT
		..1.		RTM2WANA	ON, SDWA NOT ACQUIRED
		...1		RTM2TRSW	USED BY TASK RECOVERY FOR LOOP CONTROL
		.... 1...		RTM2BFTL	USED BY TASK RECOVERY AS FIRST TIME LOGIC INDICATOR
		.... .1..		RTM2LPAQ	USED BY TASK RECOVERY WHEN THE* LINK PACK AREA CDE CHAIN IS BEING SEARCHED
		.... ..1.		RTM2JPAQ	USED BY TASK RECOVERY WHEN THE JOB PACK AREA CDE CHAIN IS BEING SEARCHED
		1		RTM2SDAB	The current SDWA was obtained above the 16M line and has an SDWARC4 extension
452	(1C4)	BITSTRING	8	RTM2INTF	FLAGS USED TO MANAGE PATHS ACROSS RTM2 SUBFUNCTIONS
452	(1C4)	BITSTRING	4	RTM2COMF	FLAGS USED TO COMMUNICATE WITH VARIOUS SUBFUNCTIONS
452	(1C4)	BITSTRING	1	RTM2CTLR	FLAGS USED TO COMMUNICATE WITH THE CONTROLLER
		1...		RTM2RECR	ON, THIS IS RECURSIVE ENTRY
		.1..		RTM2RETR	ON, RETRY REQUESTED BY EXIT
		..1.		RTM2TMEM	ON, TASK TERMINATION HAS ENDED THE LAST TASK IN THE MEMORY
		...1		RTM2WRAP	ON, INDICATES STORAGE RANGES WRAPPED AROUND
		.... 1...		RTM2STRV	ON, INDICATES STORAGE RANGES ACCESS IN PROGRESS
		.... .1..		RTM2SPLV	ON, INDICATES SUBPOOL LIST ACCESS IN PROGRESS
		.... ..1.		RTM2XWRP	ON, INDICATES DATA SPACE STORAGE RANGES WRAPPED AROUND
		1		RTM2XSTV	ON, INDICATES DATA SPACE STORAGE RANGES ACCESS IN PROGRESS
453	(1C5)	BITSTRING	1	RTM2DMPC	FLAGS USED TO COMMUNICATE WITH THE DUMP FUNCTIONS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		RTM2NOSV	ON, INDICATES SLIP HAS SPECIFIED THAT SVC DUMP REQUESTS OUT OF THIS CALL TO RTM SHOULD BE IGNORED
		.1..		RTM2NOSA	ON, INDICATES SLIP HAS SPECIFIED THAT SYSABEND DUMP REQUESTS OUT OF THIS CALL TO RTM SHOULD BE IGNORED
		..1.		RTM2NOSM	ON, INDICATES SLIP HAS SPECIFIED THAT SYSMDUMP REQUESTS OUT OF THIS CALL TO RTM SHOULD BE IGNORED
		...1		RTM2NOSU	ON, INDICATES SLIP HAS SPECIFIED THAT SYSUDUMP REQUESTS OUT OF THIS CALL TO RTM SHOULD BE IGNORED
		.... 1...		RTM2NOSP	ON, INDICATES SLIP HAS SPECIFIED THAT DUMP REQUESTS OUT OF THIS CALL TO RTM SHOULD NOT BE SUPPRESSED BY DUPLICATE DUMP SUPPRESSION
		.... .111		*	RESERVED
454	(1C6)	BITSTRING	1	RTM2TSKT	FLAGS USED TO COMMUNICATE WITH TASK TERMINATION
		1...		RTM2PURG	ON, PURGE ONLY ENTRY
		.111 1111		*	RESERVED
455	(1C7)	BITSTRING	1	RTM2MEMT	RESERVED FOR MEMORY TERMINATION
456	(1C8)	BITSTRING	1	RTM2ABDP	FLAGS USED TO COMMUNICATE WITH ABDUMP
		1...		RTM2DMP1	ON, DUMP ONLY ONE TASK (RETRY WITH DUMP WAS REQUESTED)
		.111 1111		*	RESERVED
457	(1C9)	BITSTRING	1	RTM2ASIR	FLAGS USED TO COMMUNICATE WITH TASK RECOVERY
		1...		RTM2TRME	ON, ENTER ONLY TERM EXITS
		.1..		RTM2UPRG	ALL REGS TO BE UPDATED
		..1.		RTM2RCRD	ACTION=RECORD FROM SLIP. RTM2 MUST RECORD
		...1		RTM2TERM	SOME RTM2WA WAS FOR TERM
		.... 1...		RTM2SPIS	SPI ISSUED SVC D
		.... .1..		*	RESERVED
		.... ..1.		RTM2UP64	64-bit halves in RTM2G64H are to be used for retry
		1		*	RESERVED
458	(1CA)	BITSTRING	2	RTM2FLX	FLAGS USED TO COMMUNICATE WITH THE EXIT HANDLER
458	(1CA)	BITSTRING	1	RTM2FLX1	
		1...		RTM2MTX	ON, MEMORY PURGE EXIT
		.1..		RTM2EOTX	ON, NORMAL END OF TASK EXIT
		..1.		RTM2ABX	ON, ABEND EXIT
		...1		RTM2DWX	ON, SUBTASK WAITING EXIT
		.... 1...		RTM2CVX	ON, CONVERT TO STEP EXIT
		.... .1..		RTM2PRX	ON, PERMANENT TASK EXIT
		.... ..1.		RTM2LTX	ON, LAST TASK EXIT
		1		RTM2RTRX	ON, RETRY EXIT
459	(1CB)	BITSTRING	1	RTM2FLX2	
		1...		RTM2RCRX	ON, RECURSION EXIT
		.1..		RTM2CERX	ON, THE RTM2 CONTROLLER HAS DETECTED AN UNRECOVERABLE ERROR. EXIT IS TO CRITICAL ERROR ROUTINE
		..11 1111		*	RESERVED
460	(1CC)	CHARACTER	20	RTM2RECL	FLAGS USED TO MAINTAIN TRACKS FOR RECURSIVE ENTRIES
460	(1CC)	CHARACTER	12	RTM2SECF	RTM2 SECTION FLAGS. THIS AREA IS MAPPED BY RTM2SECM
460	(1CC)	BITSTRING	4	RTM2SCTC	CURRENT SECTION FLAG
464	(1D0)	BITSTRING	4	RTM2SCTR	PREVIOUS SECTION FLAGS INDICATING WHICH SECTIONS HAVE SUFFERED RECURSION
468	(1D4)	BITSTRING	4	RTM2SCTX	EXIT TYPE SECTION FLAGS INDICATING WHICH SECTIONS RECURSION ADDRESS SHOULD RECEIVE CONTROL
472	(1D8)	BITSTRING	2	*	RESERVED, RTM2DCTL AND RTM2ECTL REMOVED
474	(1DA)	BITSTRING	2	RTM2TMER	RESERVED FOR EOT, MEMORY TERMINATION, TASK TERMINATION
476	(1DC)	BITSTRING	4	RTM2TRYR	RESERVED FOR TASK RECOVERY AND TERM EXIT PROCESSOR

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
476	(1DC)	BITSTRING	2	RTM2TRF1	EXTERNAL ROUTINE INDICATORS (TASK RECOVERY)
		1...		RTM2IOQS	QUIESCE IN CONTROL
		.1..		RTM2IOHS	HALT IN CONTROL
		..1.		RTM2FTLS	FIRST TIME LOGIC
		...1		RTM2GMS	GETMAIN IN CONTROL
		.... 1...		RTM2ABR	SNAP/ABDUMP IN CONTROL
		.... .1..		RTM2HOOK	GTF IN CONTROL
		.... ..1.		RTM2COPY	COPY SDWA SECTION (IN IEAVTAS2) IN CONTROL
		1		RTM2FMS	FREEMAIN IN CONTROL
477	(1DD)	1...		RTM2RCD	RECORD IN CONTROL
		.1..		RTM2RTYS	RETRY SECTION IN CONTROL
		..1.		RTM2XIP	EXIT IN PROGRESS
		...1		RTM2XABD	EXIT ABENDED
		.... 1...		RTM2XFLG	EXIT HAS BEEN ENTERED
		.... .1..		RTM2AS1R	AS1 IN CONTROL
		.... ..1.		RTM2AS2R	AS2 IN CONTROL
		1		RTM2AS3R	AS3 IN CONTROL
478	(1DE)	BITSTRING	1	RTM2TRF2	PRE EXIT RECURSION INDICATORS
		1...		RTM2IOR	I/O RECURSION
		.1..		RTM2FTLR	FIRST TIME PROCESSING RECURSION
		..1.		RTM2GMR	GETMAIN RECURSION
		...1		RTM2STXR	STAX RECURSION
		.... 1...		RTM2TIOA	TAS2 ACCESSING TIOT
		.... .111		*	RESERVED
479	(1DF)	BITSTRING	1	RTM2TRF3	EXTERNAL ROUTINE INDICATORS (TASK RECOVERY)
		1...		RTM2STX2	STAX IN CONTROL
		.1..		RTM2STXS	STAX SECTION FLAG
		..11 1111		*	RESERVED
480	(1E0)	CHARACTER	16	RTM2RECH	RECURSION HANDLER ADDRESSES
480	(1E0)	ADDRESS	4	RTM2TRRA	ADDRESS OF SUBFUNCTION RECURSION HANDLER
484	(1E4)	ADDRESS	4	RTM2SKRA	ADDRESS OF CONTROLLER RECURSION HANDLER
488	(1E8)	ADDRESS	4	RTM2STRA	ADDRESS OF STEP CONVERSION RECURSION HANDLER
492	(1EC)	ADDRESS	4	RTM2CTRA	ADDRESS OF CRITICAL RECURSION HANDLER
496	(1F0)	SIGNED	2	RTM2RECT	EXIT ROUTINE RECURSION COUNT
498	(1F2)	ADDRESS	1	RTM2WARG	WORK AREA REGISTER
499	(1F3)	ADDRESS	1	RTM2RBRG	RB REGISTER FOR RTM2 SVRB
500	(1F4)	CHARACTER	64	RTM2RRG	RECURSION REGISTERS
500	(1F4)	ADDRESS	4	RTM2RREG (16)	REGISTER VALUES TO BE LOADED BEFORE GOING TO A SUBFUNCTION RECURSION ROUTINE
564	(234)	CHARACTER	72	RTM2CRG	SAVE AREA FOR IEAVTRT2
564	(234)	ADDRESS	4	RTM2CREG (18)	REGISTER SAVE AREA FOR IEAVTRTC AND IEAVTRTE
636	(27C)	ADDRESS	4	RTM2TRSA (18)	REGISTER SAVE AREA FOR IEAVTAS2 AND IEAVTAS3
708	(2C4)	CHARACTER	64	RTM2ARER	ACCESS REGISTERS AT TIME OF ERROR
708	(2C4)	ADDRESS	4	RTM2ARE0	ACCESS REGISTER 0
712	(2C8)	ADDRESS	4	RTM2ARE1	ACCESS REGISTER 1
716	(2CC)	ADDRESS	4	RTM2ARE2	ACCESS REGISTER 2
720	(2D0)	ADDRESS	4	RTM2ARE3	ACCESS REGISTER 3
724	(2D4)	ADDRESS	4	RTM2ARE4	ACCESS REGISTER 4
728	(2D8)	ADDRESS	4	RTM2ARE5	ACCESS REGISTER 5
732	(2DC)	ADDRESS	4	RTM2ARE6	ACCESS REGISTER 6
736	(2E0)	ADDRESS	4	RTM2ARE7	ACCESS REGISTER 7
740	(2E4)	ADDRESS	4	RTM2ARE8	ACCESS REGISTER 8
744	(2E8)	ADDRESS	4	RTM2ARE9	ACCESS REGISTER 9
748	(2EC)	ADDRESS	4	RTM2AREA	ACCESS REGISTER 10
752	(2F0)	ADDRESS	4	RTM2AREB	ACCESS REGISTER 11
756	(2F4)	ADDRESS	4	RTM2AREC	ACCESS REGISTER 12
760	(2F8)	ADDRESS	4	RTM2ARED	ACCESS REGISTER 13
764	(2FC)	ADDRESS	4	RTM2AREE	ACCESS REGISTER 14
768	(300)	ADDRESS	4	RTM2AREF	ACCESS REGISTER 15
772	(304)	CHARACTER	64	RTM2ARRT	ACCESS REGISTERS FOR RETRY
772	(304)	ADDRESS	4	RTM2ARR0	ACCESS REGISTER 0
776	(308)	ADDRESS	4	RTM2ARR1	ACCESS REGISTER 1
780	(30C)	ADDRESS	4	RTM2ARR2	ACCESS REGISTER 2

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
784	(310)	ADDRESS	4	RTM2ARR3	ACCESS REGISTER 3
788	(314)	ADDRESS	4	RTM2ARR4	ACCESS REGISTER 4
792	(318)	ADDRESS	4	RTM2ARR5	ACCESS REGISTER 5
796	(31C)	ADDRESS	4	RTM2ARR6	ACCESS REGISTER 6
800	(320)	ADDRESS	4	RTM2ARR7	ACCESS REGISTER 7
804	(324)	ADDRESS	4	RTM2ARR8	ACCESS REGISTER 8
808	(328)	ADDRESS	4	RTM2ARR9	ACCESS REGISTER 9
812	(32C)	ADDRESS	4	RTM2ARRA	ACCESS REGISTER 10
816	(330)	ADDRESS	4	RTM2ARRB	ACCESS REGISTER 11
820	(334)	ADDRESS	4	RTM2ARRC	ACCESS REGISTER 12
824	(338)	ADDRESS	4	RTM2ARRD	ACCESS REGISTER 13
828	(33C)	ADDRESS	4	RTM2ARRE	ACCESS REGISTER 14
832	(340)	ADDRESS	4	RTM2ARRF	ACCESS REGISTER 15
836	(344)	CHARACTER	16	RTM2SYN	SYNCH XMENV PARAMETER LIST
836	(344)	CHARACTER	10	RTM2SYNC	FIELD NAME FOR PARMLIST
836	(344)	ADDRESS	2	RTM2SYNL	LENGTH OF PARAMETER LIST
838	(346)	CHARACTER	2	RTM2SPKM	PKM VALUE FOR EXIT ROUTINE
840	(348)	CHARACTER	2	RTM2SSAN	SASN VALUE FOR EXIT ROUTINE
842	(34A)	CHARACTER	2	RTM2SEAX	EAX VALUE FOR EXIT ROUTINE
844	(34C)	CHARACTER	2	RTM2SPAN	PASN VALUE FOR EXIT ROUTINE
846	(34E)	CHARACTER	6	*	RESERVED FOR EXPANSION OF ABOVE PARMLIST
852	(354)	CHARACTER	16	RTM2RTCD	DESCRPTION OF THE SDWA
852	(354)	ADDRESS	4	RTM2RTCA	ADDRESS OF THE USER'S SDWA
852	(354)	ADDRESS	4	RTM2SDW1	ADDRESS OF THE USER'S SDWA
856	(358)	CHARACTER	4	RTM2SPLL	SUBPL & LNGTH OF SDWA
856	(358)	UNSIGNED	1	RTM2SUBP	SUBPOOL ID OF SDWA
857	(359)	UNSIGNED	3	RTM2SIZE	LENGTH OF SDWA
860	(35C)	BITSTRING	4	RTM2ALET	ALET OF THE USERS SDWA
864	(360)	CHARACTER	4	RTM2XDES	FURTHER DESCRIPTION OF THE USERS SDWA
		1...		RTM2ALES	RTM2 HAS ISSUED ALESERV TO OBTAIN AN ALET FOR THE PRIMARY ADDRESS SPACE AT TIME OF ESTAE CREATE
868	(364)	ADDRESS	4	RTM2STRR	SAVED RTM2TRRA VALUE
872	(368)	CHARACTER	10	RTM2ERID	ERRORID
872	(368)	CHARACTER	2	RTM2SEQ#	SEQUENCE NUMBER
874	(36A)	CHARACTER	2	RTM2CPUI	LOGICAL CPUID
876	(36C)	CHARACTER	2	RTM2ERAS	ASID FOR ERROR MEMORY
878	(36E)	CHARACTER	4	RTM2ERTM	TIME STAMP
882	(372)	CHARACTER	1	*	RESERVED
883	(373)	CHARACTER	1	RTM2SFLG	SUBSPACE FLAGS
		1...		RTM2SVLD	ON IF SUBSPACE INFORMATION AT THE TIME OF ERROR (RTM2SSTK AND RTM2SNM) IS AVAILABLE AND VALID
		.1..		RTM2SSA	A SUBSPACE WAS ACTIVE AT THE TIME OF ERROR
		..11 1111		*	RESERVED
884	(374)	CHARACTER	4	RTM2PLST	FIELDS USED BY THE SNAPTRC MACRO
884	(374)	ADDRESS	4	RTM2TRSN	POINTER TO THE TRACE SNAPTRACE PARAMETER LIST (TRSN)
888	(378)	CHARACTER	8	*	
896	(380)	ADDRESS	4	RTM2SNPP	SNAP PARM LIST WORK PTR
896	(380)	CHARACTER	4	RTM2SNPW	SNAP PARM LIST WORK WORD
896	(380)	ADDRESS	2	RTM2SNPH	FIRST HALFWORD OF SNPP
898	(382)	ADDRESS	2	*	2ND HALFWORD OF SNPP
900	(384)	ADDRESS	1	RTM2TEAR	TRANSLATION EXCEPTION ADDRESS ACCESS REGISTER NUMBER
901	(385)	CHARACTER	1	RTM2MFLG	MISCELLANEOUS FLAG BYTE
		1...		RTM2TBNC	ON, INDICATES DATA IN ASSOCIATED TRACE BUFFER DOES NOT REFLECT CURRENT ERROR
		.1..		RTM2FRPR	ON, INDICATES FRR PROCESSING RECEIVED CONTROL
		..1.		RTM2TEAV	ON, INDICATES RTM2TRAN CONTAINS VALID ADDRESS
		...1		RTM2TEIV	ON, INDICATES RTM2TRAN CONTAINS VALID ASID
		.... 1...		RTM2TEPC	ON, INDICATES RTM2TRAN CONTAINS VALID PC NUMBER
		.... .11.		*	RESERVED
		1		RTM2DBKR	Processed a BAKR request
902	(386)	UNSIGNED	2	RTM2CTR	WORKAREA COUNTER, STARTING FROM ZERO

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
904	(388)	CHARACTER	68	RTM2RYRG	REG SAVEAREA FOR RETRY
904	(388)	ADDRESS	4	RTM2RYRS (16)	SAVEAREA ARRAY
968	(3C8)	SIGNED	4	RTM2TECB	TRACE PROCESS ECB
972	(3CC)	ADDRESS	4	RTM2LSBT	LINKAGE STACK BEGIN TOKEN FOR THIS LEVEL OF RTM2
976	(3D0)	ADDRESS	4	RTM2LSET	LINKAGE STACK END TOKEN FOR THIS LEVEL OF RTM2
980	(3D4)	CHARACTER	8	RTM2COMU	FRR TO ESTAE COMMUNICATION BUFFER
988	(3DC)	ADDRESS	4	RTM2SDW2	ADDRESS OF THE RTM2'S SDWA
992	(3E0)	CHARACTER	4	RTM2CRC	SAVED COPY OF REASON CODE
996	(3E4)	ADDRESS	4	RTM2ANCH	ADDRESS OF ORIGINAL RTM2WA
1000	(3E8)	ADDRESS	4	RTM2SCBP	PSEUDO SCB POINTER
1004	(3EC)	ADDRESS	4	RTM2LSCT	LINKAGE STACK CURRENT TOKEN FOR THIS LEVEL OF RTM2
1008	(3F0)	CHARACTER	16	RTM2IOMA	ADDITIONAL IO MACHINE CHECK DATA
1008	(3F0)	CHARACTER	4	*	RESERVED
1012	(3F4)	CHARACTER	4	*	RESERVED
1016	(3F8)	CHARACTER	8	RTM2MCIC	MACHINE CHECK INTERRUPTION CODE
1024	(400)	CHARACTER	28	RTM2RRD	USED FOR EXPANDED SDWARC1. THESE FIELDS ARE PASSED FROM RTM1 TO RTM2 VIA EED'S.
1024	(400)	CHARACTER	12	RTM2FAIN	SAVED COPY OF SDWAFAIN
1036	(40C)	ADDRESS	4	RTM2ASCB	SAVED COPY OF SDWAASCB
1040	(410)	ADDRESS	4	RTM2ASST	SAVED COPY OF SDWAASST
1044	(414)	CHARACTER	4	RTM2SABC	SAVED COPY OF SDWASABC
1044	(414)	CHARACTER	1	RTM2OABF	SAVED COPY OF SDWAOABF
		1111 1...		*	ENTRY FLAGS
		.... .1..		RTM2ORCF	SAVED COPY OF SDWAORCF
		11		*	ENTRY FLAGS
1045	(415)	CHARACTER	3	RTM2OCMP	SAVED COPY OF SDWAOCMP
1048	(418)	CHARACTER	4	RTM2OCRC	SAVED COPY OF SDWAOCRC
1052	(41C)	CHARACTER	64	RTM2CRER	CONTROL REGISTERS AT TIME OF ERROR
1052	(41C)	ADDRESS	4	RTM2CRE0	CONTROL REGISTER 0
1056	(420)	ADDRESS	4	RTM2CRE1	CONTROL REGISTER 1
1060	(424)	ADDRESS	4	RTM2CRE2	CONTROL REGISTER 2
1064	(428)	CHARACTER	8	RTM2XM	CROSS MEMORY INFO
1064	(428)	CHARACTER	4	RTM2CRE3	CONTROL REGISTER 3
1064	(428)	CHARACTER	4	RTM2CR3	CONTROL REGISTER 3 (OLD NAME)
1064	(428)	CHARACTER	2	RTM2KM	KEY MASK
1066	(42A)	CHARACTER	2	RTM2SASD	SASID
1068	(42C)	CHARACTER	4	RTM2CRE4	CONTROL REGISTER 4
1068	(42C)	CHARACTER	4	RTM2CR4	CONTROL REGISTER 4 (OLD NAME)
1068	(42C)	CHARACTER	2	RTM2AX	AUTHORIZATION INDEX
1070	(42E)	CHARACTER	2	RTM2PASD	PASID
1072	(430)	ADDRESS	4	RTM2CRE5	CONTROL REGISTER 5
1076	(434)	ADDRESS	4	RTM2CRE6	CONTROL REGISTER 6
1080	(438)	ADDRESS	4	RTM2CRE7	CONTROL REGISTER 7
1084	(43C)	ADDRESS	4	RTM2CRE8	CONTROL REGISTER 8
1088	(440)	ADDRESS	4	RTM2CRE9	CONTROL REGISTER 9
1092	(444)	ADDRESS	4	RTM2CREA	CONTROL REGISTER 10
1096	(448)	ADDRESS	4	RTM2CREB	CONTROL REGISTER 11
1100	(44C)	ADDRESS	4	RTM2CREC	CONTROL REGISTER 12
1104	(450)	ADDRESS	4	RTM2CRED	CONTROL REGISTER 13
1108	(454)	ADDRESS	4	RTM2CREE	CONTROL REGISTER 14
1112	(458)	ADDRESS	4	RTM2CREF	CONTROL REGISTER 15
1116	(45C)	CHARACTER	64	RTM2DUCT	DISPATCHABLE UNIT CONTROL TABLE
1180	(49C)	ADDRESS	4	RTM2RMNP	ADDRESS OF RESOURCE MANAGER PARAMETER AREA BELOW 16M
1184	(4A0)	CHARACTER	4	RTM2TEMP	GENERAL WORK AREA
1188	(4A4)	ADDRESS	4	RTM2RMAD	Address of the last resource manager called during memory termination processing
1192	(4A8)	CHARACTER	16	RTM2RMNM	Name of the last resource manager called during memory termination processing
1208	(4B8)	CHARACTER	4	*	RESERVED
1212	(4BC)	ADDRESS	4	RTM2IRBX	USED TO SAVE IRB POINTER DURING ACCESS LIST RESTORATION CALCULATIONS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
1216	(4C0)	ADDRESS	4	RTM2SAVE	USED TO SAVE AN RTM2WA POINTER DURING ACCESS LIST RESTORATION CALCULATIONS
1220	(4C4)	ADDRESS	4	RTM2ALSV	USED TO SAVE ALOV VALUE DURING ACCESS LIST RESTORATION CALCULATIONS
1224	(4C8)	ADDRESS	4	RTM2LNSV	USED TO SAVE ALD VALUE DURING ACCESS LIST RESTORATION CALCULATIONS
1228	(4CC)	ADDRESS	4	RTM2LSRM	Used to hold the current level of the Linkage Stack upon RTMs first entry to resource mgrs for the current Task
1232	(4D0)	CHARACTER	96	RTM2SLPL	USED FOR SLPL
1328	(530)	ADDRESS	4	RTM2NSCB	First SCB to cause STCBNOAB to be set
1332	(534)	CHARACTER	24	RTM2RECP	USED TO HOLD RTM2'S COPY OF THE RECORDING PARAMETERS
1332	(534)	CHARACTER	8	RTM2MODN	THE LOAD MODULE NAME INVOLVED IN THE ABEND
1340	(53C)	CHARACTER	8	RTM2CSCT	THE CSECT NAME INVOLVED IN THE ABEND
1348	(544)	CHARACTER	8	RTM2REXN	THE RECOVERY ROUTINE NAME INVOLVED IN THE ABEND
1356	(54C)	ADDRESS	4	RTM2RME	ADDRESS OF RME IN ERROR
1360	(550)	ADDRESS	4	RTM2RETY	DYNAMIC RESOURCE MANAGER RETRY ADDRESS
1364	(554)	CHARACTER	68	RTM2ARRW	STRUCTURE FOR ARR DATA AND PARAMETER LIST
1364	(554)	CHARACTER	16	RTM2ARRP	IEAVXREX PARAMETER LIST
1364	(554)	ADDRESS	4	RTM2ARP1	ADDR OF ARR PC NUMBER
1368	(558)	ADDRESS	4	RTM2ARP2	ADDR OF ARR ASN
1372	(55C)	ADDRESS	4	RTM2ARP3	ADDR OF ARR 32 BYTE ETE COPY
1376	(560)	ADDRESS	4	RTM2ARP4	ADDR OF ARR RECOVERY DATA
1380	(564)	CHARACTER	4	RTM2ARPC	ARR PC NUMBER
1384	(568)	CHARACTER	4	RTM2ARID	ARR ASN
1388	(56C)	ADDRESS	4	RTM2LVL	LEVEL FOR ARR RECOVERY
1392	(570)	CHARACTER	32	RTM2ARET	ETE COPY FOR THIS ARR
1424	(590)	CHARACTER	8	RTM2ARRX	ARR RECOVERY DATA
1424	(590)	ADDRESS	4	RTM2ARAD	ARR RECOVERY ADDRESS
1428	(594)	BITSTRING	4	RTM2ARRO	ARR OPTIONS
		1...		RTM2ANCN	ON, ARR CAN NOT BE CANCELLED
		.1..		RTM2ANAS	ON, ARR CAN NOT BE INTERRUPTED BY ASYNCHRONOUS EVENTS
1432	(598)	ADDRESS	4	RTM2CSCB	FIRST SCB CAUSING STCBNCNL BIT TO BE SET ON
1436	(59C)	ADDRESS	4	RTM2LSO	INDICATES END OF LINKAGE STACK FOR TERM PROCESSING
1440	(5A0)	ADDRESS	4	RTM2CDEO	WORKING COPY OF DUCT_SSASTEO FOR RTM2 INTERNAL PROCESSING USE
		1...		RTM2CDSA	WORKING COPY OF DUCTSA FOR RTM2 INTERNAL PROCESSING
1444	(5A4)	ADDRESS	4	RTM2CDSN	WORKING COPY OF DUCT_SSASTESN FOR RTM2 INTERNAL PROCESSING USE
1448	(5A8)	CHARACTER	8	RTM2SSTK	STOKEN OF THE ACTIVE SUBSPACE AT TIME OF ERROR - ONLY VALID IF RTM2SVLD IS ON
1456	(5B0)	CHARACTER	8	RTM2SNM	NAME OF THE ACTIVE SUBSPACE AT TIME OF ERROR - ONLY VALID IF RTM2SVLD IS ON
1464	(5B8)	CHARACTER	16	*	RESERVED FOR SERVICE USE
1480	(5C8)	CHARACTER	64	RTM2G64H	High halves of 64-bit GPRs from Time Of Error
1480	(5C8)	ADDRESS	4	RTM2G64HR (0 15)	Individual high-half
1544	(608)	CHARACTER	64	RTM2G6RT	G64HS FOR RETRY
1544	(608)	ADDRESS	4	RTM2G6R0	G64H 0
1548	(60C)	ADDRESS	4	RTM2G6R1	G64H 1
1552	(610)	ADDRESS	4	RTM2G6R2	G64H 2
1556	(614)	ADDRESS	4	RTM2G6R3	G64H 3
1560	(618)	ADDRESS	4	RTM2G6R4	G64H 4
1564	(61C)	ADDRESS	4	RTM2G6R5	G64H 5
1568	(620)	ADDRESS	4	RTM2G6R6	G64H 6
1572	(624)	ADDRESS	4	RTM2G6R7	G64H 7
1576	(628)	ADDRESS	4	RTM2G6R8	G64H 8
1580	(62C)	ADDRESS	4	RTM2G6R9	G64H 9
1584	(630)	ADDRESS	4	RTM2G6RA	G64H 10
1588	(634)	ADDRESS	4	RTM2G6RB	G64H 11
1592	(638)	ADDRESS	4	RTM2G6RC	G64H 12

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
1596	(63C)	ADDRESS	4	RTM2G6RD	G64H 13
1600	(640)	ADDRESS	4	RTM2G6RE	G64H 14
1604	(644)	ADDRESS	4	RTM2G6RF	G64H 15
1608	(648)	CHARACTER	128	RTM2C64S	ESAME CRs
1736	(6C8)	CHARACTER	8	RTM2TRNE	8-byte TEA
1744	(6D0)	CHARACTER	0	RTM2END	END OF THE RTM2WA

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	240	RTM2DPSL	DUMP STORAGE LISTS
0	(0)	CHARACTER	8	RTM2DPSA (30)	DUMP STORAGE RANGE PAIRS (MAXIMUM OF 30)
0	(0)	ADDRESS	4	RTM2DB	BEGIN ADDRESS
4	(4)	ADDRESS	4	RTM2DE	END ADDRESS
		1...		RTM2LDE	ON, LAST RANGE SPECIFIED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	16	RTM2SPLE	UP TO 7 SUBPOOL IDS SPECIFIED VIA DUMPOPT ON ABEND, CALLRTM AND/OR SETRP.
0	(0)	SIGNED	2	RTM2SPLN	NUMBER OF SUBPOOLS
2	(2)	SIGNED	2	RTM2SPLS (7)	IDS OF SUBPOOLS TO BE DUMPED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	240	RTM2DXSL	DUMPOPX STORAGE LISTS
0	(0)	CHARACTER	16	RTM2DXSR (15)	DUMPOPX STORAGE RANGES AND STOKENS
0	(0)	ADDRESS	4	RTM2DXBG	BEGIN ADDRESS
4	(4)	ADDRESS	4	RTM2DXEN	END ADRRESS
		1...		RTM2DXLE	ON, LAST RANGE SPECIFIED
8	(8)	CHARACTER	8	RTM2DXST	STOKEN FOR RANGE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	200	RTM2RMIN	RESOURCE MANAGER PARAMETER AREA, ALWAYS BELOW THE LINE
0	(0)	SIGNED	4	RTM2RMLN	LENGTH OF THIS AREA TO FREE
4	(4)	ADDRESS	4	RTM2RMPS	ADDR OF THE RESOURCE MANAGER PARAMETER LIST (RTM2RMPL)
4	(4)	ADDRESS	4	RTM2RMP1	ADDRESS OF THE RESOURCE MANAGER PARAMETER LIST
8	(8)	ADDRESS	4	RTM2RMP2	ADDRESS OF PARAM VALUE SPECIFIED ON RESMGR INVOCATION OR ZERO IF PARAM NOT SPECIFIED
12	(C)	CHARACTER	24	RTM2RMPL	R/M PARM LIST
36	(24)	CHARACTER	8	RTM2PARM	PARAM VALUE SPECIFIED ON RESMGR INVOCATION
44	(2C)	CHARACTER	64	RTM2RMWA	FIELD REFERENCE NAME FOR RTM2RMWS
44	(2C)	ADDRESS	4	RTM2RMWS (16)	WORK AREA FOR RESOURCE MANAGER USE
108	(6C)	ADDRESS	4	RTM2RMSA (18)	RESOURCE MGR SAVE AREA
180	(B4)	ADDRESS	4	RTM2IOBP	4-BYTE PTR TO I/O RESTORE CHAIN
180	(B4)	CHARACTER	1	*	RESERVED
181	(B5)	ADDRESS	3	RTM2FIOB	ADDRESS OF I/O RESTORE CHAIN
184	(B8)	CHARACTER	8	RTM2EXCL	PARM LIST FOR EXCPEXCL
192	(C0)	CHARACTER	8	RTM2CLPL	CLOSE PARMLIST
192	(C0)	ADDRESS	4	RTM2DCBA	ADDRESS OF A DCB TO BE CLOSED BY TASK RECOVERY PRIOR TO RETRY
196	(C4)	ADDRESS	4	*	SECOND WORD OF CLOSE PARMLIST - MUST BE ZEROS

RTM2WA Constants

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	4	RTM2SECM	DOCUMENT THE MEANING OF THE RTM2 RECURSION BITS
		1...		RTMIPCS	ON, INITIAL PURGES INVOKED BY CONTROLLER HAS CONTROL
		.1..		RTMT1MS	ON, TYPE 1 MESSAGE WRITE ROUTINE HAS CONTROL
		..1.		RTMDMPS	ON, COPY DUMP OPTIONS HAS CONTROL
		...1		RTMASYS	ON, FLAGGING ASYNCHRONOUS EXITS FROM POTENTIALLY RECOVERABLE PATH HAS CONTROL.
		.... 1...		RTMSMCS	ON, DETERMINE SCOPE HAS CONTROL
		.... .1..		RTMIQES	ON, FLAGGING ASYNCHRONOUS EXITS FROM EXPRESS PATH HAS CONTROL
		.... ..1.		RTMEPS	ON, INITIAL SUBTASK PROCESSING FROM EXPRESS PATH HAS CONTROL
		1		RTMISPS	ON, INITIAL SUBTASK PROCESSING FROM ABEND HAS CONTROL
1	(1)	1...		RTMSTKS	ON, STACKING HAS CONTROL
		.1..		RTMEXTS	ON, EXIT IN PROGRESS
		..1.		RTMTRS	ON, TASK RECOVERY HAS CONTROL
		...1		RTMSLPS	ON, SLIP PROCESSING HAS CONTROL
		.... 1...		RTMDPS	ON, DUMP HAS CONTROL
		.... .1..		RTMTSTS	ON, TASK TERMINATION HAS CONTROL
		.... ..1.		RTMSRBS	ON,RBSETUP HAS CONTROL
		1		RTMTREC	ON,TRACE COPY RECURSION
2	(2)	1...		RTMTREF	ON, FREEING TRACE TABLE COPY HEADER HAS CONTROL
		.1..		RTMFINS	ON, GATHER FAILING INSTRUCTION SUBROUTINE HAS CONTROL
		..1.		RTMPRG	ON, TASK PURGE RECURSION

RTM2WA Constants

Len	Type	Value	Name	Description
4	DECIMAL	4	MAXECBS	DEFINES THE NUMBER OF ECBS TO BE USED WHILE STACKING
4	DECIMAL	1	RTM2IPCS	ON, INITIAL PURGES INVOKED BY CONTROLLER HAS CONTROL
4	DECIMAL	2	RTM2T1MS	ON, TYPE 1 MESSAGE WRITE ROUTINE HAS CONTROL
4	DECIMAL	3	RTM2DMPS	ON, COPY DUMP OPTIONS HAS CONTROL
4	DECIMAL	4	RTM2ASYS	ON, FLAGGING ASYNCHRONOUS EXITS FROM POTENTIALLY RECOVERABLE PATH HAS CONTROL.
4	DECIMAL	5	RTM2SMCS	ON, DETERMINE SCOPE HAS CONTROL
4	DECIMAL	6	RTM2IQES	ON, FLAGGING ASYNCHRONOUS EXITS FROM EXPRESS PATH HAS CONTROL
4	DECIMAL	7	RTM2EPS	ON, INITIAL SUBTASK PROCESSING FROM EXPRESS PATH HAS CONTROL.
4	DECIMAL	8	RTM2ISPS	ON, INITIAL SUBTASK PROCESSING FROM ABEND HAS CONTROL
4	DECIMAL	9	RTM2STKS	ON, STACKING HAS CONTROL
4	DECIMAL	10	RTM2EXTS	ON, EXIT IN PROGRESS
4	DECIMAL	11	RTM2TRS	ON, TASK RECOVERY HAS CONTROL
4	DECIMAL	12	RTM2SLPS	ON, SLIP PROCESSING HAS CONTROL
4	DECIMAL	13	RTM2DPS	ON, DUMP HAS CONTROL
4	DECIMAL	14	RTM2TSTS	ON, TASK TERMINATION HAS CONTROL
4	DECIMAL	15	RTM2SRBS	ON,RBSETUP HAS CONTROL
4	DECIMAL	16	RTM2TREC	ON,TRACE COPY RECURSION
4	DECIMAL	17	RTM2TREF	ON, FREEING TRACE TABLE COPY HEADER HAS CONTROL
4	DECIMAL	18	RTM2FINS	ON, GATHER FAILING INSTRUCTION SUBROUTINE HAS CONTROL
4	DECIMAL	19	RTM2PRG	ON, TASK PURGE RECURSION

Len	Type	Value	Name	Description
Comment				
WHEN THIS LIST IS ADDED TO, ADD TO THE RTM2SECM LIST ALSO				
End of Comment				
4	DECIMAL	1	SCBSTART	CONSTANT USED TO INDICATE INITIAL ENTRY TO TASK RECOVERY

RTM2WA Cross Reference

Name	Hex Offset	Hex Value
RTMASYS	0	10
RTMDMPS	0	20
RTMDPS	1	08
RTMEPS	0	02
RTMEXTS	1	40
RTMFINS	2	40
RTMIPCS	0	80
RTMIQES	0	04
RTMISPS	0	01
RTMPRG	2	20
RTMSLPS	1	10
RTMSMCS	0	08
RTMSRBS	1	02
RTMSTKS	1	80
RTMTREC	1	01
RTMTREF	2	80
RTMTRS	1	20
RTMTSTS	1	04
RTMT1MS	0	40
RTM2ABDP	1C8	
RTM2ABDR	1C1	
RTM2ABEP	94	
RTM2ABND	1C2	
RTM2ABNM	8C	
RTM2ABR	1DC	08
RTM2ABTM	B4	08
RTM2ABX	1CA	20
RTM2ACR	A1	08
RTM2ADDR	4	
RTM2ADD1	81	
RTM2AEC1	84	
RTM2AIO1	7C	02
RTM2ALES	360	80
RTM2ALET	35C	
RTM2ALSV	4C4	
RTM2ANAS	594	40
RTM2ANCH	3E4	
RTM2ANCN	594	80
RTM2APSW	7C	
RTM2ARAD	590	
RTM2AREA	2EC	
RTM2AREB	2F0	
RTM2AREC	2F4	
RTM2ARED	2F8	
RTM2AREE	2FC	
RTM2AREF	300	
RTM2ARER	2C4	
RTM2ARET	570	
RTM2ARE0	2C4	
RTM2ARE1	2C8	
RTM2ARE2	2CC	
RTM2ARE3	2D0	
RTM2ARE4	2D4	
RTM2ARE5	2D8	
RTM2ARE6	2DC	
RTM2ARE7	2E0	
RTM2ARE8	2E4	
RTM2ARE9	2E8	
RTM2ARID	568	
RTM2ARPC	564	
RTM2ARP1	554	
RTM2ARP2	558	
RTM2ARP3	55C	
RTM2ARP4	560	
RTM2ARRA	32C	
RTM2ARRB	330	
RTM2ARRC	334	
RTM2ARRD	338	
RTM2ARRE	33C	
RTM2ARRF	340	
RTM2ARRO	594	
RTM2ARRP	554	
RTM2ARRT	304	
RTM2ARRW	554	
RTM2ARRX	590	
RTM2ARR0	304	
RTM2ARR1	308	
RTM2ARR2	30C	
RTM2ARR3	310	
RTM2ARR4	314	
RTM2ARR5	318	
RTM2ARR6	31C	
RTM2ARR7	320	
RTM2ARR8	324	
RTM2ARR9	328	
RTM2ASC	18	
RTM2ASCB	40C	
RTM2ASCM	7E	C0
RTM2ASIR	1C9	
RTM2ASST	410	
RTM2AS1R	1DD	04
RTM2AS2R	1DD	02
RTM2AS3R	1DD	01
RTM2AX	42C	
RTM2BFTL	1C3	08
RTM2CC	1D	
RTM2CCA	F0	30
RTM2CCF	1C	
RTM2CCP	F8	30
RTM2CCTL	1BD	
RTM2CC1	7E	30
RTM2CDEO	5A0	
RTM2CDSA	5A0	80
RTM2CDSN	5A4	

RTM2WA Cross Reference

Name	Hex Offset	Hex Value
RTM2CERX	1CB	40
RTM2CHNG	A4	01
RTM2CLPL	C0	
RTM2CLUP	B7	80
RTM2CMKA	EC	
RTM2CMKP	F4	
RTM2CNCL	1BD	40
RTM2CODE	1C	
RTM2COMF	1C4	
RTM2COMP	DC	
RTM2COMU	3D4	
RTM2CONT	1BD	01
RTM2COPY	1DC	02
RTM2CPID	A2	
RTM2CPUI	36A	
RTM2CRC	3E0	
RTM2CREA	444	
RTM2CREB	448	
RTM2CREC	44C	
RTM2CRED	450	
RTM2CREE	454	
RTM2CREF	458	
RTM2CREG	234	
RTM2CRER	41C	
RTM2CRE0	41C	
RTM2CRE1	420	
RTM2CRE2	424	
RTM2CRE3	428	
RTM2CRE4	42C	
RTM2CRE5	430	
RTM2CRE6	434	
RTM2CRE7	438	
RTM2CRE8	43C	
RTM2CRE9	440	
RTM2CRG	234	
RTM2CR3	428	
RTM2CR4	42C	
RTM2CSCB	598	
RTM2CSCT	53C	
RTM2CT	38	
RTM2CTLR	1C4	
RTM2CTL1	EC	
RTM2CTL2	F4	
RTM2CTR	386	
RTM2CTRA	1EC	
RTM2CTS	B7	10
RTM2CVER	BA	
RTM2CVT	C	
RTM2CVX	1CA	08
RTM2C64S	648	
RTM2DB	0	
RTM2DBKR	385	01
RTM2DCBA	C0	
RTM2DD	134	
RTM2DE	4	
RTM2DEC1	7E	04
RTM2DEND	1BE	40
RTM2DESC	0	
RTM2DETF	1BD	20
RTM2DMPC	1C5	
RTM2DMP1	1C8	80
RTM2DOA	F0	04
RTM2DOP	F8	04
RTM2DPLA	FC	
RTM2DPSA	0	
RTM2DPSL	0	
RTM2DREQ	1C	80
RTM2DSAL	130	
RTM2DSPP	12C	
RTM2DTCB	140	
RTM2DUCT	45C	
RTM2DWX	1CA	10
RTM2DXBG	0	
RTM2DXC	8B	
RTM2DXEN	4	
RTM2DXLE	4	80
RTM2DXSL	0	
RTM2DXSR	0	
RTM2DXST	8	
RTM2EAM1	7C	08
RTM2EAS	B6	08
RTM2ECBA	144	
RTM2ECBS	154	
RTM2ECT1	7D	08
RTM2EEDH	98	
RTM2EEDR	3C	
RTM2EMK1	7C	
RTM2END	6D0	
RTM2ENRB	B5	04
RTM2EOM	1C	10
RTM2EOT	1C	08
RTM2EOTX	1CA	40
RTM2EPSW	7C	
RTM2ERAS	36C	
RTM2EREG	3C	
RTM2ERFL	B7	01
RTM2ERID	368	
RTM2ERME	D5	80
RTM2ERRA	B4	
RTM2ERRB	B5	
RTM2ERRC	B6	
RTM2ERRD	B7	
RTM2ERTM	36E	
RTM2ER0	3C	
RTM2ER1	40	
RTM2ER10	64	
RTM2ER11	68	
RTM2ER12	6C	
RTM2ER13	70	
RTM2ER14	74	
RTM2ER15	78	
RTM2ER2	44	
RTM2ER3	48	
RTM2ER4	4C	
RTM2ER5	50	
RTM2ER6	54	
RTM2ER7	58	
RTM2ER8	5C	
RTM2ER9	60	
RTM2EUA	F0	02
RTM2EUP	F8	02
RTM2EXCL	B8	
RTM2EXP1	7E	02
RTM2EXTA	EC	01
RTM2EXTP	F4	01
RTM2EXT1	7C	01
RTM2FAIN	400	
RTM2FIOB	B5	
RTM2FLAG	D4	
RTM2FLGS	B4	

Name	Hex Offset	Hex Value
RTM2FLG2	D5	
RTM2FLSQ	A5	04
RTM2FLX	1CA	
RTM2FLX1	1CA	
RTM2FLX2	1CB	
RTM2FMID	B8	
RTM2FMS	1DC	01
RTM2FOUN	D6	40
RTM2FPA	F0	08
RTM2FPO1	7E	08
RTM2FPP	F8	08
RTM2FRPR	385	40
RTM2FSQA	A5	08
RTM2FTLR	1DE	40
RTM2FTLS	1DC	20
RTM2GLBA	D4	80
RTM2GLBT	D4	40
RTM2GMR	1DE	20
RTM2GMS	1DC	10
RTM2G6RA	630	
RTM2G6RB	634	
RTM2G6RC	638	
RTM2G6RD	63C	
RTM2G6RE	640	
RTM2G6RF	644	
RTM2G6RT	608	
RTM2G6R0	608	
RTM2G6R1	60C	
RTM2G6R2	610	
RTM2G6R3	614	
RTM2G6R4	618	
RTM2G6R5	61C	
RTM2G6R6	620	
RTM2G6R7	624	
RTM2G6R8	628	
RTM2G6R9	62C	
RTM2G64H	5C8	
RTM2G64HR	5C8	
RTM2HEED	1BD	04
RTM2HLST	114	
RTM2HOOK	1DC	04
RTM2ICD1	87	
RTM2ID	0	
RTM2IENV	D6	20
RTM2ILA	F0	C0
RTM2ILC1	85	
RTM2ILP	F8	C0
RTM2IL1	85	06
RTM2IMC1	87	40
RTM2INC1	86	
RTM2INPG	1BE	08
RTM2INSF	A1	04
RTM2INTA	EE	
RTM2INTC	A5	40
RTM2INTF	1C4	
RTM2INTP	F6	
RTM2INT1	7E	
RTM2INVP	A0	10
RTM2IOA	EC	FE
RTM2IOBP	B4	
RTM2IOFS	BA	
RTM2IOHS	1DC	40
RTM2IOHT	BA	40
RTM2IOMA	3F0	
RTM2IOP	F4	FE
RTM2IOQR	BA	80
RTM2IOQS	1DC	80
RTM2IOR	1DE	80
RTM2IPC1	87	3F
RTM2IPR1	87	80
RTM2IRB	B6	20
RTM2IRBP	D6	80
RTM2IRBX	4BC	
RTM2ISPC	1BD	10
RTM2JPAQ	1C3	02
RTM2KEYA	ED	F0
RTM2KEYP	F5	F0
RTM2KEY1	7D	F0
RTM2KM	428	
RTM2LDE	4	80
RTM2LDIS	B5	02
RTM2LECB	144	80
RTM2LGTH	9	
RTM2LNSV	4C8	
RTM2LOCT	D4	08
RTM2LPAQ	1C3	04
RTM2LSBT	3CC	
RTM2LSCT	3EC	
RTM2LSET	3D0	
RTM2LSO	59C	
RTM2LSRM	4CC	
RTM2LSRT	C4	
RTM2LTX	1CA	02
RTM2LVL	56C	
RTM2MABD	B7	08
RTM2MCHD	A1	
RTM2MCHI	A0	
RTM2MCHK	B4	80
RTM2MCHS	A0	
RTM2MCIC	3F8	
RTM2MCIV	B7	02
RTM2MCKA	ED	04
RTM2MCKP	F5	04
RTM2MCK1	7D	04
RTM2MCTL	1C0	
RTM2MEMT	1C7	
RTM2MFLG	385	
RTM2MODN	534	
RTM2MOD1	80	80
RTM2MSER	A4	02
RTM2MTX	1CA	80
RTM2MWPA	ED	
RTM2MWPP	F5	
RTM2MWP1	7D	
RTM2NDMP	1C2	80
RTM2NIOP	BA	10
RTM2NODP	1BE	10
RTM2NOIO	BA	20
RTM2NOSA	1C5	40
RTM2NOSM	1C5	20
RTM2NOSP	1C5	08
RTM2NOSU	1C5	10
RTM2NOSV	1C5	80
RTM2NRBE	B7	40
RTM2NSCB	530	
RTM2NUCL	A5	10
RTM2NXTA	F1	
RTM2NXTP	F9	
RTM2NXT1	80	
RTM2OABF	414	

RTM2WA Cross Reference

Name	Hex Offset	Hex Value
RTM2OCMP	415	
RTM2OCRC	418	
RTM2OFLN	A5	80
RTM2ORCF	414	04
RTM2PARM	24	
RTM2PARQ	E8	
RTM2PASD	42E	
RTM2PCAX	D6	10
RTM2PCHK	B4	40
RTM2PDIP	B5	80
RTM2PERC	B6	10
RTM2PER1	7C	40
RTM2PGCY	3C	
RTM2PGFX	A5	02
RTM2PGIO	1BE	02
RTM2PGM1	7D	01
RTM2PKEY	1BC	
RTM2PLST	374	
RTM2PMKA	F0	
RTM2PMKP	F8	
RTM2PPIO	1BE	04
RTM2PREV	16C	
RTM2PRWA	170	
RTM2PRX	1CA	04
RTM2PSWU	A1	20
RTM2PSW1	7C	
RTM2PURG	1C6	80
RTM2RA64	E3	01
RTM2RBPR	D8	
RTM2RBRG	1F3	
RTM2RBST	C0	
RTM2RCD	1DD	80
RTM2RCDE	E8	
RTM2RCDF	A0	40
RTM2RCRD	1C9	20
RTM2RCRX	1CB	80
RTM2RCTL	1C3	
RTM2RCT2	D6	
RTM2REAF	1C	04
RTM2RECH	1E0	
RTM2RECL	1CC	
RTM2RECP	534	
RTM2RECR	1C4	80
RTM2RECT	1F0	
RTM2REED	1BD	08
RTM2REGU	A1	40
RTM2RETR	1C4	40
RTM2RETY	550	
RTM2REXN	544	
RTM2RFSA	A8	
RTM2RGEB	1BE	20
RTM2RKEY	B4	20
RTM2RMAD	4A4	
RTM2RME	54C	
RTM2RMIN	0	
RTM2RMLN	0	
RTM2RMNM	4A8	
RTM2RMNP	49C	
RTM2RMPL	C	
RTM2RMPS	4	
RTM2RMP1	4	
RTM2RMP2	8	
RTM2RMSA	6C	
RTM2RMWA	2C	
RTM2RMWS	2C	
RTM2RPIV	B7	04
RTM2RRD	400	
RTM2RREG	1F4	
RTM2RRG	1F4	
RTM2RSCN	1BE	80
RTM2RSRC	A0	08
RTM2RSRF	A0	04
RTM2RSR1	A4	
RTM2RSR2	A5	
RTM2RTCA	354	
RTM2RTCD	354	
RTM2RTRX	1CA	01
RTM2RTYA	E0	
RTM2RTYS	1DD	40
RTM2RT2D	8	
RTM2RYRB	E4	
RTM2RYRG	388	
RTM2RYRS	388	
RTM2R0DP	1C	20
RTM2SABC	414	
RTM2SALE	11C	
RTM2SASD	42A	
RTM2SAVE	4C0	
RTM2SCBC	C8	
RTM2SCBN	CC	
RTM2SCBO	D0	
RTM2SCBP	3E8	
RTM2SCBS	C8	
RTM2SCK	A1	10
RTM2SCKB	98	
RTM2SCKE	9C	
RTM2SCTC	1CC	
RTM2SCTL	1BD	
RTM2SCTR	1D0	
RTM2SCTX	1D4	
RTM2SDAB	1C3	01
RTM2SDWK	BB	
RTM2SDW1	354	
RTM2SDW2	3DC	
RTM2SEAX	34A	
RTM2SECB	144	
RTM2SECF	1CC	
RTM2SECM	0	
RTM2SEQ#	368	
RTM2SFLG	373	
RTM2SFRG	174	
RTM2SFSA	174	
RTM2SFWA	20	
RTM2SGA	F0	01
RTM2SGN1	7E	01
RTM2SGP	F8	01
RTM2SIZE	359	
RTM2SKRA	1E4	
RTM2SKYF	A1	80
RTM2SLIP	1BD	02
RTM2SLPL	4D0	
RTM2SNAP	FC	
RTM2SNCC	13C	
RTM2SNM	5B0	
RTM2SNPH	380	
RTM2SNPL	100	
RTM2SNPP	380	
RTM2SNPW	380	
RTM2SNPX	11C	
RTM2SOFT	A1	02

Name	Hex Offset	Hex Value
RTM2SPAN	34C	
RTM2SPEA	D4	20
RTM2SPER	A5	20
RTM2SPET	D4	10
RTM2SPID	8	
RTM2SPIS	1C9	08
RTM2SPKM	346	
RTM2SPLE	0	
RTM2SPLL	358	
RTM2SPLN	0	
RTM2SPLS	2	
RTM2SPLV	1C4	04
RTM2SPRM	100	
RTM2SPSL	110	
RTM2SPSP	118	
RTM2SPVA	ED	01
RTM2SPVP	F5	01
RTM2SRBM	B5	01
RTM2SRVL	A0	80
RTM2SSA	373	40
RTM2SSAN	348	
RTM2SSTK	5A8	
RTM2STAE	B7	20
RTM2STAF	B6	80
RTM2STAI	B6	40
RTM2STA2	1C3	80
RTM2STCK	98	
RTM2STEP	1C	40
RTM2STKN	12C	
RTM2STPT	1BD	80
RTM2STRA	1E8	
RTM2STRM	B4	01
RTM2STRR	364	
RTM2STRV	1C4	08
RTM2STXR	1DE	10
RTM2STXS	1DF	40
RTM2STX2	1DF	80
RTM2SUBP	358	
RTM2SUBR	1BE	01
RTM2SVCD	B4	10
RTM2SVCE	B4	04
RTM2SVLD	373	80
RTM2SYN	344	
RTM2SYNC	344	
RTM2SYNL	344	
RTM2S1	7E	80
RTM2S2	7E	40
RTM2TBNC	385	80
RTM2TCBC	10	
RTM2TCBT	30	
RTM2TCTL	1BF	
RTM2TEAR	384	
RTM2TEAV	385	20
RTM2TECB	3C8	
RTM2TEIV	385	10
RTM2TEMP	4A0	
RTM2TEPC	385	08
RTM2TERM	1C9	10
RTM2TERR	A1	01
RTM2TEXC	B4	02
RTM2TIME	AC	
RTM2TIOA	1DE	08
RTM2TMEM	1C4	20
RTM2TMER	1DA	
RTM2TRAN	88	
RTM2TRF1	1DC	
RTM2TRF2	1DE	
RTM2TRF3	1DF	
RTM2TRME	1C9	80
RTM2TRM1	7C	04
RTM2TRNE	6C8	
RTM2TRRA	1E0	
RTM2TRRC	BA	
RTM2TRRY	3C	
RTM2TRSA	27C	
RTM2TRSN	374	
RTM2TRSW	1C3	10
RTM2TRYR	1DC	
RTM2TR2D	D5	40
RTM2TSKT	1C6	
RTM2TSVL	A0	20
RTM2TYP1	B5	08
RTM2UPRG	1C9	40
RTM2UP64	1C9	02
RTM2VEQR	A5	01
RTM2VRBC	14	
RTM2VRBT	34	
RTM2VRIV	A0	02
RTM2WA	0	
RTM2WAIN	1C3	40
RTM2WANA	1C3	20
RTM2WARG	1F2	
RTM2WATA	ED	02
RTM2WATP	F5	02
RTM2WAT1	7D	02
RTM2WRAP	1C4	10
RTM2XABD	1DD	10
RTM2XAM	7C	08
RTM2XDES	360	
RTM2XFLG	1DD	08
RTM2XIP	1DD	20
RTM2XM	428	
RTM2XSTV	1C4	01
RTM2XWRP	1C4	02

RTSD Heading Information

Common Name: RTCT SDUMP EXTENSION
Macro ID: IHARTSD
DSECT Name: RTSD
Owning Component: SVC Dump (SCDMP)
Eye-Catcher ID: RTSD
Offset: 0
Length: 4
Storage Attributes: Main Storage: One per system
Subpool: 239
Key: 0
Residency: Above 16M
Size: 2684 bytes
Created by: IEAVTSDI
Pointed to by: RTCTRTSD
Serialization: Same as the RTCT
Function: USED TO SAVE THE FOLLOWING SVC DUMP INFORMATION THAT MUST BE IN FIXED STORAGE:
1. USER PARAMETER LIST
2. USER HEADER DATA
3 STORAGE RANGES FROM STORAGE, LIST OR LISTA
4. SUBPOOL LIST
5. KEY LIST
6. CROSS MEMORY STATUS INFORMATION
7. REGISTERS AND PSW AT TIME OF SLIP TRAP
8. CALLERS CONTROL REGISTERS
9. CALLERS ACCESS REGISTERS
10. CALLERS SDWA ON BRANCH ENTRY SDUMPS
11. OTHER INFORMATION DESCRIBING THE CALLERS STATE
THE RTSD ALSO CONTAINS WORKING STORAGE USED BY IEAVTSDX, IEAVAD00, AND IEAVTSPR TO PROCESS THE USER PARAMETER LIST.

RTSD Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	2888	RTSD	RTCT SDUMP EXTENSION
0	(0)	CHARACTER	56	RTSDKEEP	STATIC PORTION OF RTSD
0	(0)	CHARACTER	4	RTSDID	EBCDIC IDENTIFIER -RTSD-
4	(4)	ADDRESS	4	RTSDEXTB	ADDRESS OF SDUMP EXIT TABLE
8	(8)	CHARACTER	4	RTSDDNUM	DUMP NUMBER FOR PRDSEQ
8	(8)	UNSIGNED	2	RTSDSVNM	NUMBER OF SVC DUMPS
10	(A)	UNSIGNED	2	RTSDALLD	NUMBER OF SVC DUMPS AND SYSMDUMPS
12	(C)	ADDRESS	4	RTSDDPPF	DPL-in-DUMPSRV-private queue first element (forward)
16	(10)	ADDRESS	4	RTSDDPPB	DPL-in-DUMPSRV-private queue last element (backward)
20	(14)	CHARACTER	8	RTSDSTKN	STOKEN of DUMPSRV address space
28	(1C)	ADDRESS	4	RTSDSTRB	Pointer to the beginning of the STRLIST structure and range table - used by SDUMP only
32	(20)	ADDRESS	4	RTSDSTRE	Pointer to the last byte of the STRLIST structure and range table
36	(24)	ADDRESS	4	RTSDCRSA	Pointer to the CRSA passed as input to IXLXLFXR

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
40	(28)	ADDRESS	4	RTSDDBUF	Pointer to data buffer passed as input to IXLXLFXR
44	(2C)	ADDRESS	4	RTSDXADR	Address of RTSD extension
48	(30)	CHARACTER	8	*	Reserved
56	(38)	CHARACTER	12	*	RESERVED
68	(44)	SIGNED	2	RTSDHAID	ASID OF THE CALLERS HOME ADDRESS SPACE
70	(46)	SIGNED	2	*	RESERVED
72	(48)	CHARACTER	8	RTSDXPSW	CROSS MEMORY PSW ON ENTRY TO SDUMP
80	(50)	CHARACTER	8	RTSDRSAD	ADDRESSABILITY TO THE CALLERS REGISTER SAVE AREA
80	(50)	UNSIGNED	2	*	RESERVED
82	(52)	UNSIGNED	2	RTSDRSAS	SASID FOR THE SAVE AREA
84	(54)	UNSIGNED	2	*	RESERVED
86	(56)	UNSIGNED	2	RTSDRPAS	PASID FOR THE SAVE AREA
88	(58)	ADDRESS	4	RTSDASCB	ASCB ADDR OF ADDRESSABLE ADDRESS SPACE OF SDUMP CALLER ON ENTRY
92	(5C)	ADDRESS	4	RTSDCMLA	ASCB ADDR OF ASID WHOSE CML LOCK IS HELD
96	(60)	CHARACTER	8	RTSDCMSV	SAVE AREA FOR CMSET LOGIC
104	(68)	ADDRESS	4	*	Reserved
108	(6C)	ADDRESS	4	RTSDRTRN	COMMON SDUMP RETURN SAVE
112	(70)	ADDRESS	4	RTSDCTCB	ADDRESS OF CALLERS TCB
116	(74)	ADDRESS	4	RTSDCSAV	ADDRESS OF THE SDUMP CALLERS SAVE AREA
120	(78)	ADDRESS	4	RTSDCSDW	ADDRESS OF CALLERS SDWA
124	(7C)	CHARACTER	2	RTSDASID	ASID OF CALLERS SDWA
126	(7E)	BITSTRING	2	RTSDFLG1	WORKING FLAGS FOR SVC DUMP
		1...		RTSDASCK	USED TO CAUSE THE SDADASID SUBROUTINE TO ONLY CHECK AN ASID AND NOT ADD IT TO THE ASID TABLE.
		.1..		RTSDSPGF	0 - PROCESS LOCAL SUBPOOLS 1 - PROCESS GLOBAL SUBPOOLS
		..1.		RTSDISPR	1 - IEAVTSPR IS IN CONTROL 0 - SPR NOT IN CONTROL
		...1		RTSDASTF	ADDRESS SPACE TABLE FLAG TELLS SUBROUTINE SDADASID WHETHER TO TURN ON THE RTSDDMPA FLAG FOR AN ASID. 1 - DO NOT TURN ON THE DMPA FLAG 0 - TURN ON THE DMPA FLAG
		.... 1...		RTSDAMOD	ADDRESS MODE OF SDUMP CALLER 1 - AMODE 31 0 - AMODE 24
		.... .1..		RTSDASDW	THE COPIED SDWA IS USABLE
		.... ..1.		RTSDVCPU	ALL CPUS ARE VALID AND NOT VM
		1		RTSDRSCD	1 - RSM SERIALIZATION MUST BE OBTAINED IN MODULE IEAVTSDX. 0 - RSM SER. CAN BE OBTAINED IN IEAVTSSD.
127	(7F)	1...		RTSDDOTR	1 - DO THE SNAPTRC AT THE FIRST AVAILABLE MOMENT. FOR SCHEDULED DUMPS ONLY.
		.1..		RTSDSKIP	1 - SKIP FULL SRB PROCESSING FOR SUCCESSFUL TRACE SRB.
		..1.		RTSDSDSC	1 - SDS IS COMPLETE
		...1		RTSDTERM	1 - AD00 HAS TERMINATED
		.... 1...		RTSDDYNF	Used by IEAVTS3F to indicate if any IEAVTSD3 was unable to establish a dynamic area
		.... .1..		RTSDGDSC	If '1'B then IEAVTSDS is in the processes of storing information about the Global Data Space in the DPL
		.... ..1.		RTSDSD2S	SD2 SRB has been scheduled
		1		RTSD2SD2	SD2 invoked second time
128	(80)	UNSIGNED	1	*	RESERVED
129	(81)	UNSIGNED	1	*	RESERVED
130	(82)	SIGNED	2	RTSDFNCD	FUNCTION CODE PASSED TO IEAVTSPR 1 - COPYPARM 2 - VALDCB 3 - SDSUBPL 4 - SDASIDS
132	(84)	CHARACTER	8	RTSDRSV1	RESERVED
140	(8C)	CHARACTER	2748	RTSDDATA	USER DATA FIELD WHICH IS ZEROED AT THE START OF EACH DUMP.
140	(8C)	CHARACTER	16	RTSDSES	Data related to dumping the STRLIST
140	(8C)	UNSIGNED	2	RTSDSTR#	Number of structures in the STRLSIT structure table
142	(8E)	UNSIGNED	2	*	Reserved
144	(90)	SIGNED	4	RTSDSTRI	Index for looping through SFDPL table when doing conversions. Set by IEAVTSDS, checked by SDSESTAE
148	(94)	CHARACTER	8	*	Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
156	(9C)	CHARACTER	36	RTSDSRR	Work area used by SDESTAEX in SRR
156	(9C)	ADDRESS	4	RTSD14S1	Save return address
160	(A0)	ADDRESS	4	RTSDSDWA	Save pointer to SDWA
164	(A4)	SIGNED	4	RTSDABND	Save Abend code
168	(A8)	ADDRESS	4	RTSD14S2	Save 2nd return address
172	(AC)	CHARACTER	20	RTSDDEQ	Storage for DEQ macro
172	(AC)	CHARACTER	16	RTSDPOST	Storage for POST macro
192	(C0)	CHARACTER	4	RTSDDIND	RTSDDATA scope indicators
192	(C0)	CHARACTER	1	RTSDDFL0	RTSDDATA area scope flags
		1...		RTSDL64T	0=the LISTD table contains LISTD type entries. 1=the LISTD table contains LIST64 type entries
		.111 1111		*	Reserved
193	(C1)	CHARACTER	3	*	Reserved
196	(C4)	CHARACTER	132	*	Reserved
328	(148)	CHARACTER	32	RTSDSCNV	IARSSCNV parameter list
328	(148)	CHARACTER	32	*	Error if parmlist grows to more than 32 bytes long
360	(168)	SIGNED	4	RTSDDSL1	SIZE OF 1ST A.S. IN SUMMARY DUMP DATA SPACE
364	(16C)	SIGNED	4	RTSDDSPL	SIZE OF ALL OTHER A.S. IN SUMMARY DUMP DATA SPACE
368	(170)	ADDRESS	4	RTSDSPGL	PTR TO GLOBAL SUBPOOL LIST
372	(174)	CHARACTER	192	RTSDREUS	REUSABLE WORK AREA
372	(174)	ADDRESS	4	RTSDLSTN	ADDR OF NEXT FREE LISTA TABLE ENTRY
372	(174)	ADDRESS	4	RTSDSVSD	SAVE AREA FOR ADDRESS OF SDWA ACROSS CALL TO SDXFRSUM.
376	(178)	ADDRESS	4	RTSDLEND	ADDRESS OF END OF THE LISTA AREA
376	(178)	ADDRESS	4	RTSDSVFR	SAVE AREA USED BY SCHFRR TO SAVE THE RETURN ADDRESS TO RTM.
380	(17C)	SIGNED	2	RTSDIDX1	SVC DUMP WORKING INDEX ONE
382	(17E)	SIGNED	2	RTSDIDX2	SVC DUMP WORKING INDEX TWO
384	(180)	ADDRESS	4	RTSDPTR1	SVC DUMP WORKING POINTER
384	(180)	ADDRESS	4	RTSDFR6W	FRR 6 WORD WORK AREA ADDRESS
388	(184)	ADDRESS	4	RTSDPTR2	SVC DUMP WORKING POINTER
392	(188)	ADDRESS	4	RTSDENDA	ADDRESS OF END OF A USER SUPPLIED DATA AREA.
396	(18C)	ADDRESS	4	RTSDLPRN	TEMP PTR INTO USER DATA AREA
400	(190)	SIGNED	4	RTSDRTN1	REG 14 SAVE AREA
404	(194)	SIGNED	4	RTSDRTN2	REG 14 SAVE AREA
408	(198)	ADDRESS	4	RTSDSPPT	WORK PTR FOR PROCESSING THE USER SUPPLIED SUBPOOL LIST
412	(19C)	SIGNED	4	RTSDRSV3	RESERVED
416	(1A0)	SIGNED	4	RTSDRSV4	RESERVED
420	(1A4)	CHARACTER	72	RTSDSDXS	REGISTER SAVE AREA FOR IEAVTSDX PROCESSING
492	(1EC)	CHARACTER	72	RTSDSRBS	REGISTER SAVE AREA FOR IEAVTSRB PROCESSING
564	(234)	CHARACTER	484	RTSDLTBL	STORAGE RANGE TABLE USED FOR STORAGE, LIST, AND LISTA.
1048	(418)	CHARACTER	200	RTSDSUBL	SUBPOOL LISTS. RTSDSPGL AND RTSDSPLC POINT INTO THIS AREA.@G860P31
1248	(4E0)	CHARACTER	16	RTSDKEYS	COPY OF USER KEY LIST
1248	(4E0)	UNSIGNED	1	RTSDKEYC	COUNT OF NUMBER OF KEYS
1249	(4E1)	UNSIGNED	1	RTSDKEY (15)	ARRAY OF KEYS
1264	(4F0)	CHARACTER	64	RTSDCRGS	CALLERS CONTROL REGISTERS
1264	(4F0)	SIGNED	4	*	CONTROL REGISTER 0
1268	(4F4)	CHARACTER	28	RTSDXMST	CROSS MEMORY STATUS
1268	(4F4)	SIGNED	4	RTSDXCR1	CONTROL REGISTER ONE
1268	(4F4)	ADDRESS	4	RTSDPSTO	PRIMARY STO VALUE
1272	(4F8)	SIGNED	4	*	CONTROL REGISTER 2
1276	(4FC)	SIGNED	4	RTSDXCR3	CONTROL REGISTER 3
1276	(4FC)	UNSIGNED	2	RTSDXAKM	AUTHORIZATION KEY MASK
1278	(4FE)	UNSIGNED	2	RTSDSAID	SECONDARY ASID
1280	(500)	SIGNED	4	RTSDXCR4	CONTROL REGISTER 4
1280	(500)	UNSIGNED	2	RTSDXMAI	AUTHORIZATION INDEX
1282	(502)	UNSIGNED	2	RTSDPAID	PRIMARY ASID
1284	(504)	SIGNED	4	RTSDXCR5	CONTROL REGISTER 5
1288	(508)	SIGNED	4	*	CONTROL REGISTER 6
1292	(50C)	SIGNED	4	RTSDXCR7	CONTROL REGISTER 7
1292	(50C)	ADDRESS	4	RTSDSSTO	SECONDARY STO

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
1296	(510)	CHARACTER	4	RTSDCRG8	CR 8
1300	(514)	CHARACTER	24	*	CRS 9-14
1324	(52C)	CHARACTER	4	RTSDCRGF	CONTROL REG 15
1328	(530)	CHARACTER	64	RTSDARGS	CALLERS ACCESS REGISTERS
1328	(530)	UNSIGNED	4	RTSDAREG (0 15)	ACCESS REGISTERS 0 - 15
1392	(570)	CHARACTER	40	*	Reserved
1432	(598)	CHARACTER	100	RTSDAFPR	Additional FP regs
1432	(598)	CHARACTER	8	RTSDFPR1	FPR 1
1440	(5A0)	CHARACTER	8	RTSDFPR3	FPR 3
1448	(5A8)	CHARACTER	8	RTSDFPR5	FPR 5
1456	(5B0)	CHARACTER	8	RTSDFPR7	FPR 7
1464	(5B8)	CHARACTER	8	RTSDFPR8	FPR 8
1472	(5C0)	CHARACTER	8	RTSDFPR9	FPR 9
1480	(5C8)	CHARACTER	8	RTSDFP10	FPR 10
1488	(5D0)	CHARACTER	8	RTSDFP11	FPR 11
1496	(5D8)	CHARACTER	8	RTSDFP12	FPR 12
1504	(5E0)	CHARACTER	8	RTSDFP13	FPR 13
1512	(5E8)	CHARACTER	8	RTSDFP14	FPR 14
1520	(5F0)	CHARACTER	8	RTSDFP15	FPR 15
1528	(5F8)	CHARACTER	4	RTSDFPCR	FP Control Reg
1532	(5FC)	CHARACTER	4	*	RESERVED
1536	(600)	CHARACTER	64	RTSDG64H	Bits 0-31 of GPRs
1600	(640)	CHARACTER	101	RTSDHDRD	DUMP HEADER DATA
1600	(640)	UNSIGNED	1	RTSDHDRL	LENGTH OF HEADER
1601	(641)	CHARACTER	100	RTSDHDR	USER SUPPLIED DUMP TITLE
1701	(6A5)	CHARACTER	3	*	RESERVED
1704	(6A8)	ADDRESS	4	RTSDPADR	ADDRESS OF THE SDUMP PARAMETER LIST
1708	(6AC)	CHARACTER	51	RTSDCIDD	CALLER'S ID DATA
1708	(6AC)	UNSIGNED	1	RTSDCIDL	LENGTH OF ID
1709	(6AD)	CHARACTER	50	RTSDCID	CALLER'S ID
1759	(6DF)	CHARACTER	57	*	RESERVED
1816	(718)	CHARACTER	320	RTSDXATB	EXTENSION ASID TABLE - CONTAINS CONTROL BITS, LISTA AND LISTD POINTERS BY ASID
1816	(718)	CHARACTER	20	RTSDPTRT (16)	TABLE HAS 16 ENTRIES AND IS INDEXED USING THE RTCTINDX FIELD
1816	(718)	BITSTRING	4	RTSDTCTL	CONTROL AND DATA BITS FOR ASID
		1...		RTSDDMPA	INDICATE THIS ADDRESS SPACE IS TO BE DUMPED FOR REQUESTED SDATA OPTIONS.
1820	(71C)	ADDRESS	4	RTSDTPTR	POINTER TO RANGES FOR THIS ASID
1824	(720)	ADDRESS	4	RTSDSPLC	POINTER TO LOCAL SUBPOOL LIST
1828	(724)	ADDRESS	4	RTSDLDAS	POINTER TO LISTD ADDRESS SPACE RANGES
1832	(728)	ADDRESS	4	RTSDLDDS	POINTER TO LISTD DATA SPACE RANGES
2136	(858)	CHARACTER	8	*	RESERVED
2144	(860)	ADDRESS	4	RTSDLDNX	INDEX INTO LISTD TABLE
2148	(864)	CHARACTER	64	RTSDGRS	GRS PASSED FROM AD00 INTO SDH FOR SINGLE AS DUMP
2212	(8A4)	CHARACTER	8	RTSDMODN	MODULE NAME FROM AD00 INTO SDH FOR SINGLE AS DUMP
2220	(8AC)	CHARACTER	32	RTSDFPRS	FPRS PASSED FROM AD00 INTO SDH FOR SINGLE AS DUMP
2252	(8CC)	CHARACTER	216	RTSDSR	AREA FOR STOP/RESET INFO THE RESET AREAS ARE SERIALIZED BY THE RTSDRSET BIT. ONLY THE SETTER OF THE BIT CAN USE THE FIELDS.
2252	(8CC)	CHARACTER	40	RTSDSRPL	STOP/RESET PARAMETER LIST
2292	(8F4)	CHARACTER	64	RTSDSRRG	AREA TO SAVE REGS
2356	(934)	CHARACTER	8	RTSDSPSW	PSW FOR RESET
2364	(93C)	CHARACTER	72	RTSDSRSA	SAVE AREA FOR CALLING S/R
2436	(984)	CHARACTER	12	RTSDSROA	STOP/RESET OUTPUT AREA
2448	(990)	CHARACTER	8	RTSDSRXM	XM CONTROL REGS
2456	(998)	BITSTRING	4	RTSDSRFL	FLAGS
		1...		RTSDSTOC	STOP DONE
		.1..		RTSDRSET	RESET DONE, C/S SERIALIZED
		..1.		RTSDSTOS	STOP PROCESS STARTED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
2456	(998)	BITSTRING	3	*	RESERVED
2460	(99C)	CHARACTER	4	RTSDSRLS	SAVE CR15 - LINKAGE STACK
2464	(9A0)	CHARACTER	4	*	RESERVED
2468	(9A4)	CHARACTER	20	*	RESERVED
2488	(9B8)	CHARACTER	400	RTSDSLRP	SLIP reg/PSW area. Must map same as SCVADPLS
2488	(9B8)	CHARACTER	8	RTSDSLPW	SLIP TRAP PSW
2496	(9C0)	SIGNED	4	RTSDSLC3	SLIP TRAP CR3 (SASID)
2500	(9C4)	SIGNED	4	RTSDSLC4	SLIP TRAP CR4 (PASID)
2504	(9C8)	CHARACTER	4	RTSDSLRG (16)	SLIP TRAP REGS
2568	(A08)	CHARACTER	4	RTSDSLAR (16)	SLIP TRAP ACCESS REGS
2632	(A48)	CHARACTER	64	RTSDSLCR	SLIP TRAP CONTROL REGS
2696	(A88)	CHARACTER	64	RTSDSLG6	SLIP G64H
2760	(AC8)	CHARACTER	128	RTSDC64S	ESAME CRs

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	8	RTSDEXIT (*)	SDUMP EXIT TABLE
0	(0)	CHARACTER	4	RTSDEXFL	EXIT FLAGS
0	(0)	BITSTRING	2	RTSDEXMS	EXIT MASK USED TO IDENTIFY THE EXIT WITH AN SDUMP PARAMETER
2	(2)	CHARACTER	1	*	RESERVED
3	(3)	BITSTRING	1	RTSDEXAT	EXIT ATTRIBUTES
		1...		RTSDEXLC	ON FOR LOCAL EXIT
		.1..		RTSDEXGB	ON FOR GLOBAL EXIT
		..1.		RTSDEXSD	ON FOR SDUMP EXIT
		...1		RTSDEXSM	ON FOR SYSMDUMP EXIT
		.... 1...		RTSDEXON	ON FOR ONE TIME ONLY EXIT
		.... .1..		RTSDXDFP	ON FOR DFP EXIT - CHECK THAT SMSX IS INSTALLED
		.... ..1.		RTSDEXEG	ON FOR EARLY GLOBAL EXIT
		1		RTSDEXNC	ON FOR NUCLEUS RESIDENT EXIT
4	(4)	ADDRESS	4	RTSDEXAD	EXIT LOAD MODULE ADDRESS

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	8	RTSDRANG	ADDRESS RANGE FOR LISTA
0	(0)	ADDRESS	4	RTSDBADR	BEGINNING ADDRESS
4	(4)	ADDRESS	4	RTSDEADR	ENDING ADDRESS

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	RTSDSPLS	SUBPOOL LIST FOR AN ASID OR A GLOBAL LIST
0	(0)	SIGNED	2	RTSDSPCT	COUNT OF SUBPOOLS TO FOLLOW
2	(2)	UNSIGNED	2	RTSDSPNM (*)	SUBPOOL NUMBERS

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	32	SCNVPL	?IARSSCNV PARM LIST
0	(0)	UNSIGNED	1	SCNVPL_XVERSION	INPUT XVERSION
1	(1)	UNSIGNED	1	SCNVPL_XSERVICE	XSERVICE
2	(2)	BITSTRING	1	SCNVPL_XFLAGS1	FIELD_LABEL
		1...		SCNVPL_VERIFY_YES	BIT
		.1..		SCNVPL_KEYUSED_NAME	BIT

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		..11 1111		SCNVPL_XFLAGS1_RSVD1	BIT
3	(3)	BITSTRING	1	SCNVPL_XFLAGS2	XFLAGS2
4	(4)	SIGNED	4	SCNVPL_XASTE	XASTE
8	(8)	UNSIGNED	4	SCNVPL_XASTESQN	XASTESQN
12	(C)	SIGNED	4	SCNVPL_XASCB	XASCB
16	(10)	CHARACTER	8	SCNVPL_XSTOKEN	XSTOKEN
24	(18)	CHARACTER	8	SCNVPL_XNAME	XNAME
32	(20)	CHARACTER	0	*	

RTSD Constants

Len	Type	Value		Name	Description
4	CHARACTER	RTSD		RTSDID1	ACRONYM RTSD
4	HEX	40000000		RTSDRSON	TURN ON RTSDRSET
4	HEX	BFFFFFFF		RTSDRSOF	TURN OFF RTSDRSET
1	DECIMAL		1	SCNVPL_TOASTE	XSERVICE
1	DECIMAL		2	SCNVPL_FROMASTE	XSERVICE Subspace convert service parameter list

RTSD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
RTSD	0		RTSDDPPF	C	
RTSDABND	A4		RTSDDSL1	168	
RTSDAFPR	598		RTSDDSPL	16C	
RTSDALLD	A		RTSDDYNF	7F	08
RTSDAMOD	7E	08	RTSDEADR	4	
RTSDAREG	530		RTSDENDA	188	
RTSDARGS	530		RTSDEXAD	4	
RTSDASCB	58		RTSDEXAT	3	
RTSDASCK	7E	80	RTSDEXEG	3	02
RTSDASDW	7E	04	RTSDEXFL	0	
RTSDASID	7C		RTSDEXGB	3	40
RTSDASTF	7E	10	RTSDEXIT	0	
RTSDBADR	0		RTSDEXLC	3	80
RTSDCID	6AD		RTSDEXMS	0	
RTSDCIDD	6AC		RTSDEXNC	3	01
RTSDCIDL	6AC		RTSDEXON	3	08
RTSDCMLA	5C		RTSDEXSD	3	20
RTSDCMSV	60		RTSDEXSM	3	10
RTSDCRGF	52C		RTSDEXTB	4	
RTSDCRGS	4F0		RTSDFLG1	7E	
RTSDCRG8	510		RTSDFNCD	82	
RTSDCRSA	24		RTSDFPCR	5F8	
RTSDCSAV	74		RTSDFPRS	8AC	
RTSDCSDW	78		RTSDFPR1	598	
RTSDCTCB	70		RTSDFPR3	5A0	
RTSDC64S	AC8		RTSDFPR5	5A8	
RTSDDATA	8C		RTSDFPR7	5B0	
RTSDDBUF	28		RTSDFPR8	5B8	
RTSDDEQ	AC		RTSDFPR9	5C0	
RTSDDFL0	C0		RTSDFP10	5C8	
RTSDDIND	C0		RTSDFP11	5D0	
RTSDDMPA	718	80	RTSDFP12	5D8	
RTSDDNUM	8		RTSDFP13	5E0	
RTSDDOTR	7F	80	RTSDFP14	5E8	
RTSDDPPB	10		RTSDFP15	5F0	

Name	Hex Offset	Hex Value
RTSDFR6W	180	
RTSDGDSC	7F	04
RTSDGRS	864	
RTSDG64H	600	
RTSDHAID	44	
RTSDHDR	641	
RTSDHDRD	640	
RTSDHDRL	640	
RTSDID	0	
RTSDIDX1	17C	
RTSDIDX2	17E	
RTSDISPR	7E	20
RTSDKEEP	0	
RTSDKEY	4E1	
RTSDKEYC	4E0	
RTSDKEYS	4E0	
RTSDLDAS	724	
RTSDLDDS	728	
RTSDLDNX	860	
RTSDLEND	178	
RTSDLPRN	18C	
RTSDLSTN	174	
RTSDLTBL	234	
RTSDL64T	C0	80
RTSDMODN	8A4	
RTSDPADR	6A8	
RTSDPAID	502	
RTSDPOST	AC	
RTSDPSTO	4F4	
RTSDPTRT	718	
RTSDPTR1	180	
RTSDPTR2	184	
RTSDRANG	0	
RTSDREUS	174	
RTSDRPAS	56	
RTSDRSAD	50	
RTSDRSAS	52	
RTSDRSCD	7E	01
RTSDRSET	998	40
RTSDRSV1	84	
RTSDRSV3	19C	
RTSDRSV4	1A0	
RTSDRTN1	190	
RTSDRTN2	194	
RTSDRTRN	6C	
RTSDSAID	4FE	
RTSDSCNV	148	
RTSDSDSC	7F	20
RTSDSDWA	A0	
RTSDSDXS	1A4	
RTSDSD2S	7F	02
RTSDSES	8C	
RTSDSKIP	7F	40
RTSDSLAR	A08	
RTSDSLCR	A48	
RTSDSLC3	9C0	
RTSDSLC4	9C4	
RTSDSLG6	A88	
RTSDSLPW	9B8	
RTSDSLRG	9C8	
RTSDSLRP	9B8	
RTSDSPCT	0	
RTSDSPGF	7E	40
RTSDSPGL	170	
RTSDSPLC	720	
RTSDSPLS	0	
RTSDSPNM	2	
RTSDSPPT	198	
RTSDSPSW	934	
RTSDSR	8CC	
RTSDSRBS	1EC	
RTSDSRFL	998	
RTSDSRLS	99C	
RTSDSROA	984	
RTSDSRPL	8CC	
RTSDSRR	9C	
RTSDSRRG	8F4	
RTSDSRSA	93C	
RTSDSRXM	990	
RTSDSSTO	50C	
RTSDSTKN	14	
RTSDSTOC	998	80
RTSDSTOS	998	20
RTSDSTR#	8C	
RTSDSTRB	1C	
RTSDSTRE	20	
RTSDSTRI	90	
RTSDSUBL	418	
RTSDSVFR	178	
RTSDSVNM	8	
RTSDSVSD	174	
RTSDTCTL	718	
RTSDTERM	7F	10
RTSDTPTR	71C	
RTSDVCPU	7E	02
RTSDXADR	2C	
RTSDXAKM	4FC	
RTSDXATB	718	
RTSDXCR1	4F4	
RTSDXCR3	4FC	
RTSDXCR4	500	
RTSDXCR5	504	
RTSDXCR7	50C	
RTSDXDFP	3	04
RTSDXMAI	500	
RTSDXMST	4F4	
RTSDXPSW	48	
RTSD14S1	9C	
RTSD14S2	A8	
RTSD2SD2	7F	01
SCNVPL	0	
SCNVPL_KEYUSED_NAME	2	40
SCNVPL_VERIFY_YES	2	80
SCNVPL_XASCB	C	
SCNVPL_XASTE	4	
SCNVPL_XASTESQN	8	
SCNVPL_XFLAGS1	2	
SCNVPL_XFLAGS1_RSVD1	2	3F
SCNVPL_XFLAGS2	3	
SCNVPL_XNAME	18	
SCNVPL_XSERVICE	1	
SCNVPL_XSTOKEN	10	

RTSD Cross Reference

Name	Hex Offset	Hex Value
SCNVPL_XVERSION	0	

EED Heading Information

Common Name: RTM1 Work Area
Macro ID: IHART1W
DSECT Name: RT1W, RT1TRACK, RT1TRECC, RTMW
Owning Component: RECOVERY TERMINATION MANAGER (SCRTM)
Eye-Catcher ID: none
Storage Attributes: Subpool: 239 or in PSA
Key: 0
Residency: ABOVE OR BELOW THE 16M LINE
Size: 152 bytes for RT1W
288 bytes for RT1X
Created by: IEAVNIP0 or IEEVCPU
Pointed to by: FRRSRTMA field of the FRRS data area
Serialization: RTM1 INTERNAL SERIALIZATION
Function: The RT1W is used to describe the current error condition and to provide an internal work area for the RTM1 subfunctions.

EED Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	608	EED	Extended error descriptor
0	(0)	ADDRESS	4	EEDFWRDP	Pointer to next EED on chain or zero
4	(4)	CHARACTER	4	EEDDES	Description of EED contents
4	(4)	CHARACTER	1	EEDID	Type of information in EED
5	(5)	CHARACTER	1	EEDFLAGS	Flags describing information in EEDs
		1...		EEDERFL	On means that the errorid is supplied in this EED
		.1..		EEDSPI	On means this EED is part of an SPI control block (not from the EED pool)
		..1.		EEDSRBTP	On means this EED was created for SRB-to-TASK percolation processing
		...1		EEDHWDP	On means this EED contains hardware data information
		.... 1...		EEDSKIP	Skip this EED. This flag is set only for DUMPXTYP type EEDs. The data space storage ranges were not accessable, and thus the EED is empty and should be skipped.
		.... .111		*	Reserved
6	(6)	CHARACTER	1	EEDFLAG2	Flags to pass from RTM1 to RTM2 indicators set by SLIP
		1...		EEDNOSUP	Used to communicate the SLIP request to dump suppression not to suppress dumps
		.1..		EEDNODMP	Used to communicate dump suppression by SLIP from RTM1 to RTM2
		..1.		EEDRCRD	Used to communicate SLIP indication of recording from RTM1 to RTM2
		...1		*	Reserved
		.... 1...		EEDNOSVD	Used to communicate dump suppression of SVCDUMPs by SLIP from RTM1 to RTM2
		.... .1..		EEDNOSYA	Used to communicate dump suppression of SYSABEND dumps by SLIP from RTM1 to RTM2
		.... ..1.		EEDNOSYM	Used to communicate dump suppression of SYSMDUMPS by SLIP from RTM1 to RTM2
		1		EEDNOSYU	Used to communicate dump suppression of SYSUDUMPs by SLIP from RTM1 to RTM2
7	(7)	CHARACTER	1	*	Reserved
8	(8)	CHARACTER	4	EEDERROR	Description of the error which necessitated EEDs
8	(8)	UNSIGNED	1	EEDMODE	System mode at time of error
9	(9)	CHARACTER	1	EEDERTYP	Entry point used by RTM1
10	(A)	SIGNED	2	EEDASID	ASID of originating memory in cross memory abends
12	(C)	CHARACTER	596	EEDVARBL	Variable part of EED, mapped separately below

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EED Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
12	(C)	STRUCTURE	596	EEDREGSP	This is the basic RTM1 to RTM2 information EED which contains general purpose registers, access registers, control registers PSW, error id and various other error related information
12	(C)	CHARACTER	64	EEDREGS	General purpose Registers at time of error
12	(C)	ADDRESS	4	EEDREG0	Register 0
16	(10)	ADDRESS	4	EEDREG1	Register 1
20	(14)	ADDRESS	4	EEDREG2	Register 2
24	(18)	ADDRESS	4	EEDREG3	Register 3
28	(1C)	ADDRESS	4	EEDREG4	Register 4
32	(20)	ADDRESS	4	EEDREG5	Register 5
36	(24)	ADDRESS	4	EEDREG6	Register 6
40	(28)	ADDRESS	4	EEDREG7	Register 7
44	(2C)	ADDRESS	4	EEDREG8	Register 8
48	(30)	ADDRESS	4	EEDREG9	Register 9
52	(34)	ADDRESS	4	EEDREG10	Register 10
56	(38)	ADDRESS	4	EEDREG11	Register 11
60	(3C)	ADDRESS	4	EEDREG12	Register 12
64	(40)	ADDRESS	4	EEDREG13	Register 13
68	(44)	ADDRESS	4	EEDREG14	Register 14
72	(48)	ADDRESS	4	EEDREG15	Register 15
76	(4C)	CHARACTER	64	EEDAREGS	Access registers at time of error
76	(4C)	ADDRESS	4	EEDARE0	Access Register 0
80	(50)	ADDRESS	4	EEDARE1	Access Register 1
84	(54)	ADDRESS	4	EEDARE2	Access Register 2
88	(58)	ADDRESS	4	EEDARE3	Access Register 3
92	(5C)	ADDRESS	4	EEDARE4	Access Register 4
96	(60)	ADDRESS	4	EEDARE5	Access Register 5
100	(64)	ADDRESS	4	EEDARE6	Access Register 6
104	(68)	ADDRESS	4	EEDARE7	Access Register 7
108	(6C)	ADDRESS	4	EEDARE8	Access Register 8
112	(70)	ADDRESS	4	EEDARE9	Access Register 9
116	(74)	ADDRESS	4	EEDAREA	Access Register 10
120	(78)	ADDRESS	4	EEDAREB	Access Register 11
124	(7C)	ADDRESS	4	EEDAREC	Access Register 12
128	(80)	ADDRESS	4	EEDARED	Access Register 13
132	(84)	ADDRESS	4	EEDAREE	Access Register 14
136	(88)	ADDRESS	4	EEDAREF	Access Register 15
140	(8C)	CHARACTER	64	EEDCREGS	Control registers at time of error
140	(8C)	ADDRESS	4	EEDCRE0	Control Register 0
144	(90)	ADDRESS	4	EEDCRE1	Control Register 1
148	(94)	ADDRESS	4	EEDCRE2	Control Register 2
152	(98)	CHARACTER	8	EEDXM	Cross memory registers
152	(98)	ADDRESS	4	EEDCRE3	Control Register 3
152	(98)	CHARACTER	4	EEDXMCR3	Control Register 3
156	(9C)	ADDRESS	4	EEDCRE4	Control Register 4
156	(9C)	CHARACTER	4	EEDXMCR4	Control Register 4
160	(A0)	ADDRESS	4	EEDCRE5	Control Register 5
164	(A4)	ADDRESS	4	EEDCRE6	Control Register 6
168	(A8)	ADDRESS	4	EEDCRE7	Control Register 7
172	(AC)	ADDRESS	4	EEDCRE8	Control Register 8
176	(B0)	ADDRESS	4	EEDCRE9	Control Register 9
180	(B4)	ADDRESS	4	EEDCREA	Control Register 10
184	(B8)	ADDRESS	4	EEDCREB	Control Register 11
188	(BC)	ADDRESS	4	EEDCREC	Control Register 12
192	(C0)	ADDRESS	4	EEDCRED	Control Register 13
196	(C4)	ADDRESS	4	EEDCREE	Control Register 14
200	(C8)	ADDRESS	4	EEDCREF	Control register 15
204	(CC)	CHARACTER	16	EEDPSW	EC mode PSW + ILC int code and translation address
204	(CC)	CHARACTER	8	EEDPSW1	First half of PSW
204	(CC)	SIGNED	4	EEDPSWMK	System and prog mask
208	(D0)	ADDRESS	4	EEDPSWIC	Instruction counter
212	(D4)	CHARACTER	8	EEDPSW2	Second half of PSW
212	(D4)	SIGNED	4	EEDINILC	Interp code and ILC

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
212	(D4)	CHARACTER	1	*	Always set to zero
213	(D5)	UNSIGNED	1	EEDILC	Instruction len counter - the number of bytes to subtract from the IC to get last instruction executed
214	(D6)	UNSIGNED	2	EEDINTCD	Interrupt code
216	(D8)	ADDRESS	4	EEDTRANS	Translation exception addr
216	(D8)	BITSTRING	3	*	
219	(DB)	.... .1..		EEDSOPI	When on for PIC 4, EEDTRANS contains TEA
		11		*	
220	(DC)	CHARACTER	10	EEDERRID	Errorid
220	(DC)	CHARACTER	2	EEDESEQ#	Sequence number
222	(DE)	UNSIGNED	2	EEDECPUI	CPU id
224	(E0)	CHARACTER	2	EEDEASID	ASID
226	(E2)	CHARACTER	4	EEDETIME	Time stamp
230	(E6)	CHARACTER	1	EEDRFLGS	Flags for REGSPTYP EED
		1...		EEDTEAV	If on, indicates EEDTRANS contains valid address
		.1..		EEDTEIV	If on, indicates EEDTRANS contains valid ASID
		..1.		EEDTEPC	If on, indicates EEDTRANS contains valid PC#
231	(E7)	CHARACTER	1	EEDMISC	Misc RTM1->RTM2 info
		1...		EEDEAS	SDWAEAS was on in RTM1
232	(E8)	ADDRESS	4	EEDLLSR	The linkage stack register value obtained by RTM1 from the last FRR entry processed during RTM1 FRR processing
236	(EC)	CHARACTER	64	EEDDUCT	Contents of the DUCT control area at time of error
300	(12C)	UNSIGNED	1	EEDTEAR	Translation exception address access register number
301	(12D)	CHARACTER	23	*	Reserved

Comment

SDWA error information

End of Comment

324	(144)	CHARACTER	28	EEDSDWA	These fields are used for SRB-to-TASK percolation and for FRR to ESTAE (RTM1 to RTM2) percolation.
324	(144)	CHARACTER	12	EEDFAIN	Saved copy of SDWAFAIN
336	(150)	ADDRESS	4	EEDASCB	Saved copy of SDWAASCB
340	(154)	ADDRESS	4	EEDASST	Saved copy of SDWAASST
344	(158)	CHARACTER	8	EEDCCRC	Structure for next 2 words
344	(158)	CHARACTER	4	EEDSABC	Saved copy of SDWASABC
344	(158)	CHARACTER	1	EEDOABF	Saved copy of SDWAOABF
		1111 1...		*	Reserved
		.... .1..		EEDORCF	Saved copy of SDWAORCF
		11		*	Reserved
345	(159)	CHARACTER	3	EEDOCMP	Saved copy of SDWAOCMP
348	(15C)	CHARACTER	4	EEDOCRC	Saved copy of SDWAOCRC
352	(160)	CHARACTER	8	EEDCOMU	FRR to ESTAE communication buffer (from SDWACOMU)

Comment

Hardware repair status information

End of Comment

360	(168)	CHARACTER	44	EEDHWREP	Hardware repair status information
360	(168)	CHARACTER	28	EEDHWR	Part 1 of EEDHWREP
360	(168)	ADDRESS	4	EEDHSCKB	Starting vrt adr of stor ck
364	(16C)	ADDRESS	4	EEDHSCKE	Ending virt addr of stor ck
368	(170)	UNSIGNED	1	EEDHMCHS	RTM1 software status flags
		1...		EEDHSRVL	Storage ranges and RFSA vald
		.1..		EEDHRCDF	MCH rcrd not recorded
		..1.		EEDHTSVL	Time stamp is valid
		...1		EEDINVP	Storage reconfigured page invalidated
		.... 1...		EEDRSRC	Storage reconfiguration status is available
		.... .1..		EEDHRSRF	Storage reconfiguration not not attempted
		.... ..1.		EEDHVRIV	On, indicates vector registers are unpredictable
		1		EEDHARGU	On, indicates access registers are unpredictable
369	(171)	UNSIGNED	1	EEDHMCHD	RTM1 machine check data

EED Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		1...		EEDHSKYF	Storage key failure
		.1..		EEDHREGU	Registers unpredictable
		..1.		EEDHPSWU	PSW unpredictable
		...1		EEDHSCK	Storage data chk
		.... 1...		EEDHACR	ACR in progress
		.... .1..		EEDHINSF	Instruction failure
		.... ..1.		EEDHSOFT	Soft error
		1		EEDHTERR	Timer error
370	(172)	SIGNED	2	EEDHCPID	CPU addr of dead CPU - ACR
372	(174)	ADDRESS	2	EEDHRSRS	Storage reconfig status bytes
372	(174)	UNSIGNED	1	EEDHRSR1	Storage reconfig status 1
		11..		*	Reserved
		..1.		EEDHPREF	Preferred frame
		...1		EEDHVRCN	V = R candidate - can go offline
		.... 1...		EEDHNSWP	Long-term non-swappable address space
		.... .1..		EEDHNSWA	Non-swappable address space
		.... ..1.		EEDHMSER	Stor err alredy set in frame
		1		EEDHCHNG	Frame had chang indicator on
373	(175)	UNSIGNED	1	EEDHRSR2	Storage reconfig status 2
		1...		EEDHOFLN	Frame offlin or sched offlin
		.1..		EEDHINTC	Intercept-frame is scheduled offline, either storage err or V=R ind also on
		..1.		EEDHSPER	Perm err occurs in frame
		...1		EEDHNUCL	Frame contains permanent resident system storage
		.... 1...		EEDHFSQA	Frame in use for SQA
		.... .1..		EEDHFLSQ	Frame in use for LSQA
		.... ..1.		EEDHPGFX	Frame contains PGFIXED data
		1		EEDHVERQ	Frame in use for V = R
374	(176)	UNSIGNED	1	EEDHMCHO	Other MCH flags
		1...		EEDHSKPR	Skip recording requested by MCH
		.111 1111		*	Reserved
375	(177)	CHARACTER	1	*	Reserved
376	(178)	ADDRESS	4	EEDHRFSA	Real failing storage addr
380	(17C)	CHARACTER	8	EEDHTIME	Timestamp of MCH record
388	(184)	CHARACTER	16	EEDIOMA	I/O mach check additional data
388	(184)	CHARACTER	8	EEDHRFSE	ESAME FSA
388	(184)	ADDRESS	4	EEDHRFSH	ESAME FSA high
392	(188)	ADDRESS	4	EEDHRFSL	ESAME FSA low
396	(18C)	CHARACTER	8	EEDMCIC	Machine check interrupt code
404	(194)	CHARACTER	64	EEDG64H	High order halves of GPRs 0-15 at time of error
468	(1D4)	CHARACTER	4	*	Reserved
472	(1D8)	CHARACTER	128	EEDC64S	ESAME CRs
472	(1D8)	CHARACTER	8	EEDC640	ESAME CR0
480	(1E0)	CHARACTER	8	EEDC641	ESAME CR1
488	(1E8)	CHARACTER	8	EEDC642	ESAME CR2
496	(1F0)	CHARACTER	8	EEDC643	ESAME CR3
504	(1F8)	CHARACTER	8	EEDC644	ESAME CR4
512	(200)	CHARACTER	8	EEDC645	ESAME CR5
520	(208)	CHARACTER	8	EEDC646	ESAME CR6
528	(210)	CHARACTER	8	EEDC647	ESAME CR7
536	(218)	CHARACTER	8	EEDC648	ESAME CR8
544	(220)	CHARACTER	8	EEDC649	ESAME CR9
552	(228)	CHARACTER	8	EEDC64A	ESAME CRA
560	(230)	CHARACTER	8	EEDC64B	ESAME CRB
568	(238)	CHARACTER	8	EEDC64C	ESAME CRC
576	(240)	CHARACTER	8	EEDC64D	ESAME CRD
584	(248)	CHARACTER	8	EEDC64E	ESAME CRE
592	(250)	CHARACTER	8	EEDC64F	ESAME CRF
600	(258)	CHARACTER	8	EEDTRNE	8-byte TEA

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
12	(C)	STRUCTURE	460	EEDDUMPO	The length of this area is dependent on the format of the SNAP parameter list and the SDWA starting at label SDWADUMP
12	(C)	CHARACTER	8	EEDSCDMP	Dump parameters common to the SNAP and SDWA mappings
12	(C)	CHARACTER	4	EEDSDUMP	Dump characteristics
16	(10)	CHARACTER	4	EEDSDDAT	SDATA/PDATA options
16	(10)	BITSTRING	2	EEDSSDAT	Dump system data
18	(12)	BITSTRING	2	EEDSPDAT	Dump prob prog data
20	(14)	CHARACTER	240	EEDSDPSL	Dump storage lists
20	(14)	CHARACTER	8	EEDRGS (30)	30 Ranges
260	(104)	CHARACTER	16	EEDSPLS	
260	(104)	SIGNED	2	EEDSPLN	Number of subpools
262	(106)	CHARACTER	14	EEDSPID	Up to 7 subpool ids

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
12	(C)	STRUCTURE	596	EEDDUMPX	
12	(C)	CHARACTER	240	EEDDXSL	Data space storage range list
12	(C)	CHARACTER	16	EEDDXSR (15)	Dump storage range
12	(C)	ADDRESS	4	EEDDXBEG	Start address of range
16	(10)	ADDRESS	4	EEDDXEND	End address of range
		1...		EEDDXLE	Bit indicating end of list
20	(14)	CHARACTER	8	EEDDXSTK	Stoken for range

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	432	ETAB	ETAB based on RTCTEEDA
0	(0)	CHARACTER	4	ETABID	ETAB identifier
4	(4)	CHARACTER	4	*	Reserved field
8	(8)	CHARACTER	8	ETABENTR (53)	Main part of ETAB
8	(8)	ADDRESS	4	ETABEED	Pointer to hold EED address
12	(C)	ADDRESS	4	ETABASCB	Pointer to the EED's address space control block

EED Constants

Len	Type	Value	Name	Description
		Comment		
		CONSTANTS USED WITH THE EEDID AND TCBRTM12 FIELDS		
		End of Comment		
4	DECIMAL	1	EEDNULL	THE TCBRTM12 FIELD IS SET TO THIS VALUE IF AN EED COULD NOT BE OBTAINED
1	DECIMAL	1	ERRORTYP	INDICATES THE EEDVARBL FIELD IS MAPPED BY EEDREGSP
1	DECIMAL	1	REGSPTYP	INDICATES THE EEDVARBL FIELD IS MAPPED BY EEDREGSP
1	DECIMAL	2	DUMPOTYP	INDICATES THE EEDVARBL FIELD IS MAPPED BY EEDDUMPO
1	DECIMAL	3	DUMPXTYP	INDICATES THE EEDVARBL FIELD IS MAPPED BY EEDDUMPX
1	DECIMAL	1	HWREPTYP	INDICATES THE EEDVARBL FIELD IS MAPPED BY EEDREGSP
1	DECIMAL	1	SDWATYP	INDICATES THE EEDVARBL FIELD IS MAPPED BY EEDREGSP
1	DECIMAL	1	ORIGDTYP	INDICATES THE EEDVARBL FIELD IS MAPPED BY EEDREGSP

EED Cross Reference

Len	Type	Value	Name	Description
		Comment		
		CONSTANT USED TO DEFINE SIZE OF STANDARD EED AREA		
		End of Comment		
2	DECIMAL	12	EEDBASE	DEFINES LENGTH OF THE FIXED PORTION OF THE EED
2	DECIMAL	53	ETAB#ENT	Make constant the number of entries in ETAB. This is used when allocating the cpool of EEDs.
4	DECIMAL	304	RT1WFWLN	Size of FRR work area

EED Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
EED	0		EEDC642	1E8	
EEDAREA	74		EEDC643	1F0	
EEDAREB	78		EEDC644	1F8	
EEDAREC	7C		EEDC645	200	
EEDARED	80		EEDC646	208	
EEDAREE	84		EEDC647	210	
EEDAREF	88		EEDC648	218	
EEDAREGS	4C		EEDC649	220	
EEDARE0	4C		EEDDES	4	
EEDARE1	50		EEDDUCT	EC	
EEDARE2	54		EEDDUMPO	C	
EEDARE3	58		EEDDUMPX	C	
EEDARE4	5C		EEDDXBEG	C	
EEDARE5	60		EEDDXEND	10	
EEDARE6	64		EEDDXLE	10	80
EEDARE7	68		EEDDXSL	C	
EEDARE8	6C		EEDDXSR	C	
EEDARE9	70		EEDDXSTK	14	
EEDASCB	150		EEDEAS	E7	80
EEDASID	A		EEDEASID	E0	
EEDASST	154		EEDECPUI	DE	
EEDCCRC	158		EEDERFL	5	80
EEDCOMU	160		EEDERRID	DC	
EEDCREA	B4		EEDERROR	8	
EEDCREB	B8		EEDERTYP	9	
EEDCREC	BC		EEDESEQ#	DC	
EEDCRED	C0		EEDETIME	E2	
EEDCREE	C4		EEDFAIN	144	
EEDCREF	C8		EEDFLAGS	5	
EEDCREGS	8C		EEDFLAG2	6	
EEDCRE0	8C		EEDFWRDP	0	
EEDCRE1	90		EEDG64H	194	
EEDCRE2	94		EEDHACR	171	08
EEDCRE3	98		EEDHARGU	170	01
EEDCRE4	9C		EEDHCHNG	174	01
EEDCRE5	A0		EEDHCPID	172	
EEDCRE6	A4		EEDHFLSQ	175	04
EEDCRE7	A8		EEDHFSQA	175	08
EEDCRE8	AC		EEDHINSF	171	04
EEDCRE9	B0		EEDHINTC	175	40
EEDC64A	228		EEDHMCHD	171	
EEDC64B	230		EEDHMCHO	176	
EEDC64C	238		EEDHMCHS	170	
EEDC64D	240		EEDHMSER	174	02
EEDC64E	248		EEDHNSWA	174	04
EEDC64F	250		EEDHNSWP	174	08
EEDC64S	1D8		EEDHNUCL	175	10
EEDC640	1D8		EEDHOFLN	175	80
EEDC641	1E0		EEDHPGFX	175	02

Name	Hex Offset	Hex Value
EEDHPREF	174	20
EEDHPSWU	171	20
EEDHRCDF	170	40
EEDHREGU	171	40
EEDHRFSA	178	
EEDHRFSE	184	
EEDHRFSH	184	
EEDHRFSL	188	
EEDHRSRF	170	04
EEDHRSRS	174	
EEDHRSR1	174	
EEDHRSR2	175	
EEDHSCK	171	10
EEDHSCKB	168	
EEDHSCKE	16C	
EEDHSKPR	176	80
EEDHSKYF	171	80
EEDHSOFT	171	02
EEDHSPER	175	20
EEDHSRVL	170	80
EEDHTERR	171	01
EEDHTIME	17C	
EEDHTSVL	170	20
EEDHVERQ	175	01
EEDHVRCN	174	10
EEDHVRIV	170	02
EEDHWDP	5	10
EEDHWR	168	
EEDHWREP	168	
EEDID	4	
EEDILC	D5	
EEDINILC	D4	
EEDINTCD	D6	
EEDINVP	170	10
EEDIOMA	184	
EEDLLSR	E8	
EEDMCIC	18C	
EEDMISC	E7	
EEDMODE	8	
EEDNODMP	6	40
EEDNOSUP	6	80
EEDNOSVD	6	08
EEDNOSYA	6	04
EEDNOSYM	6	02
EEDNOSYU	6	01
EEDOABF	158	
EEDOCMP	159	
EEDOCRC	15C	
EEDORCF	158	04
EEDPSW	CC	
EEDPSWIC	D0	
EEDPSWMK	CC	
EEDPSW1	CC	
EEDPSW2	D4	
EEDRCRD	6	20
EEDREGS	C	
EEDREGSP	C	
EEDREG0	C	
EEDREG1	10	
EEDREG10	34	
EEDREG11	38	
EEDREG12	3C	
EEDREG13	40	
EEDREG14	44	
EEDREG15	48	

Name	Hex Offset	Hex Value
EEDREG2	14	
EEDREG3	18	
EEDREG4	1C	
EEDREG5	20	
EEDREG6	24	
EEDREG7	28	
EEDREG8	2C	
EEDREG9	30	
EEDRFLGS	E6	
EEDRGS	14	
EEDRSRC	170	08
EEDSABC	158	
EEDSCDMP	C	
EEDSDDAT	10	
EEDSDPSL	14	
EEDSDUMP	C	
EEDSDWA	144	
EEDSKIP	5	08
EEDSOPI	DB	04
EEDSPDAT	12	
EEDSPI	5	40
EEDSPID	106	
EEDSPLN	104	
EEDSPLS	104	
EEDSRBTP	5	20
EEDSSDAT	10	
EEDTEAR	12C	
EEDTEAV	E6	80
EEDTEIV	E6	40
EEDTEPC	E6	20
EEDTRANS	D8	
EEDTRNE	258	
EEDVARBL	C	
EEDXM	98	
EEDXMCR3	98	
EEDXMCR4	9C	
ETAB	0	
ETABASCB	C	
ETABEED	8	
ETABENTR	8	
ETABID	0	

RWA Heading Information

Common Name: Machine Check Handler Recovery Work Area
Macro ID: IGFRWA
DSECT Name: RWA
Owning Component: Machine Check Handler (BB1CT)
Eye-Catcher ID: RWA
Storage Attributes: Subpool: NUCLEUS in IGFRWAC
Key: 0
Residency: Above 16M line
Size: 476 bytes
Created by: Contained within module IGFRWAC which is loaded into the DAT-ON NUCLEUS at NIP time.
Pointed to by: RVTRWA field of the RVT data area.
Serialization: None
Function: The RWA contains flags and footprints for Machine Check Handler mainline and recovery. It contains the Default Threshold Blocks (THBS) for machine checks. The RWA contains system termination information for the loadwait service, and work save area's for many MCH modules.

RWA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	RWA	
0	(0)	CHARACTER	4	RWAID	. AN ID FOR DUMPS
4	(4)	SIGNED	4		. RESERVED
8	(8)	BITSTRING	8	RWASRDF	INITIAL THRESHOLD BLOCK FOR SYSTEM RECOVERY EVENTS
16	(10)	BITSTRING	8	RWADGDF	INITIAL THRESHOLD BLOCK FOR DEGRADATION EVENTS
24	(18)	BITSTRING	1		. RESERVED
25	(19)	BITSTRING	1		. RESERVED
26	(1A)	BITSTRING	1	RWAFLCFL	. FIXED LOW CORE IN USE FLAGS
27	(1B)	BITSTRING	1		. RESERVED
28	(1C)	BITSTRING	1	RWAFLAGS	. MCH SYSTEM-WIDE FLAGS
		1...		RWAPCMC	"X'80'" . MACHINE CHECK OR PROGRAM CHECK OCCURRED IN IGFPMTHA.
		.1..		RWAINIT	"X'40'" . SET TO 1 BY IGFRIM00 WHEN MCH INITIALIZATION IS COMPLETE
		..1.		RWATSYS	"X'20'" . SET TO 1 BY LOADWAIT (BLWLDWT) WHEN SYSTEM TERMINATION IS IN PROGRESS OR IGFPWAIT.
29	(1D)	BITSTRING	3		. RESERVED
32	(20)	DBL WORD	8	RWATPSW	. SYSTEM TERMINATION PSW
32	(20)	BITSTRING	4	RWATPSW1	1ST WORD PSW
36	(24)	BITSTRING	4	RWATPSW2	2ND WORD PSW
40	(28)	SIGNED	4	RWAPCCAR (16)	. REAL ADDRESSES OF PCCA'S FOR CPU 0 - CPU 15
104	(68)	BITSTRING	16	RWAPDDF (0)	INITIAL THRESHOLD
104	(68)	BITSTRING	8		BLOCK FOR INSTRUCTION
112	(70)	BITSTRING	8		PROCESSING DAMAGE EVENTS
120	(78)	BITSTRING	16	RWASDDF (0)	INITIAL THRESHOLD
120	(78)	BITSTRING	8		BLOCK FOR SYSTEM
128	(80)	BITSTRING	8		DAMAGE EVENTS
136	(88)	BITSTRING	16	RWAIVDF (0)	INITIAL THRESHOLD
136	(88)	BITSTRING	8		BLOCK FOR INVALID PSW OR
144	(90)	BITSTRING	8		REGISTER EVENTS
152	(98)	BITSTRING	16	RWATCDF (0)	INITIAL THRESHOLD
152	(98)	BITSTRING	8		BLOCK FOR TOD CLOCK

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RWA Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
160	(A0)	BITSTRING	8		DAMAGE EVENTS
168	(A8)	BITSTRING	16	RWAPTDF (0)	INITIAL THRESHOLD
168	(A8)	BITSTRING	8		BLOCK FOR CPU TIMER
176	(B0)	BITSTRING	8		DAMAGE EVENTS
184	(B8)	BITSTRING	16	RWACCDF (0)	INITIAL THRESHOLD
184	(B8)	BITSTRING	8		BLOCK FOR CLOCK
192	(C0)	BITSTRING	8		COMPARATOR DAMAGE EVENTS
200	(C8)	BITSTRING	4	RWAVAR1	THRESHOLD BLOCK WORK AREA
204	(CC)	BITSTRING	4	RWAVAR2	THRESHOLD BLOCK WORK AREA
208	(D0)	BITSTRING	16	RWAVSDF (0)	INITIAL THRESHOLD
208	(D0)	BITSTRING	8		BLOCK FOR VECTOR
216	(D8)	BITSTRING	8		SOURCE EVENTS
224	(E0)	BITSTRING	1	RWAPMHCA (60)	IGFPMHCA WORK SAVE AREA
284	(11C)	BITSTRING	1	RWAPMTHA (68)	IGFPMTHA WORK SAVE AREA
352	(160)	BITSTRING	1	(12)	RESERVED
364	(16C)	BITSTRING	16	RWAPSDF (0)	INITIAL THRESHOLD
364	(16C)	BITSTRING	8		BLOCK FOR PRIMARY SYNC (PS)
372	(174)	BITSTRING	8		DAMAGE EVENTS
380	(17C)	BITSTRING	16	RWAADDF (0)	INITIAL THRESHOLD
380	(17C)	BITSTRING	8		BLOCK FOR ETR ATTACHMENT
388	(184)	BITSTRING	8		DAMAGE EVENTS
396	(18C)	BITSTRING	16	RWASLDF (0)	INITIAL THRESHOLD
396	(18C)	BITSTRING	8		BLOCK FOR SWITCH TO LOCAL
404	(194)	BITSTRING	8		EVENTS
412	(19C)	BITSTRING	16	RWASCDF (0)	INITIAL THRESHOLD
412	(19C)	BITSTRING	8		BLOCK FOR ETR SYNC CHECK
420	(1A4)	BITSTRING	8		DAMAGE EVENTS
428	(1AC)	BITSTRING	1	RWASPSRB (44)	SERVICE PROCESSOR DAMAGE SRB
472	(1D8)	BITSTRING	1	(3)	RESERVED DO NOT USE
475	(1DB)	BITSTRING	1	RWASPSIU	RWASPSRB IN USE (TS TARGET) *

Comment

END OF MCH RECOVERY WORK AREA

End of Comment

RWA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
RWA	0		RWATPSW	20	0
RWAADDF	17C		RWATPSW1	20	
RWACCDF	B8		RWATPSW2	24	
RWADGDF	10	20000000	RWATSYS	1C	20
RWAFLAGS	1C	0	RWAVAR1	C8	0
RWAFLCFL	1A	0	RWAVAR2	CC	0
RWAID	0	D9E6C140	RWAVSDF	D0	
RWAINIT	1C	40			
RWAIVDF	88				
RWAPCCAR	28	0			
RWAPCMC	1C	80			
RWAPDDF	68				
RWAPMHCA	E0	0			
RWAPMTHA	11C	0			
RWAPSDF	16C				
RWAPTDF	A8				
RWASCDF	19C				
RWASDDF	78				
RWASLDF	18C				
RWASPSIU	1DB	0			
RWASPSRB	1AC	0			
RWASRDF	8	20000000			
RWATCDF	98				

SCA Heading Information

Common Name: SPIE/ESPIE Control Area
Macro ID: IHASCA
DSECT Name: SCA
Owning Component: Recovery Termination Manager (SCRTM)
Eye-Catcher ID: SCA
Offset: 124
Length: 4
Storage Attributes: Subpool: 245
Key: 0
Residency: Above 16 MB line
Size: 580 bytes including the SRB control block which immediately follows the SCA in storage
Created by: IEAVTESP
Pointed to by: ASSBSCAH points to the SCAs in the address space
TCBPIE points to the SCA for an individual task
Serialization: Local Lock and Task Active mode
Function: Provides information to the Program Check FLIH in its processing of Program Interruptions covered by an SPIE/ESPIE exit. Also contains storage used as an SRB by the Program Check FLIH.

SCA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SCA	
0	(0)	ADDRESS	4	SCAPIE	ADDRESS OF PIE
4	(4)	CHARACTER	1	SCAPMASK	PROGRAM MASK AT TIME OF SPIE INITIATION. RESTORED AT SPIE NULLIFICATION.
5	(5)	CHARACTER	1	SCAFLAGS	FLAG BYTE
		1...		SCATYPE	"X'80'" IF 1 THEN ESPIE EXIT IN CONTROL. IF 0 THEN SPIE EXIT IN CONTROL. THIS BIT ONLY MEANINGFUL IF PIENOPI SET TO 1
6	(6)	CHARACTER	2	SCARESV	RESERVED FOR FUTURE USE
8	(8)	CHARACTER	16	SCAPARMS	PROG CHECK FLIH'S SRB PARMS
24	(18)	ADDRESS	4	SCARPPTR	RECOVERY PIE PICA ADDRESS
28	(1C)	ADDRESS	4	SCAFRPPQ	FREE RPIEPICA QUEUE HEADER
32	(20)	ADDRESS	4	SCALSCR	LINKAGE STACK CONTROL REGISTER AT TIME OF ERROR
36	(24)	CHARACTER	64	SCAARS	ACCESS REGISTERS TIME OF ERROR
100	(64)	CHARACTER	4	SCAWORK	WORK AREA USED DURING ESPIE
104	(68)	ADDRESS	4	SCAPPIE	ADDRESS OF PUBLIC STORAGE EPIE OR ZERO.
108	(6C)	ADDRESS	4	SCARQPIE	PIE USED BY TESP
112	(70)	ADDRESS	4	SCACPIE	PIE being used by the current exit (if any)
116	(74)	ADDRESS	4		RESERVED
120	(78)	ADDRESS	4		RESERVED
124	(7C)	CHARACTER	4	SCANAME	'SCA ' Eyecatcher in EBCDIC
128	(80)	ADDRESS	4	SCABKD	Backward chain pointer A zero SCABKD means that this is the first SCA chained from the ASSB
132	(84)	ADDRESS	4	SCAFWD	Forward chain pointer A zero SCAFWD means that this is the last SCA on the chain
136	(88)	CHARACTER	64	SCAG64H	64-bit GPR high halves
200	(C8)	CHARACTER	128	SCAG64	Entire 64-bit GPR
328	(148)	CHARACTER	64	SCACRS	32-bit Control Regs
392	(188)	CHARACTER	128	SCACRS64	Entire 64-bit Control Regs
520	(208)	BITSTRING	1	SCAPTR2	TEA AR number

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SCA Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		Comment			
		DS XL3 RESERVED			
		End of Comment			
524	(20C)	ADDRESS	4	SCAPVAD	TEA (32-bit)
528	(210)	CHARACTER	8	SCAPVA64	TEA (64-bit)
536	(218)	SIGNED	4	SCASRB (0)	SRB USED BY PROG CHECK FLIH
536	(218)	X'218'	0	SCALEN	"*-SCA" LENGTH OF SCA EXCLUDING THE SRB

SCA Cross Reference

Name	**Hex Offset**	**Hex Value**
SCA	0	
SCAARS	24	
SCABKD	80	
SCACPIE	70	
SCACRS	148	
SCACRS64	188	
SCAFLAGS	5	
SCAFRPPQ	1C	
SCAFWD	84	
SCAG64	C8	
SCAG64H	88	
SCALEN	218	218
SCALSCR	20	
SCANAME	7C	
SCAPARMS	8	
SCAPIE	0	
SCAPMASK	4	
SCAPPIE	68	
SCAPTR2	208	
SCAPVAD	20C	
SCAPVA64	210	
SCARESV	6	
SCARPPTR	18	
SCARQPIE	6C	
SCASRB	218	
SCATYPE	5	80
SCAWORK	64	

SCANPARM Heading Information

Common Name: PARAMETER LIST FOR IEAVQ700 (THE COMM TASK QUEUE SCANNER)
Macro ID: IEZVQ100
DSECT Name: SCANPARM
Owning Component: COMMUNICATIONS TASK (SC1CK)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: CHOSEN BY CALLER OF IEAVQ700
Key: CHOSEN BY CALLER OF IEAVQ700
Residency: ABOVE/BELOW 16 MB IN REAL/VIRTUAL STORAGE.
Size: 100 BYTES
Created by: CALLERS OF IEAVQ700
Pointed to by: REGISTER 1 ON ENTRY TO IEAVQ700
Serialization: NONE
Function: THIS MACRO MAPS THE PARAMETER LIST FOR THE COMM TASK QUEUE SCANNER MODULE IEAVQ700

SCANPARM Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	100	SCANPARM	IEAVQ700 PARM LIST
0	(0)	BITSTRING	3	SCANFUNC	SEARCH FUNCTIONS
0	(0)	BITSTRING	1	SCANFC1	1ST BYTE OF SEARCH FUNCTIONS
		1...		SCANMDSC	DESCRIPTOR CODE MATCH
		.1..		SCANMASD	ASID MATCH
		..1.		SCANMTCB	JOB STEP TCB MATCH
		...1		SCANMMID	MSG SEQ ID MATCH
		.... 1...		SCANMDSR	DISPLAY SEQUENCE NUMBER RANGE MATCH (USED BY K C ONLY)
		.... .1..		SCANMTXT	MSG TEXT MATCH
		.... ..1.		SCANMTKN	TOKEN MATCH
		1		SCANMSID	SYSID MATCH
1	(1)	BITSTRING	1	SCANFC2	2ND BYTE OF SEARCH FUNCTIONS
		1...		SCANMDSQ	DISPLAY SEQUENCE NUMBER MATCH (USED BY K C ONLY)
		.1..		SCANMSNM	SYSTEM NAME MATCH
		..1.		SCANMMLV	MESSAGE LEVEL MATCH
		...1		SCANMCID	CONSOLE ID MATCH
		.... 1...		SCANMRTC	ROUTING CODES MATCH
		.... .1..		SCANDALL	MATCH ALL DESC CODES
		11		*	RESERVED
2	(2)	BITSTRING	1	SCANFC3	3RD BYTE OF SEARCH FUNCTIONS - RESERVED
3	(3)	UNSIGNED	1	SCANQUE	CODE OF QUEUE TO SEARCH
4	(4)	BITSTRING	2	SCANDESC	DESCRIPTOR CODES TO MATCH
4	(4)	BITSTRING	1	SCANDBY1	1ST BYTE OF DESCRIPTOR CODES
		1...		SCANDC1	DESCRIPTOR CODE 1
		.1..		SCANDC2	DESCRIPTOR CODE 2
		..1.		SCANDC3	DESCRIPTOR CODE 3
		...1		SCANDC4	DESCRIPTOR CODE 4
		.... 1...		SCANDC5	DESCRIPTOR CODE 5
		.... .1..		SCANDC6	DESCRIPTOR CODE 6
		.... ..1.		SCANDC7	DESCRIPTOR CODE 7
		1		SCANDC8	DESCRIPTOR CODE 8
5	(5)	BITSTRING	1	SCANDBY2	2ND BYTE OF DESCRIPTOR CODES
		1...		SCANDC9	DESCRIPTOR CODE 9
		.1..		SCANDC10	DESCRIPTOR CODE 10
		..1.		SCANDC11	DESCRIPTOR CODE 11
		...1		SCANDC12	DESCRIPTOR CODE 12 - RESERVED
		.... 1...		SCANDC13	DESCRIPTOR CODE 13 - RESERVED

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SCANPARM Constants

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		.... .1..		SCANDC14	DESCRIPTOR CODE 14 - RESERVED
		.... ..1.		SCANDC15	DESCRIPTOR CODE 15 - RESERVED
		1		SCANDC16	DESCRIPTOR CODE 16 - RESERVED
6	(6)	BITSTRING	1	SCANFLG1	SEARCH SPECIFICATIONS
		1...		SCANCNRT	ACCEPT EITHER CONSOLE ID OR ROUTING CODE MATCH
		.1..		SCANMSCP	INDICATE CONSOLE MSCOPE MUST BE CHECKED
		..11 1111		*	RESERVED
7	(7)	UNSIGNED	1	SCANVRSN	VERSION LEVEL
8	(8)	UNSIGNED	1	SCANCNID	CONSOLE ID TO MATCH (RESERVED)
9	(9)	BITSTRING	1	SCANMISC	MISCELLANEOUS ROUTING INFORMATION
10	(A)	CHARACTER	2	SCANASID	ASID TO MATCH
12	(C)	ADDRESS	4	SCANTCBP	TCB TO MATCH
16	(10)	SIGNED	4	SCANMID	MSG SEQ ID TO MATCH
20	(14)	SIGNED	4	SCANHDSR	HIGH END OF DISPLAY SEQUENCE NUMBER RANGE TO MATCH (USED BY K C ONLY)
24	(18)	ADDRESS	4	SCANCENT	ADDR OF ENTRY FOUND OR ZERO
28	(1C)	ADDRESS	4	SCANPENT	ADDR OF PRECEDING ENTRY OR ZERO. IF ENTRY IS FOUND AND THIS IS ZERO, ENTRY FOUND IS 1ST ON QUEUE
32	(20)	ADDRESS	4	SCANWKPT	ADDR OF WORK AREA FOR IEAVQ700
36	(24)	UNSIGNED	1	SCANLGTH	LENGTH OF TEXT TO MATCH
37	(25)	CHARACTER	8	SCANTEXT	TEXT TO MATCH
45	(2D)	CHARACTER	1	SCANSYID	SYSTEM ID TO MATCH
46	(2E)	BITSTRING	2	SCANMLVL	MESSAGE LEVEL TO MATCH
		1111 1...		*	
		.... .1..		SCANMLBC	BROADCAST ALLOWED
48	(30)	ADDRESS	4	SCANTOKN	TOKEN TO MATCH
52	(34)	SIGNED	4	SCANDSQN	DISPLAY SEQUENCE NUMBER TO MATCH OR LOW END OF DISPLAY SEQUENCE NUMBER RANGE MATCH (USED BY K C ONLY)
56	(38)	CHARACTER	8	SCANSYNM	SYSTEM NAME TO MATCH
64	(40)	CHARACTER	16	SCANRTCD	ROUTING CODES TO MATCH
80	(50)	UNSIGNED	4	SCANCONS	4 BYTE CONSOLE ID
84	(54)	BITSTRING	8	SCANTOD	8 BYTE TIME STAMP
92	(5C)	SIGNED	4	SCANMSNO	NUMBER OF MSCOPE VALUES
96	(60)	ADDRESS	4	SCANSYSE	POINTER TO MSCOPE VALUE LIST

SCANPARM Constants

Len	Type	Value	Name	Description
		Comment		
		CODES FOR QUEUES TO BE SEARCHED		
		End of Comment		
1	DECIMAL	1	SCANORE	ORE QUEUE
1	DECIMAL	2	SCANWQE	WQE QUEUE
1	DECIMAL	3	SCANRMSG	RETAINED MSG QUEUE
1	DECIMAL	4	SCANRIAM	RETAINED IMMEDIATE ACTION MSG QUEUE
1	DECIMAL	5	SCANREAM	RETAINED EVENTUAL ACTION MSG QUEUE
1	DECIMAL	6	SCANRCAM	RETAINED CRITICAL EVENTUAL ACTION MESSAGE QUEUE
1	DECIMAL	1	SCANMINQ	MINIMUM QUEUE NUMBER
1	DECIMAL	6	SCANMAXQ	MAXIMUM QUEUE NUMBER
		Comment		
		VALUES FOR VERSION LEVEL		
		End of Comment		
1	DECIMAL	1	SCANSP22	VERSION LEVEL IS OS/VS2 JBB2220
1	DECIMAL	2	SCANSP41	VERSION LEVEL IS OS/VS2 HBB4410

Len	Type	Value	Name	Description
1	DECIMAL	2	SCANVRID	VERSION LEVEL - UPDATED FOR SIZE OR INCOMPATIBLE CHANGE

SCANPARM Cross Reference

Name	Hex Offset	Hex Value
SCANASID	A	
SCANCENT	18	
SCANCNID	8	
SCANCNRT	6	80
SCANCONS	50	
SCANDALL	1	04
SCANDBY1	4	
SCANDBY2	5	
SCANDC1	4	80
SCANDC10	5	40
SCANDC11	5	20
SCANDC12	5	10
SCANDC13	5	08
SCANDC14	5	04
SCANDC15	5	02
SCANDC16	5	01
SCANDC2	4	40
SCANDC3	4	20
SCANDC4	4	10
SCANDC5	4	08
SCANDC6	4	04
SCANDC7	4	02
SCANDC8	4	01
SCANDC9	5	80
SCANDESC	4	
SCANDSQN	34	
SCANFC1	0	
SCANFC2	1	
SCANFC3	2	
SCANFLG1	6	
SCANFUNC	0	
SCANHDSR	14	
SCANLGTH	24	
SCANMASD	0	40
SCANMCID	1	10
SCANMDSC	0	80
SCANMDSQ	1	80
SCANMDSR	0	08
SCANMID	10	
SCANMISC	9	
SCANMLBC	2E	04
SCANMLVL	2E	
SCANMMID	0	10
SCANMMLV	1	20
SCANMRTC	1	08
SCANMSCP	6	40
SCANMSID	0	01
SCANMSNM	1	40
SCANMSNO	5C	
SCANMTCB	0	20
SCANMTKN	0	02
SCANMTXT	0	04
SCANPARM	0	
SCANPENT	1C	
SCANQUE	3	
SCANRTCD	40	
SCANSYID	2D	
SCANSYNM	38	
SCANSYSE	60	
SCANTCBP	C	
SCANTEXT	25	
SCANTOD	54	
SCANTOKN	30	
SCANVRSN	7	
SCANWKPT	20	

SCB Programming Interface information

Programming Interface information

SCB

INCLUDE ONLY

End of Programming Interface information

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SCB Heading Information

Common Name: STAE Control Block
Macro ID: IHASCB
DSECT Name: SCB, SCBX
Owning Component: Recovery Termination Manager (SCRTM)
Eye-Catcher ID: None
Storage Attributes: Subpool: 255
Key: 0
Size: 48 bytes
Created by: IEAVSTA0, IEAVSTA1
Pointed to by: TCBSTABB field of the TCB data area
SCBCHAIN field of the SCB data area
Serialization: Task Active
Function: The SCB is used to make STAE/ESTAE/ESTAEX recovery routines known to the system.

SCB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SCB	, SCBPTR
0	(0)	ADDRESS	4	SCBCHAIN	POINTER TO NEXT SCB ON CHAIN
4	(4)	ADDRESS	4	SCBEXIT	POINTER TO USER WRITTEN EXIT ROUTINE
8	(8)	ADDRESS	4	SCBPARM (0)	ADDRESS OF PARAMETER LIST FOR STA EXIT
8	(8)	BITSTRING	1	SCBFLGS1	FIRST FLAG BYTE
		1...		SCBSTAI	"X'80'" STAI SCB
		.1..		SCBASCM	"X'40'" ADDRESS SPACE CONTROL MODE FOR EXIT ROUTINE 0 = PRIMARY,1 = AR MODE
		..1.		SCBNCNL	"X'20'" NO CANCEL - ROUTINE RUNS PROTECTED FROM CANCELS AND DETACHES
		...1		SCBESTAE	"X'10'" ESTAE INDICATOR
		.... 1...		SCBTOKEN	"X'08'" ESTAE ESTABLISHED WITH TOKEN
		.... .1..		SCBASYNC	"X'04'" ALLOW ASYNCHRONOUS INTERRUPTS
		11		SCBIOPRC	"X'03'" I/O PROCESSING OPTION, BITS 6 AND 7-- 00 - QUIESCE I/O 01 - HALT I/O 10 - BYPASS I/O INTERVENTION 11 - (RESERVED)
		.... ..1.		SCBNOIOP	"X'02'" BYPASS I/O INTERVENTION
		1		SCBHALT	"X'01'" HALT I/O
9	(9)	ADDRESS	3	SCBPARMA	24 BIT USER PARAMETER LIST ADDRESS
		1...		SCBAM64	"X'80'" Extended AMODE - 64. Only valid when this is not a STAE/STAI.
12	(C)	ADDRESS	4	SCBOWNR (0)	TCB/RB ADDRESS CONTROLLING THIS SCB
12	(C)	BITSTRING	1	SCBFLGS2	SECOND FLAG BYTE
		1...		SCBAMODE	"X'80'" USER IN 31 BIT ADDRESSING MODE
		1...		SCBAM31	"X'80'" USER IN 31 BIT ADDRESSING MODE
		.1..		SCBXCTL2	"X'40'" RETAIN THIS SCB ACROSS XCTL
		..1.		SCBARRFL	"X'20'" ON, THIS SCB WAS CREATED BY RTM2 TO MANAGE AN

Comment

ASSOCIATED RECOVERY ROUTINE FROM THE LINKAGE STACK

End of Comment

		...1	SCBINUSE	"X'10'" THIS SCB IS IN USE OR HAS PERCOLATED OR ABENDED
		.... 1...	SCBLO31	"X'08'" SDWA is LOC 31
		.... .1..	SCBPC	"X'04'" PC ESTAE TYPE SCB
		.... ..1.	SCBKEY0	"X'02'" USER IN KEY 0
		1	SCBSUPER	"X'01'" USER IN SUPERVISOR MODE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
13	(D)	ADDRESS	3	SCBOWNRA	RB ADDRESS IF STAE, TCB ADDRESS IF STAI.
16	(10)	ADDRESS	4	SCBDATA (0)	FLAGS AND DATA FIELD
16	(10)	BITSTRING	1	SCBFLGS3	OPTION FLAGS
		1...		SCBSTAUT	"X'80'" STAE REQUESTOR IS AUTHORIZED
		.1..		SCBTERMI	"X'40'" AUTHORIZED FOR TERM PROCESSING
		..1.		SCBRECRD	"X'20'" ERROR RECORD TO BE WRITTEN TO SYS1.LOGREC
		...1		SCBDUMMY	"X'10'" DUMMY SCB - (WILL NOT BE SCHEDULED)
		.... 1...		SCBPRNTR	"X'08'" SCB PREVIOUSLY ENTERED
		.... .1..		SCBBRNTR	"X'04'" FESTAE
		.... ..1.		SCBRB	"X'02'" SAVED STATUS OF RBSCB
		1		SCBUNSS	"X'01'" UNSTACK SUPPRESS STATUS OF THE LINKAGE STACK ENTRY THAT WAS CURRENT WHEN THIS SCB WAS CREATED. 1 - UNSTACK SUPPRESS WAS ACTIVE 0 - UNSTACK SUPPRESS WAS INACTIVE
17	(11)	CHARACTER	1	SCBPKEY	PROGRAM KEY
18	(12)	CHARACTER	1	SCBID	SCB IDENTIFIER
19	(13)	BITSTRING	1	SCBPCFLG	PC ESTAE USER FLAGS, VALID IF SCBPC IS ON
20	(14)	ADDRESS	4	SCBXPTR	POINTER TO SCB EXTENSION
		1...		SCBFTIME	"X'80'" SCB WAS IN THE FIRST GETMAIN
20	(14)	X'18'	0	SCBLEN	"*-SCB" LENGTH OF SCB

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SCBX	, SCBXPTR - SCB EXTENSION
0	(0)	CHARACTER	8	SCBXCR34 (0)	CONTROL REGISTERS 3 AND 4 (WITH EAX)
0	(0)	CHARACTER	2	SCBXKMSK	KEYMASK
2	(2)	CHARACTER	6	SCBXRSV (0)	SECONDARY ASN, EAX , PRIMARY ASN
2	(2)	CHARACTER	2	SCBXSASN	SECONDARY ASN
4	(4)	CHARACTER	2	SCBXEAX	EXTENDED AUTH. INDEX
6	(6)	CHARACTER	2	SCBXPASN	PRIMARY ASN
8	(8)	SIGNED	4	SCBXTOKN	ESTAE TOKEN VALUE
12	(C)	ADDRESS	4	SCBXPARM	31 BIT USER PARAMETER LIST ADDRESS
16	(10)	SIGNED	4	SCBXALET	ALET ASSOCIATED WITH PARAM VALUE
20	(14)	ADDRESS	4	SCBXLSEA	LINKAGE STACK ENTRY ADDRESS
20	(14)	X'18'	0	SCBXLEN	"*-SCBX" LENGTH OF SCB EXTENSION
20	(14)	X'30'	0	SCBTLEN	"SCBLEN+SCBXLEN" TOTAL LENGTH FOR GETMAIN

SCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SCB	0		SCBKEY0	C	2
SCBAMODE	C	80	SCBLEN	14	18
SCBAM31	C	80	SCBLO31	C	8
SCBAM64	9	80	SCBNCNL	8	20
SCBARRFL	C	20	SCBNOIOP	8	2
SCBASCM	8	40	SCBOWNR	C	
SCBASYNC	8	4	SCBOWNRA	D	
SCBBRNTR	10	4	SCBPARM	8	
SCBCHAIN	0		SCBPARMA	9	
SCBDATA	10		SCBPC	C	4
SCBDUMMY	10	10	SCBPCFLG	13	
SCBESTAE	8	10	SCBPKEY	11	
SCBEXIT	4		SCBPRNTR	10	8
SCBFLGS1	8		SCBRB	10	2
SCBFLGS2	C		SCBRECRD	10	20
SCBFLGS3	10		SCBSTAI	8	80
SCBFTIME	14	80	SCBSTAUT	10	80
SCBHALT	8	1	SCBSUPER	C	1
SCBID	12		SCBTERMI	10	40
SCBINUSE	C	10	SCBTLEN	14	30
SCBIOPRC	8	3	SCBTOKEN	8	8

SCB Cross Reference

Name	Hex Offset	Hex Value
SCBUNSS	10	1
SCBX	0	
SCBXALET	10	
SCBXCR34	0	
SCBXCTL2	C	40
SCBXEAX	4	
SCBXKMSK	0	
SCBXLEN	14	18
SCBXLSEA	14	
SCBXPARM	C	
SCBXPASN	6	
SCBXPTR	14	
SCBXRSV	2	
SCBXSASN	2	
SCBXTOKN	8	

SCCB Programming Interface information

Programming Interface information

SCCB

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

- SCCBETF
- SCCBETOD
- SCCBFSDM
- SCCBIR
- SCCBLPCL
- SCCBPLO
- SCCBRP
- SCCBSTSI
- SCCBUNIC

End of Programming Interface information

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SCCB Heading Information

Common Name: SERVICE CALL CONTROL BLOCK (SCCB)
Macro ID: IHASCCB
DSECT Name: SCCB, SCCBCP, SCCBHSA, SCCBMPF
Owning Component: SERVICE PROCESSOR INTERFACE (SCSPI)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: CALLER'S SUBPOOL - CALLER'S AREA. 245 - CVTSCPIN AREA.
Key: CALLER'S KEY - CALLER'S AREA. 0 - CVTSCPIN AREA.
Size: 4096 BYTES (DEFAULT). IF SCCBLEN IS SPECIFIED THEN SIZE CAN BE 8 TO 4096 BYTES.
Created by: ANYONE WHO COMMUNICATES WITH THE SERVICE PROCESSOR.
Pointed to by: CALLER'S POINTER, OR CVTSCPIN.
Serialization: NOT APPLICABLE.
Function: MAPS THE COMMON FIELDS OF THE SCCB FOR ALL SERVICE PROCESSOR COMMANDS AND THE DATA AREA RETURNED FROM THE SERVICE PROCESSOR ARCHITECTURE COMMAND READ SCP INFO.

SCCB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	4096	SCCB	SERVICE CALL CONTROL BLOCK.
0	(0)	CHARACTER	8	SCCBHEAD	SCCB HEADER.
0	(0)	UNSIGNED	2	SCCBLNG	LENGTH OF THE ENTIRE SCCB (MAXIMUM 4096).
2	(2)	BITSTRING	1	SCCBFLAG	CALLER FLAGS. COMMAND DEPENDENT.
3	(3)	CHARACTER	3	SCCBR003	RESERVED.
6	(6)	CHARACTER	2	SCCBRESP	SERVICE PROCESSOR RESPONSE.
6	(6)	BITSTRING	2	SCCBRSP	SERVICE PROCESSOR RESPONSE.
6	(6)	BITSTRING	1	SCCBREAS	SERVICE PROCESSOR REASON CODE.
7	(7)	BITSTRING	1	SCCBRCC	SERVICE PROCESSOR RESPONSE CLASS CODE.
8	(8)	CHARACTER	4088	SCCBCMDD	VARIABLE LENGTH COMMAND DEPENDENT DATA.
4096	(1000)	CHARACTER	0	SCCBEND	END OF SCCB.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
8	(8)	STRUCTURE	*	SCCBSCPI	MAPPING OF SCCB COMMAND DEPENDENT DATA FIELD, SCCBCMDD, FOR SERVICE PROCESSOR COMMAND READ SCP INFO.
8	(8)	UNSIGNED	2	SCCBSAR	REAL STORAGE ADDRESS RANGE. MAXIMUM STORAGE INCREMENT NUMBER INSTALLED.
10	(A)	UNSIGNED	1	SCCBSAI	REAL STORAGE ADDRESS INCREMENT, IN UNITS OF 1M. WHEN 0, value is in SCCBSAIX
11	(B)	UNSIGNED	1	SCCBSBS	REAL STORAGE BLOCK SIZE IN UNITS OF 1K.
12	(C)	UNSIGNED	2	SCCBSII	REAL STORAGE INCREMENT BLOCK INTERLEAVE INTERVAL.
14	(E)	CHARACTER	2	SCCBR00E	RESERVED.
16	(10)	UNSIGNED	2	SCCBNCPS	NUMBER OF CPUS INSTALLED.
18	(12)	UNSIGNED	2	SCCBOCP	SCCB OFFSET TO CPU DATA ARRAY MAPPED BY SCCBCP.
20	(14)	UNSIGNED	2	SCCBNHSA	NUMBER OF HSAS.
22	(16)	UNSIGNED	2	SCCBOHSA	SCCB OFFSET TO HSA DATA ARRAY MAPPED BY SCCBHSA.
24	(18)	CHARACTER	8	SCCBPARM	LOAD PARAMETER INFORMATION FROM SERVICE PROCESSOR.
32	(20)	UNSIGNED	4	SCCBMESI	EXTENDED STORAGE ADDRESS RANGE. MAXIMUM EXTENDED STORAGE INCREMENT NUMBER INSTALLED.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
36	(24)	UNSIGNED	4	SCCBNXSB	NUMBER OF 4K STORAGE BLOCKS IN AN EXTENDED STORAGE INCREMENT (BLOCK SIZE SCCBEBSZ).
40	(28)	UNSIGNED	2	SCCBMESE	MAXIMUM EXTENDED STORAGE ELEMENT NUMBER INSTALLED.
42	(2A)	CHARACTER	2	SCCBR02A	RESERVED.
44	(2C)	UNSIGNED	4	SCCBVPRM	VECTOR PARAMETERS.
44	(2C)	UNSIGNED	2	SCCBVSS	VECTOR SECTION SIZE.
46	(2E)	UNSIGNED	2	SCCBVPSM	VECTOR PARTIAL SUM NUMBER.
48	(30)	CHARACTER	8	SCCBIFM	INSTALLED FACILITY MAP.
48	(30)	CHARACTER	1	SCCBIFM1	INSTALLED FACILITY MAP BYTE 1.
		1...		SCCBCHPI	CHANNEL PATH INFORMATION INSTALLED.
		.1..		SCCBCHPS	CHANNEL PATH SUBSYSTEM COMMAND INSTALLED.
		..1.		SCCBCHPR	CHANNEL PATH RECONFIGURATION INSTALLED.
		...1		*	RESERVED.
		.... 1...		SCCBCPUI	CPU INFORMATION INSTALLED.
		.... .1..		SCCBCPUR	CPU RECONFIGURATION INSTALLED.
		11		*	RESERVED.
49	(31)	CHARACTER	1	SCCBIFM2	INSTALLED FACILITY MAP BYTE 2.
		1...		SCCBSGNL	SIGNAL ALARM INSTALLED.
		.1..		SCCBOMR	WRITE OPERATOR MESSAGE AND READ OPERATOR RESPONSE INSTALLED.
		..1.		SCCBSTST	STORE STATUS ON LOAD INSTALLED.
		...1		SCCBRSTR	RESTART REASONS INSTALLED.
		.... 1...		SCCBITRC	INSTRUCTION ADDRESS TRACE BUFFER INSTALLED.
		.... .1..		SCCBLPRM	LOAD PARAMETER INSTALLED.
		.... ..1.		SCCBWDAT	READ AND WRITE DATA INSTALLED.
		1		*	RESERVED.
50	(32)	CHARACTER	1	SCCBIFM3	INSTALLED FACILITY MAP BYTE 3.
		1...		SCCBSIR	REAL STORAGE INCREMENT RECONFIGURATION INSTALLED.
		.1..		SCCBSEI	REAL STORAGE ELEMENT INFORMATION INSTALLED.
		..1.		SCCBSER	REAL STORAGE ELEMENT RECONFIGURATION INSTALLED.
		...1		SCCBCARS	COPY AND REASSIGN STORAGE INSTALLED.
		.... 1...		SCCBESUM	EXTENDED STORAGE USABILITY MAP INSTALLED.
		.... .1..		SCCBESEI	EXTENDED STORAGE ELEMENT INFORMATION INSTALLED.
		.... ..1.		SCCBESER	EXTENDED STORAGE ELEMENT RECONFIGURATION INSTALLED.
		1		SCCBCARL	COPY AND REASSIGN STORAGE LIST INSTALLED.
51	(33)	CHARACTER	1	SCCBIFM4	INSTALLED FACILITY MAP BYTE 4.
		1...		SCCBVFR	VECTOR FEATURE RECONFIGURATION INSTALLED.
		.1..		SCCBEVNT	READ / WRITE EVENT INSTALLED.
		..1.		SCCBESUE	EXPANDED-STORAGE-USABILITY BIT MAP EXTENDED IS INSTALLED.
		...1		*	RESERVED.
		.... 1...		SCCBRRGI	READ RESOURCE GROUP INFORMATION INSTALLED.
		.... .111		*	RESERVED.
52	(34)	CHARACTER	4	SCCBIFM5	INSTALLED FACILITY MAP BYTES 5-8.
56	(38)	CHARACTER	8	SCCBR038	RESERVED.
64	(40)	BITSTRING	2	SCCBMRGI	MAXIMUM RESOURCE GROUP INSTALLED.
66	(42)	CHARACTER	6	SCCBR042	RESERVED.
72	(48)	UNSIGNED	2	SCCBMPFE	NUMBER OF ENTRIES.
74	(4A)	UNSIGNED	2	SCCBMPFO	OFFSET.
76	(4C)	CHARACTER	4	SCCBR04C	RESERVED.
80	(50)	CHARACTER	6	SCCBCONF	CONFIGURATION CHARACTERISTICS.
80	(50)	CHARACTER	1	SCCBCON1	BITS 0-7 OF CONFIGURATION CHARACTERISTICS.
		1...		SCCBBFY	CONFIGURATION IS RUNNING UNDER BFY.
		.1..		*	RESERVED.
		..1.		SCCBSOPF	SUPPRESSION ON PROTECTION FACILITY
		...1		SCCBIRIN	INITIATE RESET INSTALLED
		.... 1...		SCCBCSCF	STORE CHANNEL SUBSYSTEM / CHARACTERISTICS FACILITY IS INSTALLED.
		.... .11.		*	RESERVED.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		1		SCCBFSDM	Fast synchronous data mover
81	(51)	CHARACTER	1	SCCBCON2	BITS 8-15 OF CONFIGURATION CHARACTERISTICS.
		1...		*	RESERVED.
		.1..		SCCBCSLO	CSLO IS INSTALLED
		..11 1111		*	RESERVED.
82	(52)	CHARACTER	1	SCCBCON3	BITS 16-23 OF CONFIGURATION CHARACTERISTICS. (BYTE 82 OF SCCB).
		1...		*	RESERVED.
		.1..		SCCBDAOM	DEVICE-ACTIVE-ONLY MEASUREMENT FACILITY IS INSTALLED
		..11 111.		*	RESERVED.
		1		SCCBCKSM	CHECKSUM INSTR. INSTALLED
83	(53)	CHARACTER	1	SCCBCON4	BITS 24-31 OF CONFIGURATION CHARACTERISTICS. (BYTE 83 OF SCCB).
		1...		SCCBRP	RESUME PROGRAM INSTALLED
		.1..		SCCBPLO	PERFORM LOCKED OP. INST.
		..1.		*	Reserved
		...1		SCCBIR	Immediate and relative
		.... 1...		SCCBEL	extended length (MVCLE, CLCLE)
		.... .1..		SCCBBSA	BSA
		.... ..1.		SCCBBFP	Binary Floating Point is installed
		1		SCCBXLOG	Extended logical computation facility is installed
84	(54)	CHARACTER	1	SCCBCON5	BITS 32-39 OF CONFIGURATION CHARACTERISTICS. (BYTE 84 OF SCCB).
		1...		SCCBETOD	EXTENDED TOD CLOCK FACILITY IS INSTALLED.
		.1..		SCCBETF	Extended translation facility installed (TRE, CUUTF, CUTFU)
		..1.		SCCBLRF	Load-reversed facility
		...1		SCCBUNIC	Extended translation facility 2 installed (Unicode) (TP, PKA, UNPKA, PKU, UNPKU, MVCLU, CLCLU, TRTT, TRTO, TROT, TROO)
		.... 1...		SCCBSTSI	STSI INST. IS INSTALLED.
		.... .1..		*	RESERVED.
		.... ..1.		SCCBLPCL	LPAR CLUSTERING
		1		*	RESERVED.
85	(55)	CHARACTER	1	SCCBCON6	BYTE 85
		1111 111.		*	RESERVED.
		1		SCCBZARC	z/Architecture is installed
		1		SCCBESAM	z/Architecture is installed
86	(56)	UNSIGNED	4	SCCBRCCI	CAPACITY.
90	(5A)	CHARACTER	1	*	RESERVED.
91	(5B)	UNSIGNED	1	SCCBCARN	NUMBER OF ELEMENTS IN COPY AND REASSIGN LIST
92	(5C)	BITSTRING	4	SCCBETR	ETR-SYNC-CHECK TOLERANCE
96	(60)	CHARACTER	3	*	RESERVED.
99	(63)	UNSIGNED	1	SCCBGSTR	Guest real
100	(64)	UNSIGNED	4	SCCBSAIX	Real storage address increment in units of 1M. Size is a power of 2.
104	(68)	CHARACTER	24	*	RESERVED.
128	(80)	CHARACTER	*	SCCBDATA	DATA ARRAYS.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	16	SCCBCP	CPU INFORMATION ENTRY.
0	(0)	UNSIGNED	1	SCCBCPA	CPU ADDRESS.
1	(1)	UNSIGNED	1	SCCBTOD#	TOD CLOCK NUMBER FOR THIS CPU.
2	(2)	CHARACTER	2	*	RESERVED.
4	(4)	BITSTRING	1	SCCBCPFL	CPU CHARACTERISTIC FLAGS BYTE 1. (BIT POSITIONS 32-39.)
		1...		SCCBVFIN	VECTOR FEATURE INSTALLED.
		.1..		SCCBVFCN	VECTOR FEATURE CONNECTED.
		..1.		SCCBVFSB	VECTOR FEATURE IN STANDBY STATE.
		...1		SCCBCRIN	CRYPTO FEATURE INSTALLED.
		 1111		*	RESERVED.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
5	(5)	BITSTRING	1	SCCBCPF2	CPU CHARACTERISTIC FLAGS BYTE 2. (BIT POSITIONS 40-47.)
		1...		SCCBMPSB	PRIVATE SPACE BIT IS INSTALLED.
		.111 111.		*	RESERVED.
		1		SCCBPER2	PER 2 INSTALLED.
6	(6)	CHARACTER	9	*	RESERVED.
15	(F)	CHARACTER	1	*	RESERVED.
		1111 111.		*	RESERVED.
		1		SCCBKSID	KSU ID OF INSTALLED CRYPTO FEATURE.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	6	SCCBHSA	HSA INFORMATION ENTRY.
0	(0)	UNSIGNED	2	SCCBHSSZ	SIZE OF THIS HSA IN UNITS OF 4K (SCCBHUSZ).
2	(2)	ADDRESS	4	SCCBAHSA	ADDRESS OF THIS HSA.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	2	SCCBMPF (*)	MPF INFO. ARRAY.
0	(0)	UNSIGNED	2	SCCBMPFY	MPF INFO. ENTRY.

SCCB Constants

Len	Type	Value	Name	Description
		Comment		
		SERVICE PROCESSOR ARCHITECTURE AND SUPPORTED CONSTANTS.		
		End of Comment		
4	HEX	00000400	SCCB1K	ONE KILOBYTE (1K).
4	HEX	00100000	SCCB1M	ONE MEGABYTE (1M).
4	HEX	00001000	SCCBEBSZ	EXTENDED STORAGE BLOCK SIZE (4K).
2	DECIMAL	1	SCCBESII	EXTENDED STORAGE INCREMENT BLOCK INTERLEAVE INTERVAL.
4	HEX	00001000	SCCBFMSZ	FRAME SIZE (4K).
4	HEX	00001000	SCCBHUSZ	HSA UNIT SIZE (4K).
2	DECIMAL	16	SCCBMCPU	MAXIMUM NUMBER OF CPUS SUPPORTED.

SCCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SCCB	0		SCCBCON4	53	
SCCBAHSA	2		SCCBCON5	54	
SCCBBFP	53	02	SCCBCON6	55	
SCCBBFY	50	80	SCCBCP	0	
SCCBBSA	53	04	SCCBCPA	0	
SCCBCARL	32	01	SCCBCPFL	4	
SCCBCARN	5B		SCCBCPF2	5	
SCCBCARS	32	10	SCCBCPUI	30	08
SCCBCHPI	30	80	SCCBCPUR	30	04
SCCBCHPR	30	20	SCCBCRIN	4	10
SCCBCHPS	30	40	SCCBCSCF	50	08
SCCBCKSM	52	01	SCCBCSLO	51	40
SCCBCMDD	8		SCCBDAOM	52	40
SCCBCONF	50		SCCBDATA	80	
SCCBCON1	50		SCCBEL	53	08
SCCBCON2	51		SCCBEND	1000	
SCCBCON3	52		SCCBESAM	55	01

SCCB Cross Reference

Name	Hex Offset	Hex Value
SCCBESEI	32	04
SCCBESER	32	02
SCCBESUE	33	20
SCCBESUM	32	08
SCCBETF	54	40
SCCBETOD	54	80
SCCBETR	5C	
SCCBEVNT	33	40
SCCBFLAG	2	
SCCBFSDM	50	01
SCCBGSTR	63	
SCCBHEAD	0	
SCCBHSA	0	
SCCBHSSZ	0	
SCCBIFM	30	
SCCBIFM1	30	
SCCBIFM2	31	
SCCBIFM3	32	
SCCBIFM4	33	
SCCBIFM5	34	
SCCBIR	53	10
SCCBIRIN	50	10
SCCBITRC	31	08
SCCBKSID	F	01
SCCBLNG	0	
SCCBLPCL	54	02
SCCBLPRM	31	04
SCCBLRF	54	20
SCCBMESE	28	
SCCBMESI	20	
SCCBMPF	0	
SCCBMPFE	48	
SCCBMPFO	4A	
SCCBMPFY	0	
SCCBMPSB	5	80
SCCBMRGI	40	
SCCBNCPS	10	
SCCBNHSA	14	
SCCBNXSB	24	
SCCBOCP	12	
SCCBOHSA	16	
SCCBOMR	31	40
SCCBPARM	18	
SCCBPER2	5	01
SCCBPLO	53	40
SCCBRCC	7	
SCCBRCCI	56	
SCCBREAS	6	
SCCBRESP	6	
SCCBRP	53	80
SCCBRRGI	33	08
SCCBRSP	6	
SCCBRSTR	31	10
SCCBR00E	E	
SCCBR003	3	
SCCBR02A	2A	
SCCBR038	38	
SCCBR04C	4C	
SCCBR042	42	
SCCBSAI	A	
SCCBSAIX	64	
SCCBSAR	8	
SCCBSBS	B	
SCCBSCPI	8	
SCCBSEI	32	40
SCCBSER	32	20
SCCBSGNL	31	80
SCCBSII	C	
SCCBSIR	32	80
SCCBSOPF	50	20
SCCBSTSI	54	08
SCCBSTST	31	20
SCCBTOD#	1	
SCCBUNIC	54	10
SCCBVFCN	4	40
SCCBVFIN	4	80
SCCBVFR	33	80
SCCBVFSB	4	20
SCCBVPRM	2C	
SCCBVPSM	2E	
SCCBVSS	2C	
SCCBWDAT	31	02
SCCBXLOG	53	01
SCCBZARC	55	01

SCD Heading Information

Common Name: SCD - HOT I/O Storage Collection Data
Macro ID: IOSDSCD
DSECT Name: SCD
Owning Component: I/O Supervisor (SC1C3)
Eye-Catcher ID: SCD
Offset: 0
Length: 4
Storage Attributes: Subpool: 245
Residency: Above 16Mb line
Size: 56 bytes
Created by: IOSRHDET
Pointed to by: The HDSCDANC fields in IOSRHIDT
Serialization: SCDs obtained and freed while holding the Hot I/O synch lock
Function: The SCD contains data used to determine whether a Hot condition exists. If a Hot condition is detected it also contains recovery information relating to the actions taken.

SCD Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	240	SCDBLOCK	Block of SCDs
0	(0)	CHARACTER	4	SCDBID	Acronym 'SCDB'
4	(4)	UNSIGNED	1	SCDBDVGP	Device group this SCD block associated with (derived from 2nd character of device number - i.e. 0X00)
5	(5)	CHARACTER	3	*	Reserved
8	(8)	ADDRESS	4	SCDBNEXT	Pointer to the next SCD block for this device group
12	(C)	ADDRESS	4	SCDBPREV	Pointer to the previous SCD block for this device group
16	(10)	CHARACTER	56	SCDBSCD (4)	SCDs
240	(F0)	CHARACTER	0	SCDBEND	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	56	SCD	
0	(0)	CHARACTER	4	SCDID	Acronym 'SCD '
4	(4)	CHARACTER	2	SCDDEV#	Device number
6	(6)	UNSIGNED	1	SCDCHP	Channel path of interrupt which caused the Hot threshold to be exceeded
7	(7)	CHARACTER	1	SCDINUSE	SCD in use flags
		1...		SCDASSC	SCD associated with a UCB
		.1..		SCDSLIHW	SLIH waiting for interrupt in order to make device status status pending
		..1.		SCDRSCHC	Clear recovery scheduled but not completed
		...1		SCDRSCHF	Full recovery scheduled but not completed
Comment					
Detection Information					
End of Comment					
8	(8)	CHARACTER	24	SCDDET	Detection information
8	(8)	CHARACTER	8	SCDHDTM	Time of Hot interrupt
8	(8)	UNSIGNED	4	SCDTM1	first word of time

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Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	CHARACTER	4	SCDTM2	second word of time
16	(10)	CHARACTER	1	SCDDIFPT	Different path flags - if on, interrupts have occurred over different path for the interrupt group (ICC/CCC, unit check, attention/DE, and other
		1...		SCDDPICC	ICC/CCC interrupt group
		.1..		SCDDPUC	Unit check interrupt group
		..1.		SCDDPATD	Attention/UDE interrupt group
		...1		SCDDPOTH	Other
17	(11)	CHARACTER	13	SCDGPTHS	
17	(11)	UNSIGNED	1	SCDGINDX	Group type of last interrupt - based on bit position (used as an index into SCDGLPUM and SCDGCNT)
18	(12)	BITSTRING	1	SCDGLPUM (4)	LPUM from the last interrupt for the interrupt group or received for this group
22	(16)	SIGNED	2	SCDGCNT (4)	Count of unsolicited interrupts for the interrupt group
30	(1E)	SIGNED	2	SCDTCNT	Total count of unsolicited interrupts
		Comment			
		Hot I/O detected information			
		End of Comment			
32	(20)	CHARACTER	8	SCDHOT	Information which is only filled in when a Hot condition is detected
32	(20)	ADDRESS	4	SCDHNEXT	Pointer to next hot device on the Hot device queue
36	(24)	ADDRESS	4	SCDXPTR	Pointer to extention which contains the last IRB
		Comment			
		Recovery Information			
		End of Comment			
40	(28)	CHARACTER	12	SCDRECV	Hot I/O recovery information
40	(28)	CHARACTER	5	SCDRINFO (2)	Recovery action taken. Index: 01 = on non-recursion. 02 = on recursion
40	(28)	CHARACTER	1	*	Recovery flags
		1...		SCDRDFLT	Default processing specified in IOSRHIDT used
		.1..		SCDROPER	recovery action obtained from the operator
41	(29)	BITSTRING	1	SCDRMSG	Message type
		1...		SCDR110	IOS110A was the associated message
		.1..		SCDR111	IOS111A was the associated message
		..1.		SCDR112	IOS112A was the associated message
42	(2A)	UNSIGNED	1	SCDRACTN	Recovery action
43	(2B)	CHARACTER	2	SCDRDEVN	If this recovery was handled as a result of recovery for another device, that device number
50	(32)	CHARACTER	1	SCDROTHR	Miscellaneous recovery flags - Indicates actions (other than those listed above) which have been taken by recovery processing.
		1...		SCDRCLR	An attempt has been made to correct the Hot condition with a clear subchannel
		.1..		SCDRCHOF	Recovery has been bypassed because the channel path was offline when the Hot condition was detected.
		..1.		SCDRCHPI	Recovery has been bypassed because channel path recovery was in progress when the Hot condition was detected.
		...1		SCDRBOXD	Hot I/O recovery was not done because the device was already boxed when IOSRHREC was entered.
		.... 1...		SCDRUCBE	Hot I/O recovery was not done because the UCB could not be found when IOSRHREC was entered.
		.... .11.		*	Reserved
		1		SCDINDHI	An induced HOT I/O recovery condition exists.
51	(33)	CHARACTER	1	SCDCOTHR	Miscellaneous recovery flags - Indicates action (other than those listed above) or reason for no recovery action which pertains to the current recovery processing. These bits must correspond to those in SCDROTHR

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		1...		SCDCCLR	An attempt being made to correct the Hot condition with a clear subchannel
		.1..		SCDCCHOF	Recovery is being bypassed because the channel path was offline when the Hot condition was detected.
		..1.		SCDCCHPI	Counts being decremented because channel path recovery was in progress when the Hot condition was detected. Channel path recovery may eliminate the problem
		...1		SCDCBOXD	Hot I/O recovery not being done because the device was already boxed when IOSRHREC was entered.
		.... 1...		SCDCUCBE	Hot I/O recovery was not done because the UCB could not be found when IOSRHREC was entered.
52	(34)	CHARACTER	4	*	Reserved
56	(38)	CHARACTER	0	SCDEND	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	68	SCDX	SCD storage which is obtain when hot I/O is detected and freed following recovery processing
0	(0)	CHARACTER	4	SCDXID	acronym 'SCDX'
4	(4)	CHARACTER	64	SCDXIRB	IRB from last interrupt
68	(44)	CHARACTER	0	*	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	24	PARMSRB	
0	(0)	ADDRESS	4	PARMUCB	UCB common segment address
4	(4)	ADDRESS	4	PARMSCD	SCD address or 0
8	(8)	CHARACTER	1	PARMRCTP	Type of Hot I/O recovery to be done: 01 = Full recovery. 02 = Clear subchannel only.
9	(9)	CHARACTER	1	PARMFLGS	
		1...		PARMRSCH	Recovery running as a result of an FRR reschedule
		.1..		PARMHREC	Schedule done by IOSRHREC
		..1.		PARMPIN	Pin token is valid
		...1 1111		*	Reserved
10	(A)	CHARACTER	2	*	Reserved
12	(C)	CHARACTER	8	PARMPTOK	Pin token
20	(14)	CHARACTER	0	*	Parm end

SCD Constants

Len	Type	Value	Name	Description
		Comment		
		constants for PARMRCTP		
		End of Comment		
1	DECIMAL	1	FULL	Full Hot I/O recovery to be done
1	DECIMAL	2	CLEAR	Clear subchannel recovery only
4	CHARACTER	SCDB	SCDBNAME	SCD block acronym
4	CHARACTER	SCD	SCDNAME	SCD element acronym
4	CHARACTER	SCDX	SCDXNAME	SCD extension acronym
1	DECIMAL	4	SCDB#SCD	Number of SCDs per SCD block

SCD Cross Reference

Name	Hex Offset	Hex Value
PARMFLGS	9	
PARMHREC	9	40
PARMPIN	9	20
PARMPTOK	C	
PARMRCTP	8	
PARMRSCH	9	80
PARMSCD	4	
PARMSRB	0	
PARMUCB	0	
SCD	0	
SCDASSC	7	80
SCDBDVGP	4	
SCDBEND	F0	
SCDBID	0	
SCDBLOCK	0	
SCDBNEXT	8	
SCDBPREV	C	
SCDBSCD	10	
SCDCBOXD	33	10
SCDCCHOF	33	40
SCDCCHPI	33	20
SCDCCLR	33	80
SCDCHP	6	
SCDCOTHR	33	
SCDCUCBE	33	08
SCDDET	8	
SCDDEV#	4	
SCDDIFPT	10	
SCDDPATD	10	20
SCDDPICC	10	80
SCDDPOTH	10	10
SCDDPUC	10	40
SCDEND	38	
SCDGCNT	16	
SCDGINDX	11	
SCDGLPUM	12	
SCDGPTHS	11	
SCDHDTM	8	
SCDHNEXT	20	
SCDHOT	20	
SCDID	0	
SCDINDHI	32	01
SCDINUSE	7	
SCDRACTN	2A	
SCDRBOXD	32	10
SCDRCHOF	32	40
SCDRCHPI	32	20
SCDRCLR	32	80
SCDRDEVN	2B	
SCDRDFLT	28	80
SCDRECV	28	
SCDRINFO	28	
SCDRMSG	29	
SCDROPER	28	40
SCDROTHR	32	
SCDRSCHC	7	20
SCDRSCHF	7	10
SCDRUCBE	32	08
SCDR110	29	80
SCDR111	29	40
SCDR112	29	20
SCDSLIHW	7	40
SCDTCNT	1E	
SCDTM1	8	
SCDTM2	C	
SCDX	0	
SCDXID	0	
SCDXIRB	4	
SCDXPTR	24	

SCE Heading Information

Common Name: Slip Control Element
Macro ID: IHASCE
DSECT Name: SCE
Owning Component: SLIP (SCSLP)
Eye-Catcher ID: SCE
Offset: 0
Length: 4
Storage Attributes: Subpool: 239
Key: 0
Residency: ANY
Size: 96 bytes
Created by: IEECB909 when creating a SLIP trap.
Pointed to by: SHDRFWD field of the SHDR data area
SHDRBKWD field of the SHDR data area
SHDRFWD2 field of the SHDR data area
SHDRBWD2 field of the SHDR data area
SCEFWD field of the SCE data area
SCEBKWD field of the SCE data area
SCEIDQF field of the SCE data area
SCEIDQB field of the SCE data area
Serialization: Compare & Swap / Compare Double & Swap
on the following
fields: SHDRSEQ, SHDRCTR, SCECTR
Function: The SCE, with the variable area
(see IHASCVA), is the internal representation of the
SLIP operator command. SCE's are matched against system
conditions in order to determine SLIP trap
qualification.
The most recently set trap (SCE) is matched first.

SCE Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	120	SCE	
0	(0)	CHARACTER	4	SCECBID	CONTROL BLOCK ID = SCE
4	(4)	ADDRESS	4	SCESCVA	PTR TO THE SCVA
8	(8)	CHARACTER	8	SCECTRFW	TO DELETE ENTRY,MUST CDS
8	(8)	ADDRESS	4	SCECTR	PROCESSOR SERIALIZATION CTR
12	(C)	ADDRESS	4	SCEFWD	FORWARD SCE CHAIN PRT
16	(10)	ADDRESS	4	SCEBKWD	BACKWARD SCE CHAIN PTR
20	(14)	CHARACTER	4	SCEFLGCS	LABEL TO CS FLAGS
20	(14)	BITSTRING	1	SCEFLG1	FLAGS
		1...		SCEDSABL	OFF=ENABLED,ON=DISABLED
		.1..		SCEDELP	DELETE IS PENDG ON PREV SCE
		..1.		SCEMATCH	TRAP HAS MATCHED AT LEAST ONCE SINCE ENABLED
		...1		SCETSO	OFF=CONSOLE ORIGN, ON=TSO ORIGIN
		.... 1...		SCEDEBUG	DEBUG SPEC
		.... .1..		SCEMHME	MODE=HOME SPEC
		.... ..1.		SCESTFP	STRACE, FAST PATH
		1		SCESASA	SYMBOLIC ASID SA
21	(15)	BITSTRING	1	SCEFLG2	FLAGS
		1...		SCERBERR	RBLEVEL=ERROR
		.1..		SCERBPRE	RBLEVEL=PREVIOUS

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		..1.		SCERBNSV	RBLEVEL=NOTSVRB
		...1		SCEDPARM	DUMP PARMS SPEC
		.... 1...		SCELIST	LIST PARM SPEC
		.... .1..		SCETRDAT	TRDATA PARM SPEC
		.... ..1.		SCEDATA	DATA PARM SPEC
		1		SCEMLIM	MATCHLIM PARM SPEC
22	(16)	BITSTRING	1	SCEFLG3	RESERVED
23	(17)	BITSTRING	1	SCEPFLG	PER FLAGS
		1...		SCEPERSB	SUCCESSFUL BRANCH
		.1..		SCEPERIF	INSTRUCTION FETCH
		..1.		SCEPERSA	STORAGE ALTERATION
		...1		SCEPER	PER TYPE TRAP
		.... 1...		SCEPERSS	SA STURA
		.... .1..		SCEPERS2	PER 2 SB
		.... ..1.		SCE742S	MSG IEE742I SENT
		1		SCEM413S	IEA413I MSG SENT (SET ONLY FOR PER TRAPS)
24	(18)	BITSTRING	4	SCEAFLG	ACTION FLAGS
24	(18)	BITSTRING	1	SCEAFLG1	ACTION FLAGS
		1...		SCESVCD	ACTION IS SVC DUMP
		.1..		SCEWAIT	ACTION IS WAIT
		..1.		SCEIGNOR	ACTION IS IGNORE
		...1		SCENODMP	ACTION IS NODUMP
		.... 1...		SCETRACE	ACTION IS TRACE
		.... .1..		SCETRDMP	ACTION IS TRDUMP
		.... ..1.		SCESTRCE	ACTION IS STRACE WHICH IS MUTUALLY EXCLUSIVE WITH ALL OTHER ACTIONS
		1		SCESTDMP	ACTION IS STDUMP WHICH IS MUTUALLY EXCLUSIVE WITH ALL OTHER ACTIONS
25	(19)	BITSTRING	1	SCEAFLG2	ACTION FLAGS
		1...		SCENOSVD	ACTION IS NOSVCD
		.1..		SCENOSYA	ACTION IS NOSYSA
		..1.		SCENOSYM	ACTION IS NOSYSM
		...1		SCENOSYU	ACTION IS NOSYSU
		.... 1...		SCERCOVR	ACTION IS RECOVERY
		.... .1..		SCENOSUP	ACTION IS NOSUP
		.... ..1.		SCERECRD	ACTION IS RECORD
		1		SCESYNCD	ACTION IS SYNCH SVCD
26	(1A)	BITSTRING	1	SCEAFLG3	Action flags 3
		1...		SCEATARGETID	Activate target trap
		.1..		SCEAREFBEFOR	Refresh before other action
		..1.		SCEAREFAFTER	Refresh after other action
		...1		SCEASTOPGTF	Stop gtf
		 1111		*	Unused
27	(1B)	BITSTRING	1	SCEAFLG4	Action flags 4
28	(1C)	BITSTRING	1	*	
		1...		SCESASELECT	SA SELECTION
		.1..		SCEREMOTE	Remote specified
		..1.		SCEREMOTECOND	Remote/Cond
		...1		SCEOK	Ok was specified
		.... 1...		SCELPAMOD	LPAMOD was specified
		.... .1..		SCELPAEP	LPAEP was specified
		.... ..1.		SCEMSGID	MSGID was specified
		1		*	Unused
29	(1D)	BITSTRING	1	*	This byte is serialized by ShdrSeq
		1...		SCESEEN	Sce was scanned
		.1..		SCESASELECTINEFFECT	ASTE bits have been set for all of the spaces specified in the trap
		..11 1111		*	Unused
30	(1E)	CHARACTER	2	*	Unused
32	(20)	CHARACTER	4	SCEID	TRAP IDENTIFIER
36	(24)	CHARACTER	4	SCEMSG	MESSAGE IND
36	(24)	BITSTRING	1	SCEMFLGS	MESSAGE FLAGS

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		1...		SCEM411M	411 MATCHLIM MSG
		.1..		SCEM411P	411 PRCNTLIM MSG
		..1.		SCEM742	IEE742I MSG FLAG
		...1		SCEMDELY	NO MSG, JUST PAUSE
		.... 1...		SCEM413	IEA413I MSG FLAG
		.... .1..		SCEM743	IEE743I MSG FLAG
		.... ..1.		SCEM424	IEA424I MSG FLAG
		1		SCEM425	IEA425I MSG FLAG
37	(25)	ADDRESS	1	SCEM992	IEA992I MSG CTR
38	(26)	UNSIGNED	2	SCEM412	IEA412I MSG CTR
40	(28)	CHARACTER	8	SCETSOU	TSO USER ID
48	(30)	CHARACTER	8	SCEIDQE	-> SCE'S
48	(30)	ADDRESS	4	SCEIDQF	FORWARD POINTER
52	(34)	ADDRESS	4	SCEIDQB	BACKWARD POINTER
56	(38)	BITSTRING	3	SCEMSG2	MORE MESSAGES
		1...		SCEM426	MESSAGE IEA426I
		.1..		SCEM039	MESSAGE IEA039I
		..1.		SCEM406ADDRESSSPACEINACTIVE1	Issue msg406 with reason address space inactive for 1st range parm
		...1		SCEM406ADDRESSSPACEINACTIVE2	Issue msg406 with reason address space inactive for 2nd range parm
		.... 1...		SCEM406RANGENOTDETERMINED1	Issue msg406 with reason address space inactive for 1st range parm
		.... .1..		SCEM406RANGENOTDETERMINED2	Issue msg406 with reason address space inactive for 2nd range parm
		.... ..1.		SCEM406PVTMODPROBLEM	Could not resolve pvtmod range
		1		SCEM406COULDNOTSETPERRANGE	Issue msg 406 with reason unable to set per range
57	(39)	1...		SCEM727	Trap was enabled dynamically
		.1..		SCEM405REFBEFOR	Must issue msg IEE405I for RefBefor keyword
		..1.		SCEM405REFAFTER	Must issue msg IEE405I for RefAfter keyword
59	(3B)	BITSTRING	1	SCEACTIONIND	Other flags requiring CS when set
		1...		SCEPENDINGDISABLED	Indicates that the SCE is to be disabled by the command processor
		.111 1111		*	Unused
60	(3C)	CHARACTER	4	SCECONSID	CONSOLE ID FOR WTO
60	(3C)	CHARACTER	2	SCEORIGN	ORIGINATOR OF TRAP
60	(3C)	CHARACTER	2	SCEASID	TSO TERMINALS ASID
64	(40)	CHARACTER	8	SCECART	CART FOR WTO
72	(48)	ADDRESS	4	SCESTRLISTPTR	Pointer to the STRLIST options specified for the local system
76	(4C)	CHARACTER	16	SCEIDGROUP	Id group
92	(5C)	CHARACTER	4	SCETARGETID	Target id for PER traps only
96	(60)	CHARACTER	12	SCEMSG992INFO	Jobname/Asid info for msgs IEA992I/IEA989I
96	(60)	CHARACTER	4	SCEMSG992INFOLOCKWORD	Lockword for msg IEA992I
96	(60)	CHARACTER	2	SCEMSG992INFOASID	Asid of space where trap matched
98	(62)	CHARACTER	1	*	Reserved
99	(63)	UNSIGNED	1	SCEMSG992INFOLOCK	Lock field
100	(64)	CHARACTER	8	SCEMSG992INFOJOBNAME	Jobname of unit of work that matched
108	(6C)	CHARACTER	4	SCEMSG412INFO	Return/reason code pair for msg IEA412I

SCE Constants

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
108	(6C)	CHARACTER	2	*	Reserved
110	(6E)	CHARACTER	1	SCEMSG412INFOREASONCODE	Reason code
111	(6F)	CHARACTER	1	SCEMSG412INFORETURNCODE	Return code
112	(70)	CHARACTER	8	*	Reserved
120	(78)	CHARACTER	0	*	Reserved

SCE Constants

Len	Type	Value	Name	Description
		Comment		
		The following fields are used to serialize the SceMsg992Info area.		
		End of Comment		
4	HEX	000000FF	SCEMSG992INFOLOCKMASK	Used for masking the lockword and obtaining the value of the lock
4	DECIMAL	2	SCEMSG992INFOVALUESET	Jobname/Asid has been inserted into Sce
4	DECIMAL	1	SCEMSG992INFOINUSE	Jobname/Asid is being inserted into Sce
4	DECIMAL	0	SCEMSG992INFOAVAILABLE	Jobname/Asid fields in Sce may be set with new values
		Comment		
		THE FOLLOWING ARE CONSTANTS THAT SHOULD BE USED WHEN SETTING BITS IN THE SCE VIA THE CS INSTRUCTION. THE BIT WHICH EACH OF THE FOLLOWING MASKS SETS IS GIVEN IN THE COMMENT ON THAT LINE. THE SCEX.... FORM IS FOR SETTING THE BIT ON AND THE SCEY.... FORM IS FOR SETTING THE BIT OFF.		
		End of Comment		
4	HEX	80000000	SCEXDSBL	SCEDSABL
4	HEX	40000000	SCEXDELP	SCEDELP
4	HEX	BFFFFFFF	SCEYDELP	SCEDELP
4	HEX	20000000	SCEXMTCH	SCEMATCH
4	HEX	80000000	SCEX411M	SCEM411M
4	HEX	7FFFFFFF	SCEY411M	SCEM411M
4	HEX	40000000	SCEX411P	SCEM411P
4	HEX	BFFFFFFF	SCEY411P	SCEM411P
4	HEX	20000000	SCEX742	SCEM742
4	HEX	DFFFFFFF	SCEY742	SCEM742
4	HEX	10000000	SCEXDELY	SCEMDELY
4	HEX	EFFFFFFF	SCEYDELY	SCEMDELY
4	HEX	08000000	SCEX413	SCEM413
4	HEX	F7FFFFFF	SCEY413	SCEM413
4	HEX	04000000	SCEX743	SCEM743
4	HEX	FBFFFFFF	SCEY743	SCEM743
4	HEX	02000000	SCEX424	SCEM424
4	HEX	FDFFFFFF	SCEY424	SCEM424
4	HEX	01000000	SCEX425	SCEM425
4	HEX	FEFFFFFF	SCEY425	SCEM425
4	NUMB HEX	7FFFFBAD	KUBSVSA	Used to prevent UBS msg

SCE Cross Reference

Name	Hex Offset	Hex Value
SCE	0	
SCEACTIONIND	3B	
SCEAFLG	18	
SCEAFLG1	18	
SCEAFLG2	19	
SCEAFLG3	1A	
SCEAFLG4	1B	
SCEAREFAFTER	1A	20
SCEAREFBEFOR	1A	40
SCEASID	3C	
SCEASTOPGTF	1A	10
SCEATARGETID	1A	80
SCEBKWD	10	
SCECART	40	
SCECBID	0	
SCECONSID	3C	
SCECTR	8	
SCECTRFW	8	
SCEDATA	15	02
SCEDEBUG	14	08
SCEDELP	14	40
SCEDPARM	15	10
SCEDSABL	14	80
SCEFLGCS	14	
SCEFLG1	14	
SCEFLG2	15	
SCEFLG3	16	
SCEFWD	C	
SCEID	20	
SCEIDGROUP	4C	
SCEIDQB	34	
SCEIDQE	30	
SCEIDQF	30	
SCEIGNOR	18	20
SCELIST	15	08
SCELPAEP	1C	04
SCELPAMOD	1C	08
SCEMATCH	14	20
SCEMDELY	24	10
SCEMFLGS	24	
SCEMHME	14	04
SCEMLIM	15	01
SCEMSG	24	
SCEMSGID	1C	02
SCEMSG2	38	
SCEMSG412INFO	6C	
SCEMSG412INFOREASONCODE	6E	
SCEMSG412INFORETURNCODE	6F	
SCEMSG992INFO	60	
SCEMSG992INFOASID	60	
SCEMSG992INFOJOBNAME	64	
SCEMSG992INFOLOCK	63	
SCEMSG992INFOLOCKWORD	60	
SCEM039	38	40
SCEM405REFAFTER	39	20
SCEM405REFBEFOR	39	40
SCEM406ADDRESSSPACEINACTIVE1	38	20
SCEM406ADDRESSSPACEINACTIVE2	38	10
SCEM406COULDNOTSETPERRANGE	38	01
SCEM406PVTMODPROBLEM	38	02
SCEM406RANGENOTDETERMINED1	38	08
SCEM406RANGENOTDETERMINED2	38	04
SCEM411M	24	80
SCEM411P	24	40
SCEM412	26	
SCEM413	24	08
SCEM413S	17	01
SCEM424	24	02
SCEM425	24	01
SCEM426	38	80
SCEM727	39	80
SCEM742	24	20
SCEM743	24	04
SCEM992	25	
SCENODMP	18	10
SCENOSUP	19	04
SCENOSVD	19	80
SCENOSYA	19	40
SCENOSYM	19	20
SCENOSYU	19	10
SCEOK	1C	10
SCEORIGN	3C	
SCEPENDINGDISABLED	3B	80
SCEPER	17	10
SCEPERIF	17	40
SCEPERSA	17	20
SCEPERSB	17	80
SCEPERSS	17	08
SCEPERS2	17	04
SCEPFLG	17	
SCERBERR	15	80
SCERBNSV	15	20
SCERBPRE	15	40
SCERCOVR	19	08
SCERECRD	19	02
SCEREMOTE	1C	40
SCEREMOTECOND	1C	20
SCESASA	14	01
SCESASELECT	1C	80
SCESASELECTINEFFECT	1D	40
SCESCVA	4	
SCESEEN	1D	80
SCESTDMP	18	01
SCESTFP	14	02
SCESTRCE	18	02
SCESTRLISTPTR	48	

SCE Cross Reference

Name	Hex Offset	Hex Value
SCESVCD	18	80
SCESYNCD	19	01
SCETARGETID	5C	
SCETRACE	18	08
SCETRDAT	15	04
SCETRDMP	18	04
SCETSO	14	10
SCETSOU	28	
SCEWAIT	18	40
SCE742S	17	02

SCFS Heading Information

Common Name: SUPERVISOR CONTROL FLIH SAVEAREA
Macro ID: IHASCFS
DSECT Name: SCFS
Owning Component: SUPERVISOR CONTROL (SC1C5)
Eye-Catcher ID: SCFS
Offset: 0
Length: 4
Storage Attributes: Subpool: 239 (FETCH-PROTECTED)
Key: 0
Size: 824 BYTES
Created by: NIP AND RECONFIGURATION
Pointed to by: PSASCFS
WSACSCFS
Serialization: DISABLEMENT
Function: CONTAINS STATUS INFORMATION SAVED BY THE EXTERNAL FLIH AND THE I/O FLIH.

SCFS Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SCFS	
0	(0)	CHARACTER	4	SCFSSCFS	SCFS ACRONYM.
				Comment	
				I/O FLIH GENERAL REGISTER SAVEAREA 1	
				End of Comment	
4	(4)	BITSTRING	64	SCFSIGR1 (0)	I/O FLIH GENERAL REGISTER SAVEAREA 1.
4	(4)	SIGNED	4	SCFSI1G0	GENERAL REGISTER 0
8	(8)	SIGNED	4	SCFSI1G1	GENERAL REGISTER 1
12	(C)	SIGNED	4	SCFSI1G2	GENERAL REGISTER 2
16	(10)	SIGNED	4	SCFSI1G3	GENERAL REGISTER 3
20	(14)	SIGNED	4	SCFSI1G4	GENERAL REGISTER 4
24	(18)	SIGNED	4	SCFSI1G5	GENERAL REGISTER 5
28	(1C)	SIGNED	4	SCFSI1G6	GENERAL REGISTER 6
32	(20)	SIGNED	4	SCFSI1G7	GENERAL REGISTER 7
36	(24)	SIGNED	4	SCFSI1G8	GENERAL REGISTER 8
40	(28)	SIGNED	4	SCFSI1G9	GENERAL REGISTER 9
44	(2C)	SIGNED	4	SCFSI1GA	GENERAL REGISTER 10
48	(30)	SIGNED	4	SCFSI1GB	GENERAL REGISTER 11
52	(34)	SIGNED	4	SCFSI1GC	GENERAL REGISTER 12
56	(38)	SIGNED	4	SCFSI1GD	GENERAL REGISTER 13
60	(3C)	SIGNED	4	SCFSI1GE	GENERAL REGISTER 14
64	(40)	SIGNED	4	SCFSI1GF	GENERAL REGISTER 15
				Comment	
				I/O FLIH ACCESS REGISTER SAVEAREA 1	
				End of Comment	
68	(44)	BITSTRING	64	SCFSIAR1 (0)	I/O FLIH ACCESS REGISTER SAVEAREA 1.
68	(44)	SIGNED	4	SCFSI1A0	ACCESS REGISTER 0
72	(48)	SIGNED	4	SCFSI1A1	ACCESS REGISTER 1
76	(4C)	SIGNED	4	SCFSI1A2	ACCESS REGISTER 2
80	(50)	SIGNED	4	SCFSI1A3	ACCESS REGISTER 3
84	(54)	SIGNED	4	SCFSI1A4	ACCESS REGISTER 4

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
88	(58)	SIGNED	4	SCFSI1A5	ACCESS REGISTER 5
92	(5C)	SIGNED	4	SCFSI1A6	ACCESS REGISTER 6
96	(60)	SIGNED	4	SCFSI1A7	ACCESS REGISTER 7
100	(64)	SIGNED	4	SCFSI1A8	ACCESS REGISTER 8
104	(68)	SIGNED	4	SCFSI1A9	ACCESS REGISTER 9
108	(6C)	SIGNED	4	SCFSI1AA	ACCESS REGISTER 10
112	(70)	SIGNED	4	SCFSI1AB	ACCESS REGISTER 11
116	(74)	SIGNED	4	SCFSI1AC	ACCESS REGISTER 12
120	(78)	SIGNED	4	SCFSI1AD	ACCESS REGISTER 13
124	(7C)	SIGNED	4	SCFSI1AE	ACCESS REGISTER 14
128	(80)	SIGNED	4	SCFSI1AF	ACCESS REGISTER 15
		Comment			
		I/O FLIH CONTROL REGISTER SAVEAREA 1			
		End of Comment			
132	(84)	BITSTRING	64	SCFSICR1 (0)	I/O FLIH CONTROL REGISTER SAVEAREA 1.
132	(84)	SIGNED	4	SCFSI1C0	CONTROL REGISTER 0
136	(88)	SIGNED	4	SCFSI1C1	CONTROL REGISTER 1
140	(8C)	SIGNED	4	SCFSI1C2	CONTROL REGISTER 2
144	(90)	CHARACTER	8	SCFSIXM1 (0)	CROSS MEMORY CONTROL REGISTER SAVEAREA
144	(90)	SIGNED	4	SCFSI1C3 (0)	CONTROL REGISTER 3
144	(90)	SIGNED	2	SCFSIO1K	PROGRAM KEY MASK
146	(92)	SIGNED	2	SCFSIO1S	SASN
148	(94)	SIGNED	4	SCFSI1C4 (0)	CONTROL REGISTER 4
148	(94)	SIGNED	2	SCFSIO1A	AX
150	(96)	SIGNED	2	SCFSIO1P	PASN
152	(98)	SIGNED	4	SCFSI1C5	CONTROL REGISTER 5
156	(9C)	SIGNED	4	SCFSI1C6	CONTROL REGISTER 6
160	(A0)	SIGNED	4	SCFSI1C7	CONTROL REGISTER 7
164	(A4)	SIGNED	4	SCFSI1C8 (0)	CONTROL REGISTER 8
164	(A4)	SIGNED	2	SCFSIEAX	EAX VALUE
166	(A6)	SIGNED	2		
168	(A8)	SIGNED	4	SCFSI1C9	CONTROL REGISTER 9
172	(AC)	SIGNED	4	SCFSI1CA	CONTROL REGISTER 10
176	(B0)	SIGNED	4	SCFSI1CB	CONTROL REGISTER 11
180	(B4)	SIGNED	4	SCFSI1CC	CONTROL REGISTER 12
184	(B8)	SIGNED	4	SCFSI1CD	CONTROL REGISTER 13
188	(BC)	SIGNED	4	SCFSI1CE	CONTROL REGISTER 14
192	(C0)	SIGNED	4	SCFSI1CF	CONTROL REGISTER 15
196	(C4)	BITSTRING	1	SCFSIOFL	I/O FLIH FLAGS
		1...		SCFSIOSA	"X'80'" SUBSPACE ACTIVE AT TIME OF INTERRUPT
197	(C5)	BITSTRING	1	SCFSR0C5	RESERVED
198	(C6)	SIGNED	2	SCFSXNTC	EXTERNAL FLIH INTERRUPT CODE SAVE AREA.
200	(C8)	BITSTRING	8	SCFSXPS1	EXTERNAL FLIH PSW SAVEAREA 1.
		Comment			
		EXTERNAL FLIH GENERAL REGISTER SAVEAREA 1			
		End of Comment			
208	(D0)	BITSTRING	64	SCFSXGR1 (0)	EXTERNAL FLIH GENERAL REGISTER SAVEAREA 1.
208	(D0)	SIGNED	4	SCFSX1G0	GENERAL REGISTER 0
212	(D4)	SIGNED	4	SCFSX1G1	GENERAL REGISTER 1
216	(D8)	SIGNED	4	SCFSX1G2	GENERAL REGISTER 2
220	(DC)	SIGNED	4	SCFSX1G3	GENERAL REGISTER 3
224	(E0)	SIGNED	4	SCFSX1G4	GENERAL REGISTER 4
228	(E4)	SIGNED	4	SCFSX1G5	GENERAL REGISTER 5
232	(E8)	SIGNED	4	SCFSX1G6	GENERAL REGISTER 6
236	(EC)	SIGNED	4	SCFSX1G7	GENERAL REGISTER 7
240	(F0)	SIGNED	4	SCFSX1G8	GENERAL REGISTER 8
244	(F4)	SIGNED	4	SCFSX1G9	GENERAL REGISTER 9
248	(F8)	SIGNED	4	SCFSX1GA	GENERAL REGISTER 10

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
252	(FC)	SIGNED	4	SCFSX1GB	GENERAL REGISTER 11
256	(100)	SIGNED	4	SCFSX1GC	GENERAL REGISTER 12
260	(104)	SIGNED	4	SCFSX1GD	GENERAL REGISTER 13
264	(108)	SIGNED	4	SCFSX1GE	GENERAL REGISTER 14
268	(10C)	SIGNED	4	SCFSX1GF	GENERAL REGISTER 15
				Comment	
				EXTERNAL FLIH ACCESS REGISTER SAVEAREA 1	
				End of Comment	
272	(110)	BITSTRING	64	SCFSXAR1 (0)	EXTERNAL FLIH ACCESS REGISTER SAVEAREA 1.
272	(110)	SIGNED	4	SCFSX1A0	ACCESS REGISTER 0
276	(114)	SIGNED	4	SCFSX1A1	ACCESS REGISTER 1
280	(118)	SIGNED	4	SCFSX1A2	ACCESS REGISTER 2
284	(11C)	SIGNED	4	SCFSX1A3	ACCESS REGISTER 3
288	(120)	SIGNED	4	SCFSX1A4	ACCESS REGISTER 4
292	(124)	SIGNED	4	SCFSX1A5	ACCESS REGISTER 5
296	(128)	SIGNED	4	SCFSX1A6	ACCESS REGISTER 6
300	(12C)	SIGNED	4	SCFSX1A7	ACCESS REGISTER 7
304	(130)	SIGNED	4	SCFSX1A8	ACCESS REGISTER 8
308	(134)	SIGNED	4	SCFSX1A9	ACCESS REGISTER 9
312	(138)	SIGNED	4	SCFSX1AA	ACCESS REGISTER 10
316	(13C)	SIGNED	4	SCFSX1AB	ACCESS REGISTER 11
320	(140)	SIGNED	4	SCFSX1AC	ACCESS REGISTER 12
324	(144)	SIGNED	4	SCFSX1AD	ACCESS REGISTER 13
328	(148)	SIGNED	4	SCFSX1AE	ACCESS REGISTER 14
332	(14C)	SIGNED	4	SCFSX1AF	ACCESS REGISTER 15
336	(150)	SIGNED	4	SCFSR150	RESERVED-XMEM REGS MUST BE ON DWORD BDY
				Comment	
				EXTERNAL FLIH CONTROL REGISTER SAVEAREA 1	
				End of Comment	
340	(154)	BITSTRING	64	SCFSXCR1 (0)	EXTERNAL FLIH CONTROL REGISTER SAVEAREA 1.
340	(154)	SIGNED	4	SCFSX1C0	CONTROL REGISTER 0
344	(158)	SIGNED	4	SCFSX1C1	CONTROL REGISTER 1
348	(15C)	SIGNED	4	SCFSX1C2	CONTROL REGISTER 2
352	(160)	CHARACTER	8	SCFSXXM1 (0)	CROSS MEMORY CONTROL REGISTER SAVEAREA1
352	(160)	SIGNED	4	SCFSX1C3 (0)	CONTROL REGISTER 3
352	(160)	SIGNED	2	SCFSX1PK	PROGRAM KEY MASK
354	(162)	SIGNED	2	SCFSX1SS	SASN
356	(164)	SIGNED	4	SCFSX1C4 (0)	CONTROL REGISTER 4
356	(164)	SIGNED	2	SCFSX1AX	AX
358	(166)	SIGNED	2	SCFSX1PS	PASN
360	(168)	SIGNED	4	SCFSX1C5	CONTROL REGISTER 5
364	(16C)	SIGNED	4	SCFSX1C6	CONTROL REGISTER 6
368	(170)	SIGNED	4	SCFSX1C7	CONTROL REGISTER 7
372	(174)	SIGNED	4	SCFSX1C8 (0)	CONTROL REGISTER 8
372	(174)	SIGNED	2	SCFS1EAX	EAX VALUE
374	(176)	SIGNED	2		
376	(178)	SIGNED	4	SCFSX1C9	CONTROL REGISTER 9
380	(17C)	SIGNED	4	SCFSX1CA	CONTROL REGISTER 10
384	(180)	SIGNED	4	SCFSX1CB	CONTROL REGISTER 11
388	(184)	SIGNED	4	SCFSX1CC	CONTROL REGISTER 12
392	(188)	SIGNED	4	SCFSX1CD	CONTROL REGISTER 13
396	(18C)	SIGNED	4	SCFSX1CE	CONTROL REGISTER 14
400	(190)	SIGNED	4	SCFSX1CF	CONTROL REGISTER 15
404	(194)	SIGNED	4	SCFSR194	RESERVED.
408	(198)	BITSTRING	8	SCFSXPS2	EXTERNAL FLIH PSW SAVEAREA 2.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
				EXTERNAL FLIH GENERAL REGISTER SAVEAREA 2	
				End of Comment	
416	(1A0)	BITSTRING	64	SCFSXGR2 (0)	EXTERNAL FLIH GENERAL REGISTER SAVEAREA 2.
416	(1A0)	SIGNED	4	SCFSX2G0	GENERAL REGISTER 0
420	(1A4)	SIGNED	4	SCFSX2G1	GENERAL REGISTER 1
424	(1A8)	SIGNED	4	SCFSX2G2	GENERAL REGISTER 2
428	(1AC)	SIGNED	4	SCFSX2G3	GENERAL REGISTER 3
432	(1B0)	SIGNED	4	SCFSX2G4	GENERAL REGISTER 4
436	(1B4)	SIGNED	4	SCFSX2G5	GENERAL REGISTER 5
440	(1B8)	SIGNED	4	SCFSX2G6	GENERAL REGISTER 6
444	(1BC)	SIGNED	4	SCFSX2G7	GENERAL REGISTER 7
448	(1C0)	SIGNED	4	SCFSX2G8	GENERAL REGISTER 8
452	(1C4)	SIGNED	4	SCFSX2G9	GENERAL REGISTER 9
456	(1C8)	SIGNED	4	SCFSX2GA	GENERAL REGISTER 10
460	(1CC)	SIGNED	4	SCFSX2GB	GENERAL REGISTER 11
464	(1D0)	SIGNED	4	SCFSX2GC	GENERAL REGISTER 12
468	(1D4)	SIGNED	4	SCFSX2GD	GENERAL REGISTER 13
472	(1D8)	SIGNED	4	SCFSX2GE	GENERAL REGISTER 14
476	(1DC)	SIGNED	4	SCFSX2GF	GENERAL REGISTER 15
				Comment	
				EXTERNAL FLIH ACCESS REGISTER SAVEAREA 2	
				End of Comment	
480	(1E0)	BITSTRING	64	SCFSXAR2 (0)	EXTERNAL FLIH ACCESS REGISTER SAVEAREA 2.
480	(1E0)	SIGNED	4	SCFSX2A0	ACCESS REGISTER 0
484	(1E4)	SIGNED	4	SCFSX2A1	ACCESS REGISTER 1
488	(1E8)	SIGNED	4	SCFSX2A2	ACCESS REGISTER 2
492	(1EC)	SIGNED	4	SCFSX2A3	ACCESS REGISTER 3
496	(1F0)	SIGNED	4	SCFSX2A4	ACCESS REGISTER 4
500	(1F4)	SIGNED	4	SCFSX2A5	ACCESS REGISTER 5
504	(1F8)	SIGNED	4	SCFSX2A6	ACCESS REGISTER 6
508	(1FC)	SIGNED	4	SCFSX2A7	ACCESS REGISTER 7
512	(200)	SIGNED	4	SCFSX2A8	ACCESS REGISTER 8
516	(204)	SIGNED	4	SCFSX2A9	ACCESS REGISTER 9
520	(208)	SIGNED	4	SCFSX2AA	ACCESS REGISTER 10
524	(20C)	SIGNED	4	SCFSX2AB	ACCESS REGISTER 11
528	(210)	SIGNED	4	SCFSX2AC	ACCESS REGISTER 12
532	(214)	SIGNED	4	SCFSX2AD	ACCESS REGISTER 13
536	(218)	SIGNED	4	SCFSX2AE	ACCESS REGISTER 14
540	(21C)	SIGNED	4	SCFSX2AF	ACCESS REGISTER 15
544	(220)	SIGNED	4	SCFSR220	RESERVED-XMEM REGS MUST BE ON DWORD BDY
				Comment	
				EXTERNAL FLIH CONTROL REGISTER SAVEAREA 2	
				End of Comment	
548	(224)	BITSTRING	64	SCFSXCR2 (0)	EXTERNAL FLIH CONTROL REGISTER SAVEAREA 2.
548	(224)	SIGNED	4	SCFSX2C0	CONTROL REGISTER 0
552	(228)	SIGNED	4	SCFSX2C1	CONTROL REGISTER 1
556	(22C)	SIGNED	4	SCFSX2C2	CONTROL REGISTER 2
560	(230)	CHARACTER	8	SCFSXXM2 (0)	CROSS MEMORY CONTROL REGISTER SAVEAREA2
560	(230)	SIGNED	4	SCFSX2C3 (0)	CONTROL REGISTER 3
560	(230)	SIGNED	2	SCFSX2PK	PROGRAM KEY MASK
562	(232)	SIGNED	2	SCFSX2SS	SASN
564	(234)	SIGNED	4	SCFSX2C4 (0)	CONTROL REGISTER 4
564	(234)	SIGNED	2	SCFSX2AX	AX
566	(236)	SIGNED	2	SCFSX2PS	PASN

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
568	(238)	SIGNED	4	SCFSX2C5	CONTROL REGISTER 5
572	(23C)	SIGNED	4	SCFSX2C6	CONTROL REGISTER 6
576	(240)	SIGNED	4	SCFSX2C7	CONTROL REGISTER 7
580	(244)	SIGNED	4	SCFSX2C8 (0)	CONTROL REGISTER 8
580	(244)	SIGNED	2	SCFS2EAX	EAX VALUE
582	(246)	SIGNED	2		
584	(248)	SIGNED	4	SCFSX2C9	CONTROL REGISTER 9
588	(24C)	SIGNED	4	SCFSX2CA	CONTROL REGISTER 10
592	(250)	SIGNED	4	SCFSX2CB	CONTROL REGISTER 11
596	(254)	SIGNED	4	SCFSX2CC	CONTROL REGISTER 12
600	(258)	SIGNED	4	SCFSX2CD	CONTROL REGISTER 13
604	(25C)	SIGNED	4	SCFSX2CE	CONTROL REGISTER 14
608	(260)	SIGNED	4	SCFSX2CF	CONTROL REGISTER 15
612	(264)	SIGNED	4	SCFSR264	RESERVED.
616	(268)	BITSTRING	8	SCFSXPS3	EXTERNAL FLIH PSW SAVEAREA 3.

Comment

EXTERNAL FLIH GENERAL REGISTER SAVEAREA 3

End of Comment

624	(270)	BITSTRING	64	SCFSXGR3 (0)	EXTERNAL FLIH GENERAL REGISTER SAVEAREA 3.
624	(270)	SIGNED	4	SCFSX3G0	GENERAL REGISTER 0
628	(274)	SIGNED	4	SCFSX3G1	GENERAL REGISTER 1
632	(278)	SIGNED	4	SCFSX3G2	GENERAL REGISTER 2
636	(27C)	SIGNED	4	SCFSX3G3	GENERAL REGISTER 3
640	(280)	SIGNED	4	SCFSX3G4	GENERAL REGISTER 4
644	(284)	SIGNED	4	SCFSX3G5	GENERAL REGISTER 5
648	(288)	SIGNED	4	SCFSX3G6	GENERAL REGISTER 6
652	(28C)	SIGNED	4	SCFSX3G7	GENERAL REGISTER 7
656	(290)	SIGNED	4	SCFSX3G8	GENERAL REGISTER 8
660	(294)	SIGNED	4	SCFSX3G9	GENERAL REGISTER 9
664	(298)	SIGNED	4	SCFSX3GA	GENERAL REGISTER 10
668	(29C)	SIGNED	4	SCFSX3GB	GENERAL REGISTER 11
672	(2A0)	SIGNED	4	SCFSX3GC	GENERAL REGISTER 12
676	(2A4)	SIGNED	4	SCFSX3GD	GENERAL REGISTER 13
680	(2A8)	SIGNED	4	SCFSX3GE	GENERAL REGISTER 14
684	(2AC)	SIGNED	4	SCFSX3GF	GENERAL REGISTER 15

Comment

EXTERNAL FLIH ACCESS REGISTER SAVEAREA 3

End of Comment

688	(2B0)	BITSTRING	64	SCFSXAR3 (0)	EXTERNAL FLIH ACCESS REGISTER SAVEAREA 3.
688	(2B0)	SIGNED	4	SCFSX3A0	ACCESS REGISTER 0
692	(2B4)	SIGNED	4	SCFSX3A1	ACCESS REGISTER 1
696	(2B8)	SIGNED	4	SCFSX3A2	ACCESS REGISTER 2
700	(2BC)	SIGNED	4	SCFSX3A3	ACCESS REGISTER 3
704	(2C0)	SIGNED	4	SCFSX3A4	ACCESS REGISTER 4
708	(2C4)	SIGNED	4	SCFSX3A5	ACCESS REGISTER 5
712	(2C8)	SIGNED	4	SCFSX3A6	ACCESS REGISTER 6
716	(2CC)	SIGNED	4	SCFSX3A7	ACCESS REGISTER 7
720	(2D0)	SIGNED	4	SCFSX3A8	ACCESS REGISTER 8
724	(2D4)	SIGNED	4	SCFSX3A9	ACCESS REGISTER 9
728	(2D8)	SIGNED	4	SCFSX3AA	ACCESS REGISTER 10
732	(2DC)	SIGNED	4	SCFSX3AB	ACCESS REGISTER 11
736	(2E0)	SIGNED	4	SCFSX3AC	ACCESS REGISTER 12
740	(2E4)	SIGNED	4	SCFSX3AD	ACCESS REGISTER 13
744	(2E8)	SIGNED	4	SCFSX3AE	ACCESS REGISTER 14
748	(2EC)	SIGNED	4	SCFSX3AF	ACCESS REGISTER 15
752	(2F0)	SIGNED	4	SCFSR2F0	RESERVED-XMEM REGS MUST BE ON DWORD BDY

SCFS Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
Comment					
EXTERNAL FLIH CONTROL REGISTER SAVEAREA 3					
End of Comment					
756	(2F4)	BITSTRING	64	SCFSXCR3 (0)	EXTERNAL FLIH CONTROL REGISTER SAVEAREA 3.
756	(2F4)	SIGNED	4	SCFSX3C0	CONTROL REGISTER 0
760	(2F8)	SIGNED	4	SCFSX3C1	CONTROL REGISTER 1
764	(2FC)	SIGNED	4	SCFSX3C2	CONTROL REGISTER 2
768	(300)	CHARACTER	8	SCFSXXM3 (0)	CROSS MEMORY CONTROL REGISTER SAVEAREA3
768	(300)	SIGNED	4	SCFSX3C3 (0)	CONTROL REGISTER 3
768	(300)	SIGNED	2	SCFSX3PK	PROGRAM KEY MASK
770	(302)	SIGNED	2	SCFSX3SS	SASN
772	(304)	SIGNED	4	SCFSX3C4 (0)	CONTROL REGISTER 4
772	(304)	SIGNED	2	SCFSX3AX	AX
774	(306)	SIGNED	2	SCFSX3PS	PASN
776	(308)	SIGNED	4	SCFSX3C5	CONTROL REGISTER 5
780	(30C)	SIGNED	4	SCFSX3C6	CONTROL REGISTER 6
784	(310)	SIGNED	4	SCFSX3C7	CONTROL REGISTER 7
788	(314)	SIGNED	4	SCFSX3C8 (0)	CONTROL REGISTER 8
788	(314)	SIGNED	2	SCFS3EAX	EAX VALUE
790	(316)	SIGNED	2		
792	(318)	SIGNED	4	SCFSX3C9	CONTROL REGISTER 9
796	(31C)	SIGNED	4	SCFSX3CA	CONTROL REGISTER 10
800	(320)	SIGNED	4	SCFSX3CB	CONTROL REGISTER 11
804	(324)	SIGNED	4	SCFSX3CC	CONTROL REGISTER 12
808	(328)	SIGNED	4	SCFSX3CD	CONTROL REGISTER 13
812	(32C)	SIGNED	4	SCFSX3CE	CONTROL REGISTER 14
816	(330)	SIGNED	4	SCFSX3CF	CONTROL REGISTER 15
820	(334)	SIGNED	4	SCFSR334	RESERVED.
824	(338)	BITSTRING	1	SCFSI641 (64)	I/O FLIH GPR BITS 0-31 SAVEAREA 1
888	(378)	BITSTRING	1	SCFSX641 (64)	EXTERNAL FLIH GPR BITS 0-31 SAVEAREA 1
952	(3B8)	DBL WORD	8	(0)	
952	(3B8)	BITSTRING	1	SCFSXCRG1 (128)	EXTERNAL FLIH CR SAVEAREA 1
1080	(438)	BITSTRING	1	SCFSX642 (64)	EXTERNAL FLIH GPR BITS 0-31 SAVEAREA 2
1144	(478)	BITSTRING	1	SCFSX643 (64)	EXTERNAL FLIH GPR BITS 0-31 SAVEAREA 3
1208	(4B8)	DBL WORD	8	SCFSEND (0)	END OF SCFS.

SCFS Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SCFS	0		SCFSI1A1	48	0
SCFSEND	4B8		SCFSI1A2	4C	0
SCFSIAR1	44		SCFSI1A3	50	0
SCFSICR1	84		SCFSI1A4	54	0
SCFSIEAX	A4	0	SCFSI1A5	58	0
SCFSIGR1	4		SCFSI1A6	5C	0
SCFSIOFL	C4	0	SCFSI1A7	60	0
SCFSIOSA	C4	80	SCFSI1A8	64	0
SCFSIO1A	94	0	SCFSI1A9	68	0
SCFSIO1K	90	0	SCFSI1CA	AC	0
SCFSIO1P	96	0	SCFSI1CB	B0	0
SCFSIO1S	92	0	SCFSI1CC	B4	0
SCFSIXM1	90		SCFSI1CD	B8	0
SCFSI1AA	6C	0	SCFSI1CE	BC	0
SCFSI1AB	70	0	SCFSI1CF	C0	0
SCFSI1AC	74	0	SCFSI1C0	84	0
SCFSI1AD	78	0	SCFSI1C1	88	0
SCFSI1AE	7C	0	SCFSI1C2	8C	0
SCFSI1AF	80	0	SCFSI1C3	90	
SCFSI1A0	44	0	SCFSI1C4	94	

Name	Hex Offset	Hex Value
SCFSI1C5	98	0
SCFSI1C6	9C	0
SCFSI1C7	A0	0
SCFSI1C8	A4	
SCFSI1C9	A8	0
SCFSI1GA	2C	0
SCFSI1GB	30	0
SCFSI1GC	34	0
SCFSI1GD	38	0
SCFSI1GE	3C	0
SCFSI1GF	40	0
SCFSI1G0	4	0
SCFSI1G1	8	0
SCFSI1G2	C	0
SCFSI1G3	10	0
SCFSI1G4	14	0
SCFSI1G5	18	0
SCFSI1G6	1C	0
SCFSI1G7	20	0
SCFSI1G8	24	0
SCFSI1G9	28	0
SCFSI641	338	0
SCFSR0C5	C5	0
SCFSR150	150	0
SCFSR194	194	0
SCFSR2F0	2F0	0
SCFSR220	220	0
SCFSR264	264	0
SCFSR334	334	0
SCFSSCFS	0	E2C3C6E2
SCFSXAR1	110	
SCFSXAR2	1E0	
SCFSXAR3	2B0	
SCFSXCRG1	3B8	0
SCFSXCR1	154	
SCFSXCR2	224	
SCFSXCR3	2F4	
SCFSXGR1	D0	
SCFSXGR2	1A0	
SCFSXGR3	270	
SCFSXNTC	C6	0
SCFSXPS1	C8	0
SCFSXPS2	198	0
SCFSXPS3	268	0
SCFSXXM1	160	
SCFSXXM2	230	
SCFSXXM3	300	
SCFSX1AA	138	0
SCFSX1AB	13C	0
SCFSX1AC	140	0
SCFSX1AD	144	0
SCFSX1AE	148	0
SCFSX1AF	14C	0
SCFSX1AX	164	0
SCFSX1A0	110	0
SCFSX1A1	114	0
SCFSX1A2	118	0
SCFSX1A3	11C	0
SCFSX1A4	120	0
SCFSX1A5	124	0
SCFSX1A6	128	0
SCFSX1A7	12C	0
SCFSX1A8	130	0
SCFSX1A9	134	0
SCFSX1CA	17C	0
SCFSX1CB	180	0
SCFSX1CC	184	0
SCFSX1CD	188	0
SCFSX1CE	18C	0
SCFSX1CF	190	0
SCFSX1C0	154	0
SCFSX1C1	158	0
SCFSX1C2	15C	0
SCFSX1C3	160	
SCFSX1C4	164	
SCFSX1C5	168	0
SCFSX1C6	16C	0
SCFSX1C7	170	0
SCFSX1C8	174	
SCFSX1C9	178	0
SCFSX1GA	F8	0
SCFSX1GB	FC	0
SCFSX1GC	100	0
SCFSX1GD	104	0
SCFSX1GE	108	0
SCFSX1GF	10C	0
SCFSX1G0	D0	0
SCFSX1G1	D4	0
SCFSX1G2	D8	0
SCFSX1G3	DC	0
SCFSX1G4	E0	0
SCFSX1G5	E4	0
SCFSX1G6	E8	0
SCFSX1G7	EC	0
SCFSX1G8	F0	0
SCFSX1G9	F4	0
SCFSX1PK	160	0
SCFSX1PS	166	0
SCFSX1SS	162	0
SCFSX2AA	208	0
SCFSX2AB	20C	0
SCFSX2AC	210	0
SCFSX2AD	214	0
SCFSX2AE	218	0
SCFSX2AF	21C	0
SCFSX2AX	234	0
SCFSX2A0	1E0	0
SCFSX2A1	1E4	0
SCFSX2A2	1E8	0
SCFSX2A3	1EC	0
SCFSX2A4	1F0	0
SCFSX2A5	1F4	0
SCFSX2A6	1F8	0
SCFSX2A7	1FC	0
SCFSX2A8	200	0
SCFSX2A9	204	0
SCFSX2CA	24C	0
SCFSX2CB	250	0
SCFSX2CC	254	0
SCFSX2CD	258	0
SCFSX2CE	25C	0
SCFSX2CF	260	0
SCFSX2C0	224	0
SCFSX2C1	228	0
SCFSX2C2	22C	0
SCFSX2C3	230	
SCFSX2C4	234	
SCFSX2C5	238	0
SCFSX2C6	23C	0
SCFSX2C7	240	0

SCFS Cross Reference

Name	Hex Offset	Hex Value
SCFSX2C8	244	
SCFSX2C9	248	0
SCFSX2GA	1C8	0
SCFSX2GB	1CC	0
SCFSX2GC	1D0	0
SCFSX2GD	1D4	0
SCFSX2GE	1D8	0
SCFSX2GF	1DC	0
SCFSX2G0	1A0	0
SCFSX2G1	1A4	0
SCFSX2G2	1A8	0
SCFSX2G3	1AC	0
SCFSX2G4	1B0	0
SCFSX2G5	1B4	0
SCFSX2G6	1B8	0
SCFSX2G7	1BC	0
SCFSX2G8	1C0	0
SCFSX2G9	1C4	0
SCFSX2PK	230	0
SCFSX2PS	236	0
SCFSX2SS	232	0
SCFSX3AA	2D8	0
SCFSX3AB	2DC	0
SCFSX3AC	2E0	0
SCFSX3AD	2E4	0
SCFSX3AE	2E8	0
SCFSX3AF	2EC	0
SCFSX3AX	304	0
SCFSX3A0	2B0	0
SCFSX3A1	2B4	0
SCFSX3A2	2B8	0
SCFSX3A3	2BC	0
SCFSX3A4	2C0	0
SCFSX3A5	2C4	0
SCFSX3A6	2C8	0
SCFSX3A7	2CC	0
SCFSX3A8	2D0	0
SCFSX3A9	2D4	0
SCFSX3CA	31C	0
SCFSX3CB	320	0
SCFSX3CC	324	0
SCFSX3CD	328	0
SCFSX3CE	32C	0
SCFSX3CF	330	0
SCFSX3C0	2F4	0
SCFSX3C1	2F8	0
SCFSX3C2	2FC	0
SCFSX3C3	300	
SCFSX3C4	304	
SCFSX3C5	308	0
SCFSX3C6	30C	0
SCFSX3C7	310	0
SCFSX3C8	314	
SCFSX3C9	318	0
SCFSX3GA	298	0
SCFSX3GB	29C	0
SCFSX3GC	2A0	0
SCFSX3GD	2A4	0
SCFSX3GE	2A8	0
SCFSX3GF	2AC	0
SCFSX3G0	270	0
SCFSX3G1	274	0
SCFSX3G2	278	0
SCFSX3G3	27C	0
SCFSX3G4	280	0
SCFSX3G5	284	0
SCFSX3G6	288	0
SCFSX3G7	28C	0
SCFSX3G8	290	0
SCFSX3G9	294	0
SCFSX3PK	300	0
SCFSX3PS	306	0
SCFSX3SS	302	0
SCFSX641	378	0
SCFSX642	438	0
SCFSX643	478	0
SCFS1EAX	174	0
SCFS2EAX	244	0
SCFS3EAX	314	0

SCHIB Heading Information

Common Name: Subchannel Information Block
Macro ID: IHASCHIB
DSECT Name: SCHIB
Owning Component: I/O Supervisor (SC1C3)
Eye-Catcher ID: None
Storage Attributes: Subpool: User
Key: 0
Data Space: No
Residency: : 31 bit
Size: 52-bytes
Created by: Issuers of Store Subchannel and Modify Subchannel instructions.
Pointed to by: Register 1 on the issuance of the Store Subchannl or Modify Subchannel instructions
Serialization: UCB Lock
Function: The SCHIB is an operand of the Store Subchannel (STSCH) and the Modify Subchannel (MSCH) instructions. It contains control information for path management and subchannel status.

SCHIB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	52	SCHIB	
0	(0)	CHARACTER	28	SCHPMCW	Path Management Control Word
0	(0)	BITSTRING	4	SCHIP	Interrupt parameter
0	(0)	SIGNED	4	SCHIPA	Interrupt parameter
0	(0)	ADDRESS	4	SCHIPP	Interrupt parameter
4	(4)	BITSTRING	1	SCHFLG1	Flags
		11..		*	o Reserved bits: See Declares
		..11 1...		SCHISC	o Interrupt Subclass
		.... .1..		SCHB	o I/O Initiation Control
		11		*	o Reserved bits: See Declares
5	(5)	BITSTRING	1	SCHFLG2	Flags
		1...		SCHE	o Enable
		.11.		SCHLM	o Limit mode
		...1 1...		SCHMM	o Measurement Mode
		...1		SCHMCMB	o Measurements to be stored in channel measurement block
		.... 1...		SCHMDCTI	o DCTI to be stored in ESW
		.... .1..		SCHD	o Dynamic pathing device
		.... ..1.		SCHT	o Timing facility available
		1		SCHV	o Device number valid
6	(6)	UNSIGNED	2	SCHDEVNO	Device number
8	(8)	BITSTRING	1	SCHLPM	Logical path mask
9	(9)	BITSTRING	1	SCHPNOM	Path not operational mask
10	(A)	BITSTRING	1	SCHLPUM	Last path used mask
11	(B)	BITSTRING	1	SCHPIM	Path installed mask
12	(C)	UNSIGNED	2	SCHMBI	Measurement block index
14	(E)	BITSTRING	1	SCHPOM	Path operational mask
15	(F)	BITSTRING	1	SCHPAM	Path available mask
16	(10)	UNSIGNED	1	SCHCHPID (8)	Channel path ID's
24	(18)	CHARACTER	3	*	Reserved
24	(18)	BITSTRING	1	*	Reserved
25	(19)	111.		SCHST	Subchannel type
25	(19)	BITSTRING	1	*	Reserved
27	(1B)	BITSTRING	1	SCHFLG6	Flags

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Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		1111 111.		*	Reserved
		1		SCHCSF	Concurrent Sense Facility
28	(1C)	CHARACTER	12	SCHSCSW	Subchannel status word (SCSW). Mapped by the first 12 bytes of of the (IHAIRB)
40	(28)	CHARACTER	12	SCHMDATA	Model dependent data

SCHIB Constants

Len	Type	Value	Name	Description
		Comment		
		SCHLM field declares		
		End of Comment		
0	BIT	00	SCHLNONE	No limit checking.
0	BIT	10	SCHLLT	Data address must be < limit
0	BIT	01	SCHLGTE	Data address must be >= limit
		Comment		
		SCHST field declares		
		End of Comment		
0	BIT	000	SCHIO	I/O subchannel
0	BIT	001	SCHST1	Subchannel type 1
0	BIT	010	SCHST2	Subchannel type 2
0	BIT	011	SCHST3	Subchannel type 3

SCHIB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SCHB	4	04	SCHV	5	01
SCHCHPID	10				
SCHCSF	1B	01			
SCHD	5	04			
SCHDEVNO	6				
SCHE	5	80			
SCHFLG1	4				
SCHFLG2	5				
SCHFLG6	1B				
SCHIB	0				
SCHIP	0				
SCHIPA	0				
SCHIPP	0				
SCHISC	4	38			
SCHLM	5	60			
SCHLPM	8				
SCHLPUM	A				
SCHMBI	C				
SCHMCMB	5	10			
SCHMDATA	28				
SCHMDCTI	5	08			
SCHMM	5	18			
SCHPAM	F				
SCHPIM	B				
SCHPMCW	0				
SCHPNOM	9				
SCHPOM	E				
SCHSCSW	1C				
SCHST	19	E0			
SCHT	5	02			

SCL Heading Information

Common Name: Scan Parameter List
Macro ID: IEEZB815
DSECT Name: None
Owning Component: System Command (SC1B8)
Subpool and Key: Subpool and key of caller
Size: 92 bytes
Created by: Callers of Generalized Parser (IEEMB887)
Pointed to by: N/A
Serialization: None
Function: The parameter list to IEEMB887 provides the basic information to perform a parse of the specified input.

SCL Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	92	SCLPARM	PARSE PARM LIST
0	(0)	CHARACTER	4	SCLACRO	ACRONYM - SHOULD EQUAL 'SCL '
4	(4)	UNSIGNED	1	SCLVERSN	VERSION LEVEL
5	(5)	CHARACTER	3	SCLRESV1	RESERVED
8	(8)	ADDRESS	4	SCLCHAR	PTR TO STRING TO PARSE
12	(C)	ADDRESS	4	SCLDSC	PTR TO FIRST PARSE DESC.
16	(10)	ADDRESS	4	SCLIORTN	ADDR OF USER I/O EXIT ROUTINE
20	(14)	ADDRESS	4	SCLIOPAD	ADDR OF PARM FOR I/O ROUTINE
24	(18)	ADDRESS	4	SCLCURNT	ADDR OF CURRENT PARSE DESC.
28	(1C)	UNSIGNED	2	SCLINLN	INPUT RECORD LENGTH
30	(1E)	UNSIGNED	2	SCLSTRLN	PASSBACK LENGTH
32	(20)	BITSTRING	1	SCLFLG1	FLAG BYTE
		1...		SCLCONTC	CONTINUATION CHAR. CHECK
		.1..		SCLNOCT	NO CONTINUATION ALLOWED
		..1.		SCLCOMNT	COMMENTS ALLOWED
		...1		SCLNOSUC	AFTER CALL TO ROUT PROCESS ALTERNATE PARSE DESC. NEXT
		.... 1...		SCLSECS	AFTER CALL TO ROUT PROC. SEC. SUCCESSOR PARSE DESC. NEXT
		.... .1..		SCLNORT	DO NOT CALL ROUT EXIT ROUTINE UNLESS 'CALLRT=YES' IS GIVEN
		.... ..1.		SCLMULTR	ALLOW MULTIPLE RECORD SCANS
		1		*	RESERVED
33	(21)	UNSIGNED	1	SCLFLG2	RESERVED
34	(22)	UNSIGNED	1	SCLFLG3	RESERVED
35	(23)	UNSIGNED	1	SCLUFUNC	FUNCTION BYTE - HAS CONTENTS OF ADDRESS THAT TRT INSTR. STOPPED AT DURING TRT SCAN
36	(24)	ADDRESS	4	SCLUTAB	ADDR OF USER PROCESSING TABLE
40	(28)	SIGNED	2	SCLUINDX	INDEX WITHIN PROCESSING TABLE
42	(2A)	SIGNED	2	SCLRESV2	RESERVED
44	(2C)	ADDRESS	4	SCLUSER	USER-DEFINED WORK AREA
48	(30)	SIGNED	4	SCLDATA	USER'S DATA FOR THE ROUT
52	(34)	ADDRESS	4	SCLMBUFP	ADDR. OF MULTIPLE RECORD BUFFER
56	(38)	UNSIGNED	2	SCLMBUFL	LENGTH OF MULTIPLE RECORD BUFFER
58	(3A)	SIGNED	2	SCLFLG5	RESERVED
60	(3C)	ADDRESS	4	SCLMBUFU	ADDR. OF FIRST UNUSED BYTE OF MULT. REC. BUFFER
64	(40)	SIGNED	4	SCLRET	RETURN CODE
68	(44)	SIGNED	4	SCLRSN	REASON CODE
72	(48)	CHARACTER	4	SCLRSVD1	RESERVED
76	(4C)	CHARACTER	4	SCLRSVD2	RESERVED
80	(50)	CHARACTER	4	SCLRSVD3	RESERVED
84	(54)	CHARACTER	4	SCLRSVD4	RESERVED
88	(58)	CHARACTER	4	SCLRSVD5	RESERVED

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SCL Constants

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	DSCPARSE	PARSE MAPPING
0	(0)	ADDRESS	4	DSCALTAD	ADDR OF ALT PARSE DESC.
4	(4)	ADDRESS	4	DSCSUCAD	ADDR OF SUCC PARSE DESC.
8	(8)	ADDRESS	4	DSCSSAD	ADDR OF SEC. SUCC PARSE DESC.
12	(C)	ADDRESS	4	DSCRTAD	ADDR OF ROUT EXIT ROUTINE
16	(10)	SIGNED	4	DSCDATA	USER'S DATA FOR THE ROUT
20	(14)	CHARACTER	12	DSCRSVD	RESERVED
32	(20)	ADDRESS	4	DSCTRTAD	ADDR OF USER'S TRT TABLE
36	(24)	ADDRESS	4	DSCUTAB	ADDR OF USER PROCESSING TABLE
40	(28)	SIGNED	2	DSCUINDX	INDEX WITHIN PROCESSING TABLE
42	(2A)	BITSTRING	1	DSCFLG1	FLAG BYTE
		1...		DSCALPHA	ALPHA DATA EXPECTED
		.1..		DSCNUMER	NUMERIC DATA EXPECTED
		..1.		DSCHEX	HEX DATA EXPECTED
		...1		DSC1A	FIRST CHAR CAN ONLY BE ALPHA
		.... 1...		DSC1A@	FIRST CHAR ALPHA/NATIONAL
		.... .111		*	RESERVED
43	(2B)	BITSTRING	1	DSCFLG2	FLAG BYTE
		1...		DSCBLANK	DONT SKIP OVER BLANKS
		.1..		DSCIOYES	CALL I/O EXIT TO READ
		..1.		DSCCOMMA	DONT SKIP OVER COMMAS
		...1		DSCCALRT	ALWAYS CALL ROUT IF IT EXISTS
		.... 1...		DSCNOSCN	DO 'ROUT ONLY' PROCESSING
		.... .111		*	RESERVED
44	(2C)	UNSIGNED	2	DSCMAXLN	MAXIMUM VARIABLE LENGTH
46	(2E)	UNSIGNED	2	DSCMINLN	MINIMUM VARIABLE LENGTH
48	(30)	UNSIGNED	1	DSCKEYLN	'KEY' STRING LENGTH
49	(31)	UNSIGNED	1	DSCABBLN	MINIMUM ACCEPTABLE LENGTH FOR KEYWORD ABBREVIATION
50	(32)	UNSIGNED	1	DSCALSLN	'ALSO' STRING LENGTH
51	(33)	UNSIGNED	1	DSCDLMLN	'DELIM' STRING LENGTH
52	(34)	CHARACTER	8	DSCALSC	'ALSO' STRING
60	(3C)	CHARACTER	8	DSCDLMC	'DELIM' STRING
68	(44)	CHARACTER	*	DSCKEY	'KEY' STRING

SCL Constants

Len	Type	Value		Name	Description
4	CHARACTER	SCL		SCLNAME	CONSTANT - ACRONYM 'SCL '
1	DECIMAL		1	SCLSP212	VERSION LEVEL NUMBER
1	DECIMAL		1	SCLVERID	VERSION IDENTIFICATION

Comment

```
THE FOLLOWING CONSTANTS DEFINE THE VALUES IN SCLRET
EITHER RETURNED FROM THE ROUT OR I/O EXIT ROUTINE TO THE
PARSER OR FROM THE PARSER TO THE INVOKER:
RETURN CODES PASSED FROM THE PARSER TO THE INVOKER
   RETURN CODE = 0 (SCLGOOD)
   CONDITIONS = ALL AVAILABLE PARSE DESCRIPTIONS OR
            INPUT RECORDS PROCESSED SUCCESSFULLY
   RETURN CODE = 4 (SCLBAD)
   CONDITIONS = PARSE STOPPED BECAUSE:
         1) ROUT INDICATED STOP BY SETTING SCLRET=SCLSTOP
      OR 2) PARSE DESCRIPTION AND ALTERNATES EXHAUSTED
            WITHOUT FINDING MATCH WITH CHARACTER STRING
      OR 3) CHARACTERS DECLARED AS BEING VALID DELIMITERS
            HAVE ALREADY BEEN DEFINED AS ACCEPTABLE
   RETURN CODE = 8 (SCLSTOP)
   CONDITIONS = PARSER IS TO READ IN NEXT INPUT RECORD
                BUT NO I/O EXIT ROUTINE EXISTS, OR,
                AFTER CALLING I/O EXIT ROUTINE, IT
```

Len	Type	Value	Name	Description
		IS FOUND THAT NO MORE INPUT IS AVAILABLE WHEN THERE SHOULD HAVE BEEN MORE INPUT TO READ		
		RETURN CODE = 12 (SCLINVAL)		
		CONDITIONS = SCL CONTAINS INVALID SYNTAX		
		RETURN CODE = 16 (SCLERR)		
		CONDITIONS = SERIOUS ERROR OCCURRED		
		RETURN CODE = 20 (SCLTERM)		
		CONDITIONS = TERMINAL ERROR OCCURRED		
		RETURN CODE = 24 (SCLESTAE)		
		CONDITIONS = PARSER ESTAE HAS NOT BEEN INVOKED		
		RETURN CODE = 28 (SCLUNDEF)		
		CONDITIONS = ROUT OR I/O EXIT ROUTINE GAVE A RETURN CODE OTHER THAN THOSE EXPECTED		
		RETURN CODE = 32 (SCLABEND)		
		CONDITIONS = AN ABEND OCCURRED EITHER IN THE PARSER OR WITHIN AN EXIT ROUTINE		
		RETURN CODES PASSED FROM ROUT EXIT ROUTINES TO PARSER		
		RETURN CODE = 0 (SCLGOOD)		
		CONDITIONS = CONTINUE PARSING		
		OUTPUT = NONE		
		RETURN CODE = 4 (SCLNDSCN)		
		CONDITIONS = STOP PARSE BUT HAVE PARSER RETURN TO CALLER WITH RETURN CODE OF SCLGOOD		
		OUTPUT = RETURN CODE IN SCL		
		RETURN CODE = 8 (SCLSTOP)		
		CONDITIONS = STOP PARSE AND HAVE PARSER RETURN TO CALLER WITH RETURN CODE OF SCLBAD		
		OUTPUT = RETURN CODE IN SCL		
		RETURN CODE = 16 (SCLERR)		
		CONDITIONS = STOP PARSE AND HAVE PARSER RETURN TO CALLER WITH RETURN CODE OF SCLERR		
		OUTPUT = RETURN CODE IN SCL		
		RETURN CODE = 20 (SCLTERM)		
		CONDITIONS = STOP PARSE AND RETURN TO CALLER WITH RETURN CODE OF SCLTERM		
		OUTPUT = RETURN CODE IN SCL		
		RETURN CODE = OTHER		
		CONDITIONS = STOP PARSE AND RETURN TO CALLER WITH RETURN CODE OF SCLUNDEF		
		OUTPUT = RETURN CODE IN SCL		
		RETURN CODES PASSED FROM I/O EXIT ROUTINE TO PARSER		
		RETURN CODE = 0 (SCLGOOD)		
		CONDITIONS = INPUT BUFFER REFILLED SUCCESSFULLY		
		OUTPUT = NONE		
		RETURN CODE = 4 (SCLNDSCN)		
		CONDITIONS = NO MORE INPUT AVAILABLE - 1) IF WITHIN A COMMENT FIELD, PARSER SHOULD RETURN TO CALLER WITH RETURN CODE OF SCLBAD AND A REASON CODE OF SCLBCOM 2) IF A CONTINUATION CHARACTER WAS GIVEN, PARSER SHOULD RETURN TO CALLER WITH RETURN CODE OF SCLBAD AND A REASON CODE OF SCLBCONT 3) OTHERWISE, PARSER SHOULD RETURN TO CALLER WITH RETURN CODE OF SCLGOOD AND A REASON CODE OF SCLNOIO		
		OUTPUT = RETURN CODE IN SCL		

Len	Type	Value	Name	Description
	RETURN CODE = 20 (SCLTERM) CONDITIONS = STOP PARSE AND RETURN TO CALLER WITH RETURN CODE OF SCLTERM OUTPUT = RETURN CODE IN SCL RETURN CODE = OTHER CONDITIONS = STOP PARSE AND RETURN TO CALLER WITH RETURN CODE OF SCLUNDEF OUTPUT = RETURN CODE IN SCL			
	End of Comment			
1	DECIMAL	0	SCLGOOD	
1	DECIMAL	4	SCLNDSCN	
1	DECIMAL	4	SCLBAD	
1	DECIMAL	8	SCLSTOP	
1	DECIMAL	12	SCLINVAL	
1	DECIMAL	16	SCLERR	
1	DECIMAL	20	SCLTERM	
1	DECIMAL	24	SCLESTAE	
1	DECIMAL	28	SCLUNDEF	
1	DECIMAL	32	SCLABEND	
	Comment			
	THE FOLLOWING CONSTANTS DEFINE THE VALUES IN SCLRSN (REASON CODES) ON RETURN FROM THE PARSER TO THE INVOKER. IT IS ALSO POSSIBLE THAT THE PARSER WILL PASS ON THE REASON CODE FROM THE ROUT OR I/O EXIT ROUTINE AS ITS REASON CODE WHEN RETURNING TO THE INVOKER. REASON CODE = 0 (SCLOK) CONDITIONS = USED WITH SCLGOOD, OR WHEN NO REASON IS DETERMINED REASON CODE = 4 (SCLNOPRS) CONDITIONS = PARSE DESCRIPTION DEFINED AS NEXT (SUCCESSOR, SECONDARY SUCCESSOR OR ALTERNATE) DOES NOT EXIST REASON CODE = 8 (SCLNOIO) CONDITIONS = PARSER IS TO READ IN NEXT INPUT RECORD BUT NO MORE INPUT IS AVAILABLE BECAUSE EITHER NO I/O EXIT ROUTINE EXISTS OR ALL OF THE INPUT RECORDS HAVE BEEN PARSED REASON CODE = 12 (SCLBCONT) CONDITIONS = IF CONTINUATION CHARACTER IS FOUND AS LAST CHARACTER OF PREVIOUS INPUT RECORD AND: 1) NO I/O EXIT ROUTINE EXISTS, OR 2) I/O EXIT ROUTINE GIVES A RETURN CODE INDICATING THAT NO MORE INPUT IS AVAILABLE REASON CODE = 16 (SCLBCOM) CONDITIONS = IF, WHEN REACHING END OF INPUT RECORD, PARSER IS WITHIN A COMMENT FIELD AND: 1) NO I/O EXIT ROUTINE EXISTS, OR 2) I/O EXIT ROUTINE GIVES A RETURN CODE INDICATING THAT NO MORE INPUT IS AVAILABLE REASON CODE = 20 (SCLBDLM) CONDITIONS = CHARACTERS DEFINED BY INVOKER AS BEING VALID DELIMITERS HAVE ALREADY BEEN DEFINED AS ACCEPTABLE FOR THE SCAN			

Len	Type	Value	Name	Description
	REASON CODE = 24 (SCLBKEY) CONDITIONS = KEYWORD NOT FOUND (DURING KEY PROCESSING) REASON CODE = 28 (SCLBLEN) CONDITIONS = LENGTH OF WORD FOUND WHILE SCANNING IS OUT OF RANGE REASON CODE = 32 (SCLBCHAR) CONDITIONS = CHARACTER THAT SCAN ENDED AT IS AN INVALID DELIMITER OR 'INVALID CHARACTER' REASON CODE = 36 (SCLNOSPC) CONDITIONS = NO PROCESSING OF ANY KIND WAS SPECIFIED ON CURRENT PARSE DESCRIPTION REASON CODE = 40 (SCLBADPD) CONDITIONS = AN INVALID PARSE DESCRIPTION WAS SUPPLIED. IT IS SUGGESTED THAT THE USER UNDERSTAND HOW THE 'IEEPARSE' MACRO FUNCTIONS BEFORE GENERATING HIS OWN PARSE DESCRIPTIONS. REASON CODE = 44 (SCLBUFLN) CONDITIONS = THE MULTIPLE RECORD INPUT BUFFER SUPPLIED IS NOT LONG ENOUGH TO HOLD THE DATA NECESSARY TO ADEQUATELY PERFORM THE PARSE DESCRIPTION POINTED TO BY SCLCURNT.		
		End of Comment		
1	DECIMAL	0	SCLOK	
1	DECIMAL	4	SCLNOPRS	
1	DECIMAL	8	SCLNOIO	
1	DECIMAL	12	SCLBCONT	
1	DECIMAL	16	SCLBCOM	
1	DECIMAL	20	SCLBDLM	
1	DECIMAL	24	SCLBKEY	
1	DECIMAL	28	SCLBLEN	
1	DECIMAL	32	SCLBCHAR	
1	DECIMAL	36	SCLNOSPC	
1	DECIMAL	40	SCLBADPD	
1	DECIMAL	44	SCLBUFLN	

SCL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DSCABBLN	31		DSCRSVD	14	
DSCALPHA	2A	80	DSCRTAD	C	
DSCALSC	34		DSCSSAD	8	
DSCALSLN	32		DSCSUCAD	4	
DSCALTAD	0		DSCTRTAD	20	
DSCBLANK	2B	80	DSCUINDX	28	
DSCCALRT	2B	10	DSCUTAB	24	
DSCCOMMA	2B	20	DSC1A	2A	10
DSCDATA	10		DSC1A@	2A	08
DSCDLMC	3C		SCLACRO	0	
DSCDLMLN	33		SCLCHAR	8	
DSCFLG1	2A		SCLCOMNT	20	20
DSCFLG2	2B		SCLCONTC	20	80
DSCHEX	2A	20	SCLCURNT	18	
DSCIOYES	2B	40	SCLDATA	30	
DSCKEY	44		SCLDSC	C	
DSCKEYLN	30		SCLFLG1	20	
DSCMAXLN	2C		SCLFLG2	21	
DSCMINLN	2E		SCLFLG3	22	
DSCNOSCN	2B	08	SCLFLG5	3A	
DSCNUMER	2A	40	SCLINLN	1C	
DSCPARSE	0		SCLIOPAD	14	

SCL Cross Reference

Name	Hex Offset	Hex Value
SCLIORTN	10	
SCLMBUFL	38	
SCLMBUFP	34	
SCLMBUFU	3C	
SCLMULTR	20	02
SCLNOCT	20	40
SCLNORT	20	04
SCLNOSUC	20	10
SCLPARM	0	
SCLRESV1	5	
SCLRESV2	2A	
SCLRET	40	
SCLRSN	44	
SCLRSVD1	48	
SCLRSVD2	4C	
SCLRSVD3	50	
SCLRSVD4	54	
SCLRSVD5	58	
SCLSECS	20	08
SCLSTRLN	1E	
SCLUFUNC	23	
SCLUINDX	28	
SCLUSER	2C	
SCLUTAB	24	
SCLVERSN	4	

SCRA Heading Information

Common Name: Supervisor Control Recovery Area
Macro ID: IHASCRA
DSECT Name: SCRA
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: SCRA
Offset: 0
Length: 4
Storage Attributes: Subpool: 245
Key: 0
Size: 24 bytes
Created by: IEAVESPR
Pointed to by: SDWAPARM field of the SDWA data area
Serialization: Disablement
Function: The Parm area pointed to by SDWAPARM is mapped by IHASCRA for Supervisor Control Recovery modules. IEAVESPR initializes and is primary user of the area. It serves as a communication area.

SCRA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SCRA	
0	(0)	DBL WORD	8	(0)	SUPERVISOR CONTROL RECOVERY AREA
0	(0)	CHARACTER	4	SCRASCRA	ACRONYM FOR SCRA
4	(4)	ADDRESS	4	SCRARTNP	RTM RETURN POINT ADDRESS
8	(8)	ADDRESS	4	SCRACSTK	CURRENT STACK POINTER
12	(C)	SIGNED	4	SCRAFLGS (0)	RECURSION AND ACTION FLAGS
12	(C)	BITSTRING	1	SCRARECF	RECURSION FLAGS
		1...		SCRAREC1	"X'80'" FIRST LEVEL RECURSION
		.1..		SCRAREC2	"X'40'" SECOND LEVEL RECURSION
		..1.		SCRARS02	"X'20'" RESERVED
		...1		SCRAXSRC	"X'10'" XES List Notification Recovery Recurstion indicator
13	(D)	BITSTRING	1	SCRAACTF	ACTION FLAGS
		1...		SCRAMTRM	"X'80'" MEMTERM INDICATOR
		.1..		SCRAABTM	"X'40'" ABTERM INDICATOR
14	(E)	SIGNED	2	SCRARS04	RESERVED
16	(10)	SIGNED	4	SCRAWORK	RECOVERY WORK AREA PTR
20	(14)	SIGNED	4	SCRASUPR	SUPERVISOR CONTROL WORD FROM PSA
24	(18)	DBL WORD	8	SCRAEND (0)	END OF SCRA

SCRA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SCRA	0		SCRARTNP	4	
SCRAABTM	D	40	SCRASCRA	0	
SCRAACTF	D		SCRASUPR	14	
SCRACSTK	8		SCRAWORK	10	
SCRAEND	18		SCRAXSRC	C	10
SCRAFLGS	C				
SCRAMTRM	D	80			
SCRARECF	C				
SCRAREC1	C	80			
SCRAREC2	C	40			
SCRARS02	C	20			
SCRARS04	E				

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SCT Heading Information

Common Name: STEP CONTROL TABLE
Macro ID: IEFASCTB
DSECT Name: INSMSCT
Owning Component: Interpreter (SC1B9)
Eye-Catcher ID: 'SCT '
Offset: -4 (SWA prefix)
Length: 4 bytes
Storage Attributes: Subpool: 236 or 237 (SWA), or 241 for MSTR
Key: 1
Residency: Below
Size: 176 bytes
Frequency: One per step in a job
Created by: The Interpreter
Pointed to by: - JSCSCTP field (SVA) of the JSCB data area
Serialization: None
Function: Contains job step information used by Initiator and Interpreter routines

SCT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	DBL WORD	8	(0)	
0	(0)	X'0'	0	INSMSCT	"*" STEP CONTROL TABLE
0	(0)	CHARACTER	3	SCTDISKA	DISK ADDRESS OF SCT
3	(3)	CHARACTER	1	SCTTBLID	TABLE ID OF SCT=2
3	(3)	X'2'	0	SCTID	"2"
4	(4)	CHARACTER	1	SCTSSTAT	INTERNAL STEP STATUS
4	(4)	X'80'	0	EAADDRBT	"128" BIT 0 - ON FOR ADDRSPC=REAL Y01029
4	(4)	X'40'	0	EACAUSER	"64" BIT 1 - CAN CAUSE ROLLOUT AACA
4	(4)	X'20'	0	SCTNORST	"32" BIT 2 - NO RESTART TO BE DONE AACA
4	(4)	X'10'	0	SCTNOCKP	"16" BIT 3 - NO CHECKPOINT TO BE TAKEN AACA
4	(4)	X'8'	0	SCTDORST	"8" BIT 4 - DO RESTART IF NECESSARY AACA
4	(4)	X'4'	0	SCTKEY0	"4" BIT 5 - FOR GRAPHICS - ALTER PROTECT KEY AACA
4	(4)	X'2'	0	SCTGRPH	"2" BIT 6 - FOR GRAPHICS - ABEND EXIT AACA
4	(4)	X'1'	0	INCMSSTS	"1" BIT-7 - STEP FAILED
5	(5)	CHARACTER	1	SCTMEMPR	This byte is set when OMVS creates a child in order to propagate the parent's MEMLIMIT to the child.
6	(6)	CHARACTER	2	SCTRSVD1	RESERVED
8	(8)	CHARACTER	2	SCTSEXEC	STEP STATUS CODE PASSED TO THE INITIATOR AT TERMINATE OR THE LENGTH OF THE PARM FIELD IN THE SCTX. Y02641
10	(A)	CHARACTER	2	SCTLALOC	LENGTH OF ALLOCATION WORK AREA OR NUMBER OF GOOD DD CARDS
12	(C)	CHARACTER	4	SCTFSIOT	SVA of first SIOT. SVA is contained in the first three bytes of this field.
16	(10)	SIGNED	4	SCTTVFUT	STEP VF USAGE TIME WORK AREA
20	(14)	CHARACTER	4	SCTANSCT	DISK ADDRESS OF NEXT SCT
24	(18)	CHARACTER	4	SCTLSIOT	SVA of last SIOT for step. SVA is contained in the first three bytes of this field.
28	(1C)	CHARACTER	4	SCTDDNT	SWA ADDRESS OF DDNT
32	(20)	CHARACTER	4	SCTAFACT	SVA ADDRESS OF FIRST ACT FOR THIS STEP
36	(24)	CHARACTER	4	SCTSWB	SCHEDULER WORK BLOCK (SWB) STRUCTURE POINTER
40	(28)	CHARACTER	4	SCTADSTB	SVA ADDRESS OF DSNAME TABLE FOR THIS STEP
44	(2C)	CHARACTER	8	SCTSCLPC	NAME OF STEP THAT CALLED PROCEDURE
52	(34)	CHARACTER	8	SCTSNAME	STEPNAME

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Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
60	(3C)	CHARACTER	2	SCTRPACT	RELATIVE POINTER TO STEP ENTRY IN ACT
62	(3E)	CHARACTER	2	SCTSSYSC	Step SYStem Code. This code indicates failure before program ATTACH or after program completion. Currently, only Allocation's IEFBB410 module sets this field and SMF modules IEFTB721 and IEFTB726 use it.
62	(3E)	BITSTRING	0	SCTUSYSC	"X'8000'" Unallocation step SYStem Code.
64	(40)	CHARACTER	1	SCTSNUMB	FAILING STEP NUMBER FOR Y02641 AUTO RESTART
65	(41)	CHARACTER	1	SCTNSMSG	NUMBER OF SET UP MESSAGES
66	(42)	CHARACTER	1		RESERVED
67	(43)	CHARACTER	1	SCTSTYPE	STEP TYPE
67	(43)	X'80'	0	SCTGOSTP	"128" BIT 0- =1 IF PGM=*.(GO)STEP(FETCH DCB) 19874
67	(43)	X'40'	0	SCTINPUT	"64" BIT 1- =1 IF SYSIN IS SPECIFIED (DD *)
67	(43)	X'20'	0	SCTOUTMC	"32" BIT 2- =1 IF THE PARAMETER ASSOCIATED WITH A SYSOUT KEYWORD SPECIFIES THE MESSAGE CLASS 19874
67	(43)	X'10'	0	SCTSJFHK	"16" BIT 3 - JFCB H/K COMPLETE
67	(43)	X'E'	0	SCTINITB	"14"

Comment

BITS 4, 5, AND 6 ARE USED BY THE INITIATOR, AS FOLLOWS--
000 - USE ACTION CODE
001 - GO TO AVR MODULE
010 - GO TO SPACE REQUEST
011 - GO TO EXTERNAL ACTION SETUP
100 - GO TO EXTERNAL ACTION VERIFY
101 - NULL
110 - NULL
111 - NULL

End of Comment

67	(43)	X'1'	0	SCTJSCAT	"1" BIT 7- =1 PRVT CAT IS JOBCAT, =0 FOR STEPCAT Y01113
68	(44)	SIGNED	4	SCTXBTTR	SVA OF SCT EXTENSION BLOCK CONTAINING PARAMETER AACA
72	(48)	SIGNED	4	SCTMSADR	ADDRESS OF REGION IN MAIN STORAGE - X'00 IN 1ST BYAACA
76	(4C)	CHARACTER	4	SCTSRBT	ACCUMULATED SRB TIME FOR STEP Y02652

Comment

THE FOLLOWING FOUR BYTES ARE I254
USED BY IEFSD41Q(MVT AND MFT-2), I254
IEFSD42Q(MVT AND MFT-2), I254
IEFW41SD(PCP), I254
IEFW42SD(PCP), I254
IEFYNIMP(ALL SYSTEMS) I254

End of Comment

80	(50)	CHARACTER	4	SCTLDSTB	LENGTH OF DSNAME TABLE Y02670
84	(54)	CHARACTER	4	SCTPCAT	PRIVATE CATALOG SIOT DISK ADDRESS Y01113
88	(58)	SIGNED	2	SCTMSSZE	SIZE OF REGION IN MAIN STORAGE AACA
90	(5A)	SIGNED	2	SCTSSNUM	Sub-step number, used for exec()
92	(5C)	CHARACTER	2	SCTNIUSL	COUNT OF TOTAL NUMBER OF DD'S FOR A STEP Y02668
94	(5E)	CHARACTER	2	SCTSDP	STEP DISPATCHING PRIORITY- SET IN IEFVEA, I241 USED BY THE INITIATOR I241
94	(5E)	X'80'	0	SCTEPRFM	"128" BIT 0 = 1 PERFORM SPECIFIED ON EXEC STMT
94	(5E)	X'40'	0	SCTPRFM2	"64" BIT 1 = 1 IF TWO BYTE PERFORM FIELD USED
94	(5E)	X'20'	0	SCTFSTEP	"32" BIT 2-FIST STEP TO BE EXECUTED I241
96	(60)	SIGNED	4	SCTSMF	STEP SYSIN COUNT FOR SMF SMF
100	(64)	CHARACTER	4	SCTGOTTR	SVA OF PGM=*. SIOT AACA 2
104	(68)	CHARACTER	1	SCTSTAT2	EXTENSION OF STEP STATUS INDICATORS
104	(68)	X'68'	0	SCTBCT	"SCTSTAT2" STEP STATUS INDICATORS BIT 0 - RESERVED 19874

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
				THE FOLLOWING BIT INDICATES THAT DIRECT SYSOUT FACILITIES ARE O99 REQUIRED FOR JOB SEPARATOR/SYSTEM MESSAGES O99	
				End of Comment	
104	(68)	X'20'	0	SCTMCVOL	"32" ALLOCATION FOR CVOL AACA BIT 3 - RESERVED 19874
104	(68)	X'8'	0	SCTSTPLB	"8" BIT 4 - STEPLIB PRESENT AACA
104	(68)	X'4'	0	SCTSPSYS	"4" BIT 5 - =1 IF SPOOLED SYSIN FOR STEP (EXPRESS O102 CANCEL)SET BYIEFVDA,TESTED BY IEESD575 O102 MVT AND MFT ONLY) O102
104	(68)	X'2'	0	SCTJBEND	"2" JOB ENDED BIT AACA
104	(68)	X'1'	0	SCTRSTST	"1" BIT 7 - RESTARTED STEP (SET BY IEFSD161)
105	(69)	CHARACTER	3	SCTCLDST	Copy of SCTLDSTB. Set/used by IEFDB414 and used by IEFDB413.
108	(6C)	CHARACTER	8	SCTPGMNM	PROGRAM NAME
116	(74)	CHARACTER	2	SCTPRFMF	PERFORMANCE GROUP NUMBER
118	(76)	CHARACTER	2	SCTSDPCD	FIRST STEP DEPENDENCY CODE
120	(78)	CHARACTER	1	SCTSDPOP	FIRST STEP DEPENDENCY OPERATOR
121	(79)	CHARACTER	3	SCTSDPSA	DISK ADDRESS OF DEPENDENCY SCT
124	(7C)	CHARACTER	36		SPACE FOR 6 MORE STEP DEPENDENCIES HW16
160	(A0)	CHARACTER	1	SCTABCND	8TH CONDITION CODE SLOT - IF EVEN OR HW16
				Comment	
				ONLY WERE SPECIFIED, INFORMATION HERE. OTHERWISE, 8TH COND HW16 CODE OR ZERO HW16	
				End of Comment	
160	(A0)	X'10'	0	SCTABCAN	"16" STEP CANCEL-PRIOR ABEND NO EVEN/ONLY HW16
160	(A0)	X'8'	0	SCTONLYC	"8" STEP CANCEL-ONLY WITH NO PRIOR ABEND(S) HW16
160	(A0)	X'4'	0	SCTABEND	"4" THIS STEP ABENDED HW16
160	(A0)	X'2'	0	SCTEVEN	"2" COND=EVEN WAS SPECIFIED HW16
160	(A0)	X'1'	0	SCTONLY	"1" COND=ONLY WAS SPECIFIED HW16
161	(A1)	CHARACTER	5		TO COMPLETE CONDITION CODE SPACE HW16
166	(A6)	CHARACTER	2	SCTCATCT	COUNT OF PRIVATE CATALOG SIOTS Y01113
				Comment	
				AACA NOTE!!! THE FOLLOWING INDENTED COMMENTS HAVE BEEN LEFT FOR REFERENCE ONLY. THE FIELDS HAVE BEEN INCORPORATED. IN ORDER TO IMPLEMENT MVT IT HAS BEEN NECESSARY TO ADD AACA THE FOLLOWING FIELDS TO THE SCT. TO AVOID CAUSING AACA ERRORS IN THE CASE OF THE REASSEMBLING OF ALREADY AACA EXISTING MODULES WHICH REFERENCE THESE FIELDS,THEY AACA ARE GENERATED HERE ONLY AS COMMENTS. NOTE THAT IN AACA ACTUALITY THESE FIELDS OCCUPY THE 1ST 5 BYTES OF Y02668 THE AREA THAT IMMEDIATELY FOLLOWS THESE COMMENTS. Y01113 UNTIL THESE FIELDS ARE ACTUALLY INCORPORATED INTO THIS AACA MACRO,THEY MUST BE REFERENCED BY DISPLACEMENT (GIVEN AACA BELOW), PREFERABLY THROUGH THE USE OF EQUATES WITH AACA THE SYMBOLS DESIGNATED BELOW. AACA AACA AACA	
				End of Comment	
168	(A8)	SIGNED	4	SCTTVFAT	STEP VF AFFINITY TIME

SCT Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
		THE FOLLOWING BYTE WAS ASSUMED FOR THE SCTSTEND FIELD, BUT WAS NOT ACTUALLY DEFINED. IT IS DEFINED SO THAT THE 3 BYTES THAT WERE RESERVED MAY BE USED FOR THE SCTRGSZ FIELD. SEE THE PREVIOUS BLOCK COMMENT FOR MORE INFORMATION.			
				End of Comment	
172	(AC)	CHARACTER	1	SCTSTEND	
172	(AC)	X'80'	0	SCTSTSRT	"128" BIT 0= STEP STARTED
172	(AC)	X'40'	0	SCTSTPND	"64" BIT 1= STEP ENDED
172	(AC)	X'20'	0	SCTSYSCK	"32" BIT 2= RESTART REQUEST SYSTEM Y02641 INITIATED, C/P DATA SET Y02641 ALREADY BEEN VALIDATED. Y02641 DISPLACEMENT 172 (DECIMAL) AACA
172	(AC)	X'10'	0	SCTSTNRN	"16" BIT 3= THIS STEP WAS NOT RUN BECAUSE OF CONDITION CODE PROCESSING
172	(AC)	X'8'	0	SCTNDSI	"8" BIT 4= The PPT specified 'No Data Set Integrity'
172	(AC)	X'4'	0	SCTTEXEC	"4" BIT 5= This step was terminated by exec() processing
172	(AC)	X'2'	0	SCTDNTEM	"2" Dataset Name Table Length Copied (from SCTLSDTB into SCTCLDST). Set/ checked by IEFDB414 after the first Dynamic Allocation of a Step causes an entry to be made in the DSNT.
173	(AD)	CHARACTER	3	SCTRGSZ	REGION SIZE IN K BYTES
173	(AD)	X'B0'	0	SCTLNGTH	"*-INSMSCT" LENGTH OF SCT AACA
176	(B0)	SIGNED	4	INDMDSNT (45)	

SCT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
EAADDRBT	4	80	SCTLSIOT	18	
EACAUSER	4	40	SCTMCVOL	68	20
INCMSSTS	4	1	SCTMEMPR	5	
INDMDSNT	B0		SCTMSADR	48	
INSMSCT	0	0	SCTMSSZE	58	
SCTABCAN	A0	10	SCTNDSI	AC	8
SCTABCND	A0		SCTNIUSL	5C	
SCTABEND	A0	4	SCTNOCKP	4	10
SCTADSTB	28		SCTNORST	4	20
SCTAFACT	20		SCTNSMSG	41	
SCTANSCT	14		SCTONLY	A0	1
SCTBCT	68	68	SCTONLYC	A0	8
SCTCATCT	A6		SCTOUTMC	43	20
SCTCLDST	69		SCTPCAT	54	
SCTDDNT	1C		SCTPGMNM	6C	
SCTDISKA	0		SCTPRFMF	74	
SCTDNTEM	AC	2	SCTPRFM2	5E	40
SCTDORST	4	8	SCTRGSZ	AD	
SCTEPRFM	5E	80	SCTRPACT	3C	
SCTEVEN	A0	2	SCTRSTST	68	1
SCTFSIOT	C		SCTRSVD1	6	
SCTFSTEP	5E	20	SCTSCLPC	2C	
SCTGOSTP	43	80	SCTSDP	5E	
SCTGOTTR	64		SCTSDPCD	76	
SCTGRPH	4	2	SCTSDPOP	78	
SCTID	3	2	SCTSDPSA	79	
SCTINITB	43	E	SCTSEXEC	8	
SCTINPUT	43	40	SCTSJFHK	43	10
SCTJBEND	68	2	SCTSMF	60	
SCTJSCAT	43	1	SCTSNAME	34	
SCTKEY0	4	4	SCTSNUMB	40	
SCTLALOC	A		SCTSPSYS	68	4
SCTLDSTB	50		SCTSRBT	4C	
SCTLNGTH	AD	B0	SCTSSNUM	5A	

Name	Hex Offset	Hex Value
SCTSSTAT	4	
SCTSSYSC	3E	
SCTSTAT2	68	
SCTSTEND	AC	
SCTSTNRN	AC	10
SCTSTPLB	68	8
SCTSTPND	AC	40
SCTSTSRT	AC	80
SCTSTYPE	43	
SCTSWB	24	
SCTSYSCK	AC	20
SCTTBLID	3	
SCTTEXEC	AC	4
SCTTVFAT	A8	
SCTTVFUT	10	
SCTUSYSC	3E	8000
SCTXBTTR	44	

SCTX Heading Information

Common Name: STEP CONTROL TABLE EXTENSION
Macro ID: IEFSCTX
DSECT Name: SCTXIN
Owning Component: Interpreter (SC1B9)
Eye-Catcher ID: None
Storage Attributes: Subpool: 236 or 237 (SWA), 241 (MSTR)
Key: 1
Residency: Below
Size: 176 Below
FREQUENCY = One per step in a job
Created by: The Interpreter (IEFVEA)
Pointed to by: SCTXBTTR field of the Step Control Table (IEFASCTB)
Serialization: None
Function: THIS MACRO MAPS THE STEP CONTROL TABLE EXTENSION

SCTX Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	176	SCTXIN	STEP CONTROL TABLE EXTENSION (SCTX)
0	(0)	ADDRESS	3	SCTXSVA	SVA OF SCTX
3	(3)	CHARACTER	1	SCTXID	BLOCK ID OF SCTX = 0C
4	(4)	CHARACTER	104	SCTXRSWA	CHECKPOINT RESTART WORK AREA
4	(4)	CHARACTER	100	SCTXPARM	INFORMATION FROM THE PARM PARAMETER
104	(68)	CHARACTER	4	SCTXRSV1	RESERVED FOR CHECKPOINT RESTART
108	(6C)	UNSIGNED	4	SCTXSTL	MAXIMUM STEP RUNNING TIME
112	(70)	UNSIGNED	4	SCTXABCC	ABEND COMPLETION CODE FOR THIS STEP
116	(74)	CHARACTER	47	SCTXIFST	IFBS FOR THIS STEP TO EXECUTE
116	(74)	CHARACTER	2	SCTXIFEL	IF OR ELSE CLAUSE INDICATORS 0 - IF CLAUSE 1 - ELSE CLAUSE
118	(76)	UNSIGNED	3	SCTXIFSV (15)	ARRAY OF IFB SVAS
163	(A3)	BITSTRING	1	SCTXMEMS	SOURCE OF MEMLIMIT VALUE
164	(A4)	CHARACTER	8	SCTXMLSZ	MEMLIMIT SIZE (IN MB)
172	(AC)	UNSIGNED	4	SCTXSTMT	STATEMENT NUMBER

SCTX Cross Reference

Name	**Hex Offset**	**Hex Value**
SCTXABCC	70	
SCTXID	3	
SCTXIFEL	74	
SCTXIFST	74	
SCTXIFSV	76	
SCTXIN	0	
SCTXMEMS	A3	
SCTXMLSZ	A4	
SCTXPARM	4	
SCTXRSV1	68	
SCTXRSWA	4	
SCTXSTL	6C	
SCTXSTMT	AC	
SCTXSVA	0	

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SCVA Heading Information

Common Name: Slip Control Element Variable Area
Macro ID: IHASCVA
DSECT Name: SCVA, SCVACOM, SCVAPLIM, SCVAMLIM, SCVACOMP, SCVAREAS, SCVAJOBN, SCVAADDR, SCVAMOD, SCVAERRT, SCVAMODE, SCVAAS, SCVASA, SCVAS, SCVASDAT, SCVALIST, SCVADATA, SCVADAEX, SCVADA, SCVATRD, SCVADMP, SCVAJL, SCVASTRLIST, SCVAREMSTRLIST, SCVAREMOTE, SCVAREMOTEENTRY SCVASYSLIST, SCVAREMIDGROUP, SCVAREMSDUMPTOKEN, SCVAWORK, ScvaRange ScvaAction, ScvaDsplist, ScvaListd, ScvaPasc, ScvaDssa, ScvaSt, ScvaDnl, ScvaDsplistAnEntry, ScvaDnt1, ScvaLe, ScvaListAds, ScvaInd
Owning Component: SLIP (SCSLP)
Eye-Catcher ID: SCVA
Offset: 0
Length: 4
Storage Attributes: Subpool: 239
Key: 0
Residency: ANY
Size: Variable
Created by: IEECB909 when creating a SLIP trap.
Pointed to by: SCESCVA filed of the SCE data area
Serialization: Compare & Swap / Compare Double & SWAP
on the following
fields: SHDRSEQ, SHDRCTR, SCECTR
Function: The SCVA is an
extention of the Slip Control Element (IHASCE) and,
along with the SCE, internally represents a SLIP
operator command. The SCVA is a variable area
and its size depends on the keywords and parameters
specified on the SLIP trap.

SCVA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SCVA	
0	(0)	CHARACTER	8	SCVAHDR	NON VARIABLE PORTION
0	(0)	CHARACTER	4	SCVACBID	CONTROL BLOCK ID = SCVA
4	(4)	SIGNED	2	SCVALN	LENGTH OF SCVA
6	(6)	CHARACTER	2	*	RESERVED
8	(8)	CHARACTER	*	SCVAVA	VARIABLE AREA

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	3	SCVACOM	COMMON, FOR USE WHEN SCANNING ENTRIES
0	(0)	SIGNED	2	SCVACOLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVACOID	ENTRY ID

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	24	SCVAPLIM	PRCNTLIM
0	(0)	SIGNED	2	SCVAPLLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAPLID	ENTRY ID

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Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
3	(3)	UNSIGNED	1	SCVAPLSP	PRCNTLIM SPECIFIED
4	(4)	SIGNED	4	SCVAPLSC	SPACE SWITCH INTERRUPT COUNTER
8	(8)	CHARACTER	8	SCVAPLST	START TIME
8	(8)	BITSTRING	4	SCVAPLTL	LEFT HALF
12	(C)	BITSTRING	4	SCVAPLTR	RIGHT HALF
16	(10)	CHARACTER	8	SCVAPLAC	ACCUMULATED TIME
16	(10)	BITSTRING	4	SCVAPLAL	LEFT HALF
20	(14)	BITSTRING	4	SCVAPLAR	RIGHT HALF

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	12	SCVAMLIM	MATCHLIM
0	(0)	SIGNED	2	SCVAMLLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAMLID	ENTRY ID
3	(3)	CHARACTER	1	*	RESERVED
4	(4)	ADDRESS	4	SCVAMLNO	NUMBER OF TIMES TRAP HAS MATCHED
8	(8)	UNSIGNED	2	SCVAMLSP	MATCHLIM SPEC
10	(A)	CHARACTER	2	*	RESERVED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	12	SCVACOMP	COMP ENTRY
0	(0)	SIGNED	2	SCVACCLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVACCID	ENTRY ID
3	(3)	BITSTRING	1	SCVACCB	FLAGS
		1...		SCVACCU	ON=USER CODE, OFF=SYSTEM
		.111 1111		*	RESERVED
4	(4)	CHARACTER	3	SCVACCM	MASK FOR SIGNIFICANT DIGITS
7	(7)	CHARACTER	3	SCVACCD	COMPLETION CODE
10	(A)	CHARACTER	2	*	RESERVED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	12	SCVAREAS	REASON CODE
0	(0)	SIGNED	2	SCVARCLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVARCID	ENTRY ID
3	(3)	BITSTRING	1	SCVARCB	FLAGS -- RESERVED
4	(4)	CHARACTER	4	SCVARCM	MASK FOR SIGNIFICANT DIGITS
8	(8)	UNSIGNED	4	SCVARCSP	REASON CODE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	12	SCVAJOBN	JOBNAME-JSPGM ENTRY
0	(0)	SIGNED	2	SCVAJNLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAJNID	ENTRY ID
3	(3)	CHARACTER	1	*	RESERVED
4	(4)	CHARACTER	8	SCVAJND	JOBNAME OR JSPGM

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	12	SCVAADDR	ADDRESS ENTRY
0	(0)	SIGNED	2	SCVAADLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAADID	ENTRY ID
3	(3)	BITSTRING	1	SCVAAFLG	Mapped for RANGE, LPAMOD, PVTMOD, NUCMOD. ScvaMdPending must be in same bit position

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		11..		*	This must be the same number of bits preceding ScvaMdPending in ScvaMOD
		..1.		SCVAMDPENDING	For LPAMOD/EP, indicates that we have not yet found the range
4	(4)	CHARACTER	8	SCVAADD	ADDRESS RANGE
4	(4)	ADDRESS	4	SCVAADD1	FIRST ADDRESS
8	(8)	ADDRESS	4	SCVAADD2	SECOND ADDRESS

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SCVARANGE	Range Entry
0	(0)	CHARACTER	24	SCVARANGEHEADER	Fixed portion
0	(0)	SIGNED	2	SCVARANGELN	Entry Length
2	(2)	UNSIGNED	1	SCVARANGEID	Entry ID
3	(3)	BITSTRING	1	SCVARANGEFL	FLAGS
		1...		SCVARANGESY	SYMBOLIC ASID QUALIFIERS SPECIFIED
		.1..		SCVARANGESAUSED	Sa qualifier used
		..11 1111		*	RESERVED
4	(4)	SIGNED	2	SCVARANGENO	Number of addresses in range
6	(6)	CHARACTER	2	*	Reserved
8	(8)	CHARACTER	16	SCVARANGEEVALUATED	Evaluated range
8	(8)	CHARACTER	8	SCVARANGE1	Evaluated first address
8	(8)	ADDRESS	4	SCVARANGE1HIGH	
12	(C)	ADDRESS	4	SCVARANGE1LOW	
16	(10)	CHARACTER	8	SCVARANGE2	Evaluated second address
16	(10)	ADDRESS	4	SCVARANGE2HIGH	
20	(14)	ADDRESS	4	SCVARANGE2LOW	
24	(18)	CHARACTER	*	SCVARANGEAD	DATA -SEE SCVADAEX, SCVAIND, AND SVCADA

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	36	SCVAMOD	PVTMOD-LPAMOD-NUCMOD ENTRY
0	(0)	SIGNED	2	SCVAMDLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAMDID	ENTRY ID
3	(3)	BITSTRING	1	SCVAMDFL	FLAGS
		1...		SCVAMDEP	LPAEP/PVTEP/NUCEP
		.1..		SCVAMDPOSIXPATHNAME	Indicates the module name is really the last 8 chars of an POSIX pathname
		..1.		SCVAMDPENDING	For LPAMOD/EP, indicates that we have not yet found the range
4	(4)	ADDRESS	4	SCVAMDA1	FIRST ADDRESS
8	(8)	ADDRESS	4	SCVAMDA2	SECOND ADDRESS
12	(C)	CHARACTER	8	SCVAMDNM	MODULE NAME
20	(14)	ADDRESS	4	SCVAMDO1	FIRST OFFSET
24	(18)	ADDRESS	4	SCVAMDO2	SECOND OFFSET
28	(1C)	CHARACTER	8	*	
28	(1C)	CHARACTER	4	SCVAMD_POSIX	
28	(1C)	UNSIGNED	1	SCVAMDPOSIXPATHNAMELENGTH	Length of path specified
29	(1D)	CHARACTER	3	*	Unused
28	(1C)	CHARACTER	8	SCVAMD_DYNLPA	
28	(1C)	ADDRESS	4	SCVAMDA1A	For dynamic LPA (or PVT) the "secondary" load point
32	(20)	ADDRESS	4	SCVAMDA2A	For dynamic LPA (or PVT) the end of the secondary load point

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	4	SCVAERRT	ERRTYP
0	(0)	SIGNED	2	SCVAERLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAERID	ENTRY ID
3	(3)	BITSTRING	1	SCVAERFL	ERRTYP FLAGS
		1...		SCVAEMCH	MACHINE CHECK
		.1..		SCVAEPRG	PROGRAM CHECK
		..1.		SCVAERST	RESTART INTERRUPT
		...1		SCVAEABN	ABEND
		.... 1...		SCVAEMEM	MEMORY TERMINATION
		.... .1..		SCVAESVC	SVC ERROR
		.... ..1.		SCVAEDAT	DAT ERROR
		1		SCVAEPIO	PAGING I/O ERROR

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	8	SCVAMODE	MODE ENTRY
0	(0)	SIGNED	2	SCVAMOLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAMOID	ENTRY ID
3	(3)	BITSTRING	1	SCVAMOC	MODE COMPARISON
		1...		SCVAMOE	ON=EVERY, OFF=ANY
		.111 1111		*	RESERVED
4	(4)	BITSTRING	2	SCVAMOFL	MODE FLAGS
4	(4)	BITSTRING	1	SCVAMO1	FIRST EIGHT
		1...		SCVAMSUP	SUPERVISOR CONTROL MODE
		.1..		SCVAMDIS	DISABLED
		..1.		SCVAMGSP	GLOBAL SPIN LOCK
		...1		SCVAMGSD	GLOBAL SUSPEND LOCK
		.... 1...		SCVAMLL	LOCAL LOCK
		.... .1..		SCVAMT1S	TYPE 1 SVC
		.... ..1.		SCVAMSRB	SRB
		1		SCVAMTCB	TCB
5	(5)	BITSTRING	1	SCVAMO2	SECOND EIGHT
		1...		SCVAMREC	RECOVERY IN CONTROL
		.1..		SCVAMPP	PROBLEM PROGRAM STATE
		..1.		SCVAMSS	SUPERVISOR STATE
		...1		SCVAMSK	SYSTEM KEY
		.... 1...		SCVAMPK	PROBLEM PROGRAM KEY
		.... .1..		SCVAMGL	ANY GLOBAL LOCK
		.... ..1.		SCVAMLOK	ANY LOCK
		1		SCVAMHME	HOME
6	(6)	CHARACTER	2	*	RESERVED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	4	SCVAPASC	PASC ENTRY
0	(0)	SIGNED	2	SCVAPALN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAPAID	ENTRY ID
3	(3)	BITSTRING	1	SCVAPAFL	PASC FLAGS
		1...		SCVAPAP	ASC-PRIMARY
		.1..		SCVAPAAR	ASC-AR
		..1.		SCVAPAS	ASC-SECONDARY
		...1		SCVAPAH	ASC-HOME

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SCVAAS	ASID
0	(0)	CHARACTER	4	SCVAASHD	NON VARIABLE PART
0	(0)	SIGNED	2	SCVAASLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAASID	ENTRY ID

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
3	(3)	UNSIGNED	1	SCVAASNO	NUMBER OF ASID'S
4	(4)	CHARACTER	2	SCVAASD (*)	ASIDS

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SCVASA	ASIDSA
0	(0)	CHARACTER	8	SCVASAHD	NON VARIABLE PART
0	(0)	SIGNED	2	SCVASALN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVASAID	ENTRY ID
3	(3)	UNSIGNED	1	SCVASANO	NUMBER OF ASID'S
4	(4)	BITSTRING	1	SCVASAFL	FLAGS
		1...		SCVASASY	SYMBOLIC SPECIFIED
5	(5)	CHARACTER	3	*	RESERVED
8	(8)	CHARACTER	9	SCVASAD (*)	ASID'S
8	(8)	UNSIGNED	1	SCVASSA	SYMBOLIC SETTING CURRENT=00 PASID=01 SASID=02 HOME=03 OTHER=04
9	(9)	CHARACTER	8	SCVASAJOBNAME	Jobname
9	(9)	CHARACTER	2	SCVASNA	ASID

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SCVADSSA	DSSA
0	(0)	CHARACTER	8	SCVADSHD	NON VARIABLE PART
0	(0)	SIGNED	2	SCVADSLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVADSID	ENTRY ID
3	(3)	UNSIGNED	1	SCVADSNO	NUMBER OF DATASPACES
4	(4)	BITSTRING	1	SCVADSFL	FLAGS
		1...		SCVADSSY	SYMBOLIC SPECIFIED
5	(5)	CHARACTER	3	*	RESERVED
8	(8)	CHARACTER	17	SCVADSD (*)	ASID'S
8	(8)	UNSIGNED	1	SCVADSS	SYMBOLIC SETTING CURRENT=00 PASID=01 SASID=02 HOME=03 OTHER=04
9	(9)	CHARACTER	16	SCVADSAN	DATA SPACE ASID/NAME
9	(9)	CHARACTER	8	SCVADSJOBNAME	Jobname
9	(9)	CHARACTER	2	SCVADSA	ASID
17	(11)	CHARACTER	8	SCVADSN	NAME PORTION

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SCVAS	ASIDLST
0	(0)	CHARACTER	14	SCVASHD	NON VARIABLE PART
0	(0)	CHARACTER	4	SCVASCS	
0	(0)	SIGNED	2	SCVASLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVASID	ENTRY ID
3	(3)	CHARACTER	1	*	RESERVED
4	(4)	ADDRESS	4	SCVAP1	POINTER TO AREA WITH SYMBOLIC ASIDS
8	(8)	ADDRESS	4	SCVAP2	POINTER TO AREA FOR BUILDING LISTD
12	(C)	UNSIGNED	1	SCVASNO	NUMBER OF ASID'S
13	(D)	CHARACTER	1	SCVASFL	FLAGS
		1...		SCVASYM	SYMBOLIC ASIDS SPECIFIED
		.111 1111		*	RESERVED
14	(E)	CHARACTER	*	SCVASD	LIST AREA

SCVA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	3	SCVAST (*)	AREA WHICH HOLDS SYMBOLIC INDICATORS AND ASID
0	(0)	UNSIGNED	1	SCVASSYMB	SYMBOLIC CURRENT=00 PASID=01 SASID=02 HOME=03 OTHER-04 LLOC=05
1	(1)	CHARACTER	2	SCVASASID	ASID

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SCVADNL	DSPNAME
0	(0)	CHARACTER	12	SCVADNHD	NON VARIABLE PART
0	(0)	CHARACTER	4	SCVADNCS	
0	(0)	SIGNED	2	SCVADNLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVADNID	ENTRY ID
3	(3)	CHARACTER	1	*	RESERVED
4	(4)	ADDRESS	4	SCVADNP1	POINTER TO AREA FOR building the Dsplist structure
8	(8)	UNSIGNED	1	SCVADNNO	NUMBER OF DATASPACES
9	(9)	BITSTRING	3	SCVADNFL	FLAGS
		1...		SCVADNSY	SYMBOLIC ASIDS SPECIFIED
		.111 1111		*	RESERVED
12	(C)	CHARACTER	*	SCVADNA	DATASPACE NAMES

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	28	SCVALD64	LIST64 entry
0	(0)	CHARACTER	12	SCVALD64ENTRYHEADER	
0	(0)	CHARACTER	8	SCVALDSTKN	STOKEN
8	(8)	SIGNED	4	SCVALDCNT	COUNT
12	(C)	CHARACTER	16	SCVALD64ADDRESSPAIRS	Start of address pair section
12	(C)	CHARACTER	8	SCVALDSTRT64	
12	(C)	CHARACTER	4	SCVALDSTRTHIGH	
16	(10)	ADDRESS	4	SCVALDSTRTLOW	START ADDRESS
20	(14)	CHARACTER	8	SCVALDEND64	
20	(14)	CHARACTER	4	SCVALDENDHIGH	
24	(18)	ADDRESS	4	SCVALDENDLOW	END ADDRESS
28	(1C)	CHARACTER	0	SCVALISTDEND	END OF ENTRY

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	32	SCVASL64	Sumlist64 entry
0	(0)	CHARACTER	16	SCVASL64ENTRYHEADER	
0	(0)	CHARACTER	8	*	Stoken or alet
0	(0)	CHARACTER	8	SCVASLSTKN	STOKEN
0	(0)	CHARACTER	8	*	
0	(0)	CHARACTER	4	*	Reserved
4	(4)	CHARACTER	4	SCVASLALET	Alet
8	(8)	SIGNED	4	SCVASLCNT	COUNT
12	(C)	CHARACTER	4	SCVASLQUAL	Flag byte
		1...		SCVASLQUALIFIERISASTOKEN	ScvaSlStkn is really a stoken
		.1..		SCVASLQUALIFIERISANALET	ScvaSlAlet contains an alet
16	(10)	CHARACTER	16	SCVASL64ADDRESSPAIRS	Beginning of address pair section
16	(10)	CHARACTER	8	SCVASLSTRT64	
16	(10)	CHARACTER	4	SCVASLSTRTHIGH	
20	(14)	ADDRESS	4	SCVASLSTRTLOW	START ADDRESS
24	(18)	CHARACTER	8	SCVASLEND64	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
24	(18)	CHARACTER	4	SCVASLENDHIGH	
28	(1C)	ADDRESS	4	SCVASLENDLOW	END ADDRESS
32	(20)	CHARACTER	0	SCVASLEND	END OF ENTRY

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	8	SCVASL64HEADER	
0	(0)	SIGNED	4	SCVASL64HEADERTOTALLENGTH	
4	(4)	SIGNED	4	*	
8	(8)	CHARACTER	0	SCVASL64HEADERRESTOFDATA	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	4	SCVALD64HEADER	
0	(0)	SIGNED	4	SCVALD64HEADERTOTALLENGTH	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SCVADSPLIST	
0	(0)	SIGNED	4	SCVADSPLISTHEADER	Length of Dsplist
4	(4)	SIGNED	4	SCVADSPLISTENTRY (*)	Entries in dsplist

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	16	SCVADSPLISTANENTRY	Dsplist entry
0	(0)	CHARACTER	8	SCVADSPLISTJOBNAME	Jobname
0	(0)	CHARACTER	6	*	Reserved - must be zeros when ASID is specified
6	(6)	CHARACTER	2	SCVADSPLISTASID	Asid
8	(8)	CHARACTER	8	SCVADSPLISTNAME	Name of data space

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	17	SCVADNT1 (*)	
0	(0)	UNSIGNED	1	SCVADNSA	SYMBOLIC CURRENT=00 PASID=01 SASID=02 HOME=03 OTHER-04 LLOC=05
1	(1)	CHARACTER	8	SCVADNJOBNAME	Jobname qualifier
1	(1)	SIGNED	2	SCVADNAS	ASID
9	(9)	CHARACTER	8	SCVADNNM	NAME PORTION

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	8	SCVASDAT	SDATA
0	(0)	SIGNED	2	SCVASDLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVASDID	ENTRY ID
3	(3)	CHARACTER	1	*	RESERVED
4	(4)	CHARACTER	3	SCVASDFL	SDATA FLAGS

SCVA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
4	(4)	CHARACTER	1	SCVASD1	FIRST EIGHT
		1...		SCVASAPS	DUMP ALL PSA'S
		.1..		SCVASPSA	DUMP CURRENT PSA
		..1.		SCVASNUC	DUMP THE NUCLEUS
		...1		SCVASSQA	DUMP SQA
		.... 1...		SCVASLSQ	DUMP LSQA
		.... .1..		SCVASRGN	DUMP RGN (PRIVATE AREA)
		.... ..1.		SCVASLPA	DUMP LPA MOD. FOR RGN
		1		SCVASTRT	DUMP TRACE TABLE/GTF BUF
5	(5)	CHARACTER	1	SCVASD2	SECOND EIGHT
		1...		SCVASCSA	DUMP CSA
		.1..		SCVASSWA	DUMP SWA
		..1.		SCVASSDP	DUMP SUMMARY DUMP
		...1		SCVASNSD	DO NOT DUMP SUMMARY DUMP
		.... 1...		SCVASNAP	DO NOT DUMP ALL PSA
		.... .1..		SCVASNSQ	DO NOT DUMP SQA
		.... ..1.		SCVASANU	DUMP DAT OFF NUC
		1		*	RESERVED
6	(6)	CHARACTER	1	SCVASDE1	EXTENDED SDATA OPT
		1...		SCVASGRS	DUMP GRSQ
		.1..		*	1=MASTER TRACE EXIT
		..1.		*	1=SMSX LOCAL EXIT
		...1		SCVASCPL	DUMP COUPLING DATA
		.... 1...		SCVASXES	Dump XESDATA data
		.... .1..		*	Reserved
		.... ..1.		SCVASWLM	1=WLM
		1		*	RESERVED
7	(7)	CHARACTER	1	*	RESERVED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SCVALIST	LIST-SUMLIST ENTRY
0	(0)	CHARACTER	44	SCVALSHD	ENTRY HEADER
0	(0)	CHARACTER	4	SCVALSCS	WORD TO CS LOCK
0	(0)	SIGNED	2	SCVALSLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVALSID	ENTRY ID
3	(3)	CHARACTER	1	*	RESERVED
4	(4)	SIGNED	2	SCVALSNO	NUM OF ADDRS
6	(6)	CHARACTER	1	SCVALSFL	FLAGS
		1...		SCVALSYM	SYMBOLIC ASID QUALIFIER SPECIFIED
		.1..		SCVALSESAME	REQUIRED Address string can only be evaluated on an ESAME system
		..11 1111		*	RESERVED
7	(7)	CHARACTER	6	SCVALSM4	CONTAINS SCVAXXM4
13	(D)	CHARACTER	7	SCVALSAE	CONTAINS SCVAXXAE
20	(14)	CHARACTER	7	SCVALSM1	CONTAINS SCVAXXM1
27	(1B)	CHARACTER	9	SCVALSM2	CONTAINS SCVAXXM2
36	(24)	ADDRESS	4	SCVALSSYMA	ADDRESS OF SYMBOLIC AREA FOR CONVERSION
40	(28)	ADDRESS	4	SCVALSDWAP	ADDRESS OF LIST64 or Sumlist64 AREA FOR SDUMP
44	(2C)	CHARACTER	*	SCVALT	
44	(2C)	ADDRESS	4	SCVALTHD	HEADER WITH LENGTH Note that for sumlist64 a reserved field of 4 bytes follows SCVALTHD
48	(30)	CHARACTER	*	SCVALSD	DATA -SEE SCVAIND, ALSO SPACE WILL BE PROVIDED AT THE END OF SCVALSD TO BUILD THE LIST OF RESOLVED ADDRESSES THAT WILL BE SENT TO SDUMP. THE WORK AREA IS POINTED TO BY SCVALSWAP. FOR SUMLIST, THE SUMLSTL AREA IS ALSO HERE, POINTED TO BY SCVALSDWAP

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	16	SCVALISTADS	ADDRESSES OF ENTRY
0	(0)	CHARACTER	8	SCVALISTAD164	Start address
0	(0)	CHARACTER	4	SCVALISTAD1HIGH	High portion of address
4	(4)	ADDRESS	4	SCVALISTAD1LOW	Low portion of address
8	(8)	CHARACTER	8	SCVALISTAD264	End address
8	(8)	CHARACTER	4	SCVALISTAD2HIGH	High portion of address
12	(C)	ADDRESS	4	SCVALISTAD2LOW	Low portion of address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SCVAIND	INDIRECT ADDRESS BDY(WORD,4), The boundary specification

Comment

causes the compiler to think that the value and valuemask fields are word-aligned (they might or might not actually be) and that results in better code being generated. @LHC

End of Comment

0	(0)	UNSIGNED	1	SCVAINDL	LENGTH OF THE ADDRESS IN ITS ORIGINAL EBCDIC FORM FOR USE BY DISPLAY
0	(0)	UNSIGNED	1	SCVAINID	ID OF ELEMENT WITHIN ADDRESS
1	(1)	CHARACTER	*	SCVAINAD	ADDRESS, BROKEN INTO ELEMENTS EACH OF WHICH CONSISTS OF AN ID (WHICH IMPLIES A LENGTH) AND A HEX NUMBER IF THE ID IS 2, 3, 5 0R 6.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SCVADATA	DATA ENTRY
0	(0)	CHARACTER	12	SCVADAHD	ENTRY HEADER
0	(0)	SIGNED	2	SCVADALN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVADAID	ENTRY ID
3	(3)	CHARACTER	1	SCVADAFL	FLAGS
		1...		SCVADASY	SYMBOLIC ASID QUALIFIERS SPECIFIED
		.111 1111		*	RESERVED
4	(4)	CHARACTER	4	SCVADACS	LABEL TO CS UNAVAIL COUNT
4	(4)	ADDRESS	2	SCVADANO	NUMBER OF ELEMENTS
6	(6)	ADDRESS	2	SCVADAUN	DATA UNAVAIL COUNT
8	(8)	CHARACTER	4	SCVADACS1	
8	(8)	UNSIGNED	2	SCVADAERRORBADTRIPLETNUMBER	For data refresh indicates the number of the triplet causing the error
10	(A)	CHARACTER	1	SCVADAERROR	Indicates what is wrong with triplet
		1...		SCVADAERRORFIRSTOPERAND	Error occured on first operand
		.1..		SCVADAERRORASIDINACTIVE	Asid qualifier was inactive
		..1.		SCVADAERRORDATAINACCESSIBLE	Data was paged out or space was swapped out
		...1		SCVADAERRORDATAWRITEPROTECTED	Storage to refresh was write protected
11	(B)	CHARACTER	1	*	Reserved
12	(C)	CHARACTER	*	SCVADAD	DATA -SEE SCVADAEX, SCVAIND, AND SVCADA

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	2	SCVADAEX	DATA EXPRESSION ID
0	(0)	CHARACTER	1	SCVADAEI	ID DEFINING PARTS IN DATA (LEFT PAREN, RIGHT PAREN, OR, AND, TRIPLETS)
1	(1)	BITSTRING	1	SCVADAF2	FLAGS
		1...		SCVADAIM	IMPLICIT CHARACTER
		.1..		SCVADASM	SYMBOLIC AND/OR
		..11 1111		*	RESERVED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	18	SCVADA	OPERATOR AND VALUE PART OF SCVADATA The boundary specification causes the compiler to think that the value and valuemask fields are word-aligned (they might or might not actually be) and that results in better code being generated.
0	(0)	CHARACTER	1	SCVADAOP	OPERATOR SPEC
		1...		SCVADAN	NOT IND
		.1..		SCVADAEQ	EQUAL IND
		..1.		SCVADAGT	GREATER THAN IND
		...1		SCVADALT	LESS THAN IND
		.... 1...		SCVADAB	BINARY COMPARE
		.... .1..		SCVADACC	CONTENTS COMPARE
		.... ..1.		SCVADAAD	ADDRESS COMPARE
		1		SCVADAG64	64-bit GPR
1	(1)	UNSIGNED	1	SCVADAVL	LENGTH IN NUMBER OF BYTES TO BE COMPARED
2	(2)	CHARACTER	8	SCVADAVM8	VALUE MASK
2	(2)	CHARACTER	4	SCVADAVMZEROES	Zeroes when 4-byte
6	(6)	CHARACTER	4	SCVADAVM	VALUE MASK
10	(A)	CHARACTER	8	SCVADAV8	VALUE SPEC
10	(A)	CHARACTER	4	SCVADAVZEROES	Zeroes when 4-byte
14	(E)	CHARACTER	4	SCVADAV	VALUE SPEC

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SCVATRD	TRDATA ENTRY
0	(0)	CHARACTER	8	SCVATDHD	ENTRY HEADER
0	(0)	SIGNED	2	SCVATDLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVATDID	ENTRY ID
3	(3)	BITSTRING	1	SCVATDB	TRDATA FLAGS
		1...		SCVATDST	STD SPEC
		.1..		SCVATDRG	REGS SPEC
		..1.		SCVATDAD	ADDRESS LIST SPEC
		...1		SCVATDSY	SYMBOLIC ASID QUALIFIERS SPECIFIED
		 1111		*	RESERVED
4	(4)	SIGNED	2	SCVATDNO	NUMBER OF ELEMENTS
6	(6)	CHARACTER	2	*	RESERVED
8	(8)	CHARACTER	*	SCVATDD	DATA -SEE SCVAIND

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	640	SCVADMP	DUMP ID ENTRY
0	(0)	CHARACTER	4	SCVADPHR	ENTRY HEADER
0	(0)	SIGNED	2	SCVADPLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVADPID	ENTRY ID
3	(3)	CHARACTER	1	SCVADPLK	DUMP LIST LOCK
4	(4)	ADDRESS	4	SCVADPTEXTPTR	Pointer to the Slip text buffer
8	(8)	CHARACTER	20	SCVADMTL	DUMP TITLE & ID

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
8	(8)	UNSIGNED	1	SCVADPTH	LENGTH OF DUMP TITLE PLUS TRAP ID
9	(9)	CHARACTER	13	SCVADPVA	DUMP TITLE
22	(16)	CHARACTER	4	SCVADPD	TRAP ID
26	(1A)	CHARACTER	2	*	KEEP FULLWORD ALIGNED
28	(1C)	CHARACTER	400	SCVADPLS	DUMP LIST, USED TO PASS TIME OF ERROR/INTERRUPT INFO TO SDUMP, SERIALIZED BY SCVADPLK. See also SCVADPG6. Also mapped by PRDSLIP. Also mapped by RTSDSLRP.
28	(1C)	CHARACTER	8	SCVADPSW	PSW
28	(1C)	CHARACTER	4	SCVADPSL	LEFT HALF OF PSW
32	(20)	CHARACTER	4	SCVADPSR	RIGHT HALF OF PSW
36	(24)	CHARACTER	8	SCVADPXM	XM STATUS
36	(24)	CHARACTER	4	SCVADPC3	CONTROL REGISTER 3
40	(28)	CHARACTER	4	SCVADPC4	CONTROL REGISTER 4
44	(2C)	CHARACTER	64	SCVADPGR	REGISTERS 0-15
108	(6C)	CHARACTER	64	SCVADPAR	ARS 0-15
172	(AC)	CHARACTER	64	SCVADPCR	CONTROL REGISTERS
236	(EC)	CHARACTER	192	SCVADPESAME	ESAME stuff
236	(EC)	CHARACTER	64	SCVADPG6	High halves of GPRs
300	(12C)	CHARACTER	128	SCVADPC64S	ESAME CRs

Comment

Currently 184 byte out of the 200 are used

End of Comment

428	(1AC)	CHARACTER	200	SCVADPSDPL	LENGTH OF SDUMP PLIST
628	(274)	ADDRESS	4	SCVADITOKENPTR	Address of the incident token area
632	(278)	ADDRESS	4	SCVADJOBLISTPTR	Pointer to the joblist
636	(27C)	CHARACTER	4	SCVADPLISTDA	AREA FOR LISTD ENTRY
636	(27C)	CHARACTER	4	SCVADPLISTDHDR	HEADER FOR LISTD

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	16	SCVAMSGID	MSGID entry
0	(0)	CHARACTER	4	SCVAMSGIDHD	
0	(0)	SIGNED	2	SCVAMSGIDLN	Entry length
2	(2)	UNSIGNED	1	SCVAMSGIDID	Entry id
3	(3)	CHARACTER	1	*	Unused
4	(4)	UNSIGNED	2	SCVAMSGIDTEXTLENGTH	Length of the msgid
6	(6)	CHARACTER	10	SCVAMSGIDTEXT	Msg id to match on

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SCVASTRLIST	Strlist entry
0	(0)	CHARACTER	8	SCVASTRLISTHD	Entry header
0	(0)	SIGNED	2	SCVASTRLISTLN	Entry length
2	(2)	UNSIGNED	1	SCVASTRLISTID	Entry id
3	(3)	CHARACTER	1	*	Unused
4	(4)	SIGNED	4	SCVASPRSSTRLLEN	SprsStrl length
8	(8)	CHARACTER	*	SCVASPRSSTRL	Buffer for the formatted Strlist (SprsStrl)

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SCVAJL	Joblist entry
0	(0)	CHARACTER	4	SCVAJLHD	Entry header
0	(0)	SIGNED	2	SCVAJLLN	Entry length
2	(2)	UNSIGNED	1	SCVAJLID	Entry id
3	(3)	CHARACTER	1	*	unused (bdy align)
4	(4)	CHARACTER	*	SCVAJLPLIST	joblist
4	(4)	SIGNED	4	SCVAJLPLLEN	plist length
8	(8)	CHARACTER	8	SCVAJLENTRY (*)	job/stid entries
8	(8)	CHARACTER	8	SCVAJLJOB	jobname

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SCVAREMSTRLIST	Remote Strlist entry
0	(0)	CHARACTER	8	SCVAREMSTRLISTHD	Entry header
0	(0)	SIGNED	2	SCVAREMSTRLLN	Entry length
2	(2)	UNSIGNED	1	SCVAREMSTRLID	Entry id
3	(3)	CHARACTER	1	*	Unused
4	(4)	SIGNED	4	SCVAREMSPRSSTRLLEN	SprsStrl length
8	(8)	CHARACTER	*	SCVAREMSPRSSTRL	Buffer for the formatted Strlist (SprsStrl)

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SCVAREMOTE	Remote Entry
0	(0)	CHARACTER	8	SCVAREMOTEHD	Entry Header
0	(0)	SIGNED	2	SCVAREMOTELN	Entry length
2	(2)	UNSIGNED	1	SCVAREMOTEID	Entry ID
3	(3)	CHARACTER	1	*	Reserved
4	(4)	SIGNED	2	SCVAREMOTE#	Number of elements
6	(6)	BITSTRING	1	*	Flags
		1...		SCVAREMOTECOND	Conditional Remote
7	(7)	CHARACTER	1	*	Reserved
8	(8)	CHARACTER	*	SCVAREMOTEINFO	Data -- See ScvaRemoteEntry

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	4	SCVAREMOTEENTRY	Expression ID
0	(0)	UNSIGNED	1	SCVAREMOTEENTRYID	ID defining part of data
1	(1)	UNSIGNED	1	SCVAREMOTEENTRYKEYVAL	When not 0, indicates a key that matches the base.
2	(2)	CHARACTER	2	*	Reserved for alignment
4	(4)	CHARACTER	0	*	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	772	SCVASYSLIST	
0	(0)	CHARACTER	4	SCVASYSLHD	HEADER

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	SIGNED	2	SCVASYSLLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVASYSLID	ENTRY ID
3	(3)	UNSIGNED	1	SCVASYSL#	Number of Systems
4	(4)	CHARACTER	768	SCVASYSLSYSTEMS	System Name
4	(4)	CHARACTER	24	SCVASYSLSYS (32)	System Name
4	(4)	CHARACTER	8	SCVASYSLSYSNAME	System name
4	(4)	CHARACTER	8	SCVASYSLGRPNAME	Group name
12	(C)	CHARACTER	16	SCVASYSLMEMNAME	Member name or "*"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	20	SCVAREMIDGROUP	Remote deactivation via id group
0	(0)	CHARACTER	20	SCVAREMIDGROUPHD	Entry header
0	(0)	SIGNED	2	SCVAREMIDGROUPLEN	Entry length
2	(2)	UNSIGNED	1	SCVAREMIDGROUPID	Entry id
3	(3)	CHARACTER	1	*	Unused
4	(4)	CHARACTER	16	SCVAREMIDGROUPVAL	Value

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	36	SCVAREMSDUMPTOKEN	Sdump token
0	(0)	CHARACTER	36	SCVAREMSDUMPTOKENHD	Entry header
0	(0)	SIGNED	2	SCVAREMSDUMPTOKENLEN	Entry length
2	(2)	UNSIGNED	1	SCVAREMSDUMPTOKENID	Entry id
3	(3)	CHARACTER	1	*	Unused
4	(4)	CHARACTER	32	SCVAREMSDUMPTOKENVAL	Token value

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	128	SCVAWORK	
0	(0)	CHARACTER	4	SCVAWORKHD	HEADER
0	(0)	SIGNED	2	SCVAWORKLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAWORKID	ENTRY ID
3	(3)	UNSIGNED	1	SCVAWORK#	Number of Jobs
4	(4)	CHARACTER	124	SCVAWORKENTRIES	Job name (max=15)
4	(4)	CHARACTER	4	SCVAWORKJFIXED	Non-variable part
4	(4)	SIGNED	2	SCVAWORKJKEY	Indicates job
6	(6)	SIGNED	2	SCVAWORKJLN	Indicates job
8	(8)	CHARACTER	8	SCVAWORKJ (15)	Job name (max=15)
8	(8)	CHARACTER	8	SCVAWORKJOB	Job name

SCVA Constants

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

Comment

Note - if further qualifiers are added to ScvaWorkEntries, they should be in the format: halfword key, halfword length, array(15). (Start a new level 4, not in level 5 of the preceding structure).

End of Comment

128	(80)	CHARACTER	0	*

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	8	SCVAACTION	
0	(0)	CHARACTER	4	SCVAACTHD	HEADER
0	(0)	SIGNED	2	SCVAACTLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAACTID	ENTRY ID
3	(3)	CHARACTER	1	*	Reserved
4	(4)	CHARACTER	2	SCVAACTIONS	Actions
4	(4)	BITSTRING	1	SCVAACTION1	Actions
		1...		SCVAACTSVCD	Action=Svcd
		.1..		SCVAACTWAIT	Action=Wait
5	(5)	BITSTRING	1	SCVAACTION2	Actions
5	(5)	BITSTRING	1	*	Reserved
6	(6)	CHARACTER	2	*	Reserved

SCVA Constants

Len	Type	Value		Name	Description
4	DECIMAL		0	SCVASACU	SYMBOLIC ASID -- CURRENT
4	DECIMAL		1	SCVASAP	SYMBOLIC ASID -- PRIMARY
4	DECIMAL		2	SCVASAS	SYMBOLIC ASID -- SECONDARY
4	DECIMAL		3	SCVASAH	SYMBOLIC ASID -- HOME
4	DECIMAL		4	SCVASAXP	SYMBOLIC ASID -- EXPLICIT
4	DECIMAL		5	SCVASALL	SYMBOLIC ASID -- LOC LOCK
4	DECIMAL		6	SCVASAI	SYMBOLIC ASID -- I(NSTR)
4	DECIMAL		7	SCVASASA	SYMBOLIC ASID -- SA
4	DECIMAL		8	SCVAJOBNAMESPECIFIED	Jobname specified
4	DECIMAL		8	SCVASAMX	MAXIMUM SYMBOLIC VALUE
0	BIT	00		SCVAASCP	ASC-PRIMARY MODE
0	BIT	01		SCVAASCA	ASC-AR MODE
0	BIT	10		SCVAASCS	ASC-SECONDARY MODE
0	BIT	11		SCVAASCH	ASC-HOME MODE
1	DECIMAL		1	SCVAINE	END INDICATOR, CONSISTS ONLY OF ID
1	DECIMAL		2	SCVAINSL	STORAGE LOCATION, ID IS FOLLOWED BY A 4 BYTE HEX ADDRESS
1	DECIMAL		3	SCVAINDS	DISPLACEMENT (+ OR -), ID IS FOLLOWED BY A 2 BYTE HEX DISPLACEMENT (TWOS COMPLEMENT IF NEGATIVE)
1	DECIMAL		4	SCVAININ	24 BIT ADDRESSING MODE INDIRECTION (%), CONSISTS ONLY OF ID
1	DECIMAL		4	SCVAIN24	
1	DECIMAL		5	SCVAINRG	REGISTER, ID IS FOLLOWED BY A 1 BYTE HEX REGISTER NUMBER
1	DECIMAL		6	SCVAINQL	ADDRESS QUALIFIER, ID IS FOLLOWED BY A 1 BYTE ID(0-4) AND A 2 BYTE ASID. THE CODE FOR THE QUALIFIER IS CURRENT=00 PASID=01 SASID=02 HOME=03 OTHER=04 LLOC=05. IF the id equals ScvaJobnameSpecified then a jobname follows

Len	Type	Value	Name	Description
1	DECIMAL	7	SCVAIN31	31 BIT ADDRESSING MODE INDIRECTION (?), CONSISTS ONLY OF ID
1	DECIMAL	8	SCVAING64	64-bit GPR. ID is followed by a one-byte hex register numer
1	DECIMAL	9	SCVAIN64	64 BIT ADDRESSING MODE INDIRECTION (!), CONSISTS ONLY OF ID
1	DECIMAL	10	SCVAINSL64	64 bit address element
1	DECIMAL	10	SCVAINMAX	Maximum value, for arrays in IEAVTADR
4	DECIMAL	1	SCVADALP	LEFT PAREN IN DATA, THIS SCVADAEX IS FOLLOWED BY ANOTHER SCVADAEX
4	DECIMAL	2	SCVADARP	RIGHT PAREN IN DATA, THIS SCVADAEX IS FOLLOWED BY ANOTHER SCVADAEX
4	DECIMAL	3	SCVADAOR	OR IN DATA, THIS SCVADAEX IS FOLLOWED BY ANOTHER SCVADAEX
4	DECIMAL	4	SCVADAND	AND IN DATA, THIS SCVADAEX IS FOLLOWED BY ANOTHER SCVADAEX
4	DECIMAL	5	SCVADAIT	TRIPLET IN DATA, THIS SCVADAEX IS FOLLOWED BY SCVAIND AND SCVADA WHICH DEFINE THE TRIPLET
4	HEX	00020002	REMOTECOMPONENTTOKEN	Token used to identify SLIP to XCF
4	DECIMAL	0	SCVAREMOTEENTRYEND	End of list
4	DECIMAL	1	SCVAREMOTEENTRYLP	Left Paren
4	DECIMAL	2	SCVAREMOTEENTRYRP	Right Paren
4	DECIMAL	3	SCVAREMOTEENTRYKEY	Some other keyword
4	DECIMAL	1	SCVAREMOTEKEYACTION	
4	DECIMAL	2	SCVAREMOTEKEYASIDLST	
4	DECIMAL	3	SCVAREMOTEKEYDSPNAME	
4	DECIMAL	4	SCVAREMOTEKEYJOBLIST	
4	DECIMAL	1	SCVAREMOTEKEYWORKJOB	
4	DECIMAL	5	SCVAREMOTEKEYLIST	Note that this must not have a value of 16, as that would match SumList
4	DECIMAL	6	SCVAREMOTEKEYSDATA	
4	DECIMAL	7	SCVAREMOTEKEYSYSLIST	
4	DECIMAL	8	SCVAREMOTEKEYASIDLSTCOPY	
4	DECIMAL	9	SCVAREMOTEKEYDSPNAMECOPY	
4	DECIMAL	10	SCVAREMOTEKEYLISTCOPY	
4	DECIMAL	11	SCVAREMOTEKEYSDATACOPY	
4	DECIMAL	12	SCVAREMOTEKEYSTRLIST	Strlist=
4	DECIMAL	13	SCVAREMOTEKEYSTRLISTCOPY	Strlist
4	DECIMAL	14	SCVAREMOTEKEYJOBLISTCOPY	Copy the local Joblist parm
4	DECIMAL	15	SCVAREMOTEKEYIDGROUP	Group id key
4	DECIMAL	16	SCVAREMOTEKEYLISTJOBNAME	Same as ScvaRemoteKeyList except that the addresses are jobnames qualified - this is required because downlevel systems cannot handle jobname qualification
4	DECIMAL	17	SCVAREMOTEKEYINCIDENTTOKEN	Dump incident token key
4	DECIMAL	18	SCVAREMOTEKEYDSPNAMEJOBNAME	Same as ScvaRemoteKeyDspname except that the addresses are jobname qualified - this is required because downlevel systems cannot handle jobname qualification
4	DECIMAL	18	SCVAMAXREMOTEKEY	
4	DECIMAL	254	SCVAREMOTEKEYCOND	
4	DECIMAL	255	SCVAREMOTEKEYUNCOND	

SCVA Cross Reference

Len	Type	Value	Name	Description
4	DECIMAL	32	SCVAMAXSYS	Maximum number of systems in a sysplex
1	DECIMAL	1	SCVAIDL	LAST ENTRY ID
1	DECIMAL	2	SCVAIDCC	COMP ENTRY ID
1	DECIMAL	3	SCVAIDAS	ASID ENTRY ID
1	DECIMAL	4	SCVAIDJN	JOBNAME ID
1	DECIMAL	5	SCVAIDJS	JSPGM ID
1	DECIMAL	6	SCVAIDPV	PVTMOD ID
1	DECIMAL	7	SCVAIDLP	LPAMOD ID
1	DECIMAL	8	SCVAIDAD	ADDRESS ID
1	DECIMAL	9	SCVAIDMD	MODE ID
1	DECIMAL	10	SCVAIDER	ERRTYP ID
1	DECIMAL	11	SCVAIDML	MATCHLIM ID
1	DECIMAL	12	SCVAIDPL	PRCNTLIM ID
1	DECIMAL	13	SCVAIDRA	RANGE ID
1	DECIMAL	14	SCVAIDDA	DATA ID
1	DECIMAL	15	SCVAIDSD	SDATA ID
1	DECIMAL	16	SCVAIDSL	SUMLIST ID
1	DECIMAL	17	SCVAIDLS	LIST ID
1	DECIMAL	18	SCVAIDAL	ASIDLST ID
1	DECIMAL	19	SCVAIDTD	TRDATA ID
1	DECIMAL	20	SCVAIDSA	ASIDSA ID
1	DECIMAL	21	SCVAIDDP	DUMPID ID
1	DECIMAL	22	SCVAIDRC	REASON CODE ID
1	DECIMAL	23	SCVAIDNU	NUCMOD ID
1	DECIMAL	24	SCVAIDPA	PSWASC ID
1	DECIMAL	25	SCVAIDDN	DSPNAME ID
1	DECIMAL	26	SCVAIDDS	DSSA ID
1	DECIMAL	27	SCVAIDREMOTE	Remote ID
1	DECIMAL	28	SCVAIDST	Strlist ID
1	DECIMAL	29	SCVAIDJL	Joblist ID
1	DECIMAL	30	SCVAIDREFBEFOR	Refresh before id
1	DECIMAL	31	SCVAIDREFAFTER	Refresh after id
1	DECIMAL	32	SCVAIDMSG	MSGID ID
1	DECIMAL	32	SCVAIDMX	MAXIMUM ID
6	CHARACTER	*RC=4*	SCVAXXM4	ADDRESS NOT RESOLVED
7	CHARACTER	*A1>A2*	SCVAXXAE	FIRST ADDRESS IS GREATER THAN THE SECOND ADDRESS OF A PAIR
7	CHARACTER	*RB UN*	SCVAXXM1	RB LEVEL SPECIFIED IS UNAVAILABLE
9	CHARACTER	*ASID UN*	SCVAXXM2	ASID IS UNAVAILABLE
4	DECIMAL	10	SCVAMSGIDMAXLENGTH	Maximum allowable msgid length
4	DECIMAL	0	STRLISTSUBPOOL	Subpool used to create the SprsStrl
4	DECIMAL	1024	STRLISTBUFADJ	Amount of storage to increase the new input buffer (SprsBufr) by

SCVA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SCVA	0		SCVAADD1	4	
SCVAACTHD	0		SCVAADD2	8	
SCVAACTID	2		SCVAADID	2	
SCVAACTION	0		SCVAADLN	0	
SCVAACTIONS	4		SCVAAFLG	3	
SCVAACTION1	4		SCVAAS	0	
SCVAACTION2	5		SCVAASD	4	
SCVAACTLN	0		SCVAASHD	0	
SCVAACTSVCD	4	80	SCVAASID	2	
SCVAACTWAIT	4	40	SCVAASLN	0	
SCVAADD	4		SCVAASNO	3	
SCVAADDR	0		SCVACBID	0	

Name	Hex Offset	Hex Value
SCVACCB	3	
SCVACCD	7	
SCVACCID	2	
SCVACCLN	0	
SCVACCM	4	
SCVACCU	3	80
SCVACOID	2	
SCVACOLN	0	
SCVACOM	0	
SCVACOMP	0	
SCVADA	0	
SCVADAAD	0	02
SCVADAB	0	08
SCVADACC	0	04
SCVADACS	4	
SCVADACS1	8	
SCVADAD	C	
SCVADAEI	0	
SCVADAEQ	0	40
SCVADAERROR	A	
SCVADAERRORASIDINACTIVE	A	40
SCVADAERRORBADTRIPLETNUMBER	8	
SCVADAERRORDATAINACCESSIBLE	A	20
SCVADAERRORDATAWRITEPROTECTED	A	10
SCVADAERRORFIRSTOPERAND	A	80
SCVADAEX	0	
SCVADAFL	3	
SCVADAF2	1	
SCVADAGT	0	20
SCVADAG64	0	01
SCVADAHD	0	
SCVADAID	2	
SCVADAIM	1	80
SCVADALN	0	
SCVADALT	0	10
SCVADAN	0	80
SCVADANO	4	
SCVADAOP	0	
SCVADASM	1	40
SCVADASY	3	80
SCVADATA	0	
SCVADAUN	6	
SCVADAV	E	
SCVADAVL	1	
SCVADAVM	6	
SCVADAVMZEROES	2	
SCVADAVM8	2	
SCVADAVZEROES	A	
SCVADAV8	A	
SCVADITOKENPTR	274	
SCVADJOBLISTPTR	278	
SCVADMP	0	
SCVADMTL	8	
SCVADNA	C	
SCVADNAS	1	
SCVADNCS	0	
SCVADNFL	9	
SCVADNHD	0	
SCVADNID	2	
SCVADNJOBNAME	1	
SCVADNL	0	
SCVADNLN	0	
SCVADNNM	9	
SCVADNNO	8	
SCVADNP1	4	
SCVADNSA	0	
SCVADNSY	9	80
SCVADNT1	0	
SCVADPAR	6C	
SCVADPCR	AC	
SCVADPC3	24	
SCVADPC4	28	
SCVADPC64S	12C	
SCVADPD	16	
SCVADPESAME	EC	
SCVADPGR	2C	
SCVADPG6	EC	
SCVADPHR	0	
SCVADPID	2	
SCVADPLISTDA	27C	
SCVADPLISTDHDR	27C	
SCVADPLK	3	
SCVADPLN	0	
SCVADPLS	1C	
SCVADPSDPL	1AC	
SCVADPSL	1C	
SCVADPSR	20	
SCVADPSW	1C	
SCVADPTEXTPTR	4	
SCVADPTH	8	
SCVADPVA	9	
SCVADPXM	24	
SCVADSA	9	
SCVADSAN	9	
SCVADSD	8	
SCVADSFL	4	
SCVADSHD	0	
SCVADSID	2	
SCVADSJOBNAME	9	
SCVADSLN	0	
SCVADSN	11	
SCVADSNO	3	
SCVADSPLIST	0	
SCVADSPLISTANENTRY	0	
SCVADSPLISTASID	6	
SCVADSPLISTENTRY	4	
SCVADSPLISTHEADER	0	
SCVADSPLISTJOBNAME	0	
SCVADSPLISTNAME	8	
SCVADSS	8	
SCVADSSA	0	

Name	Hex Offset	Hex Value
SCVADSSY	4	80
SCVAEABN	3	10
SCVAEDAT	3	02
SCVAEMCH	3	80
SCVAEMEM	3	08
SCVAEPIO	3	01
SCVAEPRG	3	40
SCVAERFL	3	
SCVAERID	2	
SCVAERLN	0	
SCVAERRT	0	
SCVAERST	3	20
SCVAESVC	3	04
SCVAHDR	0	
SCVAINAD	1	
SCVAIND	0	
SCVAINDL	0	
SCVAINID	0	
SCVAJL	0	
SCVAJLENTRY	8	
SCVAJLHD	0	
SCVAJLID	2	
SCVAJLJOB	8	
SCVAJLLN	0	
SCVAJLPLIST	4	
SCVAJLPLLEN	4	
SCVAJND	4	
SCVAJNID	2	
SCVAJNLN	0	
SCVAJOBN	0	
SCVALDCNT	8	
SCVALDENDHIGH	14	
SCVALDENDLOW	18	
SCVALDEND64	14	
SCVALDSTKN	0	
SCVALDSTRTHIGH	C	
SCVALDSTRTLOW	10	
SCVALDSTRT64	C	
SCVALD64	0	
SCVALD64ADDRESSPAIRS	C	
SCVALD64ENTRYHEADER	0	
SCVALD64HEADER	0	
SCVALD64HEADERTOTALLENGTH	0	
SCVALIST	0	
SCVALISTADS	0	
SCVALISTAD1HIGH	0	
SCVALISTAD1LOW	4	
SCVALISTAD164	0	
SCVALISTAD2HIGH	8	
SCVALISTAD2LOW	C	
SCVALISTAD264	8	
SCVALISTDEND	1C	
SCVALN	4	
SCVALSAE	D	
SCVALSCS	0	
SCVALSD	30	
SCVALSDWAP	28	
SCVALSESAMEREQUIRED	6	40
SCVALSFL	6	
SCVALSHD	0	
SCVALSID	2	
SCVALSLN	0	
SCVALSM1	14	
SCVALSM2	1B	
SCVALSM4	7	
SCVALSNO	4	
SCVALSSYMA	24	
SCVALSYM	6	80
SCVALT	2C	
SCVALTHD	2C	
SCVAMD_DYNLPA	1C	
SCVAMD_POSIX	1C	
SCVAMDA1	4	
SCVAMDA1A	1C	
SCVAMDA2	8	
SCVAMDA2A	20	
SCVAMDEP	3	80
SCVAMDFL	3	
SCVAMDID	2	
SCVAMDIS	4	40
SCVAMDLN	0	
SCVAMDNM	C	
SCVAMDO1	14	
SCVAMDO2	18	
SCVAMDPENDING	3	20
SCVAMDPENDING	3	20
SCVAMDPOSIXPATHNAME	3	40
SCVAMDPOSIXPATHNAMELENGTH	1C	
SCVAMGL	5	04
SCVAMGSD	4	10
SCVAMGSP	4	20
SCVAMHME	5	01
SCVAMLID	2	
SCVAMLIM	0	
SCVAMLL	4	08
SCVAMLLN	0	
SCVAMLNO	4	
SCVAMLOK	5	02
SCVAMLSP	8	
SCVAMOC	3	
SCVAMOD	0	
SCVAMODE	0	
SCVAMOE	3	80
SCVAMOFL	4	
SCVAMOID	2	
SCVAMOLN	0	
SCVAMO1	4	
SCVAMO2	5	
SCVAMPK	5	08
SCVAMPP	5	40
SCVAMREC	5	80

Name	Hex Offset	Hex Value
SCVAMSGID	0	
SCVAMSGIDHD	0	
SCVAMSGIDID	2	
SCVAMSGIDLN	0	
SCVAMSGIDTEXT	6	
SCVAMSGIDTEXTLENGTH	4	
SCVAMSK	5	10
SCVAMSRB	4	02
SCVAMSS	5	20
SCVAMSUP	4	80
SCVAMTCB	4	01
SCVAMT1S	4	04
SCVAPAAR	3	40
SCVAPAFL	3	
SCVAPAH	3	10
SCVAPAID	2	
SCVAPALN	0	
SCVAPAP	3	80
SCVAPAS	3	20
SCVAPASC	0	
SCVAPLAC	10	
SCVAPLAL	10	
SCVAPLAR	14	
SCVAPLID	2	
SCVAPLIM	0	
SCVAPLLN	0	
SCVAPLSC	4	
SCVAPLSP	3	
SCVAPLST	8	
SCVAPLTL	8	
SCVAPLTR	C	
SCVAP1	4	
SCVAP2	8	
SCVARANGE	0	
SCVARANGEAD	18	
SCVARANGEEVALUATED	8	
SCVARANGEFL	3	
SCVARANGEHEADER	0	
SCVARANGEID	2	
SCVARANGELN	0	
SCVARANGENO	4	
SCVARANGESAUSED	3	40
SCVARANGESY	3	80
SCVARANGE1	8	
SCVARANGE1HIGH	8	
SCVARANGE1LOW	C	
SCVARANGE2	10	
SCVARANGE2HIGH	10	
SCVARANGE2LOW	14	
SCVARCB	3	
SCVARCID	2	
SCVARCLN	0	
SCVARCM	4	
SCVARCSP	8	
SCVAREAS	0	
SCVAREMIDGROUP	0	
SCVAREMIDGROUPHD	0	
SCVAREMIDGROUPID	2	
SCVAREMIDGROUPLEN	0	
SCVAREMIDGROUPVAL	4	
SCVAREMOTE	0	
SCVAREMOTE#	4	
SCVAREMOTECOND	6	80
SCVAREMOTEENTRY	0	
SCVAREMOTEENTRYID	0	
SCVAREMOTEENTRYKEYVAL	1	
SCVAREMOTEHD	0	
SCVAREMOTEID	2	
SCVAREMOTEINFO	8	
SCVAREMOTELN	0	
SCVAREMSDUMPTOKEN	0	
SCVAREMSDUMPTOKENHD	0	
SCVAREMSDUMPTOKENID	2	
SCVAREMSDUMPTOKENLEN	0	
SCVAREMSDUMPTOKENVAL	4	
SCVAREMSPRSSTRL	8	
SCVAREMSPRSSTRLLEN	4	
SCVAREMSTRLID	2	
SCVAREMSTRLIST	0	
SCVAREMSTRLISTHD	0	
SCVAREMSTRLLN	0	
SCVAS	0	
SCVASA	0	
SCVASAD	8	
SCVASAFL	4	
SCVASAHD	0	
SCVASAID	2	
SCVASAJOBNAME	9	
SCVASALN	0	
SCVASANO	3	
SCVASANU	5	02
SCVASAPS	4	80
SCVASASID	1	
SCVASASY	4	80
SCVASCPL	6	10
SCVASCS	0	
SCVASCSA	5	80
SCVASD	E	
SCVASDAT	0	

Name	Hex Offset	Hex Value
SCVASDE1	6	
SCVASDFL	4	
SCVASDID	2	
SCVASDLN	0	
SCVASD1	4	
SCVASD2	5	
SCVASFL	D	
SCVASGRS	6	80
SCVASHD	0	
SCVASID	2	
SCVASLALET	4	
SCVASLCNT	8	
SCVASLEND	20	
SCVASLENDHIGH	18	
SCVASLENDLOW	1C	
SCVASLEND64	18	
SCVASLN	0	
SCVASLPA	4	02
SCVASLQUAL	C	
SCVASLQUALIFIERISANALET	C	40
SCVASLQUALIFIERISASTOKEN	C	80
SCVASLSQ	4	08
SCVASLSTKN	0	
SCVASLSTRTHIGH	10	
SCVASLSTRTLOW	14	
SCVASLSTRT64	10	
SCVASL64	0	
SCVASL64ADDRESSPAIRS	10	
SCVASL64ENTRYHEADER	0	
SCVASL64HEADER	0	
SCVASL64HEADERRESTOFDATA	8	
SCVASL64HEADERTOTALLENGTH	0	
SCVASNA	9	
SCVASNAP	5	08
SCVASNO	C	
SCVASNSD	5	10
SCVASNSQ	5	04
SCVASNUC	4	20
SCVASPRSSTRL	8	
SCVASPRSSTRLLEN	4	
SCVASPSA	4	40
SCVASRGN	4	04
SCVASSA	8	
SCVASSDP	5	20
SCVASSQA	4	10
SCVASSWA	5	40
SCVASSYMB	0	
SCVAST	0	
SCVASTRLIST	0	
SCVASTRLISTHD	0	
SCVASTRLISTID	2	
SCVASTRLISTLN	0	
SCVASTRT	4	01
SCVASWLM	6	02
SCVASXES	6	08
SCVASYM	D	80
SCVASYSL#	3	
SCVASYSLGRPNAME	4	
SCVASYSLHD	0	
SCVASYSLID	2	
SCVASYSLIST	0	
SCVASYSLLN	0	
SCVASYSLMEMNAME	C	
SCVASYSLSYS	4	
SCVASYSLSYSNAME	4	
SCVASYSLSYSTEMS	4	
SCVATDAD	3	20
SCVATDB	3	
SCVATDD	8	
SCVATDHD	0	
SCVATDID	2	
SCVATDLN	0	
SCVATDNO	4	
SCVATDRG	3	40
SCVATDST	3	80
SCVATDSY	3	10
SCVATRD	0	
SCVAVA	8	
SCVAWORK	0	
SCVAWORK#	3	
SCVAWORKENTRIES	4	
SCVAWORKHD	0	
SCVAWORKID	2	
SCVAWORKJ	8	
SCVAWORKJFIXED	4	
SCVAWORKJKEY	4	
SCVAWORKJLN	6	
SCVAWORKJOB	8	
SCVAWORKLN	0	

SCVT Programming Interface information

Programming Interface information

SCVT

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

- SCVTCCVT
- SCVTMCA

End of Programming Interface information

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SCVT Heading Information

Common Name: Secondary Communication Vector Table
Macro ID: IHASCVT
DSECT Name: SCVTSECT
Owning Component: Common Macros (SC101)
Eye-Catcher ID: None
Storage Attributes: Key: key 0
Residency: Nucleus
Size: 224 bytes
Created by: IEASCVT
Pointed to by: CVTABEND field of the CVT data area
Serialization: None required
Function: Used by non-nucleus-resident routines to refer to routines used by the Supervisor, by ABEND, and other program components.

SCVT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SCVTSECT	
0	(0)	ADDRESS	4	SCVTPGTM	"V(IEAQPGTM)" - ADDR OF EOT TIMER PURGE ROUTINE.
4	(4)	ADDRESS	4	SCVTPGWR	- ADDRESS OF WTO/WTOR RESOURCE MANAGER. INITIALLY CONTAINS ADDRESS OF BR 14. CHANGED TO IEECVPRG (MODULE IEAVMED2) BY COMMUNICATIONS TASK INITIALIZATION (IEAVVINT). MDC013
8	(8)	ADDRESS	4	SCVTDSPA	- ANCHOR FOR SYSTEM/370 SNA/DS DISTRIBUTION SERVICES PRODUCT.
12	(C)	SIGNED	2	SCVTBR14	- A BR 14 INSTRUCTION. RETURN TO CALLER
14	(E)	SIGNED	2	SCVTVLFC	- COUNT OF THE NUMBER OF TIMES VLF IS STARTED OWNERSHIP: VLF. SERIALIZATION: NONE
16	(10)	ADDRESS	4		- ** SCVTTERAS FIELD UNUSED IN OS/VS2 RELEASE 2 ** @(DCR560)
20	(14)	ADDRESS	4	SCVTBWTO	"V(IEABRWTO)" - ADDRESS OF BRANCH-ENTRY WTO AND WTOR. MUST BE ADDRESSABLE IN 24-BIT MODE.
24	(18)	ADDRESS	4	SCVTBDOM	"V(IEABRDOM)" - ADDRESS OF BRANCH-ENTRY DOM. MUST BE ADDRESSABLE IN 24-BIT MODE.
28	(1C)	ADDRESS	4	SCVTRMBR	"V(RMBRANCH)" - ADDR OF REGMAIN BRANCH ENTRY
32	(20)	ADDRESS	4	SCVTCHSI	- POINTER TO THE IOS CHANNEL SUBSYSTEM INFORMATION BLOCK
36	(24)	ADDRESS	4	SCVTRACE	- ADDR OF POINTER TO TRACE ROUTINE
40	(28)	ADDRESS	4	SCVTHSCS	- ADDRESS OF SLIH FOR HPPI EXTERNAL INTERRUPTS. OWNERSHIP: HPPI SOFTWARE.
44	(2C)	ADDRESS	4	SCVTSORM	- ADDRESS OF SDOM RESOURCE MANAGER (COFMSORM). OWNERSHIP: VLF. SERIALIZATION: NONE.
48	(30)	ADDRESS	4	SCVTLFRM	"V(FMBRANCH)" - LIST FORMAT FREEMAIN BRANCH ENT PT
52	(34)	ADDRESS	4	SCVTSDOB	- ADDRESS OF SHARED DATA OBJECT MANAGER BLOCK. OWNERSHIP: VLF. SERIALIZATION: CS.
56	(38)	ADDRESS	4	SCVTMCA	- ANCHOR FOR GLOBAL MVS MESSAGE SERVICE DATA AREA. OWNERSHIP: MVS MESSAGE SERVICE. SERIALIZATION: LOCAL AND CMS LOCKS.
60	(3C)	ADDRESS	4	SCVTNETV	- NETVIEW CONTROL STRUCTURE ANCHOR. OWNERSHIP: NETVIEW. SERIALIZATION: NONE.
64	(40)	ADDRESS	4	SCVTRPTR	- ADDR OF TRACE TABLE POINTERS YM2703
68	(44)	ADDRESS	4	SCVTGMBR	"V(GMBRANCH)" - LIST FORMAT GETMAIN BRANCH ENTRY POINT ICB445
72	(48)	ADDRESS	4	SCVTRG2	- ENTRY POINT ADDRESS OF IEAVTRG2, RTM2 24 BIT ADDRESSING MODE INTERFACE ROUTINE. @(DCR854)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
76	(4C)	ADDRESS	4	SCVTRG2B	- ADDRESS OF SECOND ENTRY POINT IN IEAVTRG2, RTM2 24 BIT ADDRESSING MODE INTERFACE ROUTINE. @(DCR854)
80	(50)	ADDRESS	4	SCVTRTXT	"V(IEECB867)" ADDRESS OF MODULE IEECB867. MODULE PROVIDES CALLER WITH THE MESSAGE TEXT ASSOCIATED WITH THE RETURN CODE PROVIDED BY SVC DUMP WHEN IT FAILED TO TAKE A DUMP. OWNERSHIP: SVC DUMP.
84	(54)	SIGNED	4	SCVTAMSP	- ADDRESS OF SYSTEM AVAILABILITY MANAGER(SAM) WHEN SAM IS ACTIVE OWNERSHIP: SAM SERIALIZATION: NONE
88	(58)	ADDRESS	4	SCVTASRS	"V(ASRGLTAB)" POINTER TO SYMPTOM RECORDS GLOBAL TABLE
92	(5C)	ADDRESS	4	SCVTSYMR	"V(ASRSERVM)" ADDRESS OF THE SYMREC RESOURCE MANAGER
96	(60)	ADDRESS	4	SCVTDOPX	"V(IEAVTRDX)" ADDRESS OF IEAVTRDX ROUTINE INVOKED BY SETRP WHEN DUMPOPX IS SPECIFIED OWNERSHIP: RTM
100	(64)	ADDRESS	4	SCVTCPLS	"V(IGVCPLST)" ADDRESS OF VSM CELL POOL LIST SERVICE. OWNERSHIP: VSM
104	(68)	ADDRESS	4	SCVTDIV	"V(ITVDIB)" POINTER TO THE DIV INFORMATION BLOCK
108	(6C)	ADDRESS	4	SCVTDIVM	"V(ITVGTERM)" POINTER TO THE DIV RESOURCE MANAGER
112	(70)	ADDRESS	4	SCVTCTR1	- RESERVED
116	(74)	ADDRESS	4	SCVTCTAB	- COMPONENT TRACE ANCHOR BLOCK. OWNERSHIP: COMPONENT TRACE. SERIALIZATION: ENQ/DEQ.
120	(78)	ADDRESS	4	SCVTRXLQ	- ADDR OF RECOVERY EXTENT LIST
124	(7C)	ADDRESS	4	SCVTCGT	- POINTER TO IHACGT SERIALIZATION: CS.
128	(80)	ADDRESS	4	SCVTJOPN	"V(IDAVJOPN)" ADDR OF THE IDAVJOPN RTN SERIALIZATION: N/A
132	(84)	ADDRESS	4	SCVTSVCT	"V(SVCTABLE)" - ORIGIN OF SVC TABLE MDC005
136	(88)	ADDRESS	4	SCVTSVCR	"V(IEAVSVCR)" - ADDRESS OF SVC UPDATE RECORDING TABLE
140	(8C)	ADDRESS	4	SCVTTQE	"V(IEATSELM)" - ADDR OF TSO SUBSYSTEM'S TQE
144	(90)	ADDRESS	4	SCVTTTRM	- TSO TASK TERMINATION RESOUCE MANAGER
148	(94)	ADDRESS	4	SCVTSTAT	"V(IGC07902)" - ADDR OF SVC STATUS ROUTINE ICB339
152	(98)	ADDRESS	4	SCVTQCBR	"V(QCBRANCH)" - BRANCH ENTRY POINT TO GETMAIN/ FREEMAIN QUICKCELL ROUTINE ICB339
156	(9C)	ADDRESS	4	SCVTVLFB	- VLF COMMON DATA BLOCK ADDRESS. OWNERSHIP: VLF. SERIALIZATION: CS.
160	(A0)	ADDRESS	4	SCVTHSCT	- ADDRESS OF HPPI SOFTWARE DATA AREA. OWNERSHIP: HPPI SOFTWARE.
164	(A4)	ADDRESS	4	SCVTPTRM	"V(IARGTERM)" - ADDRESS OF PAGING SUPERVISOR ROUTINE (IARGTERM) TO QUIESCE ASYNCHRONOUS OR SYNCHRONOUS PAGING-IN, FIX, OR MIGRATION REQUESTS.
168	(A8)	ADDRESS	4	SCVTDFCS	- ANCHOR FOR SMSX GLOBAL CONTROL STRUCTURE. OWNERSHIP: DFP SERIALIZATION: NONE
172	(AC)	ADDRESS	4	SCVTPIQE	"V(IEADQIQE)" - ADDR OF RESIDENT SUBROUTINE IN EOT TO REMOVE IQE'S FROM ASYNCHRONOUS EXIT QUEUE ICB378
176	(B0)	ADDRESS	4	SCVTGAMP	- POINTER TO GAM CONTROL BLOCKS. OWNERSHIP: GRAPHICS ACCESS METHOD (GAM). SERIALIZATION: COMPARE AND SWAP.
180	(B4)	ADDRESS	4	SCVTGAMS	- POINTER TO GAM SQA AREA. OWNERSHIP: GRAPHICS ACCESS METHOD (GAM). SERIALIZATION: COMPARE AND SWAP.
184	(B8)	ADDRESS	4	SCVTCCVT	- POINTER TO THE CRYPTOGRAPHY CVT. OWNERSHIP: INTEGRATED CRYPTOGRAPHIC SERVICE FACILITY/MVS (ICSF/MVS) SERIALIZATION: NONE.
188	(BC)	ADDRESS	4	SCVTDIS	"V(IEAVTDIS)" ENTRY POINT OF MEMTERM DISABLE/ENABLE SERVICE. OWNERSHIP: RTM. SERIALIZATION: N/A
192	(C0)	BITSTRING	8	SCVTR0C0	RESERVED.

SCVT Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
200	(C8)	ADDRESS	4	SCVTQOPN	"V(IGGQJOPN)" ADDR OF THE IGGQJOPN RTN SERIALIZATION: N/A
204	(CC)	ADDRESS	4	SCVTDLFB	- ANCHOR TO THE DLF CONTROL BLOCK OWNERSHIP: DLF. SERIALIZATION: CS.
208	(D0)	BITSTRING	16	SCVTR0D0	RESERVED.

SCVT Cross Reference

Name	Hex Offset	Hex Value
SCVTAMSP	54	0
SCVTASRS	58	
SCVTBDOM	18	
SCVTBR14	C	
SCVTBWTO	14	
SCVTCCVT	B8	
SCVTCGT	7C	
SCVTCHSI	20	
SCVTCPLS	64	
SCVTCTAB	74	
SCVTCTR1	70	
SCVTDFCS	A8	
SCVTDIS	BC	
SCVTDIV	68	
SCVTDIVM	6C	
SCVTDLFB	CC	
SCVTDOPX	60	
SCVTDSPA	8	
SCVTGAMP	B0	
SCVTGAMS	B4	
SCVTGMBR	44	
SCVTHSCS	28	
SCVTHSCT	A0	
SCVTJOPN	80	
SCVTLFRM	30	
SCVTMCA	38	
SCVTNETV	3C	
SCVTPGTM	0	
SCVTPGWR	4	
SCVTPIQE	AC	
SCVTPTRM	A4	
SCVTQCBR	98	
SCVTQOPN	C8	
SCVTRACE	24	
SCVTRG2	48	
SCVTRG2B	4C	
SCVTRMBR	1C	
SCVTRPTR	40	
SCVTRTXT	50	
SCVTRXLQ	78	
SCVTR0C0	C0	0
SCVTR0D0	D0	0
SCVTSDOB	34	
SCVTSECT	0	
SCVTSORM	2C	
SCVTSTAT	94	
SCVTSVCR	88	
SCVTSVCT	84	
SCVTSYMR	5C	
SCVTTQE	8C	
SCVTTTRM	90	
SCVTVLFB	9C	
SCVTVLFC	E	0

SCWA Heading Information

Common Name: Supervisor Control Work Area
Macro ID: IHASCWA
DSECT Name: SCWA, SCWA1, SCWA2
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: SCWA
Offset: 0
Length: 4
Storage Attributes: Subpool: 239
Key: 0
Residency: Above 16M
Size: 12288 bytes
Created by: IEAVNIP0, IEEVCPRA
Pointed to by: PSASCWA field of the PSA data area
WSACSCWA field of the WSAVT data area
Serialization: Disablement
Function: Generates mapping macro for the Supervisor Control Work Save Area. There is one SCWA per Processor. The programs which have save areas must serialize the usage of their respective areas. The save areas reside in fetch protected 31-bit storage.

SCWA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	4096	SCWA	SUPERVISOR CONTROL WORK AREA
0	(0)	CHARACTER	4	SCWASCWA	SCWA ACRONYM
4	(4)	BITSTRING	4	SCWFLAG	
4	(4)	BITSTRING	1	SCWFLAG1	FLAGS. SERIALIZED BY DISABLEMENT.
		1...		SCWSARP	IF THIS FLAG IS ON AT ENTRY TO IEAVESAR, IEAVESAR HAS BEEN RECURSIVELY ENTERED.
		.1..		SCWELKRF	IF THIS FLAG IS ON, THEN IEAVELKR WAS PROCESSING DUE TO BEING CALLED DIRECTLY BY RTM. IEAVESAR USES THIS FLAG TO PREVENT RECURSIVE ENTRY INTO IEAVELKR.
		..1.		SCWLCRVT	IF THIS FLAG IS ON, THEN IEAVELCR WAS UNABLE TO REFRESH THE PSAATCVT POINTER TO VTAM'S CVT. IEAVELCR USES THIS FLAG TO PREVENT FILLING LOGREC WITH REDUNDANT SOFTWARE ERROR RECORDS.
		...1		SCWEGR	IF THIS FLAG IS ON, THEN IEAVEGR PROCESSING IS ACTIVE. IEAVESAR USES THIS FLAG TO PREVENT RECURSIVE ENTRY INTO IEAVEGR.
		 1111		*	RESERVED.
5	(5)	BITSTRING	3	*	RESERVED.
8	(8)	CHARACTER	72	SCWEPC1	PROGRAM FLIH SAVE AREA 1
80	(50)	CHARACTER	72	SCWELK1	SPIN LOCK MGR SAVE AREA 1
152	(98)	CHARACTER	72	SCWELK2	SPIN LOCK MGR SAVE AREA 2
224	(E0)	CHARACTER	64	SCWELK3	SPIN LOCK MGR SAVE AREA 3
288	(120)	CHARACTER	72	SCWEPC3	PROGRAM FLIH SAVE AREA 3
360	(168)	CHARACTER	8	SCWEPST	POST XMSAVE AREA
368	(170)	CHARACTER	64	SCWFRLK1	FREE LOCK REGISTERS
432	(1B0)	CHARACTER	72	SCWESAR	SUPERVISOR ANALYSIS ROUTER SAVE AREA.
504	(1F8)	CHARACTER	72	SCWESAR2	SECOND LEVEL SAVE AREA TO BE PASSED FROM THE ROUTINES CALLED BY IEAVESAR TO THE ROUTINES THEY CALL.
576	(240)	CHARACTER	16	SCWUSRR	WORK AREA FOR USERRDY.

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Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
592	(250)	CHARACTER	40	SCWVQVPL	QVPL USED BY IEAVEVRR.
632	(278)	CHARACTER	72	SCWEPC2	PROGRAM FLIH SAVE AREA 2
704	(2C0)	CHARACTER	128	SCWSIGP	IPC/IEAVESGP SAVE AREA
832	(340)	CHARACTER	96	SCWEDR	IPC/IEAVEDR SAVE AREA
928	(3A0)	CHARACTER	64	SCWELK4	WORK AREA FOR LOCK MANAGER (IEAVELK) - INCLUDES AREA FOR EXCESSIVE SPIN ROUTINE PARAMETER LIST
992	(3E0)	CHARACTER	56	SCWEINT	WORK AREA FOR INTERSECT SPIN ROUTINE (IEAVEINT) - INCLUDES AREA FOR EXCESSIVE SPIN ROUTINE PARAMETER LIST
1048	(418)	CHARACTER	160	SCWEES	IPC/IEAVEES SAVE AREA
1208	(4B8)	CHARACTER	104	SCWERP	IPC/IEAVERP1 SAVE AREA
1312	(520)	CHARACTER	112	SCWEXS	IPC/IEAVEXS SAVE AREA
1424	(590)	CHARACTER	64	SCWSARWA	TEMPORARY WORKAREA FOR IEAVESAR AND THE ROUTINES WHICH RUN UNDER ITS CONTROL.
1488	(5D0)	CHARACTER	8	SCWSARPA	SUPERVISOR ANALYSIS ROUTER PARAMETER AREA.
1496	(5D8)	ADDRESS	4	SCWA1PTR	POINTER TO SCWA1
1500	(5DC)	ADDRESS	4	SCWA2PTR	POINTER TO SCWA2
1504	(5E0)	CHARACTER	16	SCWR5E0	RESERVED FOR FUTURE SCWA POINTERS
1520	(5F0)	CHARACTER	40	SCWESVR	WORKAREA FOR SVC FLIH RECOVERY (IEAVESVR)
1560	(618)	CHARACTER	72	SCWESVR1	SAVEAREA FOR SVC FLIH RECOVERY (IEAVESVR)
1632	(660)	CHARACTER	72	SCWEGRSV	SAVEAREA FOR GLOBAL RECOVERY (IEAVEGR)
1704	(6A8)	CHARACTER	72	SCWVJST	SAVEAREA PASSED TO VECTOR JOB STEP TIMING (IEAVVJST) BY JOB STEP TIMING (IEAVEJST)
1776	(6F0)	CHARACTER	496	SCWVSLIH	SAVEAREA FOR VECTOR SLIH (IEAVEVS)
2272	(8E0)	CHARACTER	216	SCWESRT	STOP/RESET SAVE AREA
2488	(9B8)	CHARACTER	88	SCWEBBR	WORK AREA FOR BIND BREAK (IEAVEBBR) INCLUDES AREA FOR EXCESSIVE SPIN ROUTINE PARAMETER LIST
2576	(A10)	CHARACTER	200	SCWERI	IPC/IEAVERI1 SAVE AREA
2776	(AD8)	CHARACTER	72	SCWELSM	GPR SAVE AREA USED WHEN CALLING LINKAGE STACK SERVICES
2848	(B20)	CHARACTER	72	SCWELSL	GPR SAVE AREA USED WHEN CALLING IEAVLSLC.
2920	(B68)	CHARACTER	72	SCWXAPM	GPR SAVE AREA USED BY IEAVEDS0 AND IEAVETCL WHEN CALLING IEAVXAPM.
2992	(BB0)	CHARACTER	120	SCWESTA	IEAVESTA WORK AREA
3112	(C28)	CHARACTER	344	SCWESLK1	SUSPEND LOCK MANAGER WORK AREA
3456	(D80)	CHARACTER	512	SCWELSIH	WORK AREA FOR IEAVLSIH
3968	(F80)	CHARACTER	8	SCWSGNL	WORK AREA FOR STATUS SIGNAL ROUTINE
3976	(F88)	CHARACTER	80	SCWESPN	SAVE AREA FOR IEAVESPN. Also contains room for saving registers by invoker of SPINLOOP.
4056	(FD8)	CHARACTER	40	SCWRFD8	RESERVED
4096	(1000)	CHARACTER	0	SCWEND	END OF SCWA

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	4096	SCWA1	SCWA EXTENSION
0	(0)	CHARACTER	400	SCW1LSWA	WORK AREA FOR IEAVLSLO, IEAVLSLR, IEAVLSGO, IEAVLSGR, IEAVLSIO, IEAVLSIR.
400	(190)	CHARACTER	256	SCW1LSLC	WORK AREA FOR IEAVLSLC
656	(290)	CHARACTER	256	SCW1R290	Reserved
912	(390)	CHARACTER	200	SCW1TTKN	WORK AREA FOR IEAVTTKN
1112	(458)	CHARACTER	384	SCW1R458	RESERVED
1496	(5D8)	CHARACTER	64	SCW1ELK5	IEAVELK RECURSIVE SAVE AREA.
1560	(618)	CHARACTER	160	SCW1ELKB	WORKAREA FOR IEAVELKB
1720	(6B8)	CHARACTER	72	SCW1ESPM	SAVEAREA FOR SRB POOL MANAGER (IEAVESPM)
1792	(700)	CHARACTER	384	SCW1SSWA	WORK AREA FOR IEAVSRBR AND IEAVSRBP.
2176	(880)	CHARACTER	256	SCW1ENTE	IEAVENTE work area
2432	(980)	CHARACTER	512	SCW1AFS	WORK AREA FOR IEAVEAFS AND IEAVASRB.
2944	(B80)	CHARACTER	40	SCW1CPUF	WORK AREA FOR IEAVCPUF.
2984	(BA8)	CHARACTER	72	SCW1EPC4	PROGRAM FLIH SAVE AREA 4
3056	(BF0)	CHARACTER	104	SCW1ESAR	WORK AREA FOR IEAVESAR.
3160	(C58)	CHARACTER	480	SCW1RC58	RESERVED
3640	(E38)	CHARACTER	384	SCW1SETS	WORK AREA FOR IEAVSETS

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
4024	(FB8)	CHARACTER	72	SCW1SYSE	SAVE AREA FOR USERRDY SYSEVENT
4096	(1000)	CHARACTER	0	SCW1END	END OF SCWA1

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	6968	SCWA2	SCWA EXTENSION.
0	(0)	CHARACTER	72	SCW2WBCH	SAVE AREA FOR IEAVWBCH
72	(48)	CHARACTER	72	SCW2SRBX	SAVE AREA FOR IEAMSRBX
144	(90)	CHARACTER	72	SCW2ESC0	SAVE AREA FOR IEAVESC0
216	(D8)	CHARACTER	256	SCW2ESPN	WORK AREA FOR IEAVESPN
472	(1D8)	CHARACTER	72	SCW2ESLK	SAVE AREA FOR IEAVESLK
544	(220)	CHARACTER	256	SCW2WPM	SAVE AREA FOR IEAVWPM
800	(320)	CHARACTER	72	SCW2ESC5	SAVE AREA FOR IEAVESC5
872	(368)	CHARACTER	896	SCW2SCHW	WORK AREA FOR IEAVSCHA
1768	(6E8)	CHARACTER	640	SCW2SRBM	WORK AREA FOR IEAVSRBF AND IEAVSRBO.
2408	(968)	CHARACTER	64	SCW2EPDR	SAVE AREA FOR USE BY IEAVEPDR WHEN CALLING IEAVEDSR
2472	(9A8)	CHARACTER	960	SCW2EDSR	WORK AREA FOR IEAVEDSR
3432	(D68)	CHARACTER	464	SCW2CHAP	WORK AREA FOR IEAVEAC0
3896	(F38)	CHARACTER	3072	SCW2FPS	WORK AREA FOR IEAVEFPS
6968	(1B38)	CHARACTER	0	SCW2END	END OF SCWA2

SCWA Cross Reference

Name	Hex Offset	Hex Value
SCWA	0	
SCWASCWA	0	
SCWA1	0	
SCWA1PTR	5D8	
SCWA2	0	
SCWA2PTR	5DC	
SCWEBBR	9B8	
SCWEDR	340	
SCWEES	418	
SCWEGR	4	10
SCWEGRSV	660	
SCWEINT	3E0	
SCWELKRF	4	40
SCWELK1	50	
SCWELK2	98	
SCWELK3	E0	
SCWELK4	3A0	
SCWELSIH	D80	
SCWELSL	B20	
SCWELSM	AD8	
SCWEND	1000	
SCWEPC1	8	
SCWEPC2	278	
SCWEPC3	120	
SCWEPST	168	
SCWERI	A10	
SCWERP	4B8	
SCWESAR	1B0	
SCWESAR2	1F8	
SCWESLK1	C28	
SCWESPN	F88	
SCWESRT	8E0	
SCWESTA	BB0	
SCWESVR	5F0	
SCWESVR1	618	
SCWEXS	520	
SCWFLAG	4	
SCWFLAG1	4	
SCWFRLK1	170	
SCWLCRVT	4	20
SCWRFD8	FD8	
SCWR5E0	5E0	
SCWSARP	4	80
SCWSARPA	5D0	
SCWSARWA	590	
SCWSGNL	F80	
SCWSIGP	2C0	
SCWUSRR	240	
SCWVJST	6A8	
SCWVQVPL	250	
SCWVSLIH	6F0	
SCWXAPM	B68	
SCW1AFS	980	
SCW1CPUF	B80	
SCW1ELKB	618	
SCW1ELK5	5D8	
SCW1END	1000	
SCW1ENTE	880	
SCW1EPC4	BA8	
SCW1ESAR	BF0	
SCW1ESPM	6B8	
SCW1LSLC	190	
SCW1LSWA	0	
SCW1RC58	C58	
SCW1R290	290	
SCW1R458	458	
SCW1SETS	E38	
SCW1SSWA	700	
SCW1SYSE	FB8	
SCW1TTKN	390	
SCW2CHAP	D68	
SCW2EDSR	9A8	

SCWA Cross Reference

Name	Hex Offset	Hex Value
SCW2END	1B38	
SCW2EPDR	968	
SCW2ESC0	90	
SCW2ESC5	320	
SCW2ESLK	1D8	
SCW2ESPN	D8	
SCW2FPS	F38	
SCW2SCHW	368	
SCW2SRBM	6E8	
SCW2SRBX	48	
SCW2WBCH	0	
SCW2WPM	220	

SDDSQ Heading Information

Common Name: SDUMP DUMP DATA SET QUEUE
Macro ID: IHASDDSQ
DSECT Name: SDDSQ
Owning Component: SVC Dump (SCDMP)
Eye-Catcher ID: SDDS
Offset: 0
Length: 4
Storage Attributes: Main Storage: One per dump dataset
Subpool: 245
Key: 0
Residency: Above 16M
Size: DECIMAL 96, X'60' BYTES
Created by: IEECB926
Pointed to by: RTCTSDDS
SDDSQFWD
SDDSQBWD
Serialization: THE SDDSQ IS USED BY SDUMP, THE DUMPDS OPERATOR COMMAND AND THE DISPLAY DUMP OPERATOR COMMAND. THE ENTIRE SDDSQ IS SERIALIZED BETWEEN DUMPDS AND DISPLAY DUMP BY WAY OF ENQ ON (SYSIEA01 DMPDSENQ). SERIALIZATION BETWEEN SDUMP AND DUMPDS IS DONE ON A QUEUE ELEMENT BASIS BY WAY OF COMPARE AND SWAP ON THE SDDSQCS BIT.
Function: MAPS EACH ENTRY IN THE DUMP DATA SET QUEUE.

SDDSQ Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	96	SDDSQ	SDUMP DUMP DATA SET QUEUE
0	(0)	CHARACTER	4	SDDSQID	IDENTIFER=SDDS
4	(4)	ADDRESS	4	SDDSQFWD	POINTER TO NEXT ELEMENT - ZERO IF THIS IS THE LAST ENTRY
8	(8)	ADDRESS	4	SDDSQBWD	POINTER TO LAST ELEMENT - ZERO IF THIS IS THE FIRST ENTRY.
12	(C)	CHARACTER	4	SDDSQLWD	WORD USED IN COMPARE AND SWAP LOGIC TO SERIALIZE SDDSQ ENTRIES.
12	(C)	CHARACTER	3	SDDSQDSN	DUMP DATA SET NAME. A 2 EBCDIC DIGIT DASD DUMP DATA SET NUMBER.
12	(C)	CHARACTER	2	SDDSQDAN	DASD DUMP DATA SET NUMBER
14	(E)	CHARACTER	1	SDDSQBLN	BLANK TO FOLLOW DASD NAME
15	(F)	BITSTRING	1	SDDSQCTL	LOCK BITS
		1...		SDDSQCS	COMPARE AND SWAP BIT TURNED ON BY SDUMP OR DUMPDS WHEN THE SERIAL USE OF THE DUMP DATA SET IS REQUIRED.
		.1..		SDDSQBAD	1 - SDDSQ ENTRY IS BAD AND SHOULD NOT BE USED. SET BY IEAVTSDR TO TELL IEECB926 TO DELETE THIS SDDSQ ENTRY.
16	(10)	BITSTRING	1	SDDSQFLG	FLAGS
		1...		SDDSQDDS	DUMP DATA SET STATUS. 1 - FULL 0 - EMPTY
		.1..		SDDSQDYN	Automatic Allocation Dataset. 1 - Automatically allocated, 0 - Pre-allocated
		..1.		SDDSQRSC	Automatic Allocation Resource
		...1 1111		*	UNUSED
17	(11)	UNSIGNED	1	SDDSQTRKCALCBKS	As determined by TRKCALC
18	(12)	UNSIGNED	1	SDDSQNMB	DASD DATA SET NUMBER IN HEX

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Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
19	(13)	UNSIGNED	1	SDDSQBKS	Number of records in one block
20	(14)	UNSIGNED	1	SDDSQNCPLEVEL	NCP level for BSAM
21	(15)	CHARACTER	3	*	UNUSED
24	(18)	CHARACTER	4	*	UNUSED
28	(1C)	CHARACTER	8	SDDSQDDN	DDNAME GENERATED BY THE DYNAMIC ALLOCATION OF THE DUMP DATA SET IN DUMPDS PROCESSING. THE ALLOCATION IS ALWAYS TO THE IEECB926 TASK IN THE DUMPSRV ADDRESS SPACE
36	(24)	SIGNED	4	SDDSQDOM	MESSAGE ID FOR DOM OF IEA911E
40	(28)	CHARACTER	2	*	Unused
42	(2A)	UNSIGNED	1	SDDSQRESOURCETYPE	Type of automatic allocation resource - valid if SDDSQRSC=1
43	(2B)	UNSIGNED	1	SDDSQDSNAMELENGTH	Dataset name length
44	(2C)	CHARACTER	44	SDDSQDSNAME	Full dataset name
44	(2C)	CHARACTER	9	* (3)	Array of class types
44	(2C)	UNSIGNED	1	SDDSQRESOURCENAMELENGTH	Length of automatic allocation resource name - valid if SDDSQRSC=1
45	(2D)	CHARACTER	8	SDDSQRESOURCENAME	Name of automatic allocation resource - valid if SDDSQRSC=1
88	(58)	CHARACTER	8	*	UNUSED.

SDDSQ Constants

Len	Type	Value	Name	Description
4	DECIMAL	100	SDDSQMAX	MAXIMUM NUMBER OF DUMP DATA SETS ALLOWED ON THE SDDSQ
4	DECIMAL	1	SDDSQSMS	Automatic allocation resource is an SMS storage class
4	DECIMAL	2	SDDSQVOL	Automatic allocation resource is a DASD volume serial number
4	DECIMAL	0	SDDSQNOCLASS	Index not identified
4	DECIMAL	1	SDDSQDATACLASS	Index of data class
4	DECIMAL	2	SDDSQMGMTCLASS	Index of management class
4	DECIMAL	3	SDDSQSTORCLASS	Index of storage class
4	DECIMAL	3	SDDSQVOLCLASS	Index of volume 'class'
4	DECIMAL	3	SDDSQMAXCLASS	Maximum class index

SDDSQ Cross Reference

Name	Hex Offset	Hex Value
SDDSQ	0	
SDDSQBAD	F	40
SDDSQBKS	13	
SDDSQBLN	E	
SDDSQBWD	8	
SDDSQCS	F	80
SDDSQCTL	F	
SDDSQDAN	C	
SDDSQDDN	1C	
SDDSQDDS	10	80
SDDSQDOM	24	
SDDSQDSN	C	
SDDSQDSNAME	2C	
SDDSQDSNAMELENGTH		
	2B	
SDDSQDYN	10	40
SDDSQFLG	10	
SDDSQFWD	4	
SDDSQID	0	
SDDSQLWD	C	
SDDSQNCPLEVEL		
	14	
SDDSQNMB	12	
SDDSQRESOURCENAME		
	2D	
SDDSQRESOURCENAMELENGTH		
	2C	
SDDSQRESOURCETYPE		

Name	Hex Offset	Hex Value
	2A	
SDDSQRSC	10	20
SDDSQTRKCALCBKS	11	

SDEPL Programming Interface information

Programming Interface information

SDEPL

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

- SDEPLDSP

End of Programming Interface information

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SDEPL Heading Information

Common Name: SDUMP POST EXIT PARAMETER LIST
Macro ID: IHASDEPL
DSECT Name: SDEPL
Owning Component: SVC DUMP (SCDMP)
Eye-Catcher ID: SDEP
Offset: X'0'
Length: 4
Storage Attributes: Subpool: 252
Key: 0
Residency: BELOW THE 16M LINE
Size: 64 bytes
Created by: IEAVTSEP
Pointed to by: REGISTER 1 CONTAINS POINTER TO ADDRESS OF SDEPL
ON ENTRY TO POST DUMP EXITS CONTAINS ADDRESS
Serialization: NONE
Function: THIS MACRO IS THE MAPPING FOR THE SDUMP POST EXIT PARAMETER LIST BUILT BY IEAVTSEP AND PASSED TO USER WRITTEN AND IBM SUPPLIED POST DUMP EXITS.

SDEPL Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SDEPL	
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"
0	(0)	CHARACTER	4	SDEPLCHA	EBCDIC IDENTIFIER
4	(4)	BITSTRING	1	SDEPLFLG	EXIT STATUS FLAGS
		1...		SDEPLEXE	"BIT0" BIT ON - ERROR OCCURRED IN PRECEDING EXIT
		.1..		SDEPLERR	"BIT1" BIT ON - ERROR OCCURRED IN ANY PREVIOUS EXIT
		..1.		SDEPLNOD	"BIT2" BIT ON - NO DUMP WAS TAKEN
5	(5)	CHARACTER	3	SDEPLRES	RESERVED
8	(8)	SIGNED	4	SDEPLHD	ADDRESS OF THE DUMP HEADER RECORD MAPPED BY THE AMDDATA MAPPING MACRO
12	(C)	SIGNED	4	SDEPLWA	ADDRESS OF EXIT WORK AREA (200 DECIMAL BYTES IN LENGTH)
16	(10)	SIGNED	4	SDEPLEXT	ADDRESS OF EXIT INTERFACE AREA
20	(14)	SIGNED	4	SDEPLEXL	LENGTH OF EXIT INTERFACE AREA
24	(18)	SIGNED	4	SDEPLDSP	POINTER TO THE DSPD
28	(1C)	CHARACTER	8	SDEPLJOB	Jobname requesting dump
36	(24)	CHARACTER	28		Reserved

SDEPL Cross Reference

Name	Hex Offset	Hex Value
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
SDEPL	0	
SDEPLCHA	0	
SDEPLDSP	18	
SDEPLERR	4	40
SDEPLEXE	4	80
SDEPLEXL	14	
SDEPLEXT	10	
SDEPLFLG	4	
SDEPLHD	8	
SDEPLJOB	1C	
SDEPLNOD	4	20
SDEPLRES	5	
SDEPLWA	C	

SDIR Heading Information

Common Name: VSM SQAT Directory
Macro ID: IGVSDIR
DSECT Name: SDIR
Owning Component: Virtual Storage Manager (SC1CH)
Subpool and Key: Nucleus
Size: 40 bytes
Created by: N/A
Pointed to by: vcon(IGVTSDIR)
Serialization: None
Function: Directory for SQA SQATs and LSQA SQAT templates.

SDIR Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	56	SDIR	SQAT TABLE DIRECTORY
0	(0)	ADDRESS	4	SDIR226	ADDRESS OF 226 SQAT
4	(4)	ADDRESS	4	SDIRE226	ADDRESS OF EXTENDED 226 SQAT
8	(8)	ADDRESS	4	SDIR239	ADDRESS OF 239 SQAT
12	(C)	ADDRESS	4	SDIRE239	ADDRESS OF EXTENDED 239 SQAT
16	(10)	ADDRESS	4	SDIR245	ADDRESS OF 245 SQAT
20	(14)	ADDRESS	4	SDIRE245	ADDRESS OF EXTENDED 245 SQAT
24	(18)	ADDRESS	4	SDIR247	ADDRESS OF 247 SQAT
28	(1C)	ADDRESS	4	SDIRE247	ADDRESS OF E247 SQAT
32	(20)	ADDRESS	4	SDIR248	ADDRESS OF 248 SQAT
36	(24)	ADDRESS	4	SDIRE248	ADDRESS OF E248 SQAT
40	(28)	ADDRESS	4	SDIR255	ADDRESS OF 255 SQAT
44	(2C)	ADDRESS	4	SDIRE255	ADDRESS OF EXTENDED 255 SQAT
48	(30)	SIGNED	4	SDIRGLBL	MINIMUM NUMBER OF DUMMY DFES FOR SQA
52	(34)	SIGNED	4	SDIRLOCL	MINIMUM NUMBER OF DUMMY DFES FOR LSQA
56	(38)	CHARACTER	0	SDIREND	END OF SDIR MAP

SDIR Cross Reference

Name	Hex Offset	Hex Value
SDIR	0	
SDIREND	38	
SDIRE226	4	
SDIRE239	C	
SDIRE245	14	
SDIRE247	1C	
SDIRE248	24	
SDIRE255	2C	
SDIRGLBL	30	
SDIRLOCL	34	
SDIR226	0	
SDIR239	8	
SDIR245	10	
SDIR247	18	
SDIR248	20	
SDIR255	28	

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SDMPX Heading Information

Common Name: SDUMP PARAMETER LIST
Macro ID: IHASDMPX
DSECT Name: SDUMP
Owning Component: SVC Dump (SCDMP)
Eye-Catcher ID: None
Storage Attributes: Main Storage: One per dump request
Subpool: Any
Key: Any
Residency: Any
Size: DECIMAL 112, X'70' IF PLVER=1 OR NOT SPECIFIED
DECIMAL 128, X'80' IF PLVER=2
DECIMAL 184, X'B8' IF PLVER=3
Created by: IEECB866 and other dump requestors
Pointed to by: R1 on entry to IEAVAD00 and IEAVTSDX
RTCTSDPL for dump in progress
Serialization: CS on RTCTSDPL
Function: THIS IS THE MAPPING FOR THE PARAMETER LIST
PRODUCED BY ALL FORMS OF THE SDUMPX MACRO.

SDMPX Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	184	SDUMP	
0	(0)	CHARACTER	1	SDUFLAG0	FIRST BYTE OF FLAGS
		1...		SDUDCB	1=USER SUPPLIED DCB 0=USE A SYS1.DUMP DATA SET
		.1..		SDUBUF	1=DUMP 4K SQA BUFFER 0=BYPASS 4K SQA BUFFER
		..1.		SDUSTOR	1=STORAGE LIST SPECIFIED 0=NO STORAGE LIST
		...1		SDUHDR	1=USER DATA SPECIFIED 0=NO USER DATA
		.... 1...		SDUECB	1=ECB SPECIFIED 0=ECB NOT SPECIFIED
		.... .1..		SDUASID	1=SCHEDULE DUMP REQUEST ASID SPECIFIED 0= ASID NOT SPECIFIED
		.... ..1.		SDUQUIET	1=SET SYSTEM NON-DISPATCHABLE WHILE DUMPING GLOBAL STORAGE 0=MAINTAIN CURRENT SYSTEM STATUS
		1		SDUBRANH	1=BRANCH ENTRY 0=SVC 51 ENTRY
1	(1)	CHARACTER	1	SDUFLAG1	SECOND BYTE OF FLAGS
		1...		SDUDTYPE	1=SVC DUMP REQUEST
		1...		DUMPTYPE	1=SVC DUMP REQUEST
		.1..		SDUABEND	1=SYSMDUMP REQUEST
		..1.		SDUNEW	1=ENHANCED SVC DUMP REQ
		...1		SDUASLST	1=ASIDLST SPECIFIED
		.... 1...		SDUSULST	1=SUMLIST SPECIFIED
		.... .1..		SDUIGNCD	1=IGNORE CHNGDUMP PARAMETERS
		.... ..1.		SDUTSOXT	1=TSO USER EXTENSION IS PRESENT
		1		SDUSE3P	1=JBB1226 PARMLIST
2	(2)	CHARACTER	2	SDUSDATA	SDATA OPTION FLAGS
2	(2)	CHARACTER	1	SDUSDAT1	1ST BYTE OF OPTIONS
		1...		SDUALPSA	DUMP ALL PSA'S
		.1..		SDUPSA	DUMP CURRENT PSA
		..1.		SDUNUC	DUMP THE NUCLEUS
		...1		SDUSQA	DUMP SQA
		.... 1...		SDULSQA	DUMP LSQA
		.... .1..		SDURGN	DUMP RGN-PRIVATE AREA
		.... ..1.		SDULPA	DUMP LPA MOD. FOR RGN
		1		SDUTRT	DUMP TRACE DATA
3	(3)	CHARACTER	1	SDUSDAT2	SECOND BYTE SDATA FLGS

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		SDUCSA	DUMP CSA
		.1..		SDUSWA	DUMP SWA
		..1.		SDUSMDMP	DUMP SUMMARY DUMP DATA
		...1		SDUNSMDP	DON'T DUMP SUMMARY DUMP
		.... 1...		SDUNAPSA	DO NOT DUMP ALL PSA
		.... .1..		SDUNASQA	DO NOT DUMP SQA
		.... ..1.		SDUALNUC	DUMP ALL NUCLEUS
		1		SDUDEFS	DEFAULTS
4	(4)	ADDRESS	4	SDUDCBAD	ADDRESS USER SUPPLIED DCB
8	(8)	ADDRESS	4	SDUSTORA	ADDRESS OF STORAGE LIST
12	(C)	ADDRESS	4	SDUHDRAD	ADDRESS OF USER DATA
16	(10)	ADDRESS	4	SDUECBAD	ADDRESS USER SUPPLIED ECB
16	(10)	ADDRESS	4	SDUSRBAD	SRB
20	(14)	CHARACTER	4	SDUMASID	
20	(14)	UNSIGNED	2	SDUCASID	CALLER'S ASID
22	(16)	UNSIGNED	2	SDUTASID	TARGET ASID OF SCHEDULE DUMP
24	(18)	ADDRESS	4	SDUASIDP	ADDRESS CALLERS ASIDLIST
28	(1C)	ADDRESS	4	SDUSUMLP	ADDRESS CALLERS SUMLIST
32	(20)	CHARACTER	8	SDUTUSID	TSO USER ID ASSOCIATED WITH THIS DUMP
32	(20)	ADDRESS	4	SDUSDDAT	ADDRESS OF SVC DUMP DATA AREAS MAPPED BY IHASDDAT - SET ON SYSMDUMP PATH ONLY
36	(24)	ADDRESS	4	SDUTDDAT	Transaction dump data area addr. Mapped by IHATDDAT. Set for transaction dumps only
40	(28)	CHARACTER	1	SDUFLAG2	BYTE OF SDUMP CONTROL FLAGS
		1...		SDULISTA	1=LISTA PARAMETER SPECIFIED
		.1..		SDUSLSTA	1=SUMLSTA KEYWORD SPECIFIED
		..1.		SDUSPEND	1= SUSPEND=YES SPECIFIED
		...1		SDUSUBPL	1=SUBPLST KEYWORD SPECIFIED
		.... 1...		SDUKEYS	1=KEYLIST KEYWORD SPECIFIED
		.... .1..		SDUAUTH	1=TRT REQUESTED FOR AN AUTHORIZED SYSMDUMP USER.
		.... ..1.		SDULSTD	LISTD
		1		SDUSLL	SUMLISTL
41	(29)	CHARACTER	1	SDUCNTL1	CONTROL FLAGS FOR IDENTIFYING NEW RELEASES OF SDUMP MACRO
		1...		SDUSP21	1=RELEASE HBB2102 PARMLIST
		.1..		SDUVRSNB	1=VERSION NUMBER PRESENT
		..1.		SDUPSWR	1=PSWREGS AREA SPECIFIED
		...1		SDUSYMR	1=SYMREC SPECIFIED
		.... 1...		SDUID	1=ID IS SPECIFIED
		.... .1..		SDUWRITE	1=ECB IS TO BE POSTED OR SRB SCHEDULED AFTER THE WRITE PHASE HAS COMPLETED 0=(DEFAULT) ECB IS TO BE POSTED OR SRB SCHEDULED AFTER THE CAPTURE PHASE HAS COMPLETED
		.... ..1.		SDUSTREQ	1=STRLIST SPECIFIED
		1		SDUSRB	
42	(2A)	CHARACTER	1	SDUTYPE	SPECIFIED TYPE PARAMETERS
42	(2A)	CHARACTER	1	SDUTYP1	FIRST BYTE OF TYPE OPTIONS
		1...		SDUTYPXM	1=TYPE XMEM SPECIFIED
		.1..		SDUTPXME	1=TYPE XMEME SPECIFIED
		..1.		SDUTPNOL	1=TYPE NOLOCAL SPECIFIED
		...1		SDUTPFRC	1=TYPE FAILRC SPECIFIED
		.... 111.		*	RESERVED
		1		SDUREMOT	Remote SDUMP
43	(2B)	BITSTRING	1	SDUVERSN	VERSION ID, 1=SP3.1.0 2=MDUMP, 3=SP5.1.0
44	(2C)	CHARACTER	4	SDUSDTA2	EXTENDED SDATA OPTIONS
44	(2C)	CHARACTER	2	SDUEXIT	SDATA OPTIONS EXIT ROUTINES
44	(2C)	CHARACTER	1	SDUEDAT1	SDATA OPTIONS FOR SUPPORTED COMPONENT EXIT ROUTINES
		1...		SDUGRSQ	GRSQ COMPONENT EXIT SPECIFIED
		.1..		SDUMSTRC	1=MASTER TRACE AND GTF GLOBAL EXITS TO GET CONTROL
		..1.		SDUSMSX	SMSX LOCAL EXIT
		...1		SDUCOUPL	SDATA COUPLE OPTIONS SPECIFIED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		.... 1...		SDUXES	SDATA XESDATA OPTION SPECIFIED
		.... .1..		SDUIOEX	1=IOS EXIT TO GET CONTROL
		.... ..1.		SDUWLM	1=WLM EXIT TO GET CONTROL
		1		SDURSM	1=RSM EXIT TO GET CONTROL
45	(2D)	CHARACTER	1	SDUEDAT2	2ND BYTE OF DUMP EXITS
		1...		SDUSLIP	1=SLIP EXIT TO GET CONTROL
		.1..		SDUOPENE	1=OE EXIT TO GET CONTROL
		..1.		SDUTSVCD	1=Tailored SVC Dump was specified
		Comment			
		ADDITIONAL SDUMP EXITS SHOULD BE ADDED BEFORE THIS COMMENT AND THE FOLLOWING RESERVED BIT COUNT DECREMENTED.			
		End of Comment			
		...1 1111		*	RESERVED
46	(2E)	BITSTRING	1	SDUSDAT3	RESERVED FOR SDATA OPTIONS
		1...		SDUNODEF	1=NODEFAULTS SDATA OPTION SPECIFIED
		.1..		SDUIO	1=IODATA INCLUDED IN DUMP
47	(2F)	BITSTRING	1	SDUSDAT4	RESERVED FOR SDATA OPTIONS
48	(30)	ADDRESS	4	SDUSPLST	SUBPOOL LIST ADDRESS
52	(34)	ADDRESS	4	SDUKYLST	KEY LIST ADDRESS
56	(38)	ADDRESS	4	SDURGPSA	POINTER TO SLIP REGS AND PSW TO BE PLACED IN THE DUMP HEADER RECORD.
60	(3C)	SIGNED	4	SDUDCBA	ALET FOR DCB PARAMETER
64	(40)	SIGNED	4	SDUSTRAL	ALET FOR STORAGE PARAMETER
68	(44)	SIGNED	4	SDUHDRA	ALET FOR HDR PARAMETER
72	(48)	SIGNED	4	SDUASDLA	ALET FOR ASIDLIST PARAMETER
76	(4C)	SIGNED	4	SDUSMLA	ALET FOR SUMLIST PARAMETER
80	(50)	SIGNED	4	SDUSBPLA	ALET FOR SUBPLIST PARAMETER
84	(54)	SIGNED	4	SDUKEYLA	ALET FOR KEYLIST PARAMETER
88	(58)	ADDRESS	4	SDULSTDP	LISTD or LIST64 Address
92	(5C)	SIGNED	4	SDULSTDA	ALET FOR LISTD or LIST64 Parm
96	(60)	ADDRESS	4	SDUSMLLP	SUMLISTL or SUMLST64 Address
100	(64)	SIGNED	4	SDUSMLLA	ALET FOR SUMLISTL or SUMLST64
104	(68)	ADDRESS	4	SDUPSWRP	PSWREGS AREA ADDRESS
108	(6C)	SIGNED	4	SDUPSWRA	PSWREGS AREA ALET
112	(70)	ADDRESS	4	SDUSYMAD	SYMREC ADDRESS
116	(74)	SIGNED	4	SDUSYMA	SYMREC ALET
120	(78)	ADDRESS	4	SDUIDAD	ID ADDRESS
124	(7C)	SIGNED	4	SDUIDA	ID ALET
128	(80)	ADDRESS	4	SDUSLADR	ADDRESS OF USER SUPPLIED STRLIST
132	(84)	SIGNED	4	SDUSLALT	ALET OF USER SUPPLIED STRLIST
136	(88)	ADDRESS	4	SDUITADR	Address of user-supplied Incident Token
140	(8C)	SIGNED	4	SDUITALT	ALET of user-supplied Incident Token
144	(90)	ADDRESS	4	SDURMADR	Address of user-supplied REMOTE information
148	(94)	SIGNED	4	SDURMALT	ALET of user-supplied REMOTE Information
152	(98)	ADDRESS	4	SDUPDADR	Address of user-supplied problem description information
156	(9C)	SIGNED	4	SDUPDALT	ALET of user-supplied problem description information
160	(A0)	ADDRESS	4	SDUJLADR	Address of user-supplied JOBLIST information
164	(A4)	SIGNED	4	SDUJLALT	ALET of user-supplied JOBLIST information
168	(A8)	ADDRESS	4	SDUDLADR	Address of user-supplied DSPLIST information
172	(AC)	SIGNED	4	SDUDLALT	ALET of user-supplied DSPLIST information
176	(B0)	CHARACTER	1	SDUFLAG3	BYTE FOR SDUMP CONTROL FLAGS
		1...		SDULST64	1=LIST64 in SDULSTDP and SDULSTDA
		.1..		SDUSL64	1=SUMLST64 in SDUSMLLP and SDUSMLLA
		..1.		SDUCMD	SDUMPX was invoked by DUMP command
177	(B1)	CHARACTER	7	*	RESERVED

SDMPX Cross Reference

Name	Hex Offset	Hex Value
DUMPTYPE	1	80
SDUABEND	1	40
SDUALNUC	3	02
SDUALPSA	2	80
SDUASDLA	48	
SDUASID	0	04
SDUASIDP	18	
SDUASLST	1	10
SDUAUTH	28	04
SDUBRANH	0	01
SDUBUF	0	40
SDUCASID	14	
SDUCMD	B0	20
SDUCNTL1	29	
SDUCOUPL	2C	10
SDUCSA	3	80
SDUDCB	0	80
SDUDCBA	3C	
SDUDCBAD	4	
SDUDEFS	3	01
SDUDLADR	A8	
SDUDLALT	AC	
SDUDTYPE	1	80
SDUECB	0	08
SDUECBAD	10	
SDUEDAT1	2C	
SDUEDAT2	2D	
SDUEXIT	2C	
SDUFLAG0	0	
SDUFLAG1	1	
SDUFLAG2	28	
SDUFLAG3	B0	
SDUGRSQ	2C	80
SDUHDR	0	10
SDUHDRA	44	
SDUHDRAD	C	
SDUID	29	08
SDUIDA	7C	
SDUIDAD	78	
SDUIGNCD	1	04
SDUIO	2E	40
SDUIOEX	2C	04
SDUITADR	88	
SDUITALT	8C	
SDUJLADR	A0	
SDUJLALT	A4	
SDUKEYLA	54	
SDUKEYS	28	08
SDUKYLST	34	
SDULISTA	28	80
SDULPA	2	02
SDULSQA	2	08
SDULSTD	28	02
SDULSTDA	5C	
SDULSTDP	58	
SDULST64	B0	80
SDUMASID	14	
SDUMP	0	
SDUMSTRC	2C	40
SDUNAPSA	3	08
SDUNASQA	3	04
SDUNEW	1	20
SDUNODEF	2E	80
SDUNSMDP	3	10
SDUNUC	2	20
SDUOPENE	2D	40
SDUPDADR	98	
SDUPDALT	9C	
SDUPSA	2	40
SDUPSWR	29	20
SDUPSWRA	6C	
SDUPSWRP	68	
SDUQUIET	0	02
SDUREMOT	2A	01
SDURGN	2	04
SDURGPSA	38	
SDURMADR	90	
SDURMALT	94	
SDURSM	2C	01
SDUSBPLA	50	
SDUSDATA	2	
SDUSDAT1	2	
SDUSDAT2	3	
SDUSDAT3	2E	
SDUSDAT4	2F	
SDUSDDAT	20	
SDUSDTA2	2C	
SDUSE3P	1	01
SDUSLADR	80	
SDUSLALT	84	
SDUSLIP	2D	80
SDUSLL	28	01
SDUSLSTA	28	40
SDUSL64	B0	40
SDUSMDMP	3	20
SDUSMLA	4C	
SDUSMLLA	64	
SDUSMLLP	60	
SDUSMSX	2C	20
SDUSPEND	28	20
SDUSPLST	30	
SDUSP21	29	80
SDUSQA	2	10
SDUSRB	29	01
SDUSRBAD	10	
SDUSTOR	0	20
SDUSTORA	8	
SDUSTRAL	40	
SDUSTREQ	29	02
SDUSUBPL	28	10
SDUSULST	1	08
SDUSUMLP	1C	
SDUSWA	3	40
SDUSYMA	74	
SDUSYMAD	70	
SDUSYMR	29	10
SDUTASID	16	
SDUTDDAT	24	
SDUTPFRC	2A	10
SDUTPNOL	2A	20
SDUTPXME	2A	40
SDUTRT	2	01
SDUTSOXT	1	02
SDUTSVCD	2D	20
SDUTUSID	20	
SDUTYPE	2A	

Name	Hex Offset	Hex Value
SDUTYPXM	2A	80
SDUTYP1	2A	
SDUVERSN	2B	
SDUVRSNB	29	40
SDUWLM	2C	02
SDUWRITE	29	04
SDUXES	2C	08

SDRSN Programming Interface information

Programming Interface information

SDRSN

End of Programming Interface information

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SDRSN Heading Information

Common Name: SDUMP PARTIAL DUMP REASON CODE CONTROL BLOCK
Macro ID: IHASDRSN
DSECT Name: SDRSN
Owning Component: SVC Dump (SCDMP)
Eye-Catcher ID: None
Storage Attributes: Main Storage: One per dump
Subpool: Any
Key: Any
Residency: Any
Size: DECIMAL 16, X'10'
Created by: IEAVTSDI (SDWSDRSN)
IEAVTSDS (DPLSDRSN)
Dump requestor (SDSTPDRC)
Pointed to by: Overlay of SDWSDRSN, DPLSDRSN and SDSTPDRC fields
Serialization: NONE
Function: IHASDRSN is a mapping macro which maps the bits which SDUMP processing uses to indicate what occurred when it is determined that portions of the dump data may be inaccurate. The first word of SDRSN represents conditions which may occur while processing a Branch-Entry or Scheduled SVC dump. The modules most likely to have encountered the problem are IEAVTSDX, IEAVTSSD, IEAVTSSV, IEAVTSSM AND IEAVTSDB. (In storage, these flags are originally kept in RTSDSRSN field of IHARTSD. They are subsequently moved into the SDWSDRSN field of IHASDWRK.
An application may access this information by using the SRB parameter of the SDUMP(X) macro invocation. When the SRB routine receives control the status area mapped by IHASDST contains the SDSTPDRC field, which may then be mapped by this macro.

SDRSN Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	16	SDRSN	PARTIAL DUMP REASON CONTROL BLOCK
		Comment			
		Partial Dump Message SRDSN Word 0 field - vvvvvvvv			
		End of Comment			
0	(0)	BITSTRING	4	SDRSCDMP	REASON CODES FROM SCHEDULE DUMP PROCESSING
0	(0)	BITSTRING	1	SDRSCDM0	
		1...		SDRBASID	AN SRB COULD NOT BE SCHEDULED TO A REQUESTED ASID BECAUSE THE ASID DID NOT EXIST OR WAS IN THE PROCESS OF MEMORY TERMINATION.
		.1..		SDRNRSM4	NO SUMMARY DUMP COULD BE TAKEN BECAUSE SDUMP WAS UNABLE TO OBTAIN RSM SERIALIZATION. (HIERARCHY PROBLEM)
		..1.		SDRNRSM8	NO SUMMARY DUMP COULD BE TAKEN BECAUSE SDUMP WAS UNABLE TO OBTAIN RSM SERIALIZATION. (RSM CONTROL PROBLEM)

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		...1		SDRNORSB	NO SUMMARY DUMP WAS TAKEN BECAUSE SDUMP WAS UNABLE TO OBTAIN A REAL STORAGE BUFFER FROM RSM. SET BY SSD.
		.... 1...		SDRSCHFR	RECOVERY ROUTINE SCHFRR IN IEAVTSDX RECEIVED CONTROL.
		.... .1..		SDRSUMFR	RECOVERY ROUTINE SUMFRR IN IEAVTSSD RECEIVED CONTROL.
		.... ..1.		SDRSSVFR	RECOVERY ROUTINE SSVFRR IN IEAVTSSV RECEIVED CONTROL.
		1		*	RESERVED
1	(1)	BITSTRING	1	SDRSCDM1	
		1...		*	RESERVED
		.1..		SDRSBERR	AN ERROR OCCURRED IN THE STEAL BACK ROUTINE IEAVTSDS IN IEAVTSSD WHICH CAUSED THE SUMMARY DUMP TO BE LOST
		..1.		SDRVBFUL	SOME DATA NOT MOVED IS SET BY IEAVTSSM WHEN THE VIRTUAL STORAGE BUFFER FILLS UP DURING A SUSPEND SUMMARY DUMP.
		...1		SDRRBFUL	THE REAL STORAGE BUFFER FILLED UP AND NO MORE SUMMARY DUMP DATA COULD BE DUMPED. (SET BY IEAVTSSM)
		.... 1...		SDRBRTRC	THE TRACE TABLES COULD NOT BE CAPTURED IN SDX OR SD2 BECAUSE OF SOME FAILURE IN THE SNAPTRC SERVICE.

Comment

Partial Dump Message SRDSN Word 1 field - wwwwwwww

End of Comment

4	(4)	BITSTRING	4	SDRSVCD1	FIRST WORD OF REASON CODES FOR THE SVC SDUMP PATH AND ALL MODULES CALLED FROM IEAVTSDT AND AFTER
		1...		SDRSDFRR	RECOVERY ROUTINE SDFRRRTN IN IEAVTSRR RECEIVED CONTROL.
		.1..		SDRESTAX	RECOVERY ROUTINE SDESTAEX IN IEAVTSRR RECEIVED CONTROL.
		..1.		SDRESTA1	RECOVERY ROUTINE DTESTAE1 IN IEAVTSDT RECEIVED CONTROL.
		...1		SDRDTFAL	DUMP TASK (IEAVTSDT) FAILED RECEIVED CONTROL.
		.... 1...		SDRSNPTR	SNAPTRC FAILED TO GET A SNAP SHOT OF THE TRACE TABLE.
		.... .1..		SDRSDBFR	RECOVERY ROUTINE SDBFRR IN IEAVTSDB RECEIVED CONTROL.
		.... ..1.		SDRESTA2	RECOVERY ROUTINE SDS_ESTAE IN IEAVTSDS RECEIVED CONTROL.
		1		SDRDSFAL	DUMP TASK (IEAVTSDS) FAILED AFTER IT RECEIVED CONTROL.
5	(5)	BITSTRING	1	SDRSVCDA	
		1...		SDRTTSDR	A PARTIAL DUMP OCCURRED BECAUSE THE RESOURCE MANAGER CLEANED UP THE DUMP BECAUSE A TASK INVOLVED IN THE DUMP ABNORMALLY TERMINATED.
		.1..		SDRDESTA	RECOVERY ROUTINE DWTESTAE IN IEAVTDWT RECEIVED CONTROL.
		..1.		SDRMTSDR	A PARTIAL DUMP OCCURRED BECAUSE THE RESOURCE MANAGER CLEANED UP THE DUMP BECAUSE AN ADDRESS SPACE INVOLVED IN THE DUMP ABNORMALLY TERMINATED.
		...1		SDRDSSDR	A PARTIAL DUMP OCCURRED BECAUSE THE RESOURCE MANAGER CLEANED UP THE DUMP BECAUSE DUMPSRV ABNORMALLY TERMINATED.
		.... 1...		SDRHDROV	A PARTIAL DUMP OCCURRED BECAUSE IEAVTSDH DID NOT HAVE ENOUGH SPACE TO PLACE DATA IN THE DUMP HEADER

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... .1..		SDRNOLCL	PARTIAL DUMP DUE TO PURGEDQ ISSUED AGAINST SRB WHICH WOULD TRIGGER TSDT TO COLLECT LOCAL STORAGE IN ONE OF THE ADDR SPACES IN THE DUMP
		.... ..1.		SDRPLCL	Partial dump due to emergency dump attempt of possibly hung address space. Only LSQA is gathered.
		1		SDRIASID	Partial dump of possibly hung address space found invalidated ASID during processing. Data may not be consistent

Comment

Partial Dump Message SRDSN Word 2 field - xxxxxxxx

End of Comment

8	(8)	BITSTRING	4	SDRSVCD2	SECOND WORD OF REASON CODES FOR THE SVC SDUMP PATH AND ALL MODULES CALLED FROM IEAVTSDT AND AFTER
8	(8)	BITSTRING	1	SDRSVCDE	
		1...		SDRSDGFL	IEAVTSDG FILLED THE ADDRESS RANGE TABLE SOME DATA WAS NOT ADDED TO THE RANGE TABLE
		.1..		SDRSDLFL	IEAVTSDL FILLED THE ADDRESS RANGE TABLE SOME DATA WAS NOT ADDED TO THE RANGE TABLE
		..1.		SDRSDHFL	IEAVTSDH FILLED THE ADDRESS RANGE TABLE SOME DATA WAS NOT ADDED TO THE RANGE TABLE
		...1		SDRSDIOE	IEAVTSDO HAD AN I/O ERROR WRITING TO THE DUMP DATASET.
		.... 1...		SDRSDFUL	IEAVTSDO - THE DUMP DATASET IS FULL
		.... .1..		SDRSDWER	IEAVTSDW - ERROR WRITING SUMMARY DUMP
		.... ..1.		SDRSNTRC	IEAVTSDM - ERROR OBTAINING TRACE DATA
		1		SDRSRBER	ERROR OCCURRED IN IEAVTSRB
9	(9)	BITSTRING	1	SDRSVCDF	
		1...		SDREXITE	ERROR OCCURRED IN A EXIT SOME DATA NOT INCLUDE IN DUMP
		.1..		SDRSDEOD	ERROR OCCURRED WHILE WRITING END OF DATA (EOD) RECORD ON DUMP DATASET
		..1.		SDRSDT2F	IEAVTSD2 OR IEAVTSD3 FILLED RANGE TABLE TWO, SOME RANGES WERE NOT ADDED
		...1		SDRSD3ER	ERROR OCCURRED IN IEAVTSD3
		.... 1...		SDRSD4ER	ERROR OCCURRED IN IEAVTSD4
		.... .1..		SDRLSTDF	ERROR OCCURRED WHILE PROCESSING LISTD SPECIFIED DATA SPACES
		.... ..1.		SDRSDT1F	IEAVTSD2 OR IEAVTSD3 FILLED RANGE TABLE ONE, SOME RANGES WERE NOT ADDED
		1		SDRSPMX	IF = '1'B INDICATES THAT SDUMP TRUNCATED BECAUSE MAXSPACE LIMIT HAS BEEN REACHED
10	(A)	BITSTRING	1	SDRSVCDG	
		1...		SDRSQAFL	IEAVTVSM FILLED THE SDUMP ADDRESS RANGE TABLE WHILE PROCESSING SQA PARAMETER - SOME DATA WILL NOT BE AVAILABLE IN THE DUMP
		.1..		SDRCSAFL	IEAVTVSM FILLED THE SDUMP ADDRESS RANGE TABLE WHILE PROCESSING CSA PARAMETER - SOME DATA WILL NOT BE AVAILABLE IN THE DUMP
		..1.		SDRGSPFL	IEAVTVSM FILLED THE SDUMP ADDRESS RANGE TABLE WHILE PROCESSING GLOBAL SUBPOOLS - SOME DATA WILL NOT BE AVAILABLE IN THE DUMP
		...1		SDRLSQAF	IEAVTVSM FILLED THE SDUMP ADDRESS RANGE TABLE WHILE PROCESSING LSQA PARAMETER - SOME DATA WILL NOT BE AVAILABLE IN THE DUMP
		.... 1...		SDRRGNFL	IEAVTVSM FILLED THE SDUMP ADDRESS RANGE TABLE WHILE PROCESSING RGN PARAMETER - SOME DATA WILL NOT BE AVAILABLE IN THE DUMP
		.... .1..		SDRLSPFL	IEAVTVSM FILLED THE SDUMP ADDRESS RANGE TABLE WHILE PROCESSING PRIVATE SUBPOOLS - SOME DATA WILL NOT BE AVAILABLE IN THE DUMP

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		SDRSWAFL	IEAVTVSM FILLED THE SDUMP ADDRESS RANGE TABLE WHILE PROCESSING SWA PARAMETER - SOME DATA WILL NOT BE AVAILABLE IN THE DUMP
		1		SDRSD3GL	SD3 COULD NOT DUMP SOME RANGES OF COMMON STORAGE
11	(B)	BITSTRING	1	SDRDATSP	Byte containing indicators of data space problems
		1...		SDREDATS	Bit used to indicate that either the Exit data space could not be created or the Exit data space was created, but could not obtain an alet to access the data space. Either one of the previous two events could cause the following data to be missing from an SVC dump: Early Global Exit data, Late Global Exit data and the System trace table. If processing a synchronous SVC dump the following data may be missing from the dump in addition to the data mention above: Local Exit data, One-Time-Only Exit data, and Console Loop Trace data
		.1..		SDRSDATS	Bit used to indicate that either the Summary dump data space could not be created or the Summary dump data space was created, but alet was not obtained to access the data space. Either one of the previous two events will cause Summary dump to be absent from the SVC dump.
		..1.		SDRLDATS	Bit used to indicate that either the Local data space could not be created or the Local data space was created, but an alet was not obtained to access the data space. Either one of the previous two events will cause private storage to be absent from the SVC dump.
		...1		SDRGDATS	Bit used to indicate that either the Global data space could not be created or the Global data space was created, but an alet was not obtained to access the data space. Either one of the previous two events will cause Global storage to be absent from the SVC dump.
		.... 1...		SDRXDATS	SVC Dump could not create or could not use data spaces which are required to process the STRLIST request. Some data will not be included in the dump.
		.... .1..		SDR_RANGE_EXT_FULL	IEAVTSDL filled the range table extension, some data was not added to the table
		.... ..1.		SDRRSVB1	Reserve space of 1 bit
		1		SDRAUXSH	SVC Dump was truncated because SRM detected that there was a critical auxiliary storage shortage condition at the time of the dump
		Comment			
		Partial Dump Message SRDSN Word 3 field - zzzzzzzz			
		End of Comment			
12	(C)	BITSTRING	4	SDRSVCD3	THIRD WORD OF REASON CODES FOR THE SVC SDUMP PATH AND ALL MODULES CALLED FROM IEAVTSDT AND AFTER
12	(C)	BITSTRING	1	SDRSDBND	BYTE CONTAINING PARTIAL DUMP FLAGS SET BY IEAVTSDB AS THE NON-DISPATCHABILITY TIMER DIE PROCESSOR. IF ANY OF THESE FLAGS ARE ON WHEN IEAVTSDC GETS CONTROL, THEN MESSAGE IEA911E WILL BE ISSUED WITH SPECIAL MESSAGE TEXT
		1...		SDRSDISP	IEAVTSDB HAS RESET THE SYSTEM DISPATCHABLE WHEN SDUMP HAS EITHER HUNG OR TERMINATED WITHOUT RESETTING THE SYSTEM
		.1..		SDRTDISP	IEAVTSDB HAS RESET THE TASKS OF AN ADDRESS SPACE INVOLVED IN THE DUMP WHEN SDUMP HAS EITHER HUNG OR TERMINATED WITHOUT RESETTING THE TASKS

SDRSN Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		..1.		SDRRESET	IEAVTSDB HAS RESET THE UNIT OF WORK STOPPED BY IEAVTSSD (AS PART OF SUSPEND SUMMARY DUMP PROCESSING) WHEN SDUMP HAS EITHER HUNG OR TERMINATED WITHOUT DOING THE RESET
		...1		SDRSRSET	Because SDUMP appears to be hung, IEAVTSDB has released serialization for all serialized structures specified in the STRLIST
		.... 1...		SDRRLRSB	Because SDUMP appears to be hung, IEAVTSDB has released real storage buffers containing summary dump records
13	(D)	BITSTRING	1	SDRSTRL	Partial dump bits relating to STRLIST processing
		1...		SDRSTRFF	Facility not available. Some structures will not be dumped.
		.1..		SDRSTRSF	The structure is not available 1) Structure failure detected and the structure cannot be accessed OR 2) Structure is not allocated
		..1.		SDRSTRNS	No facility dump space allocated or no facility dump space is available because it is being used to hold structure dump tables for other structure dumps
		...1		SDRSTRLU	Possible error in STRLIST parameter list: 1) Structure does not exist in policy 2) Structure type is not compatible with range options 3) Lock structure was requested - SDUMP does not support lock structures
		.... 1...		SDRSTRLE	Some or all of the STRLIST could not be processed
		.... .1..		SDRSTRRS	Structure dump serialization was released before all the data was captured. Note that if serialization was released during capture of the entry data, this bit will be set only when some entry data was requested serialized but was captured after serialization was released.
		.... ..1.		SDRSTRRC	Recovery received control while processing STRLIST
		1		SDRSTRPS	SVC Dump was unable to continue processing a structure requested in the STRLIST parameter list. This may be because the structure dump was deleted by the operator via the SETXCF FORCE command.
14	(E)	BITSTRING	1	SDRSVCDK	More flags
		1...		SDRREMOT	Recovery received control while building the remote SDUMP signal(s)
15	(F)	BITSTRING	1	SDRSVCDL	More flags
16	(10)	CHARACTER	0	*	

SDRSN Cross Reference

Name	Hex Offset	Hex Value
SDR_RANGE_EXT_FULL		
	B	04
SDRAUXSH	B	01
SDRBASID	0	80
SDRBRTRC	1	08
SDRCSAFL	A	40
SDRDATSP	B	
SDRDESTA	5	40
SDRDSFAL	4	01
SDRDSSDR	5	10
SDRDTFAL	4	10
SDREDATS	B	80
SDRESTAX	4	40
SDRESTA1	4	20
SDRESTA2	4	02
SDREXITE	9	80
SDRGDATS	B	10
SDRGSPFL	A	20
SDRHDROV	5	08
SDRIASID	5	01
SDRLDATS	B	20
SDRLSPFL	A	04
SDRLSQAF	A	10
SDRLSTDF	9	04
SDRMTSDR	5	20
SDRNOLCL	5	04
SDRNORSB	0	10
SDRNRSM4	0	40
SDRNRSM8	0	20
SDRPLCL	5	02
SDRRBFUL	1	10
SDRREMOT	E	80
SDRRESET	C	20
SDRRGNFL	A	08
SDRRLRSB	C	08
SDRRSVB1	B	02
SDRSBERR	1	40
SDRSCDMP	0	
SDRSCDM0	0	
SDRSCDM1	1	
SDRSCHFR	0	08
SDRSDATS	B	40
SDRSDBFR	4	04
SDRSDBND	C	
SDRSDEOD	9	40
SDRSDFRR	4	80

Name	Hex Offset	Hex Value
SDRSDFUL	8	08
SDRSDGFL	8	80
SDRSDHFL	8	20
SDRSDIOE	8	10
SDRSDISP	C	80
SDRSDLFL	8	40
SDRSDT1F	9	02
SDRSDT2F	9	20
SDRSDWER	8	04
SDRSD3ER	9	10
SDRSD3GL	A	01
SDRSD4ER	9	08
SDRSN	0	
SDRSNPTR	4	08
SDRSNTRC	8	02
SDRSPMX	9	01
SDRSQAFL	A	80
SDRSRBER	8	01
SDRSRSET	C	10
SDRSSVFR	0	02
SDRSTRFF	D	80
SDRSTRL	D	
SDRSTRLE	D	08
SDRSTRLU	D	10
SDRSTRNS	D	20
SDRSTRPS	D	01
SDRSTRRC	D	02
SDRSTRRS	D	04
SDRSTRSF	D	40
SDRSUMFR	0	04
SDRSVCDA	5	
SDRSVCDE	8	
SDRSVCDF	9	
SDRSVCDG	A	
SDRSVCDK	E	
SDRSVCDL	F	
SDRSVCD1	4	
SDRSVCD2	8	
SDRSVCD3	C	
SDRSWAFL	A	02
SDRTDISP	C	40
SDRTTSDR	5	80
SDRVBFUL	1	20
SDRXDATS	B	08

SDST Programming Interface information

Programming Interface information

SDST

End of Programming Interface information

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SDST Heading Information

Common Name: SVC DUMP Status Area
Macro ID: IHASDST
DSECT Name: SDSTATUS
Owning Component: SVC Dump (SCDMP)
Eye-Catcher ID: None
Storage Attributes: Subpool: Caller Specified
Key: Caller Determined
Data Space: None
Residency: any,any
Size: 24 bytes or 72 bytes
Created by: Caller
Pointed to by: Caller
Serialization: None. The storage is owned by the caller.
Function: The SVC DUMP Status Area is used by SVC DUMP to communicate with the caller of SDUMP(X) who specified SRB= on the invocation of the SDUMP(X) macro. The Return Code, the the NO-DUMP Reason Code, and the Partial DUMP Reason Codes are mapped in this macro.

SDST Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SDSTATUS	,
0	(0)	ADDRESS	4	SDST (0)	Force fullword alignment
0	(0)	SIGNED	2	SDSTLEN	Length of SDSTATUS as filled in by the caller
2	(2)	SIGNED	1	SDSTRETC	SDUMP return code: 0 - Complete DUMP, 4 - Partial DUMP, 8 - No DUMP,
3	(3)	SIGNED	1	SDSTNDRC	NO-DUMP Reason Code
4	(4)	CHARACTER	16	SDSTPDRC	Reason Code for a Partial DUMP. This is a string of flags that is mapped by IHASDRSN.
20	(14)	CHARACTER	16		Reserved
36	(24)	CHARACTER	44	SDSTDSN	Dump dataset name
80	(50)	CHARACTER	4		Reserved
84	(54)	SIGNED	4	SDSTEND (0)	End of SDSTATUS
84	(54)	X'54'	0	SDSTDSNL	"SDSTEND-SDST" Length of the SDSTATUS with DSN
84	(54)	X'18'	0	SDSTLENC	"24" Length of SDSTATUS area w/o DSN

SDST Cross Reference

Name	Hex Offset	Hex Value
SDST	0	
SDSTATUS	0	
SDSTDSN	24	
SDSTDSNL	54	54
SDSTEND	54	
SDSTLEN	0	
SDSTLENC	54	18
SDSTNDRC	3	
SDSTPDRC	4	
SDSTRETC	2	

SDUMP Heading Information

Common Name: SDUMP PARAMETER LIST
Macro ID: IHASDUMP
DSECT Name: SDUMP
Owning Component: SVC Dump (SCDMP)
Eye-Catcher ID: None
Storage Attributes: Main Storage: One per dump request
Subpool: Any
Key: Any
Residency: Any
Size: DECIMAL 68, X'44' IF PLISTVER=1 OR NOT SPECIFIED
DECIMAL 128, X'80' IF PLISTVER=2
DECIMAL 184, X'B8' IF PLISTVER=3
Created by: IEECB866 and other dump requestors
Pointed to by: R1 on entry to IEAVAD00 and IEAVTSDX
RTCTSDPL for dump in progress
Serialization: CS on RTCTSDPL
Function: THIS IS THE MAPPING FOR THE PARAMETER LIST
PRODUCED BY ALL FORMS OF THE SDUMP MACRO.

SDUMP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SDUMP	, SDUMPPTR SDUMP PARAMETER LIST
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"
0	(0)	BITSTRING	1	SDUFLAG0	FIRST BYTE OF FLAGS
		1...		SDUDCB	"BIT0" 1=USER SUPPLIED DCB 0=USE OF SYS1.DUMP DATA SET
		.1..		SDUBUF	"BIT1" 1=DUMP 4K SQA BUFFER 0=BYPASS 4K SQA BUFFER
		..1.		SDUSTOR	"BIT2" 1=STORAGE LIST SPECIFIED 0=NO STORAGE LIST
		...1		SDUHDR	"BIT3" 1=USER DATA SPECIFIED 0=NO USER DATA
		.... 1...		SDUECB	"BIT4" 1=ECB SPECIFIED 0=ECB NOT SPECIFIED
		.... .1..		SDUASID	"BIT5" 1=SCHEDULE DUMP REQUEST ASID SPECIFIED 0=ASID NOT SPECIFIED
		.... ..1.		SDUQUIET	"BIT6" 1=SET SYSTEM NON-DISPATCHABLE WHILE DUMPING GLOBAL STORAGE 0=MAINTAIN CURRENT SYSTEM STATUS
		1		SDUBRANH	"BIT7" 1=BRANCH ENTRY 0=SVC 51 ENTRY
1	(1)	BITSTRING	1	SDUFLAG1	SECOND BYTE OF FLAGS
		1...		SDUDTYPE	"BIT0" 1=SVC DUMP REQUEST @L1A
		1...		DUMPTYPE	"BIT0" 1=SVC DUMP REQUEST
		.1..		SDUABEND	"BIT1" 1=SYSMDUMP REQUEST
		..1.		SDUNEW	"BIT2" 1=ENHANCED SVC DUMP REQUEST
		...1		SDUASLST	"BIT3" 1=ASIDLST SPECIFIED
		.... 1...		SDUSULST	"BIT4" 1=SUMLIST SPECIFIED
		.... .1..		SDUIGNCD	"BIT5" 1=IGNORE CHNGDUMP OPTIONS
		.... ..1.		SDUTSOXT	"BIT6" 1=TSO USER EXTENSION PRESENT
		1		SDUSE3P	"BIT7" 1=JBB1226 PARMLIST
2	(2)	BITSTRING	2	SDUSDATA (0)	SDATA OPTION FLAGS

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
2	(2)	BITSTRING	1	SDUSDAT1	FIRST BYTE OF SDATA FLAGS
		1...		SDUALPSA	"BIT0" DUMP ALL PSA'S IN SYSTEM
		.1..		SDUPSA	"BIT1" DUMP THE CURRENT PSA
		..1.		SDUNUC	"BIT2" DUMP THE NUCLEUS
		...1		SDUSQA	"BIT3" DUMP SQA
		.... 1...		SDULSQA	"BIT4" DUMP LSQA
		.... .1..		SDURGN	"BIT5" DUMP REGION (PRIVATE AREA)
		.... ..1.		SDULPA	"BIT6" DUMP ACTIVE LPA MOD. FOR RGN
		1		SDUTRT	"BIT7" DUMP TRACE TABLE / GTF BUFFERS
3	(3)	BITSTRING	1	SDUSDAT2	SECOND BYTE OF SDATA FLAGS
		1...		SDUCSA	"BIT0" DUMP CSA
		.1..		SDUSWA	"BIT1" DUMP SWA FOR REGION
		..1.		SDUSMDMP	"BIT2" SUMMARY DUMP REQUESTED
		...1		SDUNSMDP	"BIT3" DO NOT DUMP SUMMARY DUMP
		.... 1...		SDUNAPSA	"BIT4" DO NOT DUMP ALL PSA
		.... .1..		SDUNASQA	"BIT5" DO NOT DUMP SQA
		.... ..1.		SDUALNUC	"BIT6" DUMP ALL NUCLEUS AREAS
		1		SDUDEFS	"BIT7" USE DEFAULTS
4	(4)	ADDRESS	4	SDUDCBAD	ADDRESS USER SUPPLIED DCB
8	(8)	ADDRESS	4	SDUSTORA	ADDRESS OF LISTA OR STORAGE RANGES
12	(C)	ADDRESS	4	SDUHDRAD	ADDRESS OF USER DATA
16	(10)	ADDRESS	4	SDUSRBAD (0)	ADDRESS OF USER SUPPLIED SRB
16	(10)	ADDRESS	4	SDUECBAD	ADDRESS USER SUPPLIED ECB
20	(14)	ADDRESS	4	SDUMASID (0)	SCHEDULE DUMP ASIDS
20	(14)	ADDRESS	2	SDUCASID	CALLERS ASID
22	(16)	ADDRESS	2	SDUTASID	TARGET ASID OF SCHEDULE DUMP
24	(18)	ADDRESS	4	SDUASIDP	ADDRESS CALLERS ASID LIST
28	(1C)	ADDRESS	4	SDUSUMLP	ADDRESS CALLERS SUMMARY LIST
32	(20)	CHARACTER	8	SDUTUSID (0)	TSO USER ID THIS DUMP
32	(20)	ADDRESS	4	SDUSDDAT	ADDRESS OF SVC DUMP DATA AREAS MAPPED BY IHASDDAT - SET ON SYSMDUMP PATH ONLY
36	(24)	ADDRESS	4	SDUTDDAT	Transaction dump data area addr. Mapped by IHATDDAT. Set for transaction dumps only
40	(28)	BITSTRING	1	SDUFLAG2	BYTE OF SDUMP CONTROL FLAGS
		1...		SDULISTA	"BIT0" 1=LISTA PARAMETER SPECIFIED 0=LISTA PARAMETER NOT SPECIFIED
		.1..		SDUSLSTA	"BIT1" 1=SUMLSTA PARAMETER SPECIFIED 0=SUMLSTA PARAMETER NOT SPECIFIED
		..1.		SDUSPEND	"BIT2" 1=SUSPEND=YES PARAMETER SPECIFIED 0=SUSPEND=NO OF PARAMETER LEFT OFF
		...1		SDUSUBPL	"BIT3" SPECIFIES PARAMETER SUBPLST POINTER IS IN FIELD SDUSPLST
		.... 1...		SDUKEYS	"BIT4" SPECIFIES PARAMETER KEYLIST POINTER IS IN FIELD SDUKYLST
		.... .1..		SDUAUTH	"BIT5" TRT REQUESTED FOR AN AUTHORIZED SYSMDUMP USER. SET BY ABDUMP

Comment

BIT6 RESERVED FOR MVS/ESA
BIT7 RESERVED FOR MVS/ESA

End of Comment

41	(29)	BITSTRING	1	SDUCNTL1	CONTROL BYTE USED TO SPECIFY NEW RELEASES TO DETERMINE PARAMETER LIST LENGTH
		1...		SDUSP21	"BIT0" RELEASE HBB2102 PARAMETER LIST
		.1..		SDUVRSNB	"BIT1" 1=VERSION BIT PRESENT
		..1.		SDUPSWR	"BIT2" 1=PSWREGS SPECIFIED
		...1		SDUSYMR	"BIT3" 1=SYMREC SPECIFIED
		.... 1...		SDUID	"BIT4" 1=ID/IDAD SPECIFIED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		Comment			
		EQU BIT5 RESERVED FOR MVS/ESA			
		End of Comment			
		.... ..1.		SDUSTREQ	"BIT6" 1=STRLIST SPECIFIED
		1		SDUSRB	"BIT7" ON, SRB KEYWORD WAS SPECIFIED
42	(2A)	BITSTRING	1	SDUTYPE (0)	BYTE DESCRIBING TYPE PARAMETER
42	(2A)	BITSTRING	1	SDUTYP1	FIRST BYTE OF TYPE PARAMETERS
		1...		SDUTYPXM	"BIT0" 1=TYPE XMEM SPECIFIED 0=TYPE XMEM NOT SPECIFIED
		.1..		SDUTPXME	"BIT1" 1=TYPE XMEME SPECIFIED 0=TYPE XMEME NOT SPECIFIED
		..1.		SDUTPNOL	"BIT2" 1=TYPE NOLOCAL SPECIFIED 0=TYPE NOLOCAL NOT SPECIFIED
		...1		SDUTPFRC	"BIT3" 1=TYPE FAILRC SPECIFIED 0=TYPE FAILRC NOT SPECIFIED
43	(2B)	BITSTRING	1	SDUVERSN	VERSION NUMBER
44	(2C)	BITSTRING	4	SDUSDTA2 (0)	EXTENDED SDATA OPTIONS
44	(2C)	BITSTRING	2	SDUEXIT (0)	EXIT ROUTINE OPTIONS
44	(2C)	BITSTRING	1	SDUEDAT1	SDATA OPTIONS FOR EXIT ROUTINES
		1...		SDUGRSQ	"BIT0" 1=GRSQ SDATA OPTION WAS SPECIFIED
		.1..		SDUMSTRC	"BIT1" 1=MASTER TRACE OPTION AND GTF EXIT OPTION SPECIFIED
		..1.		SDUSMSX	"BIT2" 1=SMSX LOCAL EXIT
		...1		SDUCOUPL	"BIT3" 1=COUPLE - FOR SDUMPX ONLY
		.... 1...		SDUXES	"BIT4" 1=XESDATA - FOR SDUMPX ONLY
		.... .1..		SDUIOEX	"BIT5" 1=IOS GLOBAL EXIT WILL BE INVOKED
		.... ..1.		SDUWLM	"BIT6" 1=WLM SDATA OPTION WAS SPECIFIED
		1		SDURSM	"BIT7" 1=RSM SDATA OPTION WAS SPECIFIED
45	(2D)	BITSTRING	1	SDUEDAT2	2ND SDATA EXIT BYTE
		1...		SDUSLIP	"BIT0" 1=SLIP SDATA OPTION WAS SPECIFIED
		.1..		SDUOPENE	"BIT1" 1=OE SDATA OPTION WAS SPECIFIED
		..1.		SDUTSVCD	"BIT2" 1=TAILORED SVC DUMP WAS SPECIFIED
46	(2E)	BITSTRING	1	SDUSDAT3	MORE SDATA OPTIONS
		1...		SDUNODEF	"BIT0" 1=NODEFAULTS
		.1..		SDUIO	"BIT1" 1=I/O AREAS
47	(2F)	BITSTRING	1	SDUSDAT4	MORE SDATA OPTIONS
48	(30)	ADDRESS	4	SDUSPLST	ADDRESS OF SUBPOOL LIST
52	(34)	ADDRESS	4	SDUKYLST	ADDRESS OF KEYLIST
56	(38)	ADDRESS	4	SDURGPSA	ADDRESS OF SLIP REGS/PSW FOR THE DUMP HEADER RECORD
60	(3C)	ADDRESS	4	(2)	RESERVED

SDUMP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
BIT0	0	80	SDUAUTH	28	4
BIT1	0	40	SDUBRANH	0	1
BIT2	0	20	SDUBUF	0	40
BIT3	0	10	SDUCASID	14	
BIT4	0	8	SDUCNTL1	29	
BIT5	0	4	SDUCOUPL	2C	10
BIT6	0	2	SDUCSA	3	80
BIT7	0	1	SDUDCB	0	80
DUMPTYPE	1	80	SDUDCBAD	4	
SDUABEND	1	40	SDUDEFS	3	1
SDUALNUC	3	2	SDUDTYPE	1	80
SDUALPSA	2	80	SDUECB	0	8
SDUASID	0	4	SDUECBAD	10	
SDUASIDP	18		SDUEDAT1	2C	
SDUASLST	1	10	SDUEDAT2	2D	

Name	Hex Offset	Hex Value
SDUEXIT	2C	
SDUFLAG0	0	
SDUFLAG1	1	
SDUFLAG2	28	
SDUGRSQ	2C	80
SDUHDR	0	10
SDUHDRAD	C	
SDUID	29	8
SDUIGNCD	1	4
SDUIO	2E	40
SDUIOEX	2C	4
SDUKEYS	28	8
SDUKYLST	34	
SDULISTA	28	80
SDULPA	2	2
SDULSQA	2	8
SDUMASID	14	
SDUMP	0	
SDUMSTRC	2C	40
SDUNAPSA	3	8
SDUNASQA	3	4
SDUNEW	1	20
SDUNODEF	2E	80
SDUNSMDP	3	10
SDUNUC	2	20
SDUOPENE	2D	40
SDUPSA	2	40
SDUPSWR	29	20
SDUQUIET	0	2
SDURGN	2	4
SDURGPSA	38	
SDURSM	2C	1
SDUSDATA	2	
SDUSDAT1	2	
SDUSDAT2	3	
SDUSDAT3	2E	
SDUSDAT4	2F	
SDUSDDAT	20	
SDUSDTA2	2C	
SDUSE3P	1	1
SDUSLIP	2D	80
SDUSLSTA	28	40
SDUSMDMP	3	20
SDUSMSX	2C	20
SDUSPEND	28	20
SDUSPLST	30	
SDUSP21	29	80
SDUSQA	2	10
SDUSRB	29	1
SDUSRBAD	10	
SDUSTOR	0	20
SDUSTORA	8	
SDUSTREQ	29	2
SDUSUBPL	28	10
SDUSULST	1	8
SDUSUMLP	1C	
SDUSWA	3	40
SDUSYMR	29	10
SDUTASID	16	
SDUTDDAT	24	
SDUTPFRC	2A	10
SDUTPNOL	2A	20
SDUTPXME	2A	40
SDUTRT	2	1
SDUTSOXT	1	2
SDUTSVCD	2D	20
SDUTUSID	20	
SDUTYPE	2A	
SDUTYPXM	2A	80
SDUTYP1	2A	
SDUVERSN	2B	
SDUVRSNB	29	40
SDUWLM	2C	2
SDUXES	2C	8

SDWA Programming Interface information

Programming Interface information

SDWA

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

- SDWAABCC
- SDWAABTM
- SDWAAEC1
- SDWAAEC2
- SDWAARER
- SDWAARGU
- SDWAARSV
- SDWAASCB
- SDWACID
- SDWACIDB
- SDWACLUP
- SDWACOMP
- SDWACOMU
- SDWACRC
- SDWACRGS
- SDWACTS
- SDWAEC1
- SDWAEC2
- SDWAEPA
- SDWAERRB
- SDWAERRC
- SDWAFIOB
- SDWAFMID
- SDWAFPRX
- SDWAGRSV
- SDWAG64
- SDWAIDNT
- SDWAIOFS
- SDWALSLV
- SDWAMABD
- SDWAMCHK
- SDWAMCIV
- SDWAMLVL
- SDWANAME
- SDWANRBE
- SDWAOCRC
- SDWAPARM
- SDWAPCHK
- SDWAPGIO
- SDWAPSWU
- SDWARA
- SDWAREGU
- SDWARFXM
- SDWARKEY
- SDWARPIV
- SDWARRL
- SDWASABC
- SDWASC
- SDWASDRC
- SDWASRSV
- SDWASRVP
- SDWASTAE
- SDWASVCD
- SDWASVCE
- SDWATEAR
- SDWATEXC
- SDWATYPE
- SDWAVRIV
- SDWAXFLG
- SDWAXPAD

End of Programming Interface information

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SDWA Heading Information

Common Name: SYSTEM DIAGNOSTIC WORK AREA
Macro ID: IHASDWA
DSECT Name: SDWA, SDWARC1, SDWARC2, SDWARC3, SDWARC4, SDWAPTS, SDWANRC1, SDWANRC2, SDWANRC3
Owning Component: RECOVERY TERMINATION MANAGER (SCRTM)
Eye-Catcher ID: SDWA
Offset: X'293'
Length: 5
Storage Attributes: Subpool: 0 OR 230 OR 239
Key: TCB KEY FOR SUBPOOL 0, OTHERWISE KEY 0
Residency: Above or below the 16M line, depending on the recovery routine that the SDWA is provided for
Size: Variable, depending on which which extensions are provided with the SDWA.
Created by: GLOBAL SDWAS ARE PREALLOCATED, GETMAINED SDWAS ARE OBTAINED BY IEAVTR1S, TASK MODE SDWAS ARE OBTAINED BY IEAVTRT2 AND IEAVTAS1
Pointed to by: REGISTER 1 UPON ENTRY TO AN FRR, REGISTER 1 UPON ENTRY TO AN ESTAE-TYPE RECOVERY ROUTINE IF REGISTER 0 DOES NOT CONTAIN 12 (X'0C').
ADJACENT TO EACH SUPER FRR STACK (GLOBAL SDWA)
RT1WRTCA FIELD OF THE RT1W DATA AREA
RTM2RTCA AND RTM2SDW2 FIELD OF THE RTM2WA DATA AREA FOR TASK MODE SDWAS
Serialization: GLOBAL SDWA - PHYSICALLY DISABLED OR GLOBALLY LOCKED
GETMAINED SDWA - SRB MODE, LOCALLY LOCKED, OR NONE
Function: THE SDWA PROVIDES FOR COMMUNICATION BETWEEN THE RTM AND FRRS OR ESTAE-TYPE RECOVERY ROUTINES. IT CONTAINS DATA ABOUT THE ORIGINAL ERROR AND ALSO CONCERNING ACTIONS OF PREVIOUSLY ENTERED RECOVERY ROUTINES. THE SDWA IS ALSO KNOWN AS THE RTCA.
THE SDWA IS USED FOR RECORDING ERRORS IN LOGREC AS SOFTWARE RECORDS.

SDWA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SDWA	, SDWAPTR
0	(0)	ADDRESS	4	SDWAPARM	- PARAMETER LIST ADDRESS IF (E)STAE MACRO SPECIFIED PARAM OPTION OR 0. FOR FRRS THIS IS THE ADDRESS OF THE 6 WORD PARM AREA RETURNED BY THE SETFRR MACRO WHEN THE PARMAD KEYWORD IS SPECIFIED ON THE SETFRR FOR AN ARR, THIS IS THE ADDRESS OF THE 8-BYTES OF THE MSTA AREA. FOR ESTAEX, THIS IS THE ADDRESS OF 8-BYTES CONTAINING THE ADDRESS AND ALET OF THE PARAMETER LIST.
4	(4)	ADDRESS	4	SDWAFIOB (0)	- ADDRESS OF PURGE I/O REQUEST LIST (PIRL) OR 0 IF HALT I/O IS REQUESTED ON ENTRY TO RETRY ROUTINE FOR (E)STAE.
4	(4)	BITSTRING	4	SDWAABCC (0)	- ABEND COMPLETION CODE ON ENTRY TO EXIT ROUTINE.
4	(4)	BITSTRING	1	SDWACMPF	- FLAG BITS IN COMPLETION CODE.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		SDWAREQ	"X'80'" - ON, SYSABEND/SYSMDUMP/SYSUDUMP DUMP TO BE GIVEN. SET IF DUMP=YES REQUESTED ON ABEND, CALLRTM OR SETRP MACRO.
		.1..		SDWASTEP	"X'40'" - ON, JOBSTEP TO BE TERMINATED. SET IF STEP OPTION SPECIFIED ON ABEND MACRO.
		...1		SDWASTCC	"X'10'" - ON, DON'T STORE COMPLETION CODE. NOT USED IN OS/VS2 R2.
		.... .1..		SDWARCF	"X'04'" - ON, REASON CODE IN SDWACRC IS VALID
5	(5)	BITSTRING	3	SDWACMPC	- SYSTEM COMPLETION CODE (FIRST 12 BITS) AND USER COMPLETION CODE (SECOND 12 BITS).
8	(8)	CHARACTER	8	SDWACTL1 (0)	- BC MODE PSW AT TIME OF ERROR NOT INITIALIZED FOR FRRS.
8	(8)	BITSTRING	1	SDWACMKA	- CHANNEL INTERRUPT MASKS.
		1111 111.		SDWAIOA	"X'FE'" - I/O INTERRUPTS (ALL ZEROS OR ALL ONES).
		1		SDWAEXTA	"X'01'" - EXTERNAL INTERRUPT.
9	(9)	BITSTRING	1	SDWAMWPA	- PSW KEY AND 'M-W-P'.
		1111		SDWAKEYA	"X'F0'" - PSW KEY.
		.... .1..		SDWAMCKA	"X'04'" - MACHINE CHECK INTERRUPT.
		.... ..1.		SDWAWATA	"X'02'" - WAIT STATE.
		1		SDWASPVA	"X'01'" - SUPERVISOR/PROBLEM-PROGRAM MODE.
10	(A)	CHARACTER	2	SDWAINTA	- INTERRUPT CODE (LAST 2 BYTES OF INTERRUPT CODE IF I/O INTERRUPT).
12	(C)	BITSTRING	1	SDWAPMKA	- INSTRUCTION LENGTH CODE, CONDITION CODE, AND PROGRAM MASKS.
		11..		SDWAILA	"X'C0'" - INSTRUCTION LENGTH CODE.
		..11		SDWACCA	"X'30'" - LAST CONDITION CODE.
		.... 1...		SDWAFPA	"X'08'" - FIXED-POINT OVERFLOW.
		.... .1..		SDWADOA	"X'04'" - DECIMAL OVERFLOW.
		.... ..1.		SDWAEUA	"X'02'" - EXPONENT UNDERFLOW.
		1		SDWASGA	"X'01'" - SIGNIFICANCE.
13	(D)	ADDRESS	3	SDWANXTA	- ADDRESS OF NEXT INSTRUCTION TO BE EXECUTED.
16	(10)	CHARACTER	8	SDWACTL2 (0)	- BC MODE PSW FROM LAST PRB ON RB CHAIN. ZERO FOR FRRS.
16	(10)	BITSTRING	1	SDWACMKP	- CHANNEL INTERRUPT MASKS.
		1111 111.		SDWAIOP	"X'FE'" - I/O INTERRUPTS (ALL ZEROS OR ALL ONES).
		1		SDWAEXTP	"X'01'" - EXTERNAL INTERRUPT.
17	(11)	BITSTRING	1	SDWAMWPP	- PSW KEY AND 'M-W-P'.
		1111		SDWAKEYP	"X'F0'" - PSW KEY.
		.... .1..		SDWAMCKP	"X'04'" - MACHINE CHECK INTERRUPT.
		.... ..1.		SDWAWATP	"X'02'" - WAIT STATE.
		1		SDWASPVP	"X'01'" - SUPERVISOR/PROBLEM-PROGRAM MODE.
18	(12)	CHARACTER	2	SDWAINTP	- INTERRUPT CODE (LAST 2 BYTES OF INTERRUPT CODE IF I/O INTERRUPT).
20	(14)	BITSTRING	1	SDWAPMKP	- INSTRUCTION LENGTH CODE, CONDITION CODE, AND PROGRAM MASKS.
		11..		SDWAILP	"X'C0'" - INSTRUCTION LENGTH CODE.
		..11		SDWACCP	"X'30'" - LAST CONDITION CODE.
		.... 1...		SDWAFPP	"X'08'" - FIXED-POINT OVERFLOW.
		.... .1..		SDWADOP	"X'04'" - DECIMAL OVERFLOW.
		.... ..1.		SDWAEUP	"X'02'" - EXPONENT UNDERFLOW.
		1		SDWASGP	"X'01'" - SIGNIFICANCE.
21	(15)	ADDRESS	3	SDWANXTP	- ADDRESS OF NEXT INSTRUCTION TO BE EXECUTED.
24	(18)	CHARACTER	64	SDWAGRSV (0)	- GENERAL PURPOSE REGISTERS AT TIME OF ERROR
24	(18)	SIGNED	4	SDWAGR00	- GPR 0.
28	(1C)	SIGNED	4	SDWAGR01	- GPR 1.
32	(20)	SIGNED	4	SDWAGR02	- GPR 2.
36	(24)	SIGNED	4	SDWAGR03	- GPR 3.
40	(28)	SIGNED	4	SDWAGR04	- GPR 4.
44	(2C)	SIGNED	4	SDWAGR05	- GPR 5.
48	(30)	SIGNED	4	SDWAGR06	- GPR 6.
52	(34)	SIGNED	4	SDWAGR07	- GPR 7.
56	(38)	SIGNED	4	SDWAGR08	- GPR 8.
60	(3C)	SIGNED	4	SDWAGR09	- GPR 9.
64	(40)	SIGNED	4	SDWAGR10	- GPR 10.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
68	(44)	SIGNED	4	SDWAGR11	- GPR 11.
72	(48)	SIGNED	4	SDWAGR12	- GPR 12.
76	(4C)	SIGNED	4	SDWAGR13	- GPR 13.
80	(50)	SIGNED	4	SDWAGR14	- GPR 14.
84	(54)	SIGNED	4	SDWAGR15	- GPR 15.
88	(58)	CHARACTER	8	SDWANAME (0)	- IF PROBLEM PROGRAM MODE NAME OF ABENDING PROGRAM, OR ZERO IF NO NAME IS AVAILABLE. ZERO IF NOT RUNNING UNDER AN RB
88	(58)	ADDRESS	4	SDWARBAD	- RB ADDRESS OF ABENDING PROGRAM (IF SUPERVISOR MODE PROGRAM RUNNING UNDER AN RB)
92	(5C)	BITSTRING	4		- CONTAINS ZEROS IF SUPERVISOR MODE PROGRAM RUNNING UNDER AN RB OR IF PROGRAM NOT RUNNING UNDER AN RB
96	(60)	ADDRESS	4	SDWAEPA	- ENTRY POINT ADDRESS OF ABENDING PROGRAM. ZERO IF NOT RUNNING UNDER AN RB
100	(64)	ADDRESS	4	SDWAIOBR	- POINTER TO SDWAFIOB FIELD, OR 0 IF NO RETRY, OR 0 IF HALT I/O IS REQUESTED FOR (E)STA EXITS. ZERO FOR FRRS ICB377
104	(68)	CHARACTER	8	SDWAEC1 (0)	EXTENDED CONTROL PSW AT TIME OF ERROR(ABEND)
104	(68)	BITSTRING	1	SDWAEMK1	INTERRUPT INFORMATION MASKS
		.1..		SDWAPER1	"X'40'" ON,PROGRAM EVENT RECORDING INTERRUPTS CAN OCCUR OFF, PROGRAM EVENT RECORDING INTERRUPTS CANNOT OCCUR
		.... .1..		SDWATRM1	"X'04'" ON,ADDRESS TRANSLATION ACTIVE
		.... ..1.		SDWAIO1	"X'02'" OFF,I/0 INTERRUPTION CAN NOT OCCUR ON,I/0 INTERRUPTIONS CAN OCCUR SUBJECT TO TO CHANNEL MASK BITS IN CONTROL REGS 2 AND 3
		1		SDWAEXT1	"X'01'" OFF,EXTERNAL INTERRUPTION CANNOT OCCUR ON,EXTERNAL INTERRUPTIONS CAN OCCUR SUBJECT TO EXTERNAL SUBCLASS MASK BITS OF CONTROL REG 0
105	(69)	BITSTRING	1	SDWAMWP1	PSW KEY AND 'M-W-P'
		1111		SDWAKEY1	"X'F0'" PSW KEY
		.... 1...		SDWAECT1	"X'08'" EXTENDED CONTROL MODE BIT
		.... .1..		SDWAMCK1	"X'04'" OFF,MACHINE CHECK CANNOT OCCUR ON,MACHINE CHECK DUE TO SYSTEM DAMAGE AND INSTRUCTION-PROCESSING DAMAGE CAN OCCUR OTHER MACHINE CHECKS SUBJECT TO MASK BITS IN CONTROL REGISTER 14
		.... ..1.		SDWAWAT1	"X'02'" ON,CPU IN WAIT STATE
		1		SDWAPGM1	"X'01'" ON,PROBLEM STATE OFF, SUPERVISOR STATE
106	(6A)	BITSTRING	1	SDWAINT1	CONDITION CODE AND PROGRAM MASK
		11..		SDWAASCM	"X'C0'" ADDRESS SPACE CONTROL MODE BITS 00 - PRIMARY MODE 01 - ACCESS REGISTER MODE 10 - SECONDARY MODE 11 - HOME SPACE MODE
		1...		SDWAS1	"X'80'" ADDRESS SPACE SELECTION BIT
		..11		SDWACC1	"X'30'" CONDITION CODE
		.... 1...		SDWAFPO1	"X'08'" FIXED POINT OVERFLOW
		.... .1..		SDWADEC1	"X'04'" DECIMAL OVERFLOW
		.... ..1.		SDWAEXP1	"X'02'" EXPONENT UNDERFLOW
		1		SDWASGN1	"X'01'" SIGNIFICANCE
107	(6B)	BITSTRING	1		RESERVED
108	(6C)	SIGNED	4	SDWANXT1 (0)	ADDRESS OF NEXT INSTRUCTION TO BE EXECUTED.
108	(6C)	BITSTRING	1	SDWAAMF1	ADDRESSING MODE FLAG
		1...		SDWAMOD1	"X'80'" ADDRESSING MODE OF THE NEXT INSTRUCTION TO BE EXECUTED.
109	(6D)	CHARACTER	3	SDWAADD1	INSTRUCTION ADDRESS
112	(70)	CHARACTER	8	SDWAAEC1 (0)	ADDITIONAL EC MODE INFORMATION
112	(70)	CHARACTER	1		RESERVED
113	(71)	BITSTRING	1	SDWAILC1	INSTRUCTION LENGTH CODE FOR PSW DEFINED BY SDWAEC1
		.... .11.		SDWAIL1	"X'06'" ILC
114	(72)	CHARACTER	2	SDWAINC1 (0)	INTERRUPT CODE. IF PROGRAM CHECK OCCURRED THE SUBFIELDS ARE FURTHER DIVIDED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
114	(72)	CHARACTER	1		RESERVED FOR IMPRECISE INTERRUPTS ON PROGRAM CHECK INTERRUPT
115	(73)	BITSTRING	1	SDWAICD1	8 BIT INTERRUPT CODE IF PROGRAM CHECK
		1...		SDWAIPR1	"X'80'" PER INTERRUPT OCCURRED
		.1..		SDWAIMC1	"X'40'" MONITOR CALL INTERRUPT OCCURRED
		..11 1111		SDWAIPC1	"X'3F'" AN UNSOLICITED PROGRAM CHECK HAS OCCURRED
116	(74)	ADDRESS	4	SDWATRAN	VIRTUAL ADDRESS CAUSING TRANSLATION EXCEPTION
119	(77)	BITSTRING	1	SDWADXC	Data exception code when program interrupt code 7
120	(78)	CHARACTER	8	SDWAEC2 (0)	EXTENDED CONTROL PSW FROM THE RB LEVEL OR LINKAGE STACK LEVEL WHICH CREATED THE ESTAE EXIT AT THE TIME IT LAST INCURRED AN INTERRUPT OR 0 FOR ESTAI. OR PSW USED TO GIVE FRR CONTROL
120	(78)	BITSTRING	1	SDWAEMK2	INTERRUPT INFORMATION MASKS
		.1..		SDWAPER2	"X'40'" ON,PROGRAM EVENT RECORDING INTERRUPTS CAN OCCUR OFF,PROGRAM EVENT RECORDING INTERRUPTS CANNOT OCCUR
		.... .1..		SDWATRM2	"X'04'" ON,ADDRESS TRANSLATION ACTIVE
		.... ..1.		SDWAIO2	"X'02'" OFF,I/0 INTERRUPTION CANNOT OCCUR ON,I/0 INTERRUPTIONS CAN OCCUR SUBJECT TO TO CHANNEL MASK BITS IN CONTROL REGS 2 AND 3
		1		SDWAEXT2	"X'01'" OFF,EXTERNAL INTERRUPTION CANNOT OCCUR ON,EXTERNAL INTERRUPTIONS CAN OCCUR SUBJECT TO EXTERNAL SUBCLASS MASK BITS OF CONTROL REG 0
121	(79)	BITSTRING	1	SDWAMWP2	PSW KEY AND 'M-W-P'
		1111		SDWAKEY2	"X'F0'" PSW KEY
		.... 1...		SDWAECT2	"X'08'" EXTENDED CONTROL MODE BIT
		.... .1..		SDWAMCK2	"X'04'" OFF,MACHINE CHECK CANNOT OCCUR ON,MACHINE CHECK DUE TO SYSTEM DAMAGE AND INSTRUCTION-PROCESSING DAMAGE CAN OCCUR OTHER MACHINE CHECKS SUBJECT TO MASK BITS IN CONTROL REGISTER 14
		.... ..1.		SDWAWAT2	"X'02'" ON,CPU IN WAIT STATE
		1		SDWAPGM2	"X'01'" ON,PROBLEM STATE OFF, SUPERVISOR STATE
122	(7A)	BITSTRING	1	SDWAINT2	CONDITION CODE AND PROGRAM MASK
		1...		SDWAS2	"X'80'" ADDRESS SPACE SELECTION BIT
		..11		SDWACC2	"X'30'" CONDITION CODE
		.... 1...		SDWAFPO2	"X'08'" FIXED POINT OVERFLOW
		.... .1..		SDWADEC2	"X'04'" DECIMAL OVERFLOW
		.... ..1.		SDWAEXP2	"X'02'" EXPONENT UNDERFLOW
		1		SDWASGN2	"X'01'" SIGNIFICANCE
123	(7B)	BITSTRING	1		RESERVED
124	(7C)	SIGNED	4	SDWANXT2 (0)	ADDRESS OF NEXT INSTRUCTION TO BE EXECUTED
124	(7C)	BITSTRING	1	SDWAAMF2	ADDRESSING MODE FLAG
		1...		SDWAMOD2	"X'80'" ADDRESSING MODE OF THE NEXT INSTRUCTION TO BE EXECUTED.
125	(7D)	CHARACTER	3	SDWAADD2	INSTRUCTION ADDRESS
128	(80)	CHARACTER	8	SDWAAEC2 (0)	ADDITIONAL EC MODE INFORMATION
128	(80)	CHARACTER	1		RESERVED
129	(81)	BITSTRING	1	SDWAILC2	INSTRUCTION LENGTH CODE FOR PSW DEFINED BY SDWAEC2
		.... .11.		SDWAIL2	"X'06'" ILC
130	(82)	CHARACTER	2	SDWAINC2 (0)	INTERRUPT CODE. IF PROGRAM CHECK OCCURRED THE SUBFIELDS ARE FURTHER DIVIDED
130	(82)	CHARACTER	1		RESERVED FOR IMPRECISE INTERRUPTS ON PROGRAM CHECK INTERRUPT
131	(83)	BITSTRING	1	SDWAICD2	8 BIT INTERRUPT CODE IF PROGRAM CHECK
		1...		SDWAIPR2	"X'80'" PER INTERRUPT OCCURRED
		.1..		SDWAIMC2	"X'40'" MONITOR CALL INTERRRUPT OCCURRED
		..11 1111		SDWAIPC2	"X'3F'" AN UNSOLICITED PROGRAM CHECK HAS OCCURRED
132	(84)	ADDRESS	4	SDWATRN2	VIRTUAL ADDRESS CAUSING TRANSLATION EXCEPTION

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
136	(88)	CHARACTER	64	SDWASRSV (0)	GENERAL PURPOSE REGISTERS OF THE RB LEVEL OR LINKAGE STACK LEVEL WHICH CREATED THE ESTAE EXIT AT THE TIME IT LAST INCURRED AN INTERRUPT OR 0 FOR ESTAI FOR FRRS INITIALIZED TO REGISTERS AT TIME OF ERROR. THIS REGISTER AREA IS USED TO UPDATE REGISTER CONTENTS FOR RETRY IF REQUESTED
136	(88)	SIGNED	4	SDWASR00	GPR 0.
140	(8C)	SIGNED	4	SDWASR01	GPR 1.
144	(90)	SIGNED	4	SDWASR02	GPR 2.
148	(94)	SIGNED	4	SDWASR03	GPR 3.
152	(98)	SIGNED	4	SDWASR04	GPR 4.
156	(9C)	SIGNED	4	SDWASR05	GPR 5.
160	(A0)	SIGNED	4	SDWASR06	GPR 6.
164	(A4)	SIGNED	4	SDWASR07	GPR 7.
168	(A8)	SIGNED	4	SDWASR08	GPR 8.
172	(AC)	SIGNED	4	SDWASR09	GPR 9.
176	(B0)	SIGNED	4	SDWASR10	GPR 10.
180	(B4)	SIGNED	4	SDWASR11	GPR 11.
184	(B8)	SIGNED	4	SDWASR12	GPR 12.
188	(BC)	SIGNED	4	SDWASR13	GPR 13.
192	(C0)	SIGNED	4	SDWASR14	GPR 14.
196	(C4)	SIGNED	4	SDWASR15	GPR 15.
200	(C8)	CHARACTER	4	SDWAIDNT (0)	SDWA IDENTIFICATION ATTRIBUTES
200	(C8)	CHARACTER	1	SDWASPID	SUBPOOL ID OF STORAGE CONTAINING THIS SDWA
201	(C9)	CHARACTER	3	SDWALNTH	LENGTH OF THIS SDWA IN BYTES
204	(CC)	CHARACTER	28	SDWAMCH (0)	CONTAINS MACHINE CHECK DATA IF SDWAMCHK IS ON
204	(CC)	CHARACTER	8	SDWASTCK (0)	BEGINNING AND ENDING STORAGE CHECK ADDRESSES. FILLED IN DUE TO STORAGE ERROR (SDWASCK) OR A KEY FAILURE (SDWASKYF). THESE ADDRESSES ARE VALID ONLY IF INDICATED BY THE SDWASRVL FLAG.
204	(CC)	ADDRESS	4	SDWASCKB	BEGINNING VIRTUAL ADDRESS OF STORAGE CHECK
208	(D0)	ADDRESS	4	SDWASCKE	ENDING VIRTUAL ADDRESS OF STORAGE CHECK
212	(D4)	BITSTRING	2	SDWAMCHI (0)	ADDITIONAL MCH INFORMATION FLAGS
212	(D4)	BITSTRING	1	SDWAMCHS	MCH FLAG BYTE
		1...		SDWASRVL	"X'80'" ON,STORAGE ADDRESSES SUPPLIED (SDWASTCK, SDWARFSA) ARE VALID. On z/Architecture system, SDWARFSA contains only the low word of the FSA. SDWARFSE contains the 8-byte FSA.
		.1..		SDWARCDF	"X'40'" ON,MACHINE CHECK RECORD NOT RECORDED
		..1.		SDWATSVL	"X'20'" ON,TIME STAMP IS VALID
		...1		SDWAINVP	"X'10'" ON,STORAGE IS RECONFIGURED, PAGE IS INVALIDATED
		.... 1...		SDWARSRC	"X'08'" ON,STORAGE RECONFIGURATION (SDWARSR1,SDWARSR2) STATUS AVAILABLE.
		.... .1..		SDWARSRF	"X'04'" ON,STORAGE RECONFIGURATION NOT ATTEMPTED. (SDWARSR1 AND SDWARSR2 ARE INVALID)
		.... ..1.		SDWAVRIV	"X'02'" ON, INDICATES VECTOR REGISTERS ARE UNPREDICTABLE
		1		SDWAARGU	"X'01'" ON, INDICATES ACCESS REGISTERS ARE UNPREDICTABLE
213	(D5)	BITSTRING	1	SDWAMCHD	INPUT INFORMATION TO RECOVERY ROUTINE CONCERNING A MACHINE CHECK ERROR
		1...		SDWASKYF	"X'80'" ON,STORAGE KEY FAILURE
		.1..		SDWAREGU	"X'40'" ON,GENERAL PURPOSE REGISTER CONTENTS AT TIME OF MACHINE CHECK UNPREDICTABLE
		..1.		SDWAPSWU	"X'20'" ON,PSW AND/OR CONTROL REGISTERS AT TIME OF MACHINE CHECK UNPREDICTABLE
		...1		SDWASCK	"X'10'" ON,INDICATES STORAGE DATA CHECK
		.... 1...		SDWAACR	"X'08'" ON,INDICATES ACR REQUEST
		.... .1..		SDWAINSF	"X'04'" ON,INSTRUCTION FAILURE
		.... ..1.		SDWAFPRX	"X'02'" ON,CONTENTS OF FLOATING POINT REGISTERS AT TIME MACHINE CHECK ARE UNPREDICTABLE
		1		SDWATERR	"X'01'" ON,TIMER ERROR - CAUSES ENTRY TO RECOVERY ROUTINES ONLY IF LOGOUT FAILED.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
214	(D6)	CHARACTER	2	SDWACPID	ID OF OF FAILING CPU CAUSING ACR
216	(D8)	BITSTRING	1	SDWARSR1	ADDITIONAL STORAGE FRAME ERROR INDICATORS AS RETURNED FROM REAL STORAGE RECONFIGURATION.
		..1.		SDWAPREF	"X'20'" PREFERRED FRAME
		...1		SDWAVRCN	"X'10'" V = R CANDIDATE - CAN GO OFFLINE
		.... 1...		SDWANSWP	"X'08'" LONG-TERM NON-SWAPPABLE ADDRESS SPACE
		.... .1..		SDWANSWA	"X'04'" NON-SWAPPABLE ADDRESS SPACE
		.... ..1.		SDWAMSER	"X'02'" STORAGE ERROR ALREADY SET IN FRAME.
		1		SDWACHNG	"X'01'" CHANGE INDICATOR WAS ON IN FRAME.
217	(D9)	BITSTRING	1	SDWARSR2	ADDITIONAL STORAGE ERROR INDICATORS.
		1...		SDWAOFLN	"X'80'" FRAME OFFLINE OR SCHEDULED TO GO OFFLINE IF SDWAINTC IS ON
		.1..		SDWAINTC	"X'40'" INTERCEPT THE FRAME IS SCHEDULED TO GO OFFLINE, OR THE FRAME HAS INCURRED A STORAGE ERROR, OR IS V=R INTERCEPTED
		..1.		SDWASPER	"X'20'" STORAGE ERROR PERMANENT ON FRAME.
		...1		SDWANUCL	"X'10'" FRAME CONTAINS PERMANENT RESIDENT STORAGE, I.E. NUCLEUS.
		.... 1...		SDWAFSQA	"X'08'" FRAME IN SQA
		.... .1..		SDWAFLSQ	"X'04'" FRAME IN LSQA
		.... ..1.		SDWAPGFX	"X'02'" FRAME IS PAGE FIXED
		1		SDWAVEQR	"X'01'" FRAME IS VIRTUAL = REAL
218	(DA)	BITSTRING	1	SDWAMCHO	OTHER MACHINE CHECK FLAGS
		1...		SDWASKPR	"X'80'" SKIP RECORDING REQUESTED BY MACHINE CHECK
219	(DB)	CHARACTER	1		RESERVED
220	(DC)	ADDRESS	4	SDWARFSA	REAL STORAGE FAILING ADDRESS (VALID ONLY IF INDICATED BY SDWASRVL)
224	(E0)	CHARACTER	8	SDWATIME	TIME STAMP OF ASSOCIATED MACHINE CHECK RECORD
232	(E8)	BITSTRING	4	SDWAFLGS (0)	INPUT FLAGS DESCRIBING REASONS AND CONDITIONS FOR ENTERING A RECOVERY EXIT ROUTINE.
232	(E8)	BITSTRING	1	SDWAERRA	ERROR TYPE CAUSING ENTRY TO RECOVERY EXIT
		1...		SDWAMCHK	"X'80'" ON INDICATES MACHINE CHECK
		.1..		SDWAPCHK	"X'40'" ON INDICATES PROGRAM CHECK
		..1.		SDWARKEY	"X'20'" ON INDICATES CONSOLE RESTART KEY WAS DEPRESSED
		...1		SDWASVCD	"X'10'" ON INDICATES TASK ISSUED SVC 13
		.... 1...		SDWAABTM	"X'08'" ON INDICATES SYSTEM FORCED SVC 13(I.E.ABTERM)
		.... .1..		SDWASVCE	"X'04'" ON,INDICATES AN SVC WAS ISSUED BY A LOCKED OR SRB ROUTINE
		.... ..1.		SDWATEXC	"X'02'" ON,INDICATES AN UNRECOVERABLE TRANSLATION FAILURE
		1		SDWAPGIO	"X'01'" ON,INDICATES A PAGE I/O ERROR
		1		SDWASTRM	"X'01'" ON,INDICATES AN RTM1 SERVICE ROUTINE (SUCH AS IEAVTSR1 PROCESSING ITERM OR IEAVTRTM PROCESSING STERM) SCHEDULED RTM1 TO CONTINUE PROCESSING AS AN SVC ERROR (BY PUTTING SVC 13 IN THE PSW TO BE DISPATCHED).
233	(E9)	BITSTRING	1	SDWAERRB	ADDITIONAL ERROR ENTRY INFORMATION
		1...		SDWAPDIP	"X'80'" ON INDICATES THAT THIS TASK WAS PARALLEL DETACHED - RECOVERY ROUTINES FOR OTHER TASKS IN THIS ADDRESS SPACE MAY BE EXECUTING AT THE SAME TIME AS THIS RECOVERY ROUTINE
		.... 1...		SDWATYP1	"X'08'" ON TYPE 1 SVC IN CONTROL AT TIME OF ERROR
		.... .1..		SDWAENRB	"X'04'" ON ENABLED RB IN CONTROL AT TIME OF ERROR
		.... ..1.		SDWALDIS	"X'02'" ON A LOGICALLY OR PHYSICALLY DISABLED ROUTINE WAS IN CONTROL AT THE TIME OF ERROR.
		1		SDWASRBM	"X'01'" ON SYSTEM IN SRB MODE AT TIME OF ERROR
234	(EA)	BITSTRING	1	SDWAERRC	ADDITIONAL ERROR ENTRY INFORMATION
		1...		SDWASTAF	"X'80'" ON INDICATES A PREVIOUS (E)STA OR FRR EXIT FAILED.
		.1..		SDWASTAI	"X'40'" ON A (E)STAI EXIT PREVIOUSLY RECEIVED CONTROL

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		..1.		SDWAIRB	"X'20'" ON AN IRB PRECEDED THE RB THAT IS ASSOCIATED WITH THIS EXIT
		...1		SDWAPERC	"X'10'" ON THIS RECOVERY ROUTINE IS BEING PERCOLATED TO
		.... 1...		SDWAEAS	"X'08'" ON INDICATES A LOWER LEVEL EXIT HAS RECOGNIZED AN ERROR AND PROVIDED SERVICEABILITY INFORMATION
		.... .1..		SDWASKIP	"X'04'" ON INDICATES FRRS WERE SKIPPED
		.... ..1.		SDWALCL	"X'02'" ON IND ENTRY AS A LOCAL RESOURCE MGR
		1		SDWAGLBL	"X'01'" ON IND ENTRY AS A GLOBAL RESOURCE MGR
235	(EB)	BITSTRING	1	SDWAERRD	ADDITIONAL ERROR ENTRY INFORMATION
		1...		SDWACLUP	"X'80'" ON INDICATES RECOVERY EXIT ONLY TO CLEANUP AND NOT RETRY (IF ESTA EXIT AND 33E COMPLETION CODE THE DUMP IS TAKEN AFTER ENTRY TO THE RECOVERY ROUTINE,IF THE COMPLETION CODE IS OTHER THAN 33E AND IT IS AN ESTA EXIT THE DUMP IS TAKEN BEFORE ENTRY TO THE RECOVERY ROUTINE)
		.1..		SDWANRBE	"X'40'" ON RB ASSOCIATED WITH THIS ESTA EXIT WAS NOT IN CONTROL AT TIME OF ERROR NEVER ON FOR FRRS
		..1.		SDWASTAE	"X'20'" ON THIS ESTA EXIT HAS BEEN ENTERED FOR A PREVIOUS ABEND NEVER ON FOR FRRS
		...1		SDWACTS	"X'10'" ON,THIS TASK WAS NOT IN CONTROL AT TIME OF ERROR BUT A TASK WITHIN THE SAME JOBSTEP TREE REQUESTED A 'STEP' ABEND. ONLY 'ON' IF SDWACLUP IS 'ON'
		.... 1...		SDWAMABD	"X'08'" ON,THIS TASK WAS NOT IN CONTROL AT TIME OF ERROR BUT AN ANCESTOR OF THIS TASK HAS ABEND'ED ONLY 'ON' IF SDWACLUP IS 'ON'.
		.... .1..		SDWARPIV	"X'04'" ON, THE REGISTERS, PSW AND CONTROL REGISTERS AT TIME OF ERROR ARE UNAVAILABLE
		.... ..1.		SDWAMCIV	"X'02'" ON,MACHINE CHECK ERROR INFORMATION IS UNAVAILABLE.
		1		SDWAERFL	"X'01'" ON,ERRORID INFORMATION AVAILABLE
236	(EC)	CHARACTER	2	SDWAFMID	ASID OF MEMORY IN WHICH ERROR OCCURRED. =0, IF THE MEMORY IS CURRENT NOT=0, IF OTHER MEMORY IS CURRENT FOR FRRS- IF THE VALUE IS NON ZERO THE FRR IS RECEIVING CONTROL IN THE MASTER SCHEDULER ADDRESS SPACE AND CANNOT ADDRESS THE PRIVATE AREA OF THE FAILING ADDRESS SPACE. FOR ESTA- IF THE VALUE IS NON ZERO ENTRY IS DUE TO CROSS MEMORY ABTERM.
238	(EE)	BITSTRING	1	SDWAIOFS	THIS IS THE CURRENT I/O STATUS (THE I/O PROCESSING REQUESTED BY THE FIRST (E)STA EXIT IS THE ONLY REQUEST HONORED)
		1...		SDWAIOQR	"X'80'" ON,I/O FOR FAILING PROGRAM HAS BEEN QUIESCED AND IS RESTOREABLE
		.1..		SDWAIOHT	"X'40'" ON,I/O FOR FAILING PROGRAM HAS BEEN HALTED AND IS NOT RESTOREABLE
		..1.		SDWANOIO	"X'20'" ON,FAILING PROGRAM HAS NO I/O OUTSTANDING
		...1		SDWANIOP	"X'10'" ON,USER REQUESTED NO I/O PROCESSING
239	(EF)	CHARACTER	1	SDWACPUI	ERRORID LOGICAL CPUID
240	(F0)	ADDRESS	4	SDWARTYA (0)	ADDRESS OF RETRY ROUTINE
240	(F0)	BITSTRING	1	SDWARTYF	ADDRESSING MODE INDICATOR BYTE
		1...		SDWAAMOD	"X'80'" ADDRESSING MODE OF THE RETRY ROUTINE
241	(F1)	ADDRESS	3		LOW THREE ORDER BYTES OF RETRY ADDRESS
244	(F4)	ADDRESS	4	SDWARECA	ADDRESS OF VARIABLE RECORDING AREA WITHIN SDWA
248	(F8)	CHARACTER	4	SDWACPUA (0)	ADDRESS OF CPU HOLDING RESOURCE WHICH CAUSES VALID SPIN ON CURRENT CPU - USED WITH RESTART KEY ERROR TYPE.IF THIS FIELD IS VALIDLY FILLED IN BY AN FRR THE FRRS MAINLINE PROGRAM WILL BE RESUMED AT THE NEXT SEQUENTIAL INSTRUCTION. NOT VALID FOR ESTAE EXITS.
248	(F8)	CHARACTER	2		RESERVED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
250	(FA)	SIGNED	2	SDWALCPU	LOGICAL ADDRESS OF CPU HOLDING RESOURCE
252	(FC)	BITSTRING	4	SDWAPARQ (0)	FLAGS SET BY RECOVERY ROUTINE TO REQUEST FURTHER PROCESSING ACTION
252	(FC)	BITSTRING	1	SDWARCDE	RETURN CODE FROM RECOVERY ROUTINE TO INDICATE RETRY OR TERMINATION
252	(FC)	X'0'	0	SDWACWT	"0" 0 ,CONTINUE WITH TERMINATION. THIS INDICATION IMPLIES PERCOLATION
252	(FC)	X'4'	0	SDWARETY	"4" 4 ,RETRY USING RETRY ADDRESS IN SDWARTYA FIELD
252	(FC)	X'10'	0	SDWAPSTI	"16" 16,PREVENT FURTHER (E)STAI PROCESSING
253	(FD)	BITSTRING	1	SDWAACF2	FLAGS TO INDICATE ADDITIONAL PROCESSING REQUESTS
		1...		SDWARCRD	"X'80'" ON,RECORDING REQUESTED
		.1..		SDWARFXM	"X'40'" ON,RETRY TO FULLXM AT TIME OF FRR SET. CAN BE USED BY BY MODE=PRIMARY FRRS
		..1.		SDWASPIN	"X'20'" ON,PROGRAM INTERRUPTED VIA THE RESTART KEY WAS IN A VALID SPIN(SET BY THE SETRP MACRO WHEN CPU ADRESS IS SPECIFIED ALONG WITH THE CPU ADDRESS IN SDWACPUA FIELD TO ALLOW RESTART OF THE ALTERNATE CPU)
		...1		SDWARERR	"X'10'" ON,RETRY USING THE CROSS MEMORY ADDRESSING ENVIRONMENT AT THE TIME OF THE ERROR. OFF,RETRY USING THE CROSS MEMORY ADDR ENV ON ENTRY TO THE FRR.
		.... 1...		SDWAUPRG	"X'08'" ON,UPDATED REGISTERS STARTING WITH SDWASR00 ARE TO BE USED FOR RETRY
		.... .1..		SDWAFREE	"X'04'" ON, SDWA (RTCA) TO BE FREED PRIOR TO RETRY. ONLY VALID FOR ESTA TYPE EXITS.
		.... ..1.		SDWASERP	"X'02'" ON,SERIALIZE PERCOLATION (USED WHEN AN SRB MODE FRR PERCOLATES SERIALLY TO A RELATED TASK)
		1		SDWACML	"X'01'" ON,FREE THE CROSS MEMORY LOCAL LOCK
254	(FE)	BITSTRING	1	SDWAACF3	FLAGS INDICATING SOME GLOBAL LOCKS TO BE FREED. ONLY VALID FOR FRRS. OTHER LOCKS ARE INDICATED AT SDWAFLK1 AND SDWAFLK2.
		1...		SDWAFRSX	"X'80'" ON, THE RSM CROSS MEMORY CLASS LOCK
		.1..		SDWAFRSA	"X'40'" ON, THE RSM ADDRESS SPACE CLASS LOCK
		..1.		SDWAFVSP	"X'20'" ON, THE VSM PAGE LOCK
		...1		SDWADISP	"X'10'" ON,THE DISPATCHER LOCK
		.... 1...		SDWAASMP	"X'08'" ON,THE ASM CLASS LOCK Z40WPXH
		.... .1..		SDWASALL	"X'04'" ON, THE SALLOC LOCK
		.... ..1.		SDWAIPRG	"X'02'" ON, THE IOSYNCH LOCK
		1		SDWAFRSD	"X'01'" ON, THE RSM DATA SPACE LOCK
255	(FF)	BITSTRING	1	SDWAACF4	ADDITIONAL LOCKS TO BE FREED, OR ADDITIONAL PROCESSING FOR FRRS
		1...		SDWAIUCB	"X'80'" ON, FREE IOSUCB LOCK
		.... 1...		SDWATADB	"X'08'" RESERVED LOCK Z40WPXH
		.... .1..		SDWAOPTM	"X'04'" ON, FREE SYSTEM RESOURCES MGR(SRM) LOCK
		.... ..1.		SDWACMS	"X'02'" ON, FREE CMS LOCK
		1		SDWAFLLK	"X'01'" ON, FREE LOCAL LOCK
256	(100)	CHARACTER	32	SDWALKWA (0)	LOCK AREA
256	(100)	CHARACTER	32	SDWALKWS (0)	LOCKWORDS REQUIRED TO FREE GLOBAL LOCKS ONLY USED FOR FRRS
256	(100)	ADDRESS	4	SDWALRSD	LOCKWORD FOR THE RSM DATA SPACE LOCK
260	(104)	ADDRESS	4	SDWAIULW	LOCKWORD FOR THE IOSUCB LOCK
264	(108)	ADDRESS	4		LOCKWORD - RESERVED
268	(10C)	ADDRESS	4	SDWAIPLW	LOCKWORD FOR THE IOSYNCH LOCK
272	(110)	ADDRESS	4	SDWAAPLW	LOCKWORD FOR THE ASM CLASS LOCK Z40WPXH
276	(114)	ADDRESS	4		RESERVED
280	(118)	ADDRESS	4		RESERVED
284	(11C)	ADDRESS	4	SDWATALW	LOCKWORD - RESERVED Z40WPXH
288	(120)	CHARACTER	2	SDWAASID	ASID FOR LOGREC DEBUGGING (HOME ASID)
290	(122)	CHARACTER	2	SDWASEQ#	ERRORID SEQUENCE NUMBER
292	(124)	CHARACTER	24	SDWARECP (0)	RECORDING PARAMETERS (MODULE,CSECT AND RECOVERY ROUTINE NAMES-RESPECTIVELY)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
292	(124)	CHARACTER	8	SDWAMODN	THE LOAD MODULE NAME INVOLVED IN THE ERROR (SUPPLIED BY THE RECOVERY ROUTINE)
300	(12C)	CHARACTER	8	SDWACSCT	THE CSECT (MICROFICHE) NAME INVOLVED IN THE ERROR (SUPPLIED BY THE RECOVERY ROUTINE)
308	(134)	CHARACTER	8	SDWAREXN	THE RECOVERY ROUTINE (MICROFICHE) NAME HANDLING THE ERROR (SUPPLIED BY THE RECOVERY ROUTINE)
316	(13C)	ADDRESS	4	SDWADPLA	POINTER TO DUMP PARAMETER LIST RESIDING IN SDWA
320	(140)	CHARACTER	8	SDWASNPA (0)	SNAP PARAMETER LIST FLAGS
320	(140)	CHARACTER	4	SDWADUMP (0)	DUMP CHARACTERISTICS
320	(140)	CHARACTER	1	SDWADPID	ID OF DUMP REQUESTED
321	(141)	BITSTRING	1	SDWADPFS	DUMP FLAGS
		1...		SDWADPT	"X'80'" ALWAYS OFF, INDICATES SNAP DUMP REQUEST
		.1..		SDWADLST	"X'40'" ALWAYS ON, INDICATES OS/VS2 REL. 2 DUMP PARAMETER LIST SUPPLIED USED BY RTM TO INDICATE DUMP OPTIONS ARE AVAILABLE IN THE SDWA
		..1.		SDWAENSN	"X'20'" ON,ENHANCED DUMP OPTIONS
		.... ..1.		SDWASLST	"X'02'" ON,STORAGE LISTS SUPPLIED FOR DUMP
322	(142)	BITSTRING	1	SDWADPF2	DUMP FLAGS 2
		1...		SDWADVS3	"X'80'" ON, STORAGE RANGES IN SDWADSR, OFF, STORAGE RANGES IN SDWADPSL
		.... 1...		SDWAXLST	"X'08'" ON,DATA SPACE STORAGE LISTS SUPPLIED FOR DUMP
		.... .1..		SDWALVL2	"X'04'" ON, MVS/SP2.1 VERSION OF SNAP PARMLIST
		.... ..1.		SDWASUBL	"X'02'" ON, SUBPOOL LIST SUPPLIED
323	(143)	CHARACTER	1		RESERVED
324	(144)	CHARACTER	4	SDWADDAT (0)	SDATA AND PDATA OPTIONS
324	(144)	CHARACTER	2	SDWASDAT (0)	SDATA OPTIONS
324	(144)	BITSTRING	1	SDWASDA0	SDATA OPTIONS FLAG ONE
		1...		SDWANUC	"X'80'" DISPLAY NUCLEUS
		.1..		SDWASQA	"X'40'" DISPLAY SQA
		..1.		SDWALSQA	"X'20'" DISPLAY LSQA
		...1		SDWASWA	"X'10'" DISPLAY SWA
		.... 1...		SDWAGTF	"X'08'" DISPLAY GTF INCORE TRACE TABLE
		.... .1..		SDWACBS	"X'04'" FORMAT AND DISPLAY CONTROL BLOCKS
		.... ..1.		SDWAQQS	"X'02'" FORMAT AND DISPLAY QCBS/QELS
		1		SDWADM	"X'01'" FORMAT DATA MGT CONTROL BLOCKS
325	(145)	BITSTRING	1	SDWASDA1	SDATA OPTIONS
		1...		SDWAIO	"X'80'" FORMAT I/O SUPERVISOR CONTROL BLOCKS
		.1..		SDWAERR	"X'40'" FORMAT ERROR CONTROL BLOCKS
		...1		SDWASUM	"X'10'" PROVIDE SUMMARY DUMP
		.... 1...		SDWAALLN	"X'08'" DISPLAY ENTIRE VIRTUAL NUCLEUS
326	(146)	BITSTRING	1	SDWAPDAT	PDATA OPTIONS
		1...		SDWADSAS	"X'80'" DISPLAY SAVE AREAS
		.1..		SDWADSAH	"X'40'" DISPLAY SAVE AREA HEADER
		..1.		SDWADREG	"X'20'" DISPLAY REGISTERS
		...1		SDWATLPA	"X'10'" DISPLAY LPA MODULES OF TASK
		.... 1...		SDWATJPA	"X'08'" DISPLAY JPA MODULES OF TASK
		.... .1..		SDWADPSW	"X'04'" DISPLAY PSW
		.... ..1.		SDWAUSPL	"X'02'" DISPLAY USER SUBPOOLS
327	(147)	BITSTRING	1		RESERVED
328	(148)	CHARACTER	36	SDWADPSA (0)	DUMP RANGES AREA
328	(148)	CHARACTER	32	SDWADPSL (0)	DUMP STORAGE LISTS (MAX 4 RANGES AVAILABLE)
328	(148)	ADDRESS	4	SDWAFRM1	BEGINNING ADDRESS FOR STORAGE RANGE 1
332	(14C)	ADDRESS	4	SDWATO1	ENDING ADDRESS FOR STORAGE RANGE 1
336	(150)	ADDRESS	4	SDWAFRM2	BEGINNING ADDRESS FOR STORAGE RANGE2
340	(154)	ADDRESS	4	SDWATO2	ENDING ADDRESS FOR STORAGE RANGE 2
344	(158)	ADDRESS	4	SDWAFRM3	BEGINNING ADDRESS FOR STORAGE RANGE 3
348	(15C)	ADDRESS	4	SDWATO3	ENDING ADDRESS FOR STORAGE RANGE 3
352	(160)	ADDRESS	4	SDWAFRM4	BEGINNING ADDRESS FOR STORAGE RANGE 4
356	(164)	ADDRESS	4	SDWATO4	ENDING ADDRESS FOR STORAGE RANGE 4
360	(168)	ADDRESS	4		RESERVED SDWAVERI IS TO INDICATE THE VERSION OF THE SDWA VIA A NUMBER IN THE SDWAVID
364	(16C)	CHARACTER	4	SDWAVERI (0)	SDWA VERSION INDICATOR
364	(16C)	CHARACTER	2	SDWAVERF	FFFF INDICATES VID FIELD IS VALID

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
366	(16E)	CHARACTER	2	SDWAVID	VERSION INDICATOR, EXPLAINED AS FOLLOWS: 1, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT RELEASE 2 LEVEL 2, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT VERSION 2 RELEASE 1 LEVEL 3, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT JBB2110 LEVEL. 4, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT HBB3310 LEVEL. 5, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT HBB4410 LEVEL. 6, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT HBB5510 LEVEL. 7, indicates the SDWA is at an OS/390 R10 HBB7703 level *and* that it contains the SDWARC4 extension
366	(16E)	X'1'	0	SDWAVS3	"1" 1, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT RELEASE 2 LEVEL
366	(16E)	X'2'	0	SDWAVS4	"2" 2, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT VERSION 2 RELEASE 1 LEVEL
366	(16E)	X'3'	0	SDWAVS5	"3" 3, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT JBB2110 LEVEL.
366	(16E)	X'4'	0	SDWAVS6	"4" 4, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT HBB3310 LEVEL.
366	(16E)	X'5'	0	SDWAVS7	"5" 5, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT HBB4410 LEVEL.
366	(16E)	X'6'	0	SDWAVS8	"6" 6, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT HBB5510 LEVEL.
366	(16E)	X'7'	0	SDWAVS9	"7" 7, indicates the SDWA is at an OS/390 R10 HBB7703 level *and* that it contains the SDWARC4 extension
366	(16E)	X'7'	0	SDWAVSN	"7" 7, indicates the SDWA is at an OS/390 R10 HBB7703 level *and* that it contains the SDWARC4 extension IF THE VALUE OF THIS EQUATE IS CHANGED, ADD A NEW SDWAVSX WHERE X IS THE NUMBER THAT FOLLOWS THE LAST SDWAVSX FIELD, AND MAKE THE EQUATE EQUAL TO SDWAVSN. ALSO DOCUMENT THE VALUE IN SDWAVID AS ABOVE. REFER TO MODULE IEAVTFRO FOR INSTRUCTIONS ON WHICH MODULES NEED TO CHANGE AND RECOMPILE
368	(170)	ADDRESS	4	SDWAXPAD	ADDR OF THE EXTENSION POINTERS (SDWAPTRS)
372	(174)	CHARACTER	12	SDWAXM (0)	CROSS MEMORY INFORMATION
372	(174)	CHARACTER	8	SDWACRGS (0)	CONTROL REGISTERS 3 AND 4
372	(174)	CHARACTER	4	SDWACR3 (0)	CONTROL REGISTER 3
372	(174)	CHARACTER	2	SDWAKM	KEY MASK
374	(176)	CHARACTER	2	SDWASCND	ASID OF THE SECONDARY ADDR SPACE -SASID
376	(178)	CHARACTER	4	SDWACR4 (0)	CONTROL REGISTER 4
376	(178)	CHARACTER	2	SDWAAX	AUTHORIZATION INDEX
378	(17A)	CHARACTER	2	SDWAPRIM	ASID OF THE PRIMARY ADDR SPACE -PASID
380	(17C)	ADDRESS	4	SDWACMLA	ADDRESS OF ASCB OF CML TO BE FREED
384	(180)	CHARACTER	8	SDWACOMU	FRR TO ESTAE COMMUNICATION BUFFER
392	(188)	ADDRESS	4	SDWACOMP	THIS WORD IS PROVIDED FOR COMMUNICATION OF ADDITIONAL RECOVERY DATA ON A PER COMPONENT BASIS (FOR OS/VS2 RELEASE 2 THIS FIELD IS ONLY USED BY DATA MANAGER)
396	(18C)	CHARACTER	4	SDWAERTM	ERRORID TIME STAMP
400	(190)	CHARACTER	264	SDWARA (0)	VARIABLE RECORDING AREA PREFIXED BY A TWO BYTE LENGTH FIELD OF AREA, A ONE BYTE FLAG FIELD, AND A ONE BYTE FIELD WITH LENGTH OF USER SUPPLIED RECORDING INFORMATION
400	(190)	CHARACTER	2	SDWAVRAL	LENGTH OF VARIABLE RECORDING AREA
402	(192)	BITSTRING	1	SDWADPVA	BITS THAT DEFINE DATA IN VARIABLE AREA
		1...		SDWAHEX	"X'80'" SDWAVRA DATA TO BE PRINTED BY EREP IN HEX
		.1..		SDWAEBC	"X'40'" SDWAVRA DATA TO BE PRINTED BY EREP IN EBCDIC
		..1.		SDWAVRAM	"X'20'" SDWAVRA DATA IS IN THE FORMAT MAPPED BY THE VRAMAP DSECT (IHAVRA MACRO)

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
403	(193)	BITSTRING	1	SDWAURAL	LENGTH OF USER SUPPLIED INFORMATION IN THE VARIABLE RECORDING AREA (ZEROED BEFORE EACH RECOVERY ROUTINE IS INVOKED)
404	(194)	CHARACTER	255	SDWAVRA	VARIABLE RECORDING AREA
659	(293)	CHARACTER	5	SDWAID	CONTAINS 'SDWA ' AS ID
664	(298)	DBL WORD	8	SDWAEND (0)	END OF NON-EXTENDED SDWA

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SDWARC1	, RECORDABLE EXTENSION, BASED ON SDWASRVP
0	(0)	CHARACTER	456	SDWASERV (0)	ADDITIONAL COMPONENT SERVICE DATA
0	(0)	CHARACTER	118	SDWARC1Z (0)	CAN BE ZEROED ON PERCOLATION.
0	(0)	CHARACTER	5	SDWACID	COMPONENT ID OF THE COMPONENT INVOLVED IN THE ERROR (FOR EXAMPLE, SC1CR)
5	(5)	CHARACTER	23	SDWASC	NAME OF THE SUBCOMPONENT AND THE MODULE SUBFUNCTION INVOLVED IN THE ERROR
28	(1C)	CHARACTER	16	SDWAMLVL (0)	LEVEL OF THE MODULE INVOLVED IN THE ERROR
28	(1C)	CHARACTER	8	SDWAMDAT	ASSEMBLY DATE OF THE MODULE INVOLVED IN THE ERROR
36	(24)	CHARACTER	8	SDWAMVRS	VERSION OF THE MODULE - PTF OR PRODUCT NUMBER
44	(2C)	CHARACTER	4	SDWACRC (0)	THIS FIELD CONTAINS THE ABEND REASON CODE THAT WAS SET VIA AN ABEND, CALLRTM, OR SETRP MACRO. IT IS VALID ONLY IF SDWARCF IS SET ON. NOTE THAT THIS FIELD SHOULD NOT BE CONFUSED WITH THE RETURN CODE THAT SOME PROGRAMS PLACE INTO REGISTER 15 BEFORE ISSUING AN ABEND.
44	(2C)	SIGNED	4	SDWAHRC	HEXADECIMAL DECLARE FOR SDWACRC
48	(30)	CHARACTER	8	SDWARRL	ENTRY POINT LABEL OF THE RECOVERY ROUTINE THAT FILLED IN THIS SDWA
56	(38)	CHARACTER	4	SDWACIDB	THE COMPONENT ID BASE (PREFIX) NUMBER, SUCH AS 5741.
60	(3C)	SIGNED	1	SDWASDRC	SVCDUMP STATUS INDICATOR (FOR USE BY SDUMP)
61	(3D)	CHARACTER	1	SDWACCRC	FLAGS FOR COMPCODE AND REASON CODE
		1...		SDWACCF	"X'80'" =1, IF RECOVERY EXIT ALTERED COMPCODE
		.1..		SDWAREAF	"X'40'" =1, IF RECOVERY EXIT ALTERED REASON CODE
62	(3E)	BITSTRING	1	SDWARETF	SDWA RETRY FLAGS
		1...		SDWART15	"X'80'" ON, SET REGISTER 15 ON RETRY TO THE VALUE IN SDWASR15. OFF, SET REGISTER 15 ON RETRY TO THE RETRY ADDRESS, REGARDLESS OF THE VALUE IN SDWASR15. ONLY VALID FOR FRRS
		.1..		SDWAREMR	"X'40'" ON, REMOVE RECOVERY ROUTINE ON RETRY OFF, DONT REMOVE RECOVERY ROUTINE ON RETRY
		..1.		SDWAFRLK	"X'20'" ON, FREE LOCKS ON A RETRY WHOSE BIT SETTINGS IN THE SDWA HAVE BEEN TURNED ON OFF, DO NOT FREE ANY LOCKS ON A RETRY
		...1		SDWAUP64	"X'10'" If on, use the 64-bit GPRs for setting the retry regs. Only valid when SDWARC4 extension exists.
		.... 1...		SDWAKEAX	"X'08'" ON, when retrying keep the current EAX rather than resetting EAX to time-of-FRR-set
63	(3F)	BITSTRING	1	SDWATYPE	TYPE OF RECOVERY ROUTINE THAT RTM GAVE CONTROL TO: 0 - NO RECOVERY WAS SET UP 1 - FRR 2 - NON FRR (ESTAE, ESTAI, ETC.) 3 - ARR (ASSOCIATED RECOVERY ROUTINE)
63	(3F)	X'0'	0	SDWANREC	"0" NO RECOVERY WAS SET UP
63	(3F)	X'1'	0	SDWATFRR	"1" FRR WAS GIVEN CONTROL
63	(3F)	X'2'	0	SDWATEST	"2" ESTAE/I/X WAS GIVEN CONTROL
63	(3F)	X'3'	0	SDWATARR	"3" ARR WAS GIVEN CONTROL
64	(40)	CHARACTER	4	SDWAHLHI	ON ENTRY TO A FRR: COPY OF PSAHLHI (HIGHEST LOCK HELD INDICATOR) ON ENTRY TO AN ESTAE: 0
68	(44)	CHARACTER	4	SDWASUPR	ON ENTRY TO A FRR: COPY OF PSASUPER (SUPERVISOR CONTROL WORD) ON ENTRY TO AN ESTAE: 0

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
72	(48)	CHARACTER	4	SDWASPN	ON ENTRY TO A FRR: COPY OF LCCASPIN (PROCESSOR IS SPINNING INDICATORS) ON ENTRY TO AN ESTAE: 0
76	(4C)	CHARACTER	4	SDWAEADR	FRR OR ESTAE RECOVERY ROUTINE ADDRESS. =0 IF NO FRR EXISTED WHEN RTM1 RECIEVED CONTROL TO PROCESS A SYSTEM MODE ERROR.
80	(50)	CHARACTER	24	SDWAFRRE	IF FRR EXISTS: COPY OF FRR PARAMETER AREA FROM THE CURRENT FRR STACK ENTRY ON ENTRY TO AN ESTAE: 0
104	(68)	CHARACTER	4	SDWASDRN	SDUMP REASON FLAGS FOR TAKING PARTIAL DUMP. SEE RTSDSRSN FIELD IN RTSD. ADDITIONS TO SDWARC1 - 40 BYTES
108	(6C)	CHARACTER	10	SDWADAEW (0)	STRUCTURE FOR DAE INFO
108	(6C)	CHARACTER	8	SDWADAET	DAE STATUS FLAGS MAPPED BY ADYDSTAT
116	(74)	CHARACTER	2	SDWAOCUR	NUMBER OF OCCURRENCES OF THIS PROBLEM. IF 0 THEN DAE DID NOT CHECK FOR DUPLICATE OCCURRENCES. IF 1 THEN THIS IS THE FIRST OCCURRENCE OF THIS PROBLEM. IF GREATER THAN 1 THEN THIS IS THE COUNT OF HOW MANY TIMES THIS DUMP REQUEST HAS OCCURRED WHILE DAE WAS ACTIVE.
118	(76)	CHARACTER	34	SDWARC1P (0)	THIS PART IS TO BE PRESERVED ON PERCOLATION AND NOT ZEROED
118	(76)	CHARACTER	6	SDWAPGTA (0)	CONTAINING STRUCTURE AS IN LCCAPGTA
118	(76)	CHARACTER	2	SDWAASI1	ADDRESS SPACE ID OF TASK FOR PURGEDQ
120	(78)	SIGNED	4	SDWATCB	ADDRESS OF TCB FOR PURGEDQ
124	(7C)	CHARACTER	28	SDWART12 (0)	USED FOR FILLING IN EED'S
124	(7C)	CHARACTER	12	SDWAFAIN	12 BYTES OF INSTRUCTION STREAM AS DETERMINED BY THE ADDRESS IN THE PSW AT THE TIME OF FAILURE. 6 BYTES BEFORE AND AFTER.
136	(88)	SIGNED	4	SDWAASCB	ADDRESS OF ASCB FOR FAILING ADDRESS SPACE.
140	(8C)	SIGNED	4	SDWAASST	ADDRESS OF ADDRESS SPACE SEGMENT TABLE.
144	(90)	SIGNED	4	SDWASABC (0)	ORIGINAL COMPLETION CODE.
144	(90)	CHARACTER	1	SDWAOABF	FLAGS IN COMPLETION CODE REGISTER.
		1...		SDWAOREQ	"X'80'" ORIGINAL VALUE OF SDWAREQ
		.1..		SDWAOSTP	"X'40'" ORIGINAL VALUE OF SDWASTEP
		Comment			
		EQU X'20' USED FOR MEMTERM REQUESTS			
		End of Comment			
		...1		SDWAOSTC	"X'10'" ORIGINAL VALUE OF SDWASTCC
		Comment			
		EQU X'08' USED BY RTM2 FOR NORMAL END-OF-TASK			
		End of Comment			
		.... .1..		SDWAORCF	"X'04'" VALID REASON CODE IN SDWAOCRC.
		Comment			
		EQU X'02' RESERVED EQU X'01' RESERVED			
		End of Comment			
145	(91)	CHARACTER	3	SDWAOCMP	COMPLETION CODE.
148	(94)	SIGNED	4	SDWAOCRC	ORIGINAL REASON CODE FROM SDWACRC AT ENTRY TO RECOVERY PROCESSING. ONLY VALID IF SDWAORCF IS SET ON.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Comment
					SDWARC1 FIELDS FROM THIS POINT ON ARE PRESERVED ON RTM1 FRR PERCOLATION AND ARE ZEROED ON RTM2 ESTAE PERCOLATION.
					End of Comment
152	(98)	CHARACTER	64	SDWACRER (0)	CONTROL REGISTERS AT TIME OF ERROR. THESE VALUES ARE NOT RESTORED ON RETRY.
152	(98)	SIGNED	4	SDWACRE0	CONTROL REGISTER 0
156	(9C)	SIGNED	4	SDWACRE1	CONTROL REGISTER 1
160	(A0)	SIGNED	4	SDWACRE2	CONTROL REGISTER 2
164	(A4)	SIGNED	4	SDWACRE3	CONTROL REGISTER 3
168	(A8)	SIGNED	4	SDWACRE4	CONTROL REGISTER 4
172	(AC)	SIGNED	4	SDWACRE5	CONTROL REGISTER 5
176	(B0)	SIGNED	4	SDWACRE6	CONTROL REGISTER 6
180	(B4)	SIGNED	4	SDWACRE7	CONTROL REGISTER 7
184	(B8)	SIGNED	4	SDWACRE8	CONTROL REGISTER 8
188	(BC)	SIGNED	4	SDWACRE9	CONTROL REGISTER 9
192	(C0)	SIGNED	4	SDWACREA	CONTROL REGISTER 10
196	(C4)	SIGNED	4	SDWACREB	CONTROL REGISTER 11
200	(C8)	SIGNED	4	SDWACREC	CONTROL REGISTER 12
204	(CC)	SIGNED	4	SDWACRED	CONTROL REGISTER 13
208	(D0)	SIGNED	4	SDWACREE	CONTROL REGISTER 14
212	(D4)	SIGNED	4	SDWACREF	CONTROL REGISTER 15
216	(D8)	CHARACTER	64	SDWAARER (0)	ACCESS REGISTERS AT TIME OF ERROR
216	(D8)	SIGNED	4	SDWAARE0	ACCESS REGISTER 0
220	(DC)	SIGNED	4	SDWAARE1	ACCESS REGISTER 1
224	(E0)	SIGNED	4	SDWAARE2	ACCESS REGISTER 2
228	(E4)	SIGNED	4	SDWAARE3	ACCESS REGISTER 3
232	(E8)	SIGNED	4	SDWAARE4	ACCESS REGISTER 4
236	(EC)	SIGNED	4	SDWAARE5	ACCESS REGISTER 5
240	(F0)	SIGNED	4	SDWAARE6	ACCESS REGISTER 6
244	(F4)	SIGNED	4	SDWAARE7	ACCESS REGISTER 7
248	(F8)	SIGNED	4	SDWAARE8	ACCESS REGISTER 8
252	(FC)	SIGNED	4	SDWAARE9	ACCESS REGISTER 9
256	(100)	SIGNED	4	SDWAAREA	ACCESS REGISTER 10
260	(104)	SIGNED	4	SDWAAREB	ACCESS REGISTER 11
264	(108)	SIGNED	4	SDWAAREC	ACCESS REGISTER 12
268	(10C)	SIGNED	4	SDWAARED	ACCESS REGISTER 13
272	(110)	SIGNED	4	SDWAAREE	ACCESS REGISTER 14
276	(114)	SIGNED	4	SDWAAREF	ACCESS REGISTER 15
280	(118)	CHARACTER	64	SDWAARSV (0)	ACCESS REGISTERS OF THE RB LEVEL AND LINKAGE STACK LEVEL WHICH CREATED THE ESTAE EXIT AT THE TIME IT LAST INCURRED AN INTERRUPT OR 0 FOR ESTAI. FOR FRRS INITIALIZED TO REGISTERS AT TIME OF ERROR. THIS REGISTER AREA IS USED TO UPDATE REGISTER CONTENTS FOR RETRY IF REQUESTED.
280	(118)	SIGNED	4	SDWAARS0	ACCESS REGISTER 0
284	(11C)	SIGNED	4	SDWAARS1	ACCESS REGISTER 1
288	(120)	SIGNED	4	SDWAARS2	ACCESS REGISTER 2
292	(124)	SIGNED	4	SDWAARS3	ACCESS REGISTER 3
296	(128)	SIGNED	4	SDWAARS4	ACCESS REGISTER 4
300	(12C)	SIGNED	4	SDWAARS5	ACCESS REGISTER 5
304	(130)	SIGNED	4	SDWAARS6	ACCESS REGISTER 6
308	(134)	SIGNED	4	SDWAARS7	ACCESS REGISTER 7
312	(138)	SIGNED	4	SDWAARS8	ACCESS REGISTER 8
316	(13C)	SIGNED	4	SDWAARS9	ACCESS REGISTER 9
320	(140)	SIGNED	4	SDWAARSA	ACCESS REGISTER 10
324	(144)	SIGNED	4	SDWAARSB	ACCESS REGISTER 11
328	(148)	SIGNED	4	SDWAARSC	ACCESS REGISTER 12
332	(14C)	SIGNED	4	SDWAARSD	ACCESS REGISTER 13
336	(150)	SIGNED	4	SDWAARSE	ACCESS REGISTER 14
340	(154)	SIGNED	4	SDWAARSF	ACCESS REGISTER 15

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
344	(158)	CHARACTER	64	SDWADUCT	DISPATCHABLE UNIT CONTROL TABLE
408	(198)	BITSTRING	1	SDWATEAR	TRANSLATION EXCEPTION ACCESS REGISTER NUMBER
409	(199)	BITSTRING	1	SDWAXFLG	EXTENDED FLAG AREA
		1...		SDWAINTF	"X'80'" ON, SDWAEC2, SDWASRSV, AND SDWAARSV ARE FROM A LINKAGE STACK ENTRY
		.1..		SDWATEAV	"X'40'" ON, SDWATRAN CONTAINS A VALID ADDRESS
		..1.		SDWATEIV	"X'20'" ON, SDWATRAN CONTAINS A VALID ASID
		...1		SDWAESTX	"X'10'" ON, IF SDWATYPE = SDWATEST, THE RECOVERY ROUTINE WAS ESTABLISHED VIA ESTAEX
		.... 1...		SDWATEPC	"X'08'" ON, SDWATRAN CONTAINS A VALID PC number
410	(19A)	BITSTRING	1	SDWASFLG	SUBSPACE FLAG AREA
		1...		SDWASVLD	"X'80'" ON IF SUBSPACE INFORMATION AT TIME OF ERROR (SDWASTKN AND SDWASNM) IS AVAILABLE AND VALID
		.1..		SDWASSA	"X'40'" ON IF A SUBSPACE WAS ACTIVE AT TIME OF ERROR
		1		SDWASSRS	"X'01'" TURNED ON BY AN ESTAE-TYPE RECOVERY ROUTINE TO INDICATE THAT RTM SHOULD RESTORE ITS ORIGINAL SUBSPACE ENVIRONMENT IF IT RECURSES
411	(19B)	BITSTRING	1	SDWAARCH	Copy of FLCARCH
		1		SDWAZARC	"X'01'" Copy of PSAZARCH
		1		SDWAESAM	"X'01'" Copy of PSAZARCH
412	(19C)	CHARACTER	8	SDWAPRM2 (0)	ARR MSTA AREA COPY
412	(19C)	CHARACTER	4	SDWAMST1 (0)	1ST WORD OF MSTA AREA
412	(19C)	CHARACTER	4	SDWAPCEP	PC ESTAE PARAM VALUE
416	(1A0)	CHARACTER	4	SDWAMST2 (0)	2ND WORD OF MSTA AREA
416	(1A0)	CHARACTER	4	SDWAPCEA	PC ESTAE PARAM ALET VALUE
420	(1A4)	SIGNED	4	SDWALSED	PTR TO LINKAGE STK ENTRY (CR15)
424	(1A8)	CHARACTER	4	SDWACLSE	ON ENTRY TO AN FRR, CONTAINS COPY OF PSACLHSE. ON ENTRY TO ESTAE, CONTAINS ZERO.
428	(1AC)	BITSTRING	2	SDWALSLV	FOR RETRY: NUMBER OF BAKR ENTRIES PAST TIME-OF-SET TO SET LINKAGE STACK ON RETRY. IGNORED FOR FRR IF RETRY=ERROR
430	(1AE)	BITSTRING	1	SDWARTAM	Retry Amode: 0 = "normal", 1 = AMODE 24, 2 = AMODE 31, 3 = AMODE 64
431	(1AF)	CHARACTER	1		RESERVED
432	(1B0)	CHARACTER	8	SDWASTKN	STOKEN OF THE SUBSPACE AT TIME OF ERROR - VALID ONLY IF SDWASVLD IS ON, NOT AVAILABLE FOR FRRS
440	(1B8)	CHARACTER	8	SDWASNM	NAME OF THE SUBSPACE AT TIME OF ERROR - VALID ONLY IF SDWASVLD IS ON, NOT AVAILABLE FOR FRRS
448	(1C0)	CHARACTER	8	SDWASNAM	Name of the SYSTEM that this record was created on. This is the same system name that is used in a SYSPLEX.

Comment

THE LENGTH MUST BE UPDATED IF ADDITIONS ARE MADE HERE

End of Comment

456	(1C8)	DBL WORD	8	SDWASEND (0)	END OF SERV EXTENSION OF SDWA

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SDWARC2	, POINTED TO BY SDWAXIOM
0	(0)	CHARACTER	16	SDWAIOMA (0)	ADDITIONAL IO MACHINE CHECK DATA
0	(0)	CHARACTER	8	SDWARFSE (0)	FSA
0	(0)	CHARACTER	4	SDWARFSH	High half of FSA (zero pre-z/Architecture)
4	(4)	CHARACTER	4	SDWARFSL	Low half of FSA
8	(8)	CHARACTER	8	SDWAMCIC	MACHINE CHECK INTERRUPT CODE
16	(10)	DBL WORD	8	SDWAIEND (0)	END OF SDWAIOMA EXTENSION OF SDWA

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SDWARC3	, POINTED TO BY SDWAXLCK
0	(0)	CHARACTER	32	SDWAFLCK (0)	ADDITIONAL FRELOCK DATA
0	(0)	BITSTRING	1	SDWAFLK1	FLAGS INDICATING WHAT LOCKS ARE TO BE FREED
		1...		SDWAFCPU	"X'80'" ON, FREE THE CPU LOCK
		.... 1...		SDWAFRSM	"X'08'" ON, FREE THE RSM LOCK
		.... .1..		SDWAFTRC	"X'04'" ON, FREE THE TRACE LOCK
		.... ..1.		SDWAIOCB	"X'02'" ON, THE IOS LOCK
1	(1)	BITSTRING	1	SDWAFLK2	FLAGS INDICATING WHAT LOCKS ARE TO BE FREED
		...1		SDWAFRSC	"X'10'" ON, FREE THE RSM COMMON CLASS LOCK
		.... 1...		SDWAFRSG	"X'08'" ON, FREE THE RSM GLOBAL CLASS LOCK
		.... .1..		SDWAFVSF	"X'04'" ON, FREE THE VSM FIX LOCK
		.... ..1.		SDWAFASG	"X'02'" ON, FREE THE ASM GLOBAL CLASS LOCK
		1		SDWAFRSS	"X'01'" ON, FREE THE RSM STEAL CLASS LOCK
2	(2)	CHARACTER	4	SDWAFLKE (0)	FLAGS INDICATING LOCKS TO BE FREED
2	(2)	CHARACTER	1	SDWAFLE1	FLAGS FOR LOCKS TO BE FREED IN FIRST BYTE OF EXTENSION
		1...		SDWABLSD	"X'80'" ON, FREE THE BMFLSD LOCK
		.1..		SDWAXDS	"X'40'" ON, FREE THE XCFDS LOCK
		..1.		SDWAXRES	"X'20'" ON, FREE THE XCFRES LOCK
		...1		SDWAXQ	"X'10'" ON, FREE THE XCFQ LOCK
		.... 1...		SDWAESET	"X'08'" ON, FREE THE ETRSET LOCK
		.... .1..		SDWAIXSC	"X'04'" ON, FREE THE IXLSCH LOCK
		.... ..1.		SDWAIXSR	"X'02'" ON, FREE THE IXLSHR LOCK
		1		SDWAIXDS	"X'01'" ON, FREE THE IXLDS LOCK
3	(3)	CHARACTER	1	SDWAFLE2	FLAGS FOR LOCKS TO BE FREED IN SECOND BYTE OF EXTENSION
		1...		SDWAIXSH	"X'80'" ON, FREE THE IXLSHELL LOCK
		.1..		SDWAULUT	"X'40'" ON, FREE THE IOSULUT LOCK
		..1.		SDWAIXRE	"X'20'" ON, FREE THE IXLREQST LOCK
		...1		SDWAWLMR	"X'10'" On, free the WLMRES lock
		.... 1...		SDWAWLMQ	"X'08'" On, free the WLMQ lock
		.... .1..		SDWACNTX	"X'04'" On, free the CONTEXT lock
		.... ..1.		SDWARGSV	"X'02'" On, free the REGSRV lock
		1		SDWASSD	"X'01'" On, free the SSD lock
4	(4)	CHARACTER	1	SDWAFLE3	FLAGS FOR LOCKS TO BE FREED IN THIRD BYTE OF EXTENSION
5	(5)	CHARACTER	1	SDWAFLE4	FLAGS FOR LOCKS TO BE FREED IN FOURTH BYTE OF EXTENSION
6	(6)	CHARACTER	2		RESERVED
8	(8)	SIGNED	4	SDWALRSG	LOCKWORD ADDR FOR THE RSMGL LOCK
12	(C)	SIGNED	4	SDWALASG	LOCKWORD ADDR FOR THE ASMGL LOCK
16	(10)	SIGNED	4	SDWALRSS	LOCKWORD ADDR FOR THE RSMST LOCK
20	(14)	SIGNED	4	SDWALRSX	LOCKWORD ADDR FOR THE RSMXM LOCK
24	(18)	SIGNED	4	SDWALRSA	LOCKWORD ADDR FOR THE RSMAD LOCK
28	(1C)	SIGNED	4	SDWALRSC	LOCKWORD ADDR FOR THE RSMCM LOCK
32	(20)	DBL WORD	8	SDWALEND (0)	END OF SDWAFLCK EXTENSION OF SDWA

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SDWARC4	, Pointed to by SDWAXEME
0	(0)	CHARACTER	128	SDWAG64 (0)	64-bit GPRs - initially contains registers at the Time Of Error, also used for retry
0	(0)	DBL WORD	8	SDWAG6400	Register 0
8	(8)	DBL WORD	8	SDWAG6401	Register 1
16	(10)	DBL WORD	8	SDWAG6402	Register 2
24	(18)	DBL WORD	8	SDWAG6403	Register 3
32	(20)	DBL WORD	8	SDWAG6404	Register 4
40	(28)	DBL WORD	8	SDWAG6405	Register 5
48	(30)	DBL WORD	8	SDWAG6406	Register 6
56	(38)	DBL WORD	8	SDWAG6407	Register 7
64	(40)	DBL WORD	8	SDWAG6408	Register 8
72	(48)	DBL WORD	8	SDWAG6409	Register 9

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
80	(50)	DBL WORD	8	SDWAG6410	Register 10
88	(58)	DBL WORD	8	SDWAG6411	Register 11
96	(60)	DBL WORD	8	SDWAG6412	Register 12
104	(68)	DBL WORD	8	SDWAG6413	Register 13
112	(70)	DBL WORD	8	SDWAG6414	Register 14
120	(78)	DBL WORD	8	SDWAG6415	Register 15
128	(80)	CHARACTER	8		Reserved
136	(88)	CHARACTER	64	SDWAG64H	High order halves of 64-bit GPRs in G64
200	(C8)	CHARACTER	128	SDWAC64S	z/Architecture CRs at time of error
328	(148)	CHARACTER	8	SDWATRNE	8-byte TEA
336	(150)	DBL WORD	8	SDWAEEND (0)	End of 64-bit extension of the SDWA

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SDWAPTRS	, POINTED TO BY SDWAXPAD
0	(0)	ADDRESS	4	SDWADSRP	ADDR DUMP STORAGE RANGES PTR. - SDWANRC1
4	(4)	ADDRESS	4	SDWASRVP	ADDR ADDITIONAL COMP SERV DATA - SDWARC1
8	(8)	ADDRESS	4	SDWAXIOM	ADDR OF I/O MACHINE CHECK AREA - SDWARC2
12	(C)	ADDRESS	4	SDWAXSPL	ADDR OF STORAGE SUBPOOLS AREA - SDWANRC2
16	(10)	ADDRESS	4	SDWAXLCK	ADDR ADDITIONAL FRELOCK DATA - SDWARC3
20	(14)	ADDRESS	4	SDWADSPP	DATA SPACE STORAGE RANGES POINTER - SDWANRC3
24	(18)	ADDRESS	4	SDWAXEME	Addr 64-bit information - SDWARC4
28	(1C)	SIGNED	4		Reserved
32	(20)	DBL WORD	8	SDWAPEND (0)	END OF PTRS EXTENSION OF SDWA

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SDWANRC1	, NONRECORDABLE EXTENSION, BASED SDWADSRP
0	(0)	CHARACTER	240	SDWADSR	DUMP STORAGE RANGES
240	(F0)	DBL WORD	8	SDWAREND (0)	END OF DSR EXTENSION OF SDWA

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SDWANRC2	, POINTED TO BY SDWAXSPL
0	(0)	X'7'	0	SDWASPMX	"7" MAX NUMBER OF SUBPOOLS ON DUMPOPT
0	(0)	CHARACTER	16	SDWASPLE (0)	UP TO 7 SUBPOOLS OF STORAGE TO BE DUMPED BY ABDUMP
0	(0)	SIGNED	2	SDWASPLN	NUMBER OF SUBPOOLS TO BE DUMPED
2	(2)	SIGNED	2	SDWASPLS (7)	IDS OF SUBPOOLS TO BE DUMPED
16	(10)	DBL WORD	8	SDWASEN (0)	END OF SDWASPLS EXTENSION OF SDWA

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SDWANRC3	, DUMPOPX EXTENSION, POINTED TO BY SDWADSPP
0	(0)	CHARACTER	240	SDWADXSL (0)	LIST OF DUMPOPX RANGES
0	(0)	CHARACTER	16	SDWADXSR (15)	DUMPOPX RANGE (UP TO 15)
240	(F0)	DBL WORD	8	SDWADEND (0)	
240	(F0)	X'F'	0	SDWADXMX	"15" UP TO 15 DATA SPACE STORAGE RANGES MAY BE SPECIFIED
240	(F0)	X'298'	0	SDWALEN	"SDWAEND-SDWA" LENGTH OF SDWA
240	(F0)	X'20'	0	SDWAPLEN	"SDWAPEND-SDWAPTRS" LENGTH OF PTRS EXTENSION
240	(F0)	X'F0'	0	SDWARLEN	"SDWAREND-SDWANRC1" LENGTH OF DSR EXTENSION
240	(F0)	X'1C8'	0	SDWACLEN	"SDWASEND-SDWARC1" LENGTH OF SERV EXTENSION
240	(F0)	X'10'	0	SDWAILEN	"SDWAIEND-SDWARC2" LENGTH OF IOMA EXTENSION
240	(F0)	X'20'	0	SDWALLEN	"SDWALEND-SDWARC3" LENGTH OF FRELOCK EXTENSION

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
240	(F0)	X'10'	0	SDWASPL	"SDWASEN-SDWANRC2" LENGTH OF SUBPOOL EXTENSION
240	(F0)	X'F0'	0	SDWADLEN	"SDWADEND-SDWANRC3" LENGTH OF EXTENSION FOR DATA SPACE RANGES
240	(F0)	X'1F0'	0	SDWANLNS	"SDWARLEN+SDWASPL+SDWADLEN" Non-recordable extensions
240	(F0)	X'150'	0	SDWAELEN	"SDWAEEND-SDWARC4" Length of z/Architecture extension
240	(F0)	X'348'	0	SDWARLNS	"SDWACLEN+SDWAILEN+SDWALLEN+SDWAELEN"
240	(F0)	X'5E0'	0	SDWAMLNP	"SDWALEN+SDWACLEN+SDWAILEN+SDWALLEN+SDWAELEN"
240	(F0)	X'600'	0	SDWAMLEN	"SDWAMLNP+SDWAPLEN"

Comment

Total length of SDWA with only recordable extensions. This is a super stack SDWA.

End of Comment

240	(F0)	X'7F0'	0	SDWATLEN	"SDWAMLEN+SDWANLNS"

Comment

Total length of SDWA with all extensions
This is a normal stack SDWA

End of Comment

240	(F0)	X'6A0'	0	SDWAOLEN	"SDWATLEN-SDWAELEN"

Comment

Total length of SDWA with all extensions except RC4.
This is an RTM2 below-16M SDWA

End of Comment

240	(F0)	X'710'	0	SDWASLEN	"SDWAMLEN+272"

Comment

Getmain length for super stack FRR SDWA

End of Comment

240	(F0)	X'900'	0	SDWAFLEN	"SDWASLEN+SDWANLNS"

Comment

Getmain length for normal stack FRR SDWA

End of Comment

240	(F0)	X'0'	0	SDWANOPR	"0" THIS FIELD IS ONLY DEFINED IN ASSEMBLER VERSION OF THE SDWA. ITS PURPOSE IS TO FLAG INCOMPATABLE USE OF SETRP AND SDWA.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SDWA	,

SDWA Cross Reference

Name	Hex Offset	Hex Value
SDWA	0	
SDWA	0	
SDWAABCC	4	
SDWAABTM	E8	8
SDWAACF2	FD	
SDWAACF3	FE	
SDWAACF4	FF	
SDWAACR	D5	8
SDWAADD1	6D	
SDWAADD2	7D	
SDWAAEC1	70	
SDWAAEC2	80	
SDWAALLN	145	8
SDWAAMF1	6C	
SDWAAMF2	7C	
SDWAAMOD	F0	80
SDWAAPLW	110	
SDWAARCH	19B	
SDWAAREA	100	
SDWAAREB	104	
SDWAAREC	108	
SDWAARED	10C	
SDWAAREE	110	
SDWAAREF	114	
SDWAARER	D8	
SDWAARE0	D8	
SDWAARE1	DC	
SDWAARE2	E0	
SDWAARE3	E4	
SDWAARE4	E8	
SDWAARE5	EC	
SDWAARE6	F0	
SDWAARE7	F4	
SDWAARE8	F8	
SDWAARE9	FC	
SDWAARGU	D4	1
SDWAARSA	140	
SDWAARSB	144	
SDWAARSC	148	
SDWAARSD	14C	
SDWAARSE	150	
SDWAARSF	154	
SDWAARSV	118	
SDWAARS0	118	
SDWAARS1	11C	
SDWAARS2	120	
SDWAARS3	124	
SDWAARS4	128	
SDWAARS5	12C	
SDWAARS6	130	
SDWAARS7	134	
SDWAARS8	138	
SDWAARS9	13C	
SDWAASCB	88	
SDWAASCM	6A	C0
SDWAASID	120	
SDWAASI1	76	
SDWAASMP	FE	8
SDWAASST	8C	
SDWAAX	178	
SDWABLSD	2	80
SDWACBS	144	4
SDWACCA	C	30
SDWACCF	3D	80
SDWACCP	14	30
SDWACCRC	3D	
SDWACC1	6A	30
SDWACC2	7A	30
SDWACHNG	D8	1
SDWACID	0	
SDWACIDB	38	
SDWACLEN	F0	1C8
SDWACLSE	1A8	
SDWACLUP	EB	80
SDWACMKA	8	
SDWACMKP	10	
SDWACML	FD	1
SDWACMLA	17C	
SDWACMPC	5	
SDWACMPF	4	
SDWACMS	FF	2
SDWACNTX	3	4
SDWACOMP	188	
SDWACOMU	180	
SDWACPID	D6	
SDWACPUA	F8	
SDWACPUI	EF	
SDWACRC	2C	
SDWACREA	C0	
SDWACREB	C4	
SDWACREC	C8	
SDWACRED	CC	
SDWACREE	D0	
SDWACREF	D4	
SDWACRER	98	
SDWACRE0	98	
SDWACRE1	9C	
SDWACRE2	A0	
SDWACRE3	A4	
SDWACRE4	A8	
SDWACRE5	AC	
SDWACRE6	B0	
SDWACRE7	B4	
SDWACRE8	B8	
SDWACRE9	BC	
SDWACRGS	174	
SDWACR3	174	
SDWACR4	178	
SDWACSCT	12C	
SDWACTL1	8	
SDWACTL2	10	
SDWACTS	EB	10
SDWACWT	FC	0
SDWAC64S	C8	
SDWADAET	6C	
SDWADAEW	6C	
SDWADDAT	144	
SDWADEC1	6A	4
SDWADEC2	7A	4
SDWADEND	F0	
SDWADISP	FE	10
SDWADLEN	F0	F0
SDWADLST	141	40
SDWADM	144	1
SDWADOA	C	4
SDWADOP	14	4

SDWA Cross Reference

Name	Hex Offset	Hex Value
SDWADPFS	141	
SDWADPF2	142	
SDWADPID	140	
SDWADPLA	13C	
SDWADPSA	148	
SDWADPSL	148	
SDWADPSW	146	4
SDWADPT	141	80
SDWADPVA	192	
SDWADREG	146	20
SDWADSAH	146	40
SDWADSAS	146	80
SDWADSPP	14	
SDWADSR	0	
SDWADSRP	0	
SDWADUCT	158	
SDWADUMP	140	
SDWADVS3	142	80
SDWADXC	77	
SDWADXMX	F0	F
SDWADXSL	0	
SDWADXSR	0	
SDWAEADR	4C	
SDWAEAS	EA	8
SDWAEBC	192	40
SDWAECT1	69	8
SDWAECT2	79	8
SDWAEC1	68	
SDWAEC2	78	
SDWAEEND	150	
SDWAELEN	F0	150
SDWAEMK1	68	
SDWAEMK2	78	
SDWAEND	298	
SDWAENRB	E9	4
SDWAENSN	141	20
SDWAEPA	60	
SDWAERFL	EB	1
SDWAERR	145	40
SDWAERRA	E8	
SDWAERRB	E9	
SDWAERRC	EA	
SDWAERRD	EB	
SDWAERTM	18C	
SDWAESAM	19B	1
SDWAESET	2	8
SDWAESTX	199	10
SDWAEUA	C	2
SDWAEUP	14	2
SDWAEXP1	6A	2
SDWAEXP2	7A	2
SDWAEXTA	8	1
SDWAEXTP	10	1
SDWAEXT1	68	1
SDWAEXT2	78	1
SDWAFAIN	7C	
SDWAFASG	1	2
SDWAFCPU	0	80
SDWAFIOB	4	
SDWAFLCK	0	
SDWAFLEN	F0	900
SDWAFLE1	2	
SDWAFLE2	3	
SDWAFLE3	4	
SDWAFLE4	5	
SDWAFLGS	E8	
SDWAFLKE	2	
SDWAFLK1	0	
SDWAFLK2	1	
SDWAFLLK	FF	1
SDWAFLSQ	D9	4
SDWAFMID	EC	
SDWAFPA	C	8
SDWAFPO1	6A	8
SDWAFPO2	7A	8
SDWAFPP	14	8
SDWAFPRX	D5	2
SDWAFREE	FD	4
SDWAFRLK	3E	20
SDWAFRM1	148	
SDWAFRM2	150	
SDWAFRM3	158	
SDWAFRM4	160	
SDWAFRRE	50	
SDWAFRSA	FE	40
SDWAFRSC	1	10
SDWAFRSD	FE	1
SDWAFRSG	1	8
SDWAFRSM	0	8
SDWAFRSS	1	1
SDWAFRSX	FE	80
SDWAFSQA	D9	8
SDWAFTRC	0	4
SDWAFVSF	1	4
SDWAFVSP	FE	20
SDWAGLBL	EA	1
SDWAGRSV	18	
SDWAGR00	18	
SDWAGR01	1C	
SDWAGR02	20	
SDWAGR03	24	
SDWAGR04	28	
SDWAGR05	2C	
SDWAGR06	30	
SDWAGR07	34	
SDWAGR08	38	
SDWAGR09	3C	
SDWAGR10	40	
SDWAGR11	44	
SDWAGR12	48	
SDWAGR13	4C	
SDWAGR14	50	
SDWAGR15	54	
SDWAGTF	144	8
SDWAG64	0	
SDWAG64H	88	
SDWAG6400	0	
SDWAG6401	8	
SDWAG6402	10	
SDWAG6403	18	
SDWAG6404	20	
SDWAG6405	28	
SDWAG6406	30	
SDWAG6407	38	
SDWAG6408	40	
SDWAG6409	48	
SDWAG6410	50	
SDWAG6411	58	
SDWAG6412	60	
SDWAG6413	68	

Name	Hex Offset	Hex Value
SDWAG6414	70	
SDWAG6415	78	
SDWAHEX	192	80
SDWAHLHI	40	
SDWAHRC	2C	
SDWAICD1	73	
SDWAICD2	83	
SDWAID	293	
SDWAIDNT	C8	
SDWAIEND	10	
SDWAILA	C	C0
SDWAILC1	71	
SDWAILC2	81	
SDWAILEN	F0	10
SDWAILP	14	C0
SDWAIL1	71	6
SDWAIL2	81	6
SDWAIMC1	73	40
SDWAIMC2	83	40
SDWAINC1	72	
SDWAINC2	82	
SDWAINSF	D5	4
SDWAINTA	A	
SDWAINTC	D9	40
SDWAINTF	199	80
SDWAINTP	12	
SDWAINT1	6A	
SDWAINT2	7A	
SDWAINVP	D4	10
SDWAIO	145	80
SDWAIOA	8	FE
SDWAIOBR	64	
SDWAIOCB	0	2
SDWAIOFS	EE	
SDWAIOHT	EE	40
SDWAIOMA	0	
SDWAIOP	10	FE
SDWAIOQR	EE	80
SDWAIO1	68	2
SDWAIO2	78	2
SDWAIPC1	73	3F
SDWAIPC2	83	3F
SDWAIPLW	10C	
SDWAIPRG	FE	2
SDWAIPR1	73	80
SDWAIPR2	83	80
SDWAIRB	EA	20
SDWAIUCB	FF	80
SDWAIULW	104	
SDWAIXDS	2	1
SDWAIXRE	3	20
SDWAIXSC	2	4
SDWAIXSH	3	80
SDWAIXSR	2	2
SDWAKEAX	3E	8
SDWAKEYA	9	F0
SDWAKEYP	11	F0
SDWAKEY1	69	F0
SDWAKEY2	79	F0
SDWAKM	174	
SDWALASG	C	
SDWALCL	EA	2
SDWALCPU	FA	
SDWALDIS	E9	2
SDWALEN	F0	298
SDWALEND	20	
SDWALKWA	100	
SDWALKWS	100	
SDWALLEN	F0	20
SDWALNTH	C9	
SDWALRSA	18	
SDWALRSC	1C	
SDWALRSD	100	
SDWALRSG	8	
SDWALRSS	10	
SDWALRSX	14	
SDWALSED	1A4	
SDWALSLV	1AC	
SDWALSQA	144	20
SDWALVL2	142	4
SDWAMABD	EB	8
SDWAMCH	CC	
SDWAMCHD	D5	
SDWAMCHI	D4	
SDWAMCHK	E8	80
SDWAMCHO	DA	
SDWAMCHS	D4	
SDWAMCIC	8	
SDWAMCIV	EB	2
SDWAMCKA	9	4
SDWAMCKP	11	4
SDWAMCK1	69	4
SDWAMCK2	79	4
SDWAMDAT	1C	
SDWAMLEN	F0	600
SDWAMLNP	F0	5E0
SDWAMLVL	1C	
SDWAMODN	124	
SDWAMOD1	6C	80
SDWAMOD2	7C	80
SDWAMSER	D8	2
SDWAMST1	19C	
SDWAMST2	1A0	
SDWAMVRS	24	
SDWAMWPA	9	
SDWAMWPP	11	
SDWAMWP1	69	
SDWAMWP2	79	
SDWANAME	58	
SDWANIOP	EE	10
SDWANLNS	F0	1F0
SDWANOIO	EE	20
SDWANOPR	F0	0
SDWANRBE	EB	40
SDWANRC1	0	
SDWANRC2	0	
SDWANRC3	0	
SDWANREC	3F	0
SDWANSWA	D8	4
SDWANSWP	D8	8
SDWANUC	144	80
SDWANUCL	D9	10
SDWANXTA	D	
SDWANXTP	15	
SDWANXT1	6C	
SDWANXT2	7C	
SDWAOABF	90	
SDWAOCMP	91	
SDWAOCRC	94	
SDWAOCUR	74	

SDWA Cross Reference

Name	Hex Offset	Hex Value
SDWAOFLN	D9	80
SDWAOLEN	F0	6A0
SDWAOPTM	FF	4
SDWAORCF	90	4
SDWAOREQ	90	80
SDWAOSTC	90	10
SDWAOSTP	90	40
SDWAPARM	0	
SDWAPARQ	FC	
SDWAPCEA	1A0	
SDWAPCEP	19C	
SDWAPCHK	E8	40
SDWAPDAT	146	
SDWAPDIP	E9	80
SDWAPEND	20	
SDWAPERC	EA	10
SDWAPER1	68	40
SDWAPER2	78	40
SDWAPGFX	D9	2
SDWAPGIO	E8	1
SDWAPGM1	69	1
SDWAPGM2	79	1
SDWAPGTA	76	
SDWAPLEN	F0	20
SDWAPMKA	C	
SDWAPMKP	14	
SDWAPREF	D8	20
SDWAPRIM	17A	
SDWAPRM2	19C	
SDWAPSTI	FC	10
SDWAPSWU	D5	20
SDWAPTRS	0	
SDWAQQS	144	2
SDWARA	190	
SDWARBAD	58	
SDWARCDE	FC	
SDWARCDF	D4	40
SDWARCF	4	4
SDWARCRD	FD	80
SDWARC1	0	
SDWARC1P	76	
SDWARC1Z	0	
SDWARC2	0	
SDWARC3	0	
SDWARC4	0	
SDWAREAF	3D	40
SDWARECA	F4	
SDWARECP	124	
SDWAREGU	D5	40
SDWAREMR	3E	40
SDWAREND	F0	
SDWAREQ	4	80
SDWARERR	FD	10
SDWARETF	3E	
SDWARETY	FC	4
SDWAREXN	134	
SDWARFSA	DC	
SDWARFSE	0	
SDWARFSH	0	
SDWARFSL	4	
SDWARFXM	FD	40
SDWARGSV	3	2
SDWARKEY	E8	20
SDWARLEN	F0	F0
SDWARLNS	F0	348
SDWARPIV	EB	4
SDWARRL	30	
SDWARSRC	D4	8
SDWARSRF	D4	4
SDWARSR1	D8	
SDWARSR2	D9	
SDWARTAM	1AE	
SDWARTYA	F0	
SDWARTYF	F0	
SDWART12	7C	
SDWART15	3E	80
SDWASABC	90	
SDWASALL	FE	4
SDWASC	5	
SDWASCK	D5	10
SDWASCKB	CC	
SDWASCKE	D0	
SDWASCND	176	
SDWASDAT	144	
SDWASDA0	144	
SDWASDA1	145	
SDWASDRC	3C	
SDWASDRN	68	
SDWASEN	10	
SDWASEND	1C8	
SDWASEQ#	122	
SDWASERP	FD	2
SDWASERV	0	
SDWASFLG	19A	
SDWASGA	C	1
SDWASGN1	6A	1
SDWASGN2	7A	1
SDWASGP	14	1
SDWASKIP	EA	4
SDWASKPR	DA	80
SDWASKYF	D5	80
SDWASLEN	F0	710
SDWASLST	141	2
SDWASNAM	1C0	
SDWASNM	1B8	
SDWASNPA	140	
SDWASPER	D9	20
SDWASPID	C8	
SDWASPIN	FD	20
SDWASPL	F0	10
SDWASPLE	0	
SDWASPLN	0	
SDWASPLS	2	
SDWASPMX	0	7
SDWASPN	48	
SDWASPVA	9	1
SDWASPVP	11	1
SDWASQA	144	40
SDWASRBM	E9	1
SDWASRSV	88	
SDWASRVL	D4	80
SDWASRVP	4	
SDWASR00	88	
SDWASR01	8C	
SDWASR02	90	
SDWASR03	94	
SDWASR04	98	
SDWASR05	9C	
SDWASR06	A0	
SDWASR07	A4	

Name	Hex Offset	Hex Value
SDWASR08	A8	
SDWASR09	AC	
SDWASR10	B0	
SDWASR11	B4	
SDWASR12	B8	
SDWASR13	BC	
SDWASR14	C0	
SDWASR15	C4	
SDWASSA	19A	40
SDWASSD	3	1
SDWASSRS	19A	1
SDWASTAE	EB	20
SDWASTAF	EA	80
SDWASTAI	EA	40
SDWASTCC	4	10
SDWASTCK	CC	
SDWASTEP	4	40
SDWASTKN	1B0	
SDWASTRM	E8	1
SDWASUBL	142	2
SDWASUM	145	10
SDWASUPR	44	
SDWASVCD	E8	10
SDWASVCE	E8	4
SDWASVLD	19A	80
SDWASWA	144	10
SDWAS1	6A	80
SDWAS2	7A	80
SDWATADB	FF	8
SDWATALW	11C	
SDWATARR	3F	3
SDWATCB	78	
SDWATEAR	198	
SDWATEAV	199	40
SDWATEIV	199	20
SDWATEPC	199	8
SDWATERR	D5	1
SDWATEST	3F	2
SDWATEXC	E8	2
SDWATFRR	3F	1
SDWATIME	E0	
SDWATJPA	146	8
SDWATLEN	F0	7F0
SDWATLPA	146	10
SDWATO1	14C	
SDWATO2	154	
SDWATO3	15C	
SDWATO4	164	
SDWATRAN	74	
SDWATRM1	68	4
SDWATRM2	78	4
SDWATRNE	148	
SDWATRN2	84	
SDWATSVL	D4	20
SDWATYPE	3F	
SDWATYP1	E9	8
SDWAULUT	3	40
SDWAUPRG	FD	8
SDWAUP64	3E	10
SDWAURAL	193	
SDWAUSPL	146	2
SDWAVEQR	D9	1
SDWAVERF	16C	
SDWAVERI	16C	
SDWAVID	16E	
SDWAVRA	194	
SDWAVRAL	190	
SDWAVRAM	192	20
SDWAVRCN	D8	10
SDWAVRIV	D4	2
SDWAVSN	16E	7
SDWAVS3	16E	1
SDWAVS4	16E	2
SDWAVS5	16E	3
SDWAVS6	16E	4
SDWAVS7	16E	5
SDWAVS8	16E	6
SDWAVS9	16E	7
SDWAWATA	9	2
SDWAWATP	11	2
SDWAWAT1	69	2
SDWAWAT2	79	2
SDWAWLMQ	3	8
SDWAWLMR	3	10
SDWAXDS	2	40
SDWAXEME	18	
SDWAXFLG	199	
SDWAXIOM	8	
SDWAXLCK	10	
SDWAXLST	142	8
SDWAXM	174	
SDWAXPAD	170	
SDWAXQ	2	10
SDWAXRES	2	20
SDWAXSPL	C	
SDWAZARC	19B	1

SDWORK Heading Information

Common Name: SVC DUMP WORK AREA
Macro ID: IHASDWRK
DSECT Name: SDWORK
Owning Component: SVC Dump (SCDMP)
Eye-Catcher ID: SDW1
Offset: 0
Length: 4
Storage Attributes: Main Storage: One per system
Subpool: 227
Key: 0
Residency: Below the 16M line
Size: 376 bytes
Created by: IEAVTSDI
Pointed to by: RTCTSDWK
Serialization: RTCTSDPL FIELD (ONE ACCESS AT A TIME)
Function: THE SVC DUMP WORK AREA IS USED BY SVC DUMP DURING ITS PROCESSING TO CONTAIN POINTERS AND DATA AREAS WHICH ARE USED BY MORE THAN ONE SVC DUMP MODULE.

SDWORK Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	376	SDWORK	SVC DUMP WORK AREA
0	(0)	CHARACTER	40	SDPASS	AREA WHICH IS USED TO PASS INFORMATION FROM ONE SVC DUMP TO ANOTHER. THIS AREA IS NOT CLEARED AT THE START OF A DUMP.
0	(0)	CHARACTER	4	SDID	SDWORK ACRONYM
4	(4)	CHARACTER	4	*	RESERVED
8	(8)	SIGNED	2	*	RESERVED
10	(A)	SIGNED	2	*	Reserved
12	(C)	CHARACTER	8	SDWNDSPB	TIME JUST BEFORE SYSTEM SET NON-DISPTACHABLE
20	(14)	CHARACTER	8	SDWNDSPE	TIME JUST AFTER SYSTEM SET NON-DISPATCHABLE
28	(1C)	UNSIGNED	4	SDSDSECB	SDS wait for next dump request ECB
32	(20)	CHARACTER	4	*	Reserved
36	(24)	CHARACTER	4	*	Reserved
40	(28)	CHARACTER	336	SDCLEAR	AREA WHICH IS CLEARED AT THE START OF EVERY DUMP
40	(28)	CHARACTER	24	SDWSES	Data related to dumping the STRLIST
40	(28)	UNSIGNED	4	SDWSSRB#	Number of STRLIST capture SRBs scheduled. This count is decremented as each SRB completes
44	(2C)	UNSIGNED	4	SDWSCECB	STRLIST structure capture complete ECB
48	(30)	BITSTRING	4	SDWSESF	Flags
		1...		SDWOSSS	Set by SDS indicating at least one SRB was scheduled to capture structure data
52	(34)	ADDRESS	4	SDWSR14	Save R14 in SDSNOCAP
56	(38)	SIGNED	4	SDWLOOPI	LoopIndex in SDSNOCAP
60	(3C)	ADDRESS	4	SDWSASCB	ASCB address of the address space waiting on SDWSCECB
64	(40)	CHARACTER	36	*	Reserved
100	(64)	CHARACTER	8	SDWSSTOK	STOKEN of subspace
100	(64)	CHARACTER	8	SDWXMSAV	Save XMEM env for CMSET
108	(6C)	SIGNED	4	SDWSALET	Alet of subspace
108	(6C)	ADDRESS	4	SDWDUCTR	DUCT real address
112	(70)	CHARACTER	4	SDFLAGS	FLAG BYTES
112	(70)	BITSTRING	1	SDFLAGS1	FIRST FLAG BYTE

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		SDRTM2TR	1=IEAVTSDM IS CALLED TO LOCATE TRACE TABLE OFF RTM2WA AND IF SYSMDUMP AND AN UNAUTHORIZED REQUESTOR COMPRESS TRACE DATA
		.1..		SDLOCPSW	PSW POINTS TO LOCAL AREA
		..1.		SDWCDSD	0=SCOPE(ALL) DATA SPACES HAVE NOT BEEN DUMPED YET 1=SCOPE(ALL) DATA SPACES DUMPED
		...1		SDWCLSDC	SDC CLEANUP INDICATOR
		.... 1...		SDWDWTAT	1=IEAVTDWT has been ATTACHed
		.... .1..		SDWDWTP	1=IEAVTDWT has been POSTed
		.... ..1.		SDWGLCAP	Global capture in progress
		1		*	RESERVED
113	(71)	BITSTRING	1	SDFLAGS2	
		1...		SDWUPROB	SYSM Problem pgm state flag
114	(72)	CHARACTER	1	SDFLAGS3	RESERVED
115	(73)	CHARACTER	1	SDFLAGS4	RESERVED
116	(74)	ADDRESS	4	SDWDPL	POINTER TO THE DPL
120	(78)	SIGNED	2	SDWTINDX	Save number of 1/2 second intervals spent waiting for an SRB to be dispatched. ENQ must be held to update this field
122	(7A)	CHARACTER	2	*	RESERVED
124	(7C)	CHARACTER	4	*	RESERVED
128	(80)	CHARACTER	4	*	RESERVED
132	(84)	ADDRESS	4	SDPDEP	POINTER TO COPY OF THE HEADER RECORD GETMAINED FOR POST EXIT PROCESSING
136	(88)	UNSIGNED	4	SDWCURMX	Value of MAXSPACE when MAXSPACE limit is reached
140	(8C)	SIGNED	4	SDWIOCNT	Used to indicate that SDUMP is actively capturing data into the data spaces. This is not an exact count of the number of pages captured.
140	(8C)	ADDRESS	4	SDWMNPTR	Pointer to an SQA-storage I/O counter for ABDUMP
144	(90)	ADDRESS	4	SDWIOAAD	I/O AREA ADDRESS FOR CALLS TO IEAVTSVO
148	(94)	CHARACTER	4	*	RESERVED
152	(98)	ADDRESS	4	SDSUBGLB	POINTER TO GLOBAL SUBPOOL LIST
156	(9C)	ADDRESS	4	SDSUBLCL	POINTER TO LOCAL SUBPOOL LIST
160	(A0)	ADDRESS	4	SDSDWAPT	POINTER TO SDWA
164	(A4)	CHARACTER	4	*	RESERVED
168	(A8)	ADDRESS	4	SDTRACRC	RETURN CODE PASSED BACK BY TRACE MACROS
172	(AC)	ADDRESS	4	SDTTCH	POINTER TO TRACE TABLE TO DUMP TTCH USED BY IEAVTSDM
176	(B0)	ADDRESS	4	SDTRCLEN	LENGTH OF TRACE TABLE
180	(B4)	SIGNED	4	SDRETCOD	RETURN CODE FROM DUMP ROUTINE
180	(B4)	CHARACTER	2	*	RESERVED
182	(B6)	UNSIGNED	1	SDNODUMP	NO DUMP REASON CODE RETURNED TO CALLER
183	(B7)	UNSIGNED	1	SDRETURN	SVC DUMP RETURN CODE INDICATING COMPLETE, PARTIAL, OR NO DUMP CONDITION
184	(B8)	CHARACTER	16	SDWSDRSN	SDUMP REASON CODES MAPPED BY IHASDRSN
200	(C8)	UNSIGNED	1	SDWSDRC	NO DUMP REASON CODES
201	(C9)	UNSIGNED	1	SDWEXITT	Exit type for SDREXITE
202	(CA)	UNSIGNED	2	SDWBLKCT	NUMBER OF RECORDS TO BE OUTPUTED PER EXCP
204	(CC)	UNSIGNED	2	SDWRINDX	CURRENT RECORD NUMBER USED TO INDEX INTO SDWBUFR, SDWCCW AND SDWIDAW
206	(CE)	UNSIGNED	2	SDWBINDX	CURRENT BUFFER INDEX USED TO INDEX INTO SDWBUFAD, SDWCCWAD AND SDWIDWAD. THE VALUE IS ALWAYS 0 OR 1. (SDWBINDX + 1) IS USED TO INDEX THE CURRENT BUFFER AND (2 - SDWBINDX) IS USED TO INDEX THE OTHER BUFFER
208	(D0)	UNSIGNED	4	SDSRBTHR	SRB threshold
212	(D4)	UNSIGNED	4	SDWDMPID	Unique number for PRDSEQ
212	(D4)	BITSTRING	3	SDWDMPTN	Bits 7-30 from time of dump
215	(D7)	BITSTRING	1	SDWDMPSN	Sequence number from RTSDDNUM
216	(D8)	UNSIGNED	4	SDCSCECB	COMMON-STORAGE-COPIED ECB
220	(DC)	UNSIGNED	4	SDSTRECB	SYSTEM-TRACE-COMPLETE ECB
224	(E0)	UNSIGNED	4	SDSRBCNT	COUNT OF SRB'S IN USE
228	(E4)	UNSIGNED	4	SDD00ECB	ECB FOR SDS TO POST D00 TO FINISH DUMPING PROCESS.
232	(E8)	ADDRESS	4	SDSDSWAS	SAVEAREA FOR SDS WORK AREA

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
236	(EC)	ADDRESS	4	SDRNGPT2	RANGE POINTER FOR USE BY SRBS
240	(F0)	BITSTRING	2	SDWECFP	IEAVTSCC FOOTPRINTS
		1...		SDWECSYS	SYSTEM DISPATCHABLE FOOTPRINT
		.11.		*	Reserved
		...1		SDWECFTT	FREE TRACE TABLE FOOTPRINT
		.... 1...		SDWECEOD	END OF DATA FOOTPRINT
		.... .1..		*	Reserved
		.... ..1.		SDWECWTO	Issue message IEA794I
		1		SDWECSD1	CALL TO IEAVTSD1 FOOTPRINT
241	(F1)	1...		SDWECECB	ECB POST/SRB SCHEDULE FOOTPRINT
		.1..		SDWECBFT	RESET THRESHOLD FOOTPRINT
		..1.		SDWMAXSP	WHEN ON INDICATES THAT IEAVTSCC has written on the MAXSPACE reached message
		...1 1111		*	Reserved
242	(F2)	BITSTRING	2	SDWEFLGS	STATUS FLAGS USED BY IEAVTSDC TO CLEANUP
		1...		SDWEINIO	SET ON WHEN DOING I/O, WHEN RECOVERY GETS CONTROL ON INDICATES THE LAST WRITE WAS UNSUCCESSFUL
		.1..		SDWE1RCD	AT LEAST ONE RECORD WRITTEN SUCCESSFULLY TO DUMP DATASET
		..1.		SDWESDGF	IEAVTSDG IS PAGEFIXED
		...1		SDWESSEF	IEAVTSSE IS PAGEFIXED
		.... 1...		SDWEVSMF	IEAVTVSM IS PAGEFIXED
		.... .1..		*	RESERVED
244	(F4)	CHARACTER	8	SDWCMSV	SAVEAREA FOR CMSET LOGIC
252	(FC)	CHARACTER	2	SDSDWAAS	ASID OF SDWA
254	(FE)	UNSIGNED	1	SDWPARMC	REASON CODE FOR PARAMETER LIST VALIDATION
255	(FF)	BITSTRING	1	SDWUKEY	SYSMDUMP User Key
		1111		SDWKBITS	SYSMDUMP User Key bits
256	(100)	CHARACTER	4	*	Reserved
260	(104)	CHARACTER	4	*	Reserved
264	(108)	CHARACTER	4	*	Reserved
268	(10C)	ADDRESS	4	SDSDWANX	CONTENTS OF SDWANXT1
272	(110)	CHARACTER	8	SDWCSTOK	When ECB specified - STOKEN of callers space. When SRB specified STOKEN of SRBASCB space (may be 0)
280	(118)	CHARACTER	8	SDWDTIME	Time of dump (used by SD2 to generate unique dump id for PRDSEQ)
280	(118)	UNSIGNED	4	SDWDTIMH	First word of time of dump
288	(120)	CHARACTER	28	SDWGDATA	Global storage dataspace data
288	(120)	CHARACTER	4	*	Flags
		1...		SDWGCREA	Dataspace created
		.1..		SDWGPACC	Dataspace added to PASN access list
288	(120)	BITSTRING	3	*	Reserved
292	(124)	ADDRESS	4	SDWGDSOR	Dataspace origin
296	(128)	BITSTRING	8	SDWGSTOK	Dataspace STOKEN
304	(130)	UNSIGNED	4	SDWGSECS	Number of DRPX Data Sections
308	(134)	ADDRESS	4	SDWGDNDS	Address of next available DRPX Data Section
312	(138)	CHARACTER	4	SDWGALET	Datapsace ALET
316	(13C)	CHARACTER	24	SDWDSPPL	Map DSPCALL parm list
316	(13C)	CHARACTER	1	SDWDSLVL	Level indicator-DSPCALL
317	(13D)	UNSIGNED	1	SDWDSRQT	Request type
318	(13E)	BITSTRING	1	SDWDSATR	Dataspace attributes
319	(13F)	BITSTRING	1	SDWDSZR0	Key of data space
		1111		SDWDSPKY	Storage protection key
		.... 1...		SDWDFPRO	Fetch protect bit
		.... .111		*	
320	(140)	BITSTRING	8	SDWDSSTK	STOKEN
328	(148)	ADDRESS	4	SDWDSPTR	Address of ASCB or ASTE
332	(14C)	CHARACTER	8	SDWDSDSN	Data space name
340	(154)	CHARACTER	4	SDWUCBTP	Copy of UCBTYP field
344	(158)	CHARACTER	32	*	RESERVED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	4168	SDOUTBUF	
0	(0)	CHARACTER	4168	*	SVC DUMP OUTPUT BUFFER

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	32	SDWDDRNG	LISTD ENTRY
0	(0)	ADDRESS	4	SDWDLDBA	BEGINNING ADDRESS
4	(4)	ADDRESS	4	SDWDLDEA	ENDING ADDRESS
		1...		LDSRANGE	ON - INDICATES LAST RANGE FOR THIS DATA SPACE
8	(8)	BITSTRING	8	SDWDSTOK	STOKEN
16	(10)	ADDRESS	4	SDWDRAA	POINTER TO REAL ASTE ADDRESS
20	(14)	CHARACTER	8	SDWDDSN	DATA SPACE NAME
28	(1C)	ADDRESS	4	SDWDOWNA	OWNING ASCB WHEN SYSMDUMP OR NEXT STOKEN ENTRY ASSOCIATED WITH A DIFFERENT ASID WHEN SDUMP

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	40	SDW_LIST64_ENTRY	
					LIST64 Entry
0	(0)	CHARACTER	8	SDW_LIST64_START_ADDR	
					Range start address
0	(0)	UNSIGNED	4	SDW_LIST64_STARTHH_WORD	
					Uppper 4 bytes
4	(4)	ADDRESS	4	SDW_LIST64_STARTLH_ADDR	
					Lower 4-bytes of the 64-bit address
		1...		SDW_LIST64_STARTLH_HIBIT	
					Hi order bit
4	(4)	BITSTRING	3	*	
8	(8)	CHARACTER	8	SDW_LIST64_END_ADDR	
					Range end address
8	(8)	UNSIGNED	4	SDW_LIST64_ENDHH_WORD	
					Upper 4 bytes
12	(C)	ADDRESS	4	SDW_LIST64_ENDLH_ADDR	
					Lower 4-bytes of the 64-bit address
		1...		SDW_LIST64_ENDLH_HIBIT	
					Hi order bit
12	(C)	BITSTRING	3	*	
16	(10)	BITSTRING	8	SDW_LIST64_STOKEN	
					Stoken
24	(18)	ADDRESS	4	SDW_LIST64_ASTE_ADDR	
					Real storage address of the Aste
28	(1C)	CHARACTER	8	SDW_DATASPACE_NAME	
					DataSpace name
36	(24)	ADDRESS	4	SDW_OWNINGASCB	
					Owning ASCB when Sysmdump or next stoken entry associated with a different asid when SDUMP

SDWORK Constants

Len	Type	Value	Name	Description
4	CHARACTER	SDW1	SDWRKID	CONTROL BLOCK IDENTIFIER TO BE USED WITH SDID FIELD
4	HEX	FFFFFFFF	SDW_BAD_ALET	Bad ALET constant
8	CHAR HEX	FFFFFFFFFFFFFFFF	SDW_L64_DELIMITER	Value that immediately follows a LIST64-style list of ranges in the LISTD table

SDWORK Cross Reference

Name	Hex Offset	Hex Value
LDSRANGE	4	80
SDCLEAR	28	
SDCSCECB	D8	
SDD00ECB	E4	
SDFLAGS	70	
SDFLAGS1	70	
SDFLAGS2	71	
SDFLAGS3	72	
SDFLAGS4	73	
SDID	0	
SDLOCPSW	70	40
SDNODUMP	B6	
SDOUTBUF	0	
SDPASS	0	
SDPDEP	84	
SDRETCOD	B4	
SDRETURN	B7	
SDRNGPT2	EC	
SDRTM2TR	70	80
SDSDSECB	1C	
SDSDSWAS	E8	
SDSDWAAS	FC	
SDSDWANX	10C	
SDSDWAPT	A0	
SDSRBCNT	E0	
SDSRBTHR	D0	
SDSTRECB	DC	
SDSUBGLB	98	
SDSUBLCL	9C	
SDTRACRC	A8	
SDTRCLEN	B0	
SDTTCH	AC	
SDW_DATASPACE_NAME	1C	
SDW_LIST64_ASTE_ADDR	18	
SDW_LIST64_END_ADDR	8	
SDW_LIST64_ENDHH_WORD	8	
SDW_LIST64_ENDLH_ADDR	C	
SDW_LIST64_ENDLH_HIBIT	C	80
SDW_LIST64_ENTRY	0	
SDW_LIST64_START_ADDR	0	
SDW_LIST64_STARTHH_WORD	0	
SDW_LIST64_STARTLH_ADDR	4	
SDW_LIST64_STARTLH_HIBIT	4	80
SDW_LIST64_STOKEN	10	
SDW_OWNINGASCB	24	
SDWBINDX	CE	
SDWBLKCT	CA	
SDWCDSD	70	20
SDWCLSDC	70	10
SDWCMSV	F4	
SDWCSTOK	110	
SDWCURMX	88	
SDWDDRNG	0	
SDWDDSN	14	
SDWDFPRO	13F	08
SDWDLDBA	0	
SDWDLDEA	4	
SDWDMPID	D4	
SDWDMPSN	D7	
SDWDMPTN	D4	
SDWDOWNA	1C	
SDWDPL	74	
SDWDRAA	10	
SDWDSATR	13E	
SDWDSDSN	14C	
SDWDSLVL	13C	
SDWDSPKY	13F	F0
SDWDSPPL	13C	
SDWDSPTR	148	
SDWDSRQT	13D	
SDWDSSTK	140	
SDWDSTOK	8	
SDWDSZR0	13F	
SDWDTIME	118	
SDWDTIMH	118	
SDWDUCTR	6C	
SDWDWTAT	70	08
SDWDWTP	70	04
SDWECBFT	F1	40
SDWECECB	F1	80
SDWECEOD	F0	08
SDWECFP	F0	
SDWECFTT	F0	10
SDWECSD1	F0	01
SDWECSYS	F0	80
SDWECWTO	F0	02
SDWEFLGS	F2	
SDWEINIO	F2	80
SDWESDGF	F2	20
SDWESSEF	F2	10
SDWEVSMF	F2	08

SDWORK Cross Reference

Name	Hex Offset	Hex Value
SDWEXITT	C9	
SDWE1RCD	F2	40
SDWGALET	138	
SDWGCREA	120	80
SDWGDATA	120	
SDWGDNDS	134	
SDWGDSOR	124	
SDWGLCAP	70	02
SDWGPACC	120	40
SDWGSECS	130	
SDWGSTOK	128	
SDWIOAAD	90	
SDWIOCNT	8C	
SDWKBITS	FF	F0
SDWLOOPI	38	
SDWMAXSP	F1	20
SDWMNPTR	8C	
SDWNDSPB	C	
SDWNDSPE	14	
SDWORK	0	
SDWOSSS	30	80
SDWPARMC	FE	
SDWRINDX	CC	
SDWSALET	6C	
SDWSASCB	3C	
SDWSCECB	2C	
SDWSDRC	C8	
SDWSDRSN	B8	
SDWSES	28	
SDWSESF	30	
SDWSR14	34	
SDWSSRB#	28	
SDWSSTOK	64	
SDWTINDX	78	
SDWUCBTP	154	
SDWUKEY	FF	
SDWUPROB	71	80
SDWXMSAV	64	

SETXPL Heading Information

Common Name: Extended Parameter List for the SET Keyword Processors Processors
Macro ID: IEEZB831
DSECT Name: SETPARMS
Owning Component: System Command - SVC 34 (SC1B8)
Eye-Catcher ID: None
Storage Attributes: Residency: IEEMB811 dynamic storage
Size: 24 bytes plus a variable number of 2-byte fields at offset 24
Created by: IEEMB811 - SET Keyword Scanner module
Pointed to by: Normal MVS linkage as seventh parameter
Serialization: None
Function: It is passed as the seventh parameter to the SET Keyword Processors and contains the new parameters that must be passed to the Processors.

SETXPL Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SETPARMS	Parm list for Keyword Processors
0	(0)	UNSIGNED	1	SETPVRSN	Version Level
1	(1)	BITSTRING	1	SETPFLG1	Flags
		1...		SETPFLST	'L' option is requested to obtain list of parmlib statements as they processed
		.1..		SETPFLNP	Resources obtained
		..11 1111		*	Reserved
2	(2)	BITSTRING	2	SETPRSVD	Reserved
4	(4)	UNSIGNED	4	SETPCNID	4-byte Console ID
8	(8)	CHARACTER	8	SETPCART	Command and Response Token
16	(10)	ADDRESS	4	SETPLSTP	Pointer to the begining of a list of suffix values in NIP time format (xx,...xx)' or (xx)'@L2A
20	(14)	SIGNED	4	SETPSFXN	Number of operand entires in SETPSFXT table
24	(18)	CHARACTER	2	SETPSFXT (*)	Table contains operands (suffix names specified on keyword)

SETXPL Constants

Len	Type	Value	Name	Description
1	DECIMAL	1	SETPSP41	Version Level - HBB4410
1	DECIMAL	2	SETPSP42	Version Level - HBB4420
1	DECIMAL	2	SETPVERS	Version Level - Current
1	DECIMAL	2	SETPSFXL	Length of each entry. This must be changed if KEYnDLM in IEEMB876 is changed.

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SETXPL Cross Reference

Name	Hex Offset	Hex Value
SETPARMS	0	
SETPCART	8	
SETPCNID	4	
SETPFLG1	1	
SETPFLNP	1	40
SETPFLST	1	80
SETPLSTP	10	
SETPRSVD	2	
SETPSFXN	14	
SETPSFXT	18	
SETPVRSN	0	

SGTE Heading Information

Common Name: SEGMENT TABLE ENTRY
Macro ID: IARSGTE
DSECT Name: SGTE
Owning Component: Real Storage Manager (SC1CR)
Eye-Catcher ID: None
Storage Attributes: Main Storage: Yes
Virtual Storage: Yes
Subpool: N/A
Key: 0
Data Space: Yes
Residency: Above 16Meg Virtual for address spaces Anywhere for Data spaces
Size: 4 bytes
Created by: RSM
Pointed to by: RABSGT field of the RAB Data Area
Serialization: Varies
Function: Maps a Segment Table Entry

SGTE Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	4	SGTE	
0	(0)	CHARACTER	4	SGTALL	
0	(0)	CHARACTER	3	SGTPTRSA	REAL ADDRESS OF PGT
0	(0)	SIGNED	2	SGTINDEX	INDEX TO SLT FOR THIS SEGMENT
0	(0)	CHARACTER	1	*	RESERVED
1	(1)	CHARACTER	1	SGTSKEY	STORAGE KEY VALUE FOR PAGES
		1111 1...		SGTSKEY5	STORAGE KEY 5 BITS
		1111		SGTKEY	KEY FOR ALL PAGES IN SEGMENT
		.... 1...		SGTFPROT	FETCH PROTECT ALL PAGES IF ON
		.... .111		*	RESERVED
2	(2)	BITSTRING	1	SGTFLGS1	SGTE FLAGS (IF SEGMENT INVALID)
		11..		SGTTYPNO	INVALID SEGMENT TYPE NUMBER
		..11 11..		*	RESERVED
		.... ..1.		SGTPGTBL	THE PGT FOR THIS SEGMENT HAS BEEN BUILT
		1		SGTANYWH	PAGES MAY BE BACKED ANYWHERE

Comment

NOTE - THE ABOVE THREE BYTES ARE VALID ONLY IF SGTINV=1. THE
BYTES ARE USED TO FORM THE PGT'S REAL ADDRESS IF SGTINV=0

End of Comment

3	(3)	CHARACTER	1	SGTBYTE	FLAGS PLUS PGT LENGTH
		11..		*	RESERVED. THESE TWO BITS ARE USED TO FORM THE PGT'S REAL ADDRESS IF SGTINV=0
		1...		SGTASSOC	VDAC SPACE MAY NEED TO BE ASSOCIATED IN THIS SEGMENT
		.1..		SGTMPEA	THERE EXIST MPES ASSOCIATED WITH THIS SEGMENT.
		..1.		SGTINV	SEGMENT IS INVALID
		...1		SGTCOM	SEGMENT IS A COMMON AREA SEG
		 1111		SGTPTL	(PGT SIZE/64)-1

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SGTE Constants

Len	Type	Value	Name	Description
Comment				
CONSTANTS USED TO DEFINE SGTE TYPE				
End of Comment				
0	BIT	00	SGTTYP0	TYPE 0 - ALL PAGES IN THE SEGMENT ARE IN A NON-GETMAINED STATE
0	BIT	01	SGTTYP1	TYPE 1 - ALL PAGES IN SEGMENT ARE GETMAINED WITH THE SAME KEY, FETCH PROTECTION, AND BACK ANYWHERE INDICATION
0	BIT	10	SGTTYP2	TYPE 2 - NOTHING HAS CHANGED IN THE SEGMENT SINCE THE SEGMENT WAS MADE INVALID EXCEPT POSSIBLY THE STORAGE KEY
0	BIT	11	SGTTYP3	TYPE 3 - THE SGTE POINTS TO A SECOND LEVEL TABLE (SLT)

SGTE Cross Reference

Name	Hex Offset	Hex Value
SGTALL	0	
SGTANYWH	2	01
SGTASSOC	3	80
SGTBYTE	3	
SGTCOM	3	10
SGTE	0	
SGTFLGS1	2	
SGTFPROT	1	08
SGTINDEX	0	
SGTINV	3	20
SGTKEY	1	F0
SGTMPEA	3	40
SGTPGTBL	2	02
SGTPTL	3	0F
SGTPTRSA	0	
SGTSKEY	1	
SGTSKEY5	1	F8
SGTTYPNO	2	C0

SHDR Heading Information

Common Name: SLIP Header
Macro ID: IHASHDR
DSECT Name: SHDR, SHDRX
Owning Component: SLIP (SCSLP)
Eye-Catcher ID: SHDR - for SHDR, SHDX - for SHDRX
Offset: 0 for both SHDR and SHDRX
Length: 4 for both SHDR and SHDRX
Storage Attributes: Subpool: 245 for both SHDR and SHDRX
Key: 0 for both SHDR and SHDRX
Residency: BELOW for SHDR, ANY for SHDRX
Size: SHDR - 200 bytes
SHDRX - 2624 bytes
Created by: IEECB905 when the first SLIP trap is set.
Pointed to by: CVTRTMS field of the CVT data area
Serialization: Compare & Swap, Compare Double & Swap
Function: The SHDR is the head of the PER and non-PER SCE chains. It points to the first and last elements in the SCE chains.

SHDR Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	200	SHDR	
0	(0)	CHARACTER	4	SHDRCBID	CONTROL BLOCK ID = SHDR
4	(4)	ADDRESS	4	SHDRPFC	IEAVTSLP USE COUNT
8	(8)	CHARACTER	8	SHDRCTFW	TO DELETE ENTRIES,MUST CDS
8	(8)	ADDRESS	4	SHDRCTR	PROCESSOR SERIALIZATION CTR
12	(C)	ADDRESS	4	SHDRFWD	FORWARD PTR TO SCE CHAIN
16	(10)	ADDRESS	4	SHDRBKWD	BACKWARD PTR TO SCE CHAIN
20	(14)	CHARACTER	4	SHDRFLCS	Label to CS flags
20	(14)	BITSTRING	1	SHDRFLGS	FLAGS
		1...		*	RESERVED
		.1..		SHDRDELP	DELETE IS PENDNG ON PREV SCE
		..1.		SHDRCRTN	COMMUNICATION RTN IS ACTIVE
		...1		SHDRSRBR	RESCHEDULE GLOBAL SRB
		.... 1...		SHDRPERI	ENABLED PER IGNORE TRAPS WITH THE SAME PER EVENT (IF, SA,SB) AS DEFINED IN THE ENABLED NON-IGNORE PER TRAP EXIST BETWEEN THE ENABLED NON-IGNORE PER TRAP AND THE END OF THE CHAIN
		.... .1..		SHDRM415	IEA415I MSG FLAG
		.... ..1.		SHDRM422	IEA422I MSG FLAG
		1		SHDRENABLEDMSGIDTRAPSEXIST	
21	(15)	BITSTRING	1	SHDRFLG2	FLAGS
		1...		SHDRPSTM	IND TO POST THE MESSAGE RTN, SET AND TESTED BY IEAVTSLP
		.1..		SHDRGCFC	IND GETCELL-FREECELL PROBLEM HAS OCCURRED
		..1.		SHDRPVTP	PER TRAP IS PVTMOD
		...1		SHDRPVTA	PVTMOD PER TRAP IS ACTIVE (ADDRESSES DETERMINED). ONLY VALID WITH SHDRPVTP
		.... 1...		SHDRPVLP	PVTMOD PER TRAP IS WAITING FOR LOAD OR VIRTUAL FETCH
		.... .1..		SHDRSTDP	DISABLED PER TRAP, ACTION = STRACE
		.... ..1.		SHDRCHNE	CHAINING ERROR IN SCE CHAIN
		1		*	Reserved
22	(16)	ADDRESS	2	SHDRIDCT	CTR FOR GENERATING SCE ID
24	(18)	ADDRESS	4	SHDRPROC	SLIP PROCESSOR IEAVTSLP

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Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
28	(1C)	ADDRESS	4	SHDRPER	ENABLED NON-IGNORE PER TRAP
32	(20)	ADDRESS	4	SHDRSRTN	PER SELECT RTN (IEAVTJBN)
36	(24)	ADDRESS	4	SHDRPERR	PER TRAPS SCVA RANGE ENTRY
40	(28)	ADDRESS	4	SHDRPERA	PER TRAPS SCVA ASID ENTRY
44	(2C)	ADDRESS	4	SHDRPERJ	PER TRAPS SCVA JOBNAME ENTRY
48	(30)	CHARACTER	4	SHDRSEQ	SEQUENCE WORD
48	(30)	CHARACTER	2	*	RESERVED
50	(32)	CHARACTER	2	SHDRSEQA	ASID WHEN LOCAL RTN OWNS SEQ WORD
52	(34)	ADDRESS	4	SHDRSRB	GLOBAL SRB FOR PER
		1...		SHDRSRBA	AVAILABILITY FLAG (ON=AVAIL)
56	(38)	ADDRESS	4	SHDRPOST	SRB FOR VTSLP TO POST THE COMMUNICATION RTN
		1...		SHDRPSTA	AVAILABILITY FLAG (ON=AVAIL)
60	(3C)	CHARACTER	4	SHDRCPID	SRB CELL POOL ID
64	(40)	CHARACTER	4	SHDRECB	MESSAGE ECB
68	(44)	CHARACTER	4	SHDRGECB	ECB FOR IEAVTGLB TO ISSUE PGFIX
72	(48)	CHARACTER	4	SHDRLECB	ECB FOR IEAVTLCL TO ISSUE PGFIX
76	(4C)	CHARACTER	12	SHDRCREG	PARM AREA FOR UPDATING THE PER CONTROL REGS
76	(4C)	CHARACTER	4	SHDRCR9	CONTROL REGISTER 9
76	(4C)	CHARACTER	1	SHDRC9	EVENT MASK BYTE
		1...		SHDRC9SB	SUCCESSFUL BRANCH
		.1..		SHDRC9IF	INSTRUCTION FETCH
		..1.		SHDRC9SA	STORAGE ALTERATION
		...1		*	RESERVED
		.... 1...		SHDRC9SS	SA STURA
		.... .111		*	SPACER
77	(4D)	CHARACTER	1	SHDRC9B1	
		1...		SHDRC9S2	PER 2 SB
		.1..		*	RESERVED
		..1.		SHDRC9SE	SA SELECTION
80	(50)	CHARACTER	8	SHDRCRS	PER RANGE
80	(50)	CHARACTER	4	SHDRCR10	PER STARTING ADDRESS TO BE LOADED INTO CONTROL REG 10
84	(54)	CHARACTER	4	SHDRCR11	PER ENDING ADDRESS TO BE LOADED INTO CONTROL REG 11
88	(58)	ADDRESS	4	SHDRCMS1	ADDRESS OF THE CMSET SET ENTRY POINT
92	(5C)	ADDRESS	4	SHDRCMR1	ADDRESS OF THE CMSET RESET WITH AUTH CHECK ENTRY POINT
96	(60)	ADDRESS	4	SHDRCMR2	ADDRESS OF THE CMSET RESET WITHOUT AUTH CHECK ENTRY POINT
100	(64)	ADDRESS	4	SHDRSSHP	ADDRESS OF THE SPACE SWITCH HANDLER (IEAVTSSH)
104	(68)	CHARACTER	8	SHDRSSTM	AMOUNT OF TIME TO EXECUTE THE SPACE SWITCH PROCESSING FOR SLIP
112	(70)	ADDRESS	4	SHDRSS1P	ADDRESS OF THE SPACE SWITCH HANDLER ENTRY POINT FOR CMSET INTERCEPTS (IEAVTSS1)
116	(74)	ADDRESS	4	SHDRPCDE	ADDRESS OF CDE FOR PVTMOD PER TRAP
120	(78)	ADDRESS	4	SHDRPVL1	ADDRESS OF EXIT FROM CONTENTS SUPERVISOR WHEN CDE IS PUT ONTO JOB PACK QUEUE
124	(7C)	ADDRESS	4	SHDRPVD1	ADDRESS OF EXIT FROM CONTENTS SUPERVISOR WHEN CDE IS TAKEN OFF JOB PACK QUEUE
128	(80)	CHARACTER	8	SHDRPVMN	PVTMOD PER MODULE NAME
136	(88)	UNSIGNED	2	SHDRPVAS	PVTMOD PER ASID
138	(8A)	BITSTRING	1	SHDRPVFL	PVTMOD PER FLAGS
		1...		SHDRPVTL	IF ON, PRIVATE MODULE IS LOCAL
		.1..		SHDRPVTG	IF ON, PRIVATE MODULE IS GLOBAL
		..1.		SHDRPOSIXPATHNAME	Indicate POSIX pathname is specified
		...1 1111		*	RESERVED
139	(8B)	BITSTRING	1	SHDRFLAG	MORE FLAGS
		1...		SHDRSTRC	IF ON, ACTION = STRACE, PER TRAP
		.1..		SHDRSTFP	IF ON, ACTION = STRACE, FAST PATH
		..1.		SHDRSTSB	IF ON, ACTION = STRACE, PER SB
		...1 1111		*	RESERVED
140	(8C)	ADDRESS	4	SHDRPASC	PVTMOD PER ASCB ADDR
144	(90)	ADDRESS	4	SHDRPTCB	PVTMOD PER TCB ADDRESS

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
148	(94)	ADDRESS	4	SHDRPVR1	ADDRESS OF EXIT FROM VIRTUAL FETCH END OF TASK, END OF MEMORY RESOURCE MANAGERS
152	(98)	CHARACTER	4	SHDRSTID	ACTION=STRACE, ID OF TRAP
156	(9C)	SIGNED	4	SHDRMLC	ACTION=STRACE, CURRENT MATCHLIM
160	(A0)	UNSIGNED	2	SHDRMLT	ACTION=STRACE, TOTAL MATCHLIM DEFAULT
162	(A2)	CHARACTER	2	*	RESERVED
164	(A4)	ADDRESS	4	SHDRPERFIRST	For an active dynamic PER activation chain, this points to the first trap on the chain. For a single active PER trap this is the same as ShdrPer
168	(A8)	CHARACTER	8	SHDRCTF2	TO DELETE ENTRIES,MUST CDS. THIS QUEUE IS OF NON-PER SCE'S
168	(A8)	ADDRESS	4	SHDRCTR2	SERIALIZATION COUNTER
172	(AC)	ADDRESS	4	SHDRFWD2	FORWARD PTR TO SCE
176	(B0)	ADDRESS	4	SHDRBWD2	BACKWARD PTR TO SCE
180	(B4)	ADDRESS	4	SHDRIDQ	QUEUE OF IDS WITH ASSOCIATED SCE'S
184	(B8)	ADDRESS	4	SHDRIDQL	END OF ID QUEUE
188	(BC)	ADDRESS	4	SHDRWMSG	ADDRESS OF DISABLED CONSOLE MESSAGE AREA
		1...		SHDRWALK	Lock bit (C/S)
192	(C0)	ADDRESS	4	SHDRXADR	ADDRESS OF SHDR EXTENSION
196	(C4)	CHARACTER	4	*	RESERVED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	2728	SHDRX	SHDR EXTENSION, ABOVE 16M
0	(0)	CHARACTER	4	SHDRXID	SHDR EXTENSION ID
4	(4)	ADDRESS	4	SHDRSYNV	A=SYNCSVCD VCONS
		1...		SHDRSDIU	1 => SYNCSVCD AREA IN USE
8	(8)	ADDRESS	4	SHDRRCTX	ADDRESS OF IEAVTSLO
12	(C)	ADDRESS	4	SHDRADR	ADDRESS OF IEAVTADR
16	(10)	ADDRESS	4	SHDRGLB	ADDRESS OF IEAVTGLB
20	(14)	ADDRESS	4	SHDRCECB	ECB FOR COMMAND PROCESSOR IEECB941 TO USE FOR PGFIX
24	(18)	CHARACTER	4	SHDRXCSWORD	Work for CS
24	(18)	SIGNED	2	SHDRXLEN	LENGTH OF SHDRX
26	(1A)	CHARACTER	1	SHDRXFLGS1	Flags
		1...		SHDRXPERDEACTIVATIONINPROGRESS	Indicates a PER trap is being deactivated. This bit is turned on by the command processor for disablement or deletion of a PER trap and by the action processor for disablement via matchlim/prcntlim. If it is on control will not enter IEAVTSLD. It remains on until all of the PER workareas are freed by IEAVTGLB
27	(1B)	UNSIGNED	1	SHDRXPOSIXPATHNAMELENGTH	Length of specified pathname
28	(1C)	ADDRESS	4	SHDRXSSB	ADDRESS OF IEAVTSSB
32	(20)	ADDRESS	4	SHDRXIEAVTPVG@	Address of IEAVTPVG
36	(24)	ADDRESS	4	SHDRXPLP@	Address of IEAVTPLP
40	(28)	CHARACTER	3	*	RESERVED
43	(2B)	BITSTRING	1	SHDRXFLAGS2	
		1...		SHDRXLPAMODORLPAEP	
44	(2C)	CHARACTER	8	*	RESERVED
52	(34)	CHARACTER	452	SHDRSYND	A=SYNCSVCD AREA
52	(34)	CHARACTER	40	SHDRSDSP	STOP PARAMETER LIST
92	(5C)	CHARACTER	12	SHDRSDOA	STOP/RESET OUTPUT AREA
104	(68)	CHARACTER	44	SHDRSDS1	SRB 1
148	(94)	CHARACTER	44	*	Reserved
192	(C0)	CHARACTER	48	SHDRSDP1	SRB 1 PARAMETER AREA
192	(C0)	CHARACTER	32	SHDRSDSD	RESERVED FOR SDUMP
224	(E0)	CHARACTER	4	SHDRSDAS	TARGET ASCB
240	(F0)	CHARACTER	72	SHDRSDSA	SAVE AREA
312	(138)	CHARACTER	24	SHDRSDRP	RESET PARAMETER LIST

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
336	(150)	CHARACTER	72	SHDRSDWA	WORK AREA
408	(198)	CHARACTER	24	*	Reserved
432	(1B0)	CHARACTER	72	*	RESERVED
504	(1F8)	CHARACTER	1160	SHDRXWMAOLD	This area used to be here. For ease of expansion, it is now just pointed to. This means that these 1160 bytes can be remapped.
1664	(680)	CHARACTER	44	SHDRXSRB	SRB POINTED TO BY SHDRPOST
1708	(6AC)	SIGNED	4	SHDRXAS#	NUMBER ASIDSA ASIDS
1712	(6B0)	CHARACTER	9	SHDRXASA (16)	ASIDSA ASIDS/Jobnames
1712	(6B0)	BITSTRING	1	SHDRXAFLGS	
		1...		SHDRXAJOBNAMESPECIFIED	Jobname specified
1713	(6B1)	CHARACTER	8	SHDRXAJOBNAME	Jobname
1713	(6B1)	CHARACTER	2	SHDRXAASID	ASID
1856	(740)	SIGNED	4	SHDRXDS#	NUMBER DSSA SPACES
1860	(744)	CHARACTER	17	SHDRXDSA (16)	DSSA SPACES
1860	(744)	BITSTRING	1	SHDRXDFLGS	
		1...		SHDRXDJOBNAMESPECIFIED	Jobname was specified
1861	(745)	CHARACTER	8	SHDRXDJOBNAME	Jobname
1861	(745)	CHARACTER	2	SHDRXDASID	ASID
1869	(74D)	CHARACTER	8	SHDRXDNM	NAME
2132	(854)	CHARACTER	236	SHDRXWST	A=WAIT Status area. This area is serialized by the high order bit of SHDRWMSG
2132	(854)	CHARACTER	28	SHDRXWRK	X'40C' area
2132	(854)	UNSIGNED	1	SHDRXWTY	Trap type
2133	(855)	CHARACTER	2	SHDRXWCP	Logical Cpu
2135	(857)	CHARACTER	1	*	Reserved
2136	(858)	ADDRESS	4	SHDRXWG@	Address of GRs
2140	(85C)	ADDRESS	4	SHDRXWP@	Address of ARs
2144	(860)	ADDRESS	4	SHDRXWV@	Address of Variable
2148	(864)	ADDRESS	4	SHDRXWC@	Address of CRs
2152	(868)	ADDRESS	4	SHDRXWA@	Address of ARs
2156	(86C)	ADDRESS	4	SHDRXWG64H@	Address of G64H
2160	(870)	CHARACTER	4	SHDRXWID	Trap ID
2164	(874)	CHARACTER	64	SHDRXWGR	GPRs 0-15
2228	(8B4)	CHARACTER	8	SHDRXWPS	PSW
2236	(8BC)	CHARACTER	52	*	
2288	(8F0)	CHARACTER	8	SHDRXWCR	Control regs 3,4
2296	(8F8)	CHARACTER	64	SHDRXWAR	ARs 0-15
2360	(938)	CHARACTER	8	SHDRXWPE	PER code when needed
2368	(940)	CHARACTER	240	SHDRWAL4	Area for SL4
2368	(940)	CHARACTER	44	SHDRWAS1	SRB to IEAVTSL4
2412	(96C)	CHARACTER	4	*	RESERVED
2416	(970)	CHARACTER	40	SHDRWASP	STOP PARAMETER LIST
2456	(998)	CHARACTER	12	SHDRWAOA	STOP/RESET OUTPUT AREA
2468	(9A4)	CHARACTER	72	SHDRWASA	SAVE AREA
2540	(9EC)	CHARACTER	24	SHDRWARP	RESET PARAMETER LIST
2564	(A04)	CHARACTER	4	*	Reserved
2568	(A08)	CHARACTER	40	SHDRWAP1	SL4 parmarea
2568	(A08)	ADDRESS	4	SHDRWASC	SCE address
2572	(A0C)	BITSTRING	1	*	
		1...		SHDRWAPE	1 => PER
		.1..		SHDRWARS	1 => Reset needed
		..1.		SHDRWARESCHEDULE	1 => Reschedule of IEAVTSL4
2573	(A0D)	CHARACTER	3	*	Reserved
2576	(A10)	CHARACTER	32	SHDRSDUMPTOKEN	Token to be passed to SDUMP
2576	(A10)	CHARACTER	8	SHDRIXCSSMOTIME	Time when the IXCSSMO was invoked
2608	(A30)	SIGNED	4	SHDRXSLDCOUNT	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Counter to serialize the setting of the control regs in IEAVTGLB/IEAVTPVT with IEAVTSLD. When IEAVTSLD is in control, the value is '80000000'X which locks out IEAVTGLB/IEAVTPVT. The dispatcher lock serializes IEAVTGLB with IEAVTPVT
2612	(A34)	ADDRESS	4	SHDRXLASTPERFIRST	Last value that ShdrPerFirst was set to
2616	(A38)	ADDRESS	4	SHDRXLCL	Address of IEAVTLCL
2620	(A3C)	ADDRESS	4	SHDRXLCL1	Address of LPERRMTR in IEAVTLCL
2624	(A40)	CHARACTER	64	SHDRXWST2	More A=WAIT Status area. This area is serialized by the high order bit of SHDRWMSG
2624	(A40)	CHARACTER	64	SHDRXWG64H	G64H
2688	(A80)	CHARACTER	16	SHDRXCGS	ESAME PER range
2688	(A80)	CHARACTER	8	SHDRXCG10	PER STARTING ADDRESS TO BE LOADED INTO CONTROL REG 10
2688	(A80)	ADDRESS	4	SHDRXCG10HIGH	
2692	(A84)	ADDRESS	4	SHDRXCG10LOW	
2696	(A88)	CHARACTER	8	SHDRXCG11	PER ENDING ADDRESS TO BE LOADED INTO CONTROL REG 11
2696	(A88)	ADDRESS	4	SHDRXCG11HIGH	
2700	(A8C)	ADDRESS	4	SHDRXCG11LOW	
2704	(A90)	ADDRESS	4	SHDRXVTSMG	Address of the slip msg exit for SVC WTO
2708	(A94)	ADDRESS	4	SHDRXVTSM1	Address of the slip msg exit for branch entry WTO
2712	(A98)	UNSIGNED	2	SHDRXMSGIDLENGTH	Length of msgid - used when only 1 msgid trap exists
2714	(A9A)	CHARACTER	10	SHDRXMSGIDTEXT	Text of the msgid - used when only 1 msgid trap exists
2724	(AA4)	CHARACTER	4	*	Unused
2728	(AA8)	CHARACTER	0	*	End of SHDR

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	24	SHDRSDV	V-CONS FOR SYNCSVCD
0	(0)	ADDRESS	4	SHDRVS1E	POINTER-DEFINED EPA
4	(4)	ADDRESS	4	SHDRVS1F	POINTER-DEFINED FRRA
8	(8)	ADDRESS	4	SHDRVS1R	POINTER-DEFINED RMTRA
12	(C)	ADDRESS	4	SHDRVS2E	POINTER-DEFINED EPA
16	(10)	ADDRESS	4	SHDRVS2F	POINTER-DEFINED FRRA
20	(14)	ADDRESS	4	SHDRVS2R	POINTER-DEFINED RMTRA

SHDR Constants

Len	Type	Value	Name	Description
		Comment		
		THE FOLLOWING CONSTANTS IDENTIFY THE OWNER OF THE SHDRSEQ WORD WHICH IS USED TO SERIALIZE ACCESS TO THE SCE CHAIN.		
		End of Comment		
4	CHARACTER	CMD	SHDRSEQC	SHDRSEQ OWNED BY THE CMD PROC IEECB905
4	CHARACTER	DSP	SHDRSEQD	SHDRSEQ OWNED BY THE DISPLAY RTN IEECB907
4	CHARACTER	GLB	SHDRSEQG	SHDRSEQ OWNED BY THE SLIP GLOBAL PER ACT/DEACT RTN IEAVTGLB
4	CHARACTER	SLX	SHDRSEQX	ShdrSeq owned by Slip dump exit
4	CHARACTER	L	SHDRSEQL	SHDRSEQ OWNED BY THE SLIP LOCAL PER ACT/DEACT RTN IEAVTLCL (NOTE: LAST 2 CHAR CONTAIN THE ASID OF THE ADDR SPACE IN WHICH IEAVTLCL IS EXECUTING)

SHDR Constants

Len	Type	Value	Name	Description
4	DECIMAL	1160	SHDRWMSZ	SIZE OF WAIT STATE MESSAGE / WORK AREA. SERIALIZED BY RESTART LOCK WORD AND HIGH ORDER (USE-) BIT OF SHDRWMSG

Comment

THE FOLLOWING ARE CONSTANTS THAT SHOULD BE USED WHEN SETTING BITS IN THE SHDR VIA THE CS INSTRUCTION. THE BIT WHICH EACH OF THE FOLLOWING MASKS SETS IS GIVEN IN THE COMMENT ON THAT LINE. THE SHDRX... FORM IS FOR SETTING THE BIT ON AND THE SHDRY... FORM IS FOR SETTING THE BIT OFF.

End of Comment

4	HEX	40000000	SHDRXDEL	SHDRDELP
4	HEX	BFFFFFFF	SHDRYDEL	SHDRDELP
4	HEX	20000000	SHDRXCRN	SHDRCRTN
4	HEX	DFFFFFFF	SHDRYCRN	SHDRCRTN
4	HEX	10000000	SHDRXRBR	SHDRSRBR
4	HEX	EFFFFFFF	SHDRYRBR	SHDRSRBR
4	HEX	08000000	SHDRXPRI	SHDRPERI
4	HEX	F7FFFFFF	SHDRYPRI	SHDRPERI
4	HEX	04000000	SHDRX415	SHDRM415
4	HEX	FBFFFFFF	SHDRY415	SHDRM415
4	HEX	02000000	SHDRX422	SHDRM422
4	HEX	FDFFFFFF	SHDRY422	SHDRM422
4	HEX	00800000	SHDRXPST	SHDRPSTM
4	HEX	FF7FFFFF	SHDRYPST	SHDRPSTM
4	HEX	00400000	SHDRXFC	SHDRGCFC
4	HEX	FFBFFFFF	SHDRYFC	SHDRGCFC
4	HEX	00200000	SHDRXPVP	SHDRPVTP
4	HEX	FFDFFFFF	SHDRYPVP	SHDRPVTP
4	HEX	00100000	SHDRXPVA	SHDRPVTA
4	HEX	FFEFFFFF	SHDRYPVA	SHDRPVTA
4	HEX	00080000	SHDRXPLP	SHDRPVLP
4	HEX	FFF7FFFF	SHDRYPLP	SHDRPVLP
4	HEX	00040000	SHDRXSTD	SHDRSTDP
4	HEX	FFFBFFFF	SHDRYSTD	SHDRSTDP
4	HEX	00020000	SHDRXCHN	SHDRCHNE
4	HEX	FFFDFFFF	SHDRYCHN	SHDRCHNE Test for PLX 2.1
4	NUMB HEX	0000006F	SHDRMSGABENDCODE	
4	NUMB HEX	0006F000	SHDRMSGABENDCODECHECK	
4	DECIMAL	8	SHDRMSGABENDREASON	
4	DECIMAL	336	SHDRMSGDYNSIZE	
8	CHAR HEX	FFFFFFFFFFBADBAD	VTADRBADBASECON	It is vital that bit 32 of this constant be "1" so that the ESA390 test in IEAVTADR will properly identify the "no base" condition */
4	DECIMAL	1	VTADRENABLED	Function code to tell IEAVTADR that the caller is enabled
4	DECIMAL	2	VTADRSCAN	Function code to tell IEAVTADR just to scan and not convert the indirect address
4	DECIMAL	3	VTADRISITINDIRECT	Function code to tell IEAVTADR just to scan to see if this is an indirect address
4	DECIMAL	4	VTADRSCANTONEXTADRQUALIFIER	Function code to tell IEAVTADR just to scan to to the next address qualifier

SHDR Cross Reference

Name	Hex Offset	Hex Value
SHDR	0	
SHDRADR	C	
SHDRBKWD	10	
SHDRBWD2	B0	
SHDRCBID	0	
SHDRCECB	14	
SHDRCHNE	15	02
SHDRCMR1	5C	
SHDRCMR2	60	
SHDRCMS1	58	
SHDRCPID	3C	
SHDRCREG	4C	
SHDRCRS	50	
SHDRCRTN	14	20
SHDRCR10	50	
SHDRCR11	54	
SHDRCR9	4C	
SHDRCTFW	8	
SHDRCTF2	A8	
SHDRCTR	8	
SHDRCTR2	A8	
SHDRC9	4C	
SHDRC9B1	4D	
SHDRC9IF	4C	40
SHDRC9SA	4C	20
SHDRC9SB	4C	80
SHDRC9SE	4D	20
SHDRC9SS	4C	08
SHDRC9S2	4D	80
SHDRDELP	14	40
SHDRECB	40	
SHDRENABLEDMSGIDTRAPSEXIST	14	01
SHDRFLAG	8B	
SHDRFLCS	14	
SHDRFLGS	14	
SHDRFLG2	15	
SHDRFWD	C	
SHDRFWD2	AC	
SHDRGCFC	15	40
SHDRGECB	44	
SHDRGLB	10	
SHDRIDCT	16	
SHDRIDQ	B4	
SHDRIDQL	B8	
SHDRIXCSSMOTIME	A10	
SHDRLECB	48	
SHDRMLC	9C	
SHDRMLT	A0	
SHDRM415	14	04
SHDRM422	14	02
SHDRPASC	8C	
SHDRPCDE	74	
SHDRPER	1C	
SHDRPERA	28	
SHDRPERFIRST	A4	
SHDRPERI	14	08
SHDRPERJ	2C	
SHDRPERR	24	
SHDRPFC	4	
SHDRPOSIXPATHNAME	8A	20
SHDRPOST	38	
SHDRPROC	18	
SHDRPSTA	38	80
SHDRPSTM	15	80
SHDRPTCB	90	
SHDRPVAS	88	
SHDRPVD1	7C	
SHDRPVFL	8A	
SHDRPVLP	15	08
SHDRPVL1	78	
SHDRPVMN	80	
SHDRPVR1	94	
SHDRPVTA	15	10
SHDRPVTG	8A	40
SHDRPVTL	8A	80
SHDRPVTP	15	20
SHDRRCTX	8	
SHDRSDAS	E0	
SHDRSDIU	4	80
SHDRSDOA	5C	
SHDRSDP1	C0	
SHDRSDRP	138	
SHDRSDSA	F0	
SHDRSDSD	C0	
SHDRSDSP	34	
SHDRSDS1	68	
SHDRSDUMPTOKEN	A10	
SHDRSDV	0	
SHDRSDWA	150	
SHDRSEQ	30	
SHDRSEQA	32	
SHDRSRB	34	
SHDRSRBA	34	80
SHDRSRBR	14	10
SHDRSRTN	20	
SHDRSSHP	64	
SHDRSSTM	68	
SHDRSS1P	70	
SHDRSTDP	15	04
SHDRSTFP	8B	40
SHDRSTID	98	
SHDRSTRC	8B	80
SHDRSTSB	8B	20
SHDRSYND	34	
SHDRSYNV	4	
SHDRVS1E	0	
SHDRVS1F	4	
SHDRVS1R	8	
SHDRVS2E	C	
SHDRVS2F	10	
SHDRVS2R	14	
SHDRWALK	BC	80
SHDRWAL4	940	
SHDRWAOA	998	
SHDRWAPE	A0C	80
SHDRWAP1	A08	
SHDRWARESCHEDULE	A0C	20
SHDRWARP	9EC	
SHDRWARS	A0C	40
SHDRWASA	9A4	
SHDRWASC	A08	

SHDR Cross Reference

Name	Hex Offset	Hex Value
SHDRWASP	970	
SHDRWAS1	940	
SHDRWMSG	BC	
SHDRX	0	
SHDRXAASID	6B1	
SHDRXADR	C0	
SHDRXAFLGS	6B0	
SHDRXAJOBNAME	6B1	
SHDRXAJOBNAMESPECIFIED	6B0	80
SHDRXAS#	6AC	
SHDRXASA	6B0	
SHDRXCGS	A80	
SHDRXCG10	A80	
SHDRXCG10HIGH	A80	
SHDRXCG10LOW	A84	
SHDRXCG11	A88	
SHDRXCG11HIGH	A88	
SHDRXCG11LOW	A8C	
SHDRXCSWORD	18	
SHDRXDASID	745	
SHDRXDFLGS	744	
SHDRXDJOBNAME	745	
SHDRXDJOBNAMESPECIFIED	744	80
SHDRXDNM	74D	
SHDRXDS#	740	
SHDRXDSA	744	
SHDRXFLAGS2	2B	
SHDRXFLGS1	1A	
SHDRXID	0	
SHDRXIEAVTPVG@	20	
SHDRXLASTPERFIRST	A34	
SHDRXLCL	A38	
SHDRXLCL1	A3C	
SHDRXLEN	18	
SHDRXLPAMODORLPAEP	2B	80
SHDRXMSGIDLENGTH	A98	
SHDRXMSGIDTEXT	A9A	
SHDRXPERDEACTIVATIONINPROGRESS	1A	80
SHDRXPLP@	24	
SHDRXPOSIXPATHNAMELENGTH	1B	
SHDRXSLDCOUNT	A30	
SHDRXSRB	680	
SHDRXSSB	1C	
SHDRXVTSMG	A90	
SHDRXVTSM1	A94	
SHDRXWA@	868	
SHDRXWAR	8F8	
SHDRXWC@	864	
SHDRXWCP	855	
SHDRXWCR	8F0	
SHDRXWG@	858	
SHDRXWGR	874	
SHDRXWG64H	A40	
SHDRXWG64H@	86C	
SHDRXWID	870	
SHDRXWMAOLD	1F8	
SHDRXWP@	85C	
SHDRXWPE	938	
SHDRXWPS	8B4	
SHDRXWRK	854	
SHDRXWST	854	
SHDRXWST2	A40	
SHDRXWTY	854	
SHDRXWV@	860	

SIOT Programming Interface information

Programming Interface information

SIOT

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

- SCTDDNAM
- SCTSBYT1
- SCTSBYT2
- SCTSBYT3
- SCTSBYT4
- SCTSDISP
- SCTUTYPE
- SIOTDEVT
- SIOTSMSM
- SIOUBYT3

End of Programming Interface information

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SIOT Heading Information

Common Name: Step Input/Output Table
Macro ID: IEFASIOT
DSECT Name: INDMSIOT
Owning Component: Interpreter (SC1B9)
Eye-Catcher ID: 'SIOT'
Offset: -4 (SWA prefix)
Length: 4 bytes
Storage Attributes: Subpool: 236 or 237 (SWA), 241 for MSTR address space
Key: 1
Residency: Any
Size: 174 bytes
FREQUENCY = One per specified or generated DD statement.
Created by: Interpreter and Dynamic Allocation
Pointed to by: - AWARSAV1 field (pointer) of the IATYAWA data area (IATUX32)
Serialization: None
Function: Contains information concerning a data definition (DD) JCL statement

SIOT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	DBL WORD	8	(0)	
0	(0)	X'0'	0	INDMSIOT	"*" STEP I-O TABLE
0	(0)	CHARACTER	3	SIOTDSKA	SVA OF THIS SIOT
3	(3)	CHARACTER	1	SIOTTYPE	TABLE ID OF SIOT =3
3	(3)	X'3'	0	SIOTID	"3"
3	(3)	X'7'	0	DSNID	"7"
4	(4)	CHARACTER	8	SCTDDNAM	THE DDNAME FROM THE DD CARD
12	(C)	CHARACTER	8	SIOTDEST	USER ID ENABLING SYSOUT TO BE ROUTED VIA JCL
20	(14)	CHARACTER	2	SCTUSADD	INTERNAL NUMBER OF THE DD STATEMENT FOR WHICH UNIT AFFINITY IS SPECIFIED IN THIS DD STATEMENT
20	(14)	X'14'	0	SIOTUNAF	"SCTUSADD"
22	(16)	CHARACTER	2	SIODSNTE	OFFSET INTO DSNT FOR DCB REFERENCE TO A DATA SET
24	(18)	CHARACTER	2	SIOTVLSP	VOL SEP DD NO.
26	(1A)	CHARACTER	2	SIOTAFID	AFFINITY ASSOCIATION ID WITH MULTI-UNIT/GENERIC REQUEST
28	(1C)	CHARACTER	4	SCTPSIOT	SVA OF NEXT SIOT IN CHAIN
32	(20)	CHARACTER	4	SCTPJFCB	SVA OF JFCB
36	(24)	CHARACTER	3	SIOTVRSB	SVA OF SIOT FOR VOLREF OR SUBALLOCATE
39	(27)	CHARACTER	1	SIOTOTUN	TOTAL NUMBER OF UNITS USED FOR THIS SIOT
40	(28)	CHARACTER	2	SIOTREFN	DD NUMBER OF INTRA STEP
42	(2A)	CHARACTER	1		Reserved
43	(2B)	CHARACTER	1	SIOTBYT1	MVM INDICATORS
43	(2B)	X'80'	0	SIOTOCKP	"128" BIT 0 - DATA SET OPEN AT LAST CHECKPOINT
43	(2B)	X'40'	0	SIOTHOLD	"64" BIT 1 - SYSOUT DATA SET TO BE PLACED ON HOLD QUEUE.
43	(2B)	X'20'	0	SIOVAMDS	"32" BIT 2 - VAM DATA SET
43	(2B)	X'10'	0	SIODUNAL	"16" BIT 3 - DATA SET HAS BEEN DYNAMICALLY UNALLOCATED
43	(2B)	X'8'	0	SIOTDADR	"8" BIT 4 - DADSM IS REQUIRED
43	(2B)	X'4'	0	SIODADSM	"4" BIT 5 - DADSM WAS SUCCESSFUL
43	(2B)	X'2'	0	SIOTALCD	"2" BIT 6 - THIS SIOT IS COMPLETELY ALLOCATED
43	(2B)	X'1'	0	SIOTDDNT	"1" BIT 7 - IN TSO, COMMAND PROCESSOR MUST PUT DDNAME IN DDNT
44	(2C)	CHARACTER	2	SCTDDINO	INTERNAL NUMBER OF THE DD STATEMENT
46	(2E)	CHARACTER	1	SIOTBYT3	ALLOCATION INDICATOR BYTE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
46	(2E)	X'80'	0	SIOALIAS	"128" BIT 0 - ALIAS EXISTS FOR THIS DATA SET
46	(2E)	X'40'	0	SIOCDEVT	"64" BIT 1 - DEVICE TYPE FOR THIS DATA SET OBTAINED FROM CATALOG
46	(2E)	X'20'	0	SIOTJES3	"32" BIT 2 - DEVICES FOR THIS ALLOCATION SELECTED BY JES3
46	(2E)	X'10'	0	S3400OFF	"16" BIT 3 - INITALIZE S3400DSP TO OFF
46	(2E)	X'8'	0	SIOTDSID	"8" BIT 4 - ON FOR DSID KEYWORD
46	(2E)	X'4'	0	SIOUCVTD	"4" BIT 5 - On when unit name conversion has been done. Also refer to SIOUCNVT.
46	(2E)	X'2'	0	SIOTDSOP	"2" BIT 6 - On when the dataset has been opened.
46	(2E)	X'1'	0	SIOTHLD	"1" BIT 7 - HOLD= WAS SPECIFIED FOR THIS ALLOCATION
47	(2F)	CHARACTER	1	SIOTTSTC	INDICATORS FOR TIME SHARING AND TCAM
47	(2F)	X'80'	0	SIOTINFC	"128" BIT 0 - SIOT INF CODE INDICATOR
47	(2F)	X'40'	0	SIOTTERM	"64" BIT 1 - TSO TERMINAL BIT - DD TERM=TS PARAMETER SET BY IEFVDA
				Comment	
		EQU 32 BIT 2 - RESERVED			
				End of Comment	
47	(2F)	X'10'	0	SIOTSSGP	"16" BIT 3 - GROUP SUBSYSTEM REQUEST(SUBSYS)
47	(2F)	X'8'	0	SIOTSSMG	"8" BIT 4 - SUBSYSTEM ERROR MSG INDICATOR
47	(2F)	X'4'	0	SIOTTRKM	"4" BIT 5 - XB609 SETS FOR AB427 WHEN DYNAMIC
47	(2F)	X'2'	0	SIOTDSNM	"2" BIT 6 - SYSOUT DSDR FOUND ON CHECKPOINT DATA SET
47	(2F)	X'1'	0	SIOTQNAM	"1" BIT 7 - FOR TCAM USE =1 IF QNAME= ON DD STATEMENT. SET BY IEFVDA, TESTED BY ALLOCATION
48	(30)	CHARACTER	1	SCTSPOOL	INTERNAL NO. OF POOL DD
49	(31)	CHARACTER	1	SCTVOLCT	NUMBER OF VOLUMES FOR THIS DATASET
50	(32)	CHARACTER	2		Reserved
52	(34)	CHARACTER	1	SIOTBYT0	EXTENDED ALLOCATION INDICATORS
52	(34)	X'80'	0	SIOTSSDS	"128" BIT 0 - DATA SET WILL BE PROCESSED BY A SUBSYSTEM
52	(34)	X'40'	0	SIOTDYAL	"64" BIT 1 - DATA SET DYNAMICALLY ALLOCATED
52	(34)	X'20'	0	SIOTCRIJ	"32" BIT 2 - Data set created in this job
52	(34)	X'10'	0	SIOTWOWO	"16" BIT 3 - Who Owns, We Own flag. When on, it indicates that this is a Dynamic Allocation that is Demanding an ATL device that is already allocated to this job. This flag is set by IEFAB452 and then checked by IEFAB42B and IEFAB424 to avoid failing the subject Request.
52	(34)	X'8'	0	SIOTDDSP	"8" BIT 4 - Value in SCTSDISP was defaulted
52	(34)	X'4'	0	SIOTNOPV	"4" BIT 5 - USE ATTRIBUTE OF UCB HAS BEEN MADE PRIVATE
52	(34)	X'2'	0	SIOTPUPV	"2" BIT 6 - USE ATT. OF UCB CHANGED FROM PUB TO PRIVATE
52	(34)	X'1'	0	SIOTDDMP	"1" BIT 7 - This Dynamically Allocated or Unallocated SIOT requested message processing. - This flag will be set by both IEFDB414 IEFDB4A1 and will mirror S99EWTP. - It will be checked by IEFAB4EE (Allocate) and used by IEFAB4A2 (DISPosition) to determine if the messages for a particular Dynamic Allocation or Unallocation should be buffered or left for Dynamic message processing to handle.
53	(35)	CHARACTER	1	SCTNMBUT	THE NUMBER OF UNITS FOR THE DATA SET
54	(36)	CHARACTER	1	SIOTVLCT	VALUE OF SPECIFIED VOL COUNT(= JFCBVLCT)
55	(37)	CHARACTER	1	SCTSDISP	SCHEDULER DISPOSITION OF THE DATA SET (AT THE END OF THE STEP OR JOB) INDICATORS
55	(37)	X'80'	0	SIOTRETN	"128" BIT 0 - RETAIN BIT
55	(37)	X'40'	0	S3400DSP	"64" BIT 1 - FOR DISP. PROCESSING OF DATA SET ON ASPEN DEVICE
55	(37)	X'20'	0	PRIVATE	"32" BIT 2 - PRIVATE VOLUME
55	(37)	X'20'	0	SIOTPRIV	"32" BIT 2 - PRIVATE VOLUME
55	(37)	X'10'	0	SIOTPASS	"16" BIT 3 - PASS THE DATA SET
55	(37)	X'8'	0	SIOTKEEP	"8" BIT 4 - KEEP THE DATA SET

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
55	(37)	X'4'	0	SIOTDLET	"4" BIT 5 - DELETE DATA SET
55	(37)	X'2'	0	SIOTCTLG	"2" BIT 6 - CATALOG THE DATA SET
55	(37)	X'1'	0	SIOTUNCT	"1" BIT 7 - UNCATALOG THE DATA SET
56	(38)	CHARACTER	1	SCTSBYT1	INDICATOR BYTE NUMBER 1
56	(38)	X'80'	0	SCTDUMMY	"128" BIT 0 - DUMMY DATA SET
56	(38)	X'40'	0	SCTSYSIN	"64" BIT 1 - SYSIN DATA SET
56	(38)	X'20'	0	SIOTCCAT	"32" BIT 2 - BLANK DD NAME - CONCATENATION
56	(38)	X'10'	0	SIOTGDSN	"16" BIT 3 - GENERATED DATA SET NAME
56	(38)	X'8'	0	SIOTQDSN	"8" BIT 4 - QUALIFIED DATA SET IS SPECIFIED
56	(38)	X'4'	0	SCTPARLM	"4" BIT 5 - PARALLEL MOUNT INDICATOR
56	(38)	X'2'	0	SCTUNAFF	"2" BIT 6 - UNIT AFFINITY
56	(38)	X'1'	0	SIOTJSCT	"1" BIT 7 - SIOT IS ASSOCIATED WITH A JOBCAT OR STEPCAT
57	(39)	CHARACTER	1	SCTSBYT2	INDICATOR BYTE NUMBER 2
57	(39)	X'80'	0	SIOCLUNL	"128" BIT 0 - CLOSE SHOULD DYNAMICALLY UNALLOCATE DATA SET
57	(39)	X'40'	0	SIOTCATL	"64" BIT 1- DATA SET IS A CATALOG
57	(39)	X'20'	0	SCTVOLAF	"32" BIT 2 - VOLUME AFFINITY
57	(39)	X'10'	0	SCTJOBLB	"16" BIT 3 - JOBLIB DD STMNT
57	(39)	X'8'	0	SCTUNLBD	"8" BIT 4 - UNLABELED
57	(39)	X'4'	0	SCTLABEL	"4" BIT 5 - NONSTANDARD LABEL
57	(39)	X'2'	0	SCTDEFER	"2" BIT 6 - DEFER MOUNTING
57	(39)	X'1'	0	SCTRECVD	"1" BIT 7 - RECEIVED DATA SET
58	(3A)	CHARACTER	1	SCTSBYT3	INDICATOR BYTE NUMBER 3
58	(3A)	X'80'	0	SCTDSNRF	"128" BIT 0 - VOLUME REFERENCE DSNAME PRESENT
58	(3A)	X'40'	0	SCTSYSNE	"64" BIT 1 - SYSIN EXPECTED (PROCEDURES ONLY)
58	(3A)	X'20'	0	SCTALCHK	"32" BIT 2 - THIS SIOT ALLOCATED AT LAST CHECKPOINT
58	(3A)	X'10'	0	SCTVREF	"16" BIT 3 - VOLUME REFERENCE IN STEP
58	(3A)	X'8'	0	SCTSYSOU	"8" BIT 4 SYSOUT IS SPECIFIED
58	(3A)	X'4'	0	SCTSNEW	"4" BIT 5 - NEW DATA SET
58	(3A)	X'2'	0	SCTSMOD	"2" BIT 6 - MODIFIED DATA SET
58	(3A)	X'1'	0	SCTSOLD	"1" BIT 7 - OLD DATA SET
59	(3B)	CHARACTER	1	SCTSBYT4	INDICATOR BYTE NUMBER 4
59	(3B)	X'80'	0	SCTSGDGS	"128" BIT 0 - SET BY R/O TO INDICATE GDG SINGLE
59	(3B)	X'40'	0	SIOTGDGA	"64" BIT 1 - THIS IS A GENERATED SIOT
59	(3B)	X'20'	0	SIOTAFF	"32" BIT 2 - SIOT AFFINITY INDICATOR
59	(3B)	X'10'	0	SIOTASCI	"16" BIT 3 - USASCII TAPE LABEL. SET BY IEFVDA,TESTED BY IEFWA000
59	(3B)	X'8'	0	SIOTSTEP	"8" BIT 4 - STEP PROCESSED
59	(3B)	X'4'	0	SIOTVAFF	"4" BIT 5 - INTRA-STEP VOLUME AFFINITY
59	(3B)	X'2'	0	SIOTIPDI	"2" BIT 6 - DATA SET IS IN PDI
59	(3B)	X'1'	0	SIOTOMN	"1" BIT 7 - 1 = OLD OR MODIFIED DATA SET 0 = NEW DATA SET
60	(3C)	CHARACTER	8	SCTUTYPE (0)	UNIT TYPE
60	(3C)	CHARACTER	4	SIOTDEVT (0)	DEVICE TYPE
60	(3C)	CHARACTER	1	SIOUBYT1	
61	(3D)	CHARACTER	1	SIOUBYT2	
62	(3E)	CHARACTER	1	SIOUBYT3	DEVICE CLASS
62	(3E)	X'80'	0	SIO3TAPE	"128" BIT 0 - TAPE DEVICE
62	(3E)	X'40'	0	SIO3COMM	"64" BIT 1 - COMMUNICATIONS DEVICE
62	(3E)	X'20'	0	SIO3DACC	"32" BIT 2 - DIRECT ACCESS DEVICE
62	(3E)	X'10'	0	SIO3DISP	"16" BIT 3 - GRAPHICS DEVICE
62	(3E)	X'8'	0	SIO3UREC	"8" BIT 4 - UNIT RECORD DEVICE

Comment

```
EQU 4 BIT 5 - RESERVED
EQU 2 BIT 6 - RESERVED
EQU 1 BIT 7 - RESERVED
```

End of Comment

63	(3F)	CHARACTER	1	SIOUBYT4	
64	(40)	BITSTRING	4	SIOUCBA4 (0)	UCB address (4-bytes)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
64	(40)	CHARACTER	1	SIOUCNVT	IF = X'FF' SIOUCBAD is an SVA, IF = X'00' Unit name conversion has been done. Also refer to flag SIOUCVTD.
65	(41)	CHARACTER	3	SIOUCBAD	3-byte UCB address or SVA for UNIT=AFF
68	(44)	CHARACTER	8	SCTOUTNM	THE SYSTEM OUTPUT PROGRAM NAME
76	(4C)	CHARACTER	4	SCTOUTNO	THE FORM NUMBER OF THE CARD OR PAPER STOCK TO BE USED WHEN THIS DATA SET IS PUNCHED OR PRINTED
80	(50)	CHARACTER	1	SCTOUTPN	THE SYSTEM OUTPUT CLASS NAME
81	(51)	CHARACTER	1	SIOTBYT4	SIOT INDICATORS BYTE 4
81	(51)	X'80'	0	SIOTPROT	"128" BIT 0 - PROTECT SPECIFIED ON DD
81	(51)	X'40'	0	SIOTRACD	"64" BIT 1 - PROTECT OK IF ALLOC TO DASD
81	(51)	X'20'	0	SIOTRACT	"32" BIT 2 - PROTECT OK IF ALLOC TO TAPE
81	(51)	X'10'	0	SIOTGPRV	"16" BIT 3 - INDICATES THAT SCTANAME CONTAINS AN SVA WHICH IS USED TO FIND A PREVIOUSLY GENERATED TEMPORARY DATASET NAME
81	(51)	X'8'	0	SIOTHIER	"8" BIT 4 - SIOT represents a hierarchical file
81	(51)	X'4'	0	SIOTDSQU	"4" BIT 5 - Reference via SJF Access routine
81	(51)	X'2'	0	SIOTUCNT	"2" BIT 6 - Reference via SJF Access routine
81	(51)	X'1'	0	SIOTVCNT	"1" BIT 7 - Reference via SJF Access routine
82	(52)	CHARACTER	1		Reserved
83	(53)	CHARACTER	1	SIOTSMS	STORAGE MANAGEMENT SUBSYSTEM INDICATORS
83	(53)	X'80'	0	SIOTSMSM	"128" BIT 0 - DATASET IS SMS MANAGED
83	(53)	X'40'	0	SIOTSMS1	"64" BIT 1 - Reserved SJF Access (SMS)
83	(53)	X'20'	0	SIOTSMS2	"32" BIT 2 - Reserved SJF Access (SMS)
83	(53)	X'10'	0	SIOTSMS3	"16" BIT 3 - Reserved SJF Access (SMS)
83	(53)	X'8'	0	SIOTSMS4	"8" BIT 4 - Reserved SJF Access (SMS)
83	(53)	X'4'	0	SIOTSMS5	"4" BIT 5 - Reserved SJF Access (SMS)
83	(53)	X'2'	0	SIOTSMS6	"2" BIT 6 - Reserved SJF Access (SMS)
83	(53)	X'1'	0	SIOTSMS7	"1" BIT 7 - Reserved SJF Access (SMS)
84	(54)	CHARACTER	4	SIOTSWB	SCHEDULER WORK BLOCK (SWB) STRUCTURE POINTER
88	(58)	CHARACTER	4	SIOTASCT (0)	SVA STRUCTURE OF STEP CONTROL TABLE (SCT) FOR THIS STEP
88	(58)	CHARACTER	1		RESERVED
89	(59)	CHARACTER	3	SIOTSCT	SVA OF SCT FOR THIS STEP
92	(5C)	CHARACTER	1	SIOTALTD	CONDITIONAL DISPOSITION
92	(5C)	X'80'	0	SIOTREDT	"128" BIT 0 - Tape redirected to SMS DASD
92	(5C)	X'40'	0	SIOTOPEN	"64" BIT 1 - Data set opened in step
92	(5C)	X'20'	0	SIOJCATS	"32" BIT 2 - JOB CAT SWITCH USED ONLY BY INTERPRETER WHEN READING IN COPIES OF CONCATENATED JOBCAT SIOTS
92	(5C)	X'10'	0	SIOTNPRV	"16" BIT 3 -THIS BIT IS SET AT RESTART TIME TO INDICATE THAT THIS DD IS NON-PRIVATE EVEN THOUGH IT MAY NOW APPEAR TO BE PRIVATE
92	(5C)	X'8'	0	SIOTAKEP	"8" BIT 4 - KEEP DATA SET IF ABEND
92	(5C)	X'4'	0	SIOTADEL	"4" BIT 5 - DELETE DATA SET IF ABEND
92	(5C)	X'2'	0	SIOTACAT	"2" BIT 6 - CATALOG DATA SET IF ABNORNAL TERMINATION
92	(5C)	X'1'	0	SIOTAUNC	"1" BIT 7 - UNCATALOG DATA SET IF ABNORMAL TERMINATION
93	(5D)	CHARACTER	3	SIOTSSWA	SVA OF SSWA
96	(60)	CHARACTER	1	SIOTOUTC	NUMBER OF SYSOUT COPIES TO BE PRINTED
97	(61)	CHARACTER	1	SIOTBYT5	SIOT INDICATOR BYTE 5
97	(61)	X'80'	0	SIOTDEFC	"128" BIT 0 - INDICATE DEFAULT COPIES WAS SET
97	(61)	X'40'	0	SIOTDCLA	"64" BIT 1 - INDICATE DEFAULT SYSOUT WAS SET
97	(61)	X'20'	0	SIOTDDST	"32" BIT 2 - INDICATE DEFAULT DEST WAS SET
97	(61)	X'10'	0	SIOTADUN	"16" BIT 3 - INDICATE DEFAULT UNITS - SET BY DYNALLOC
97	(61)	X'8'	0	SIOTDYNU	"8" BIT 4 - Indicates to SMS that the unit parameter in SCTUTYPE is the Dynamic Allocation default unit from the Device Allocation Defaults Table
97	(61)	X'4'	0	SIOTOVES	"4" BIT 5 - When set, it indicates this SIOT is associated with an 'overriding' esoteric. It is set by IEFAB464 and used by IEFAB4A2, IEFAB464, and IEFAB490.
97	(61)	X'2'	0	SIOTBLKD	"2" BIT 6 - USER SPECIFIED BLKSIZE KEYWORD VALUE, SO ALLOCATION SHOULD NOT OVERWRITE WITH VALUE IN MODEL DSCB

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
97	(61)	X'1'	0	SIOTWTRN	"1" BIT 7 - INDICATE PROGRAM NAME IS A WRITER NAME
98	(62)	CHARACTER	1		Reserved
99	(63)	CHARACTER	3	SIOTXSVA	SIOT Extension block (SIOTX) SVA
102	(66)	CHARACTER	1	SIOTSMSF	STORAGE MANAGEMENT SUBSYSTEM INDICATORS
102	(66)	X'80'	0	SIOTUSEQ	"128" BIT 0 - Reserved SJF Access (SMS)
102	(66)	X'40'	0	SIOTULAB	"64" BIT 1 - Reserved SJF Access (SMS)
102	(66)	X'20'	0	SIOTUTRT	"32" BIT 2 - Reserved SJF Access (SMS)
102	(66)	X'10'	0	SIOTTRTD	"16" BIT 3 - Reserved SJF Access (SMS)
102	(66)	X'8'	0	SIOTKEYD	"8" BIT 4 - Reserved SJF Access (SMS)
102	(66)	X'4'	0	SIOTRESL	"4" BIT 5 - Reserved SJF Access (SMS)
102	(66)	X'2'	0	SIOTDUPV	"2" BIT 6 - Duplicate Volume support for JES3 Updated via SJF key '8530'X
				Comment	
				EQU 1 BIT 7 - Reserved	
				End of Comment	
103	(67)	CHARACTER	1	SIOTBYT2	MVM INDICATOR BYTE
103	(67)	X'80'	0	SIOTDMND	"128" BIT 0 - INDICATES SPECIFIC UNIT REQ MADE
103	(67)	X'40'	0	SIOTDSPD	"64" BIT 1 - DISP FOR THIS DATA SET HAS BEEN PROCESSED
103	(67)	X'20'	0	SIOTGALL	"32" BIT 2 - SIOT IS PART OF GDG ALL REQUEST
103	(67)	X'10'	0	SIOTCALC	"16" BIT 3 - DATA SET CATLGD WHEN ALLOC'D
103	(67)	X'8'	0	SIOTCNEW	"8" BIT 4 - ORIG ALLOC'D STAT OF NEW CONVRTD
103	(67)	X'4'	0	SIOTCVOL	"4" BIT 5 - SIOT REPRESENTS AN OS CVOL
103	(67)	X'2'	0	SIOTSACP	"2" Bit 6 - When on, indicates that message cells pointed to by SIOTAMSG for this request have been moved to the Allocation 'SC1B4 AB490' Cell Pool. - This flag is set in IEFAB490 and then checked and reset in IEFDB4A1 when the cells are FREEd.
103	(67)	X'1'	0	SIOTPTTS	"1" BIT 7 - When on, indicates that we are 'Processing This Tape Siot' in Recovery Allocation. - This flag is set in IEFAB48A, checked in IEFAB489 and is never reset.
104	(68)	CHARACTER	4	SIOTSSNM	NAME OF SUBSYSTEM TO PROCESS DATASET
108	(6C)	CHARACTER	4	SIOTSTMT	JCL STATEMENT NUMBER CORRESPONDING TO THIS DD STATEMENT
112	(70)	ADDRESS	4	SIOTSIOX	SIOT Extension block (SIOTX) virtual address
116	(74)	CHARACTER	4	SIOTAMSG	- Pointer to the first Allocation message cell in any one of the following message Cell Pools, 'IGDMCSCG MSG CELL POOL', or 'ALLOCATION ERROR MESSAGE', or 'SC1B4 AB490'. - If SIOTSACP is on, the message cell(s) for this request have been moved from either of of the first two Cell Pools into the 'SC1B4 AB490' Cell Pool.
120	(78)	CHARACTER	2		Reserved
122	(7A)	CHARACTER	8	SCTANAME (0)	&NAME FROM DSNAME=
122	(7A)	CHARACTER	2		DEFINES THE REST OF THE SCTANAME FIELD
124	(7C)	CHARACTER	3	SIOPGSVA	THIS FORM CONTAINS THE SVA OF A JFCB WITH A PREVIOUSLY GENERATED TEMPORARY DATASET NAME.
127	(7F)	CHARACTER	3		DEFINES THE REST OF THE SCTANAME FIELD
130	(82)	CHARACTER	2	SIOTRSNC	ERROR CODE
132	(84)	CHARACTER	4	SIOTDDWA	Virtual address of the IEFZDDWA which is valid only during allocation
136	(88)	CHARACTER	4	SIOTEDLP	EDL POINTER
140	(8C)	ADDRESS	4	SIOTDDIB	Pointer to DDIB block used by Allocation to contain the path name for a hierarchical file (OpenMVS path name)
144	(90)	CHARACTER	4	SIOTPSVA	SVA OF PASSING SIOT
148	(94)	CHARACTER	4	SIOTETIO	ETIOT ENTRY
152	(98)	CHARACTER	4	SIOTNPTR	VIRTUAL ADDRESS OF NEXT SIOT
156	(9C)	CHARACTER	4	SJFCBPTR	VIRTUAL ADDRESS OF JFCB
160	(A0)	CHARACTER	4	SIOTJFX	VIRTUAL ADDRESS OF JFCBX
164	(A4)	CHARACTER	4	SIOTVMVP	VOLUME MNT AND VERIFY REQUEST
168	(A8)	CHARACTER	2		Reserved
170	(AA)	CHARACTER	2	SIOVDSNT	OFFSET INTO DSNT FOR VOL REF TO A DATA SET NAME

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
172	(AC)	CHARACTER	1	SIOVDSNL	LENGTH OF DATA SET NAME OF VOL REF TO A DATA SET NAME
173	(AD)	CHARACTER	1	SIODDSNL	LENGTH OF DATA SET NAME OF DCB REF TO A DATA SET NAME
174	(AE)	CHARACTER	6		TO MAKE 180(SIOT)
174	(AE)	X'AE'	0	SIOTLGTH	"174" LENGTH OF SIOT
180	(B4)	CHARACTER	4		HDR(INTERPRETER ONLY)
180	(B4)	X'1C'	0	JFCBID	"28"

SIOT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DSNID	3	7	SIOTADEL	5C	4
INDMSIOT	0	0	SIOTADUN	61	10
JFCBID	B4	1C	SIOTAFF	3B	20
PRIVATE	37	20	SIOTAFID	1A	
SCTALCHK	3A	20	SIOTAKEP	5C	8
SCTANAME	7A		SIOTALCD	2B	2
SCTDDINO	2C		SIOTALTD	5C	
SCTDDNAM	4		SIOTAMSG	74	
SCTDEFER	39	2	SIOTASCI	3B	10
SCTDSNRF	3A	80	SIOTASCT	58	
SCTDUMMY	38	80	SIOTAUNC	5C	1
SCTJOBLB	39	10	SIOTBLKD	61	2
SCTLABEL	39	4	SIOTBYT0	34	
SCTNMBUT	35		SIOTBYT1	2B	
SCTOUTNM	44		SIOTBYT2	67	
SCTOUTNO	4C		SIOTBYT3	2E	
SCTOUTPN	50		SIOTBYT4	51	
SCTPARLM	38	4	SIOTBYT5	61	
SCTPJFCB	20		SIOTCALC	67	10
SCTPSIOT	1C		SIOTCATL	39	40
SCTRECVD	39	1	SIOTCCAT	38	20
SCTSBYT1	38		SIOTCNEW	67	8
SCTSBYT2	39		SIOTCRIJ	34	20
SCTSBYT3	3A		SIOTCTLG	37	2
SCTSBYT4	3B		SIOTCVOL	67	4
SCTSDISP	37		SIOTDADR	2B	8
SCTSGDGS	3B	80	SIOTDCLA	61	40
SCTSMOD	3A	2	SIOTDDIB	8C	
SCTSNEW	3A	4	SIOTDDMP	34	1
SCTSOLD	3A	1	SIOTDDNT	2B	1
SCTSPOOL	30		SIOTDDSP	34	8
SCTSYSIN	38	40	SIOTDDST	61	20
SCTSYSNE	3A	40	SIOTDDWA	84	
SCTSYSOU	3A	8	SIOTDEFC	61	80
SCTUNAFF	38	2	SIOTDEST	C	
SCTUNLBD	39	8	SIOTDEVT	3C	
SCTUSADD	14		SIOTDLET	37	4
SCTUTYPE	3C		SIOTDMND	67	80
SCTVOLAF	39	20	SIOTDSID	2E	8
SCTVOLCT	31		SIOTDSKA	0	
SCTVREF	3A	10	SIOTDSNM	2F	2
SIOALIAS	2E	80	SIOTDSOP	2E	2
SIOCDEVT	2E	40	SIOTDSPD	67	40
SIOCLUNL	39	80	SIOTDSQU	51	4
SIODADSM	2B	4	SIOTDUPV	66	2
SIODDSNL	AD		SIOTDYAL	34	40
SIODSNTE	16		SIOTDYNU	61	8
SIODUNAL	2B	10	SIOTEDLP	88	
SIOJCATS	5C	20	SIOTETIO	94	
SIOPGSVA	7C		SIOTGALL	67	20
SIOTACAT	5C	2	SIOTGDGA	3B	40

SIOT Cross Reference

Name	Hex Offset	Hex Value
SIOTGDSN	38	10
SIOTGPRV	51	10
SIOTHIER	51	8
SIOTHLD	2E	1
SIOTHOLD	2B	40
SIOTID	3	3
SIOTINFC	2F	80
SIOTIPDI	3B	2
SIOTJES3	2E	20
SIOTJFX	A0	
SIOTJSCT	38	1
SIOTKEEP	37	8
SIOTKEYD	66	8
SIOTLGTH	AE	AE
SIOTNOPV	34	4
SIOTNPRV	5C	10
SIOTNPTR	98	
SIOTOCKP	2B	80
SIOTOMN	3B	1
SIOTOPEN	5C	40
SIOTOTUN	27	
SIOTOUTC	60	
SIOTOVES	61	4
SIOTPASS	37	10
SIOTPRIV	37	20
SIOTPROT	51	80
SIOTPSVA	90	
SIOTPTTS	67	1
SIOTPUPV	34	2
SIOTQDSN	38	8
SIOTQNAM	2F	1
SIOTRACD	51	40
SIOTRACT	51	20
SIOTREDT	5C	80
SIOTREFN	28	
SIOTRESL	66	4
SIOTRETN	37	80
SIOTRSNC	82	
SIOTSACP	67	2
SIOTSCT	59	
SIOTSIOX	70	
SIOTSMS	53	
SIOTSMSF	66	
SIOTSMSM	53	80
SIOTSMS1	53	40
SIOTSMS2	53	20
SIOTSMS3	53	10
SIOTSMS4	53	8
SIOTSMS5	53	4
SIOTSMS6	53	2
SIOTSMS7	53	1
SIOTSSDS	34	80
SIOTSSGP	2F	10
SIOTSSMG	2F	8
SIOTSSNM	68	
SIOTSSWA	5D	
SIOTSTEP	3B	8
SIOTSTMT	6C	
SIOTSWB	54	
SIOTTERM	2F	40
SIOTTRKM	2F	4
SIOTTRTD	66	10
SIOTTSTC	2F	
SIOTTYPE	3	
SIOTUCNT	51	2
SIOTULAB	66	40
SIOTUNAF	14	14
SIOTUNCT	37	1
SIOTUSEQ	66	80
SIOTUTRT	66	20
SIOTVAFF	3B	4
SIOTVCNT	51	1
SIOTVLCT	36	
SIOTVLSP	18	
SIOTVMVP	A4	
SIOTVRSB	24	
SIOTWOWO	34	10
SIOTWTRN	61	1
SIOTXSVA	63	
SIOUBYT1	3C	
SIOUBYT2	3D	
SIOUBYT3	3E	
SIOUBYT4	3F	
SIOUCBAD	41	
SIOUCBA4	40	
SIOUCNVT	40	
SIOUCVTD	2E	4
SIOVAMDS	2B	20
SIOVDSNL	AC	
SIOVDSNT	AA	
SIO3COMM	3E	40
SIO3DACC	3E	20
SIO3DISP	3E	10
SIO3TAPE	3E	80
SIO3UREC	3E	8
SJFCBPTR	9C	
S3400DSP	37	40
S3400OFF	2E	10

SJACP Heading Information

Common Name: SCHEDULER JCL FACILITY ACCESS FUNCTION PARAMETER LIST
Macro ID: IEFSJACP
DSECT Name: SJACP, SJACRQT
Owning Component: Scheduler JCL Facility (BB131)
Eye-Catcher ID: SJAC
Offset: 0
Length: 4
Storage Attributes: Subpool: Any
Key: Caller's key
Size: 80 (decimal)
Created by: Caller
Pointed to by: N/A
Serialization: None
Function: Mapping for the Scheduler JCL facility access function parameter list.

SJACP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	80	SJACP	SJF Access Function parm list
0	(0)	CHARACTER	4	SJACID	Identifier 'SJAC'
4	(4)	UNSIGNED	1	SJACVERS	Version number
5	(5)	CHARACTER	1	SJACFLAG	Control flags
		1...		SJACNREC	No recovery
		.1..		SJACNOCU	No cleanup
		..11 1111		*	Reserved
6	(6)	SIGNED	2	SJACLEN	Length of parameter list
8	(8)	ADDRESS	4	SJACSTOR	Local storage pointer or zero
12	(C)	SIGNED	4	SJACREAS	Reason code (returned)
16	(10)	CHARACTER	8	SJACTOKN	SJF token
24	(18)	CHARACTER	56	SJACFLDS	Used to zero parameter list
24	(18)	CHARACTER	1	SJACRQST	Request type
		1...		SJACUPD	Update
		.1..		SJACRET	Retrieve
		..1.		SJACFIND	Find
		...1 1111		*	Reserved
25	(19)	CHARACTER	1	SJACFUNC	Flag field
		1...		SJACSYST	System input
		.1..		SJACUNAU	Request is from an invoker whose caller is unauthorized
		..1.		SJACCNT	Continue processing after errors have occurred
		...1		SJACJRNL	Journaling requested
		.... 1...		SJACOSER	Serialization on swb use count is not required
		.... .111		*	Reserved
26	(1A)	UNSIGNED	2	SJACREQ#	Number of individual requests
28	(1C)	ADDRESS	4	SJACRPTR	Pointer to request table
32	(20)	CHARACTER	16	SJACCHID	SWB chain identification
32	(20)	CHARACTER	8	SJACVERB	Verb
40	(28)	CHARACTER	8	SJACLABL	Statement label
48	(30)	CHARACTER	20	SJACFNP	Parameters used for FIND requests only
48	(30)	CHARACTER	1	SJACFLG2	Function flag
		1...		SJACNEXT	Find next SWB processing
		.1..		SJACNJST	JOB token supplied
		..1.		SJACJBTK	JOB token build requested
		...1		SJACCSTK	Current Step token build requested
		 1111		*	Reserved
49	(31)	CHARACTER	1	SJACFUN1	FIND non-master scheduler flag byte
		1...		SJACJOB	Job level
		.1..		SJACCST	Current step level

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Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		..1.		SJACST	Step level or procname and step
		...1 1111		*	Reserved
50	(32)	CHARACTER	2	SJACRSV0	Reserved
52	(34)	CHARACTER	8	SJACSTPN	Step name
60	(3C)	CHARACTER	8	SJACPRLB	Label on the proc statement
68	(44)	UNSIGNED	4	SJACSTMT	Statement number in hex (returned)
72	(48)	ADDRESS	4	SJACALT	Alternate SWA manager address
76	(4C)	CHARACTER	4	SJACRSV2	Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	16	SJACRQT (*)	Request table
0	(0)	CHARACTER	16	SJACENTY	Request table entry
0	(0)	SIGNED	4	SJACRSN	Reason code (returned)
4	(4)	CHARACTER	10	SJACINFO	Request table information
4	(4)	ADDRESS	4	SJACADDR	Address of area
8	(8)	SIGNED	2	SJACLNTH	Length of area
10	(A)	UNSIGNED	2	SJACKEY	SJF Key
12	(C)	UNSIGNED	1	SJACPARM	Parameter number
13	(D)	BITSTRING	1	SJACVALB	Keyword validity byte
		1...		SJACVLKY	Keyword associated with this parameter was specified by the user
		.111 1111		*	Reserved
14	(E)	UNSIGNED	2	SJACARLN	Actual returned length of area

SJACP Constants

Len	Type	Value	Name	Description
Comment				
ADDITIONAL DATA NEEDED FOR PARAMETER LIST				
End of Comment				
4	CHARACTER	SJAC	SJACCID	Identifier
1	DECIMAL	1	SJACCVER	Version number

SJACP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SJACADDR	4		SJACLABL	28	
SJACALT	48		SJACLEN	6	
SJACARLN	E		SJACLNTH	8	
SJACCHID	20		SJACNEXT	30	80
SJACCNT	19	20	SJACNJST	30	40
SJACCST	31	40	SJACNOCU	5	40
SJACCSTK	30	10	SJACNREC	5	80
SJACENTY	0		SJACOSER	19	08
SJACFIND	18	20	SJACP	0	
SJACFLAG	5		SJACPARM	C	
SJACFLDS	18		SJACPRLB	3C	
SJACFLG2	30		SJACREAS	C	
SJACFNP	30		SJACREQ#	1A	
SJACFUNC	19		SJACRET	18	40
SJACFUN1	31		SJACRPTR	1C	
SJACID	0		SJACRQST	18	
SJACINFO	4		SJACRQT	0	
SJACJBTK	30	20	SJACRSN	0	
SJACJOB	31	80	SJACRSV0	32	
SJACJRNL	19	10	SJACRSV2	4C	
SJACKEY	A		SJACST	31	20

Name	Hex Offset	Hex Value
SJACSTMT	44	
SJACSTOR	8	
SJACSTPN	34	
SJACSYST	19	80
SJACTOKN	10	
SJACUNAU	19	40
SJACUPD	18	80
SJACVALB	D	
SJACVERB	20	
SJACVERS	4	
SJACVLKY	D	80

SJCLS Heading Information

Common Name: Scheduler JCL Facility JDT Class Definitions
Macro ID: IEFSJCLS
DSECT Name: SJCLS
Owning Component: Scheduler JCL Facility (BB131)
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
Residency: N/A
Size: 0
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: Defines the JDT class names. A class is a subset of the keywords defined to a verb in the JDTs. A class is a logical grouping of the keywords of a JDT defined verb. A keyword is assigned to a class by a parameter on the JDT JDKEY macro. The names of the classes are defined in IEFSJCLS.

SJCLS Map

SJCLS Constants

Len	Type	Value	Name	Description
8	HEX	0000000000000000	SJCLALL	Identifies all keywords/keys are requested
8	CHARACTER	J2GROUP	SJCLJ2G	Identifies SJF keys used in JES2 output grouping
8	CHARACTER	SPOOL	SJCLSPOL	Identifies SJF keys that are defined to the JES's as spoolable
8	CHARACTER	USERGRP	SJCLUSER	Identifies SJF user-oriented defined keys

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SJDLP Heading Information

Common Name: SCHEDULER JCL FACILITY DELETE SCHEDULER WORK BLOCK (SWB) PARAMETER LIST
Macro ID: IEFSJDLP
DSECT Name: SJDLP
Owning Component: Scheduler JCL Facility (BB131)
Eye-Catcher ID: SJDL
Offset: 0
Length: 4
Storage Attributes: Subpool: any
Key: caller's key
Residency: any
Size: 32 bytes
Created by: Caller of SJFREQ REQUEST=DELETESWB
Pointed to by: On entry to SJF, register 1 points to a word that points to SJDLP
Serialization: None
Function: Mapping for the Scheduler JCL Facility Delete SWB Parameter List.

SJDLP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	32	SJDLP	DELETE SWB PARAMETER LIST
0	(0)	CHARACTER	4	SJDLID	IDENTIFIER C'SJDL'
4	(4)	UNSIGNED	1	SJDLVERS	VERSION NUMBER
5	(5)	BITSTRING	1	SJDLFLAG	CONTROL FLAG BYTE
		1...		SJDLNREC	NO RECOVERY
		.1..		SJDLNOCU	NO CLEANUP
		..11 1111		*	RESERVED
6	(6)	SIGNED	2	SJDLLEN	LENGTH OF PARAMETER LIST
8	(8)	ADDRESS	4	SJDLSTOR	LOCAL STORAGE POINTER OR ZERO
12	(C)	SIGNED	4	SJDLREAS	REASON CODE
16	(10)	CHARACTER	4	SJDLRSV1	RESERVED
20	(14)	CHARACTER	8	SJDLTOKN	SWB CHAIN TOKEN (SEE NOTE ABOVE)
20	(14)	ADDRESS	4	SJDLANBK	ADDRESS OF CONTROL BLOCK FOR A JCL STATEMENT (JCT, SCT, SIOT OR SWB) OR THE ADDRESS OF A SWB CHAIN
24	(18)	ADDRESS	4	SJDLANCA	ADDRESS OF A WORD POINTING TO A SWB CHAIN OR ZERO
28	(1C)	CHARACTER	1	SJDLFUNC	FUNCTION FLAGS FOR DELETE
		1...		SJDLLDEL	LOGICALLY DELETE THE SWB CHAIN INDICATED BY THE TOKEN
		.111 1111		*	RESERVED
29	(1D)	CHARACTER	3	SJDLRSV2	RESERVED

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SJDLP Constants

Len	Type	Value		Name	Description
Comment					
ADDITIONAL DATA NEEDED FOR PARAMETER LIST					
End of Comment					
4	CHARACTER	SJDL		SJDLCID	IDENTIFIER
1	DECIMAL		1	SJDLCVER	VERSION NUMBER

SJDLP Cross Reference

Name	Hex Offset	Hex Value
SJDLANBK	14	
SJDLANCA	18	
SJDLFLAG	5	
SJDLFUNC	1C	
SJDLID	0	
SJDLLDEL	1C	80
SJDLLEN	6	
SJDLNOCU	5	40
SJDLNREC	5	80
SJDLP	0	
SJDLREAS	C	
SJDLRSV1	10	
SJDLRSV2	1D	
SJDLSTOR	8	
SJDLTOKN	14	
SJDLVERS	4	

SJERP Heading Information

Common Name: SJF ERASE SWB PARAMETER LIST
Macro ID: IEFSJERP
DSECT Name: SJERP
Owning Component: Scheduler services (BB131)
Eye-Catcher ID: SJER
Offset: 0
Length: 4
Storage Attributes: Subpool: Any
Key: Caller's key
Residency: Any
Size: 58 (decimal)
Created by: Caller of SJFREQ REQUEST=ERASE
Pointed to by: On entry to SJF, register 1 points to a word that points to SJERP
Serialization: None
Function: The parameter list identifies a SWB chain (via the token) containing the field to be erased, as well as the JDVT/VERB/ KEYWORD/PARAMETER or JDVT/VERB/KEY/PARAMETER to be erased.

SJERP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	58	SJERP	Parameter list
0	(0)	CHARACTER	4	SJERID	Identifier 'SJER'
4	(4)	UNSIGNED	1	SJERVERS	Version number
5	(5)	BITSTRING	1	SJERFLAG	Control flags
		1...		SJERNREC	No recovery
		.1..		SJERNOCU	No cleanup
		..11 1111		*	Reserved
6	(6)	SIGNED	2	SJERLEN	Length of parameter list
8	(8)	SIGNED	4	SJERSTOR	Local storage pointer
12	(C)	SIGNED	4	SJERREAS	Reason code (returned)
16	(10)	CHARACTER	8	SJERTOKN	Token identifying SWB chain
16	(10)	ADDRESS	4	SJERANBK	
20	(14)	ADDRESS	4	SJERANCA	
24	(18)	BITSTRING	1	SJERFUNC	Function byte
		1...		SJERJOUR	Journalling requested
		.1..		SJERALL	Erase all subparameters
		..1.		SJERSUB	Erase all sublist data
		...1 1111		*	Reserved
25	(19)	CHARACTER	3	SJERRSV1	Reserved
28	(1C)	CHARACTER	8	SJERJDVT	JDVT name for keyword to erase
36	(24)	CHARACTER	8	SJERVERB	Verb of keyword to be erased
44	(2C)	CHARACTER	8	SJERKEYW	Keyword to be erased
52	(34)	UNSIGNED	2	SJERPARM	Parameter to be erased
54	(36)	UNSIGNED	2	SJERSUBL	Sublist element to be erased
56	(38)	UNSIGNED	2	SJERKEY	Key to be erased

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SJERP Constants

Len	Type	Value		Name	Description
		Comment			
		Additional data needed for the Erase parameter list			
		End of Comment			
4	CHARACTER	SJER		SJERCID	Parameter list acronym
1	DECIMAL		1	SJERCVER	Parameter list version

SJERP Cross Reference

Name	Hex Offset	Hex Value
SJERALL	18	40
SJERANBK	10	
SJERANCA	14	
SJERFLAG	5	
SJERFUNC	18	
SJERID	0	
SJERJDVT	1C	
SJERJOUR	18	80
SJERKEY	38	
SJERKEYW	2C	
SJERLEN	6	
SJERNOCU	5	40
SJERNREC	5	80
SJERP	0	
SJERPARM	34	
SJERREAS	C	
SJERRSV1	19	
SJERSTOR	8	
SJERSUB	18	20
SJERSUBL	36	
SJERTOKN	10	
SJERVERB	24	
SJERVERS	4	

SJFNP Heading Information

Common Name: Scheduler JCL Facility Find SWB Parameter List
Macro ID: IEFSJFNP
DSECT Name: SJFNP
Owning Component: Scheduler JCL Facility (BB131)
Eye-Catcher ID: SJFN
Offset: 0
Length: 4
Subpool and Key: Callers
Size: 72 bytes
Created by: Caller
Pointed to by: Caller sets up Register 1 pointing to a word which points to SJFNP.
Serialization: None
Function: Maps the input for the Scheduler JCL Facility Find SWB routine.

SJFNP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	72	SJFNP	FIND SWB PARAMETER LIST
0	(0)	CHARACTER	4	SJFNID	IDENTIFIER C'SJFN'
4	(4)	UNSIGNED	1	SJFNVERS	VERSION NUMBER
5	(5)	BITSTRING	1	SJFNFLAG	CONTROL FLAG BYTE
		1...		SJFNNREC	NO RECOVERY
		.1..		SJFNNOCU	NO CLEANUP
		..11 1111		*	RESERVED
6	(6)	SIGNED	2	SJFNLEN	LENGTH OF PARAMETER LIST
8	(8)	ADDRESS	4	SJFNSTOR	LOCAL STORAGE POINTER OR ZERO
12	(C)	SIGNED	4	SJFNREAS	REASON CODE
16	(10)	CHARACTER	56	SJFNINFO	PARAMETER INFORMATION
16	(10)	BITSTRING	1	SJFNFLG2	
		1...		SJFNNEXT	FIND NEXT SWB PROCESSING
		.1..		SJFNCNTL	SEARCH FOR A STATEMENT WITHIN A CONTROL GROUP
		..1.		SJFNSASP	STARTING ADDRESS SPECIFIED
		...1		SJFNOSER	SERIALIZATION ON SWB USE COUNT IS TO BE BYPASSED WHEN ON
		.... 1...		SJFNRSWB	INDICATES THAT RETURNSWB WILL BE ISSUED FOR INPUT TOKEN
		.... .111		*	RESERVED
17	(11)	BITSTRING	2	SJFNIDSW	IDENTIFY THE SWB TO BE FOUND
17	(11)	BITSTRING	1	SJFNFUN1	NON-MASTER SCHEDULER FLAG BYTE
		1...		SJFNJOB	JOB LEVEL
		.1..		SJFNCST	CURRENT STEP LEVEL
		..1.		SJFNST	STEP LEVEL OR PROC AND STEP
		...1 1111		*	RESERVED
18	(12)	BITSTRING	1	SJFNFUN2	MASTER SCHEDULER FLAG BYTE
		1...		SJFNMSTJ	JOB LEVEL
		.1..		SJFNMSTS	STEP LEVEL
		..11 1111		*	RESERVED
19	(13)	BITSTRING	1	SJFNFLG3	
		1...		SJFNJST	JOB TOKEN INDICATOR
		.111 1111		*	RESERVED
20	(14)	CHARACTER	8	SJFNSTPN	STEPNAME-REQUIRED IF SJFNST ON
28	(1C)	CHARACTER	16	SJFNCHID	SWB CHAIN IDENTIFICATION
28	(1C)	CHARACTER	8	SJFNVERB	VERB (OPTIONAL IF NOT DD)
36	(24)	CHARACTER	8	SJFNLABL	STATEMENT LABEL (OPTIONAL)
44	(2C)	CHARACTER	8	SJFNTOKN	SWB CHAIN TOKEN

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Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
44	(2C)	ADDRESS	4	SJFNANBK	ADDRESS OF CONTROL BLOCK FOR A JCL STATEMENT (JCT, SCT, SIOT OR SWB) OR THE ADDRESS OF A SWB CHAIN
48	(30)	ADDRESS	4	SJFNANCA	ADDRESS OF A WORD POINTING TO A SWB CHAIN OR ZERO
52	(34)	CHARACTER	8	SJFNCNLB	LABEL ON THE CNTL STATEMENT
60	(3C)	CHARACTER	8	SJFNPRLB	LABEL ON THE PROC STATEMENT (OPTIONAL)
68	(44)	UNSIGNED	4	SJFNSTMT	STATEMENT NUMBER RETURNED IN HEXADECIMAL

SJFNP Constants

Len	Type	Value		Name	Description
Comment					
ADDITIONAL DATA NEEDED FOR PARAMETER LIST					
End of Comment					
4	CHARACTER	SJFN		SJFNCID	IDENTIFIER
1	DECIMAL		2	SJFNCVER	VERSION NUMBER

SJFNP Cross Reference

Name	Hex Offset	Hex Value
SJFNANBK	2C	
SJFNANCA	30	
SJFNCHID	1C	
SJFNCNLB	34	
SJFNCNTL	10	40
SJFNCST	11	40
SJFNFLAG	5	
SJFNFLG2	10	
SJFNFLG3	13	
SJFNFUN1	11	
SJFNFUN2	12	
SJFNID	0	
SJFNIDSW	11	
SJFNINFO	10	
SJFNJOB	11	80
SJFNJST	13	80
SJFNLABL	24	
SJFNLEN	6	
SJFNMSTJ	12	80
SJFNMSTS	12	40
SJFNNEXT	10	80
SJFNNOCU	5	40
SJFNNREC	5	80
SJFNOSER	10	10
SJFNP	0	
SJFNPRLB	3C	
SJFNREAS	C	
SJFNRSWB	10	08
SJFNSASP	10	20
SJFNST	11	20
SJFNSTMT	44	
SJFNSTOR	8	
SJFNSTPN	14	
SJFNTOKN	2C	
SJFNVERB	1C	
SJFNVERS	4	

SJGEP Heading Information

Common Name: Scheduler JCL Facility Get SWB Parameter List
Macro ID: IEFSJGEP
DSECT Name: SJGEP
Owning Component: Scheduler JCL Facility (BB131)
Eye-Catcher ID: SJGE
Offset: 0
Length: 4
Subpool and Key: Caller
Size: 44 bytes
Created by: Caller
Pointed to by: Caller sets up Register 1 pointing to a word which points to SJFNP.
Serialization: None
Function: Maps the input to the Scheduler JCL Facility Get SWB routine.

SJGEP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	44	SJGEP	
0	(0)	CHARACTER	4	SJGEID	IDENTIFIER
4	(4)	UNSIGNED	1	SJGEVERS	VERSION NUMBER
5	(5)	BITSTRING	1	SJGEFLAG	CONTROL FLAGS
		1...		SJGENREC	NO RECOVERY
		.1..		SJGENOCU	NO CLEANUP
		..11 1111		*	RESERVED
6	(6)	SIGNED	2	SJGELEN	LENGTH OF PARAMETER LIST
8	(8)	ADDRESS	4	SJGESTOR	LOCAL STORAGE POINTER
12	(C)	SIGNED	4	SJGEREAS	RESULT REASON CODE (RETURNED)
16	(10)	CHARACTER	8	SJGETOKN	SWB TOKEN
16	(10)	ADDRESS	4	SJGEANBK	ADDRESS OF CONTROL BLOCK FOR A JCL STATEMENT (JCT, SCT, SIOT OR SWB) OR THE ADDRESS OF A SWB CHAIN
20	(14)	ADDRESS	4	SJGEANCA	ADDRESS OF A WORD POINTING TO A SWB CHAIN OR ZERO
24	(18)	BITSTRING	2	SJGEQUAL	BIT QUALIFIERS FOR KEYWORD SELECTION
24	(18)	BITSTRING	1	SJGEPOSI	ATTRIBUTES REQUESTED
		1...		SJGESPL	KEYWORDS TO BE SPOOLED
		.111 1111		*	RESERVED
25	(19)	BITSTRING	1	SJGENEGA	ATTRIBUTES NOT REQUESTED
		1...		SJGENSPL	KEYWORDS NOT TO BE SPOOLED
		.111 1111		*	RESERVED
26	(1A)	SIGNED	2	SJGERSV2	RESERVED
28	(1C)	ADDRESS	4	SJGESWBA	ADDRESS OF AREA TO COPY THE KEYWORD DATA
32	(20)	SIGNED	2	SJGEALEN	LENGTH OF KEYWORD DATA AREA
34	(22)	SIGNED	2	SJGERSV4	RESERVED
36	(24)	CHARACTER	8	SJGEJDVT	JDVT NAME

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SJGEP Constants

Len	Type	Value		Name	Description
Comment					
ADDITIONAL DATA NEEDED FOR THE GET SWB PARAMETER LIST					
End of Comment					
4	CHARACTER	SJGE		SJGECID	IDENTIFIER
1	DECIMAL		1	SJGECVER	CURRENT VERSION NUMBER

SJGEP Cross Reference

Name	Hex Offset	Hex Value
SJGEALEN	20	
SJGEANBK	10	
SJGEANCA	14	
SJGEFLAG	5	
SJGEID	0	
SJGEJDVT	24	
SJGELEN	6	
SJGENEGA	19	
SJGENOCU	5	40
SJGENREC	5	80
SJGENSPL	19	80
SJGEP	0	
SJGEPOSI	18	
SJGEQUAL	18	
SJGEREAS	C	
SJGERSV2	1A	
SJGERSV4	22	
SJGESPL	18	80
SJGESTOR	8	
SJGESWBA	1C	
SJGETOKN	10	
SJGEVERS	4	

SJKEY Programming Interface information

Programming Interface information

SJKEY

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

- SJKYACDE
- SJKYAVGR
- SJKYCNTL
- SJKYDACL
- SJKYDSNT
- SJKYFDAT
- SJKYJBYT
- SJKYJCRD
- SJKYJENV
- SJKYJLIN
- SJKYJPAG
- SJKYKEYO
- SJKYLIKE
- SJKYMGCL
- SJKYOUTP
- SJKYPATH
- SJKYPMDE
- SJKYPNDS
- SJKYPOPT
- SJKYRECO
- SJKYREFD
- SJKYRLS
- SJKYSECM
- SJKYSEGM
- SJKYSPIN
- SJKYSTCL

End of Programming Interface information

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SJKEY Heading Information

Common Name: Scheduler JCL Facility (SJF) Key Constants
Macro ID: IEFSJKEY
DSECT Name: n/a
Owning Component: Scheduler JCL Facility (BB131)
Eye-Catcher ID: n/a
Offset: n/a
Length: n/a
Storage Attributes: Virtual Storage: included in module's dynamic area
Size: n/a
Created by: n/a
Pointed to by: n/a
Serialization: None
Function: Provides keys for SJF defined JCL keywords

SJKEY Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	SJKY (0)	
0	(0)	CHARACTER	8	SJVBDD	
0	(0)	BITSTRING	0	SJKYACDE	"X'8001'" ACCODE
0	(0)	BITSTRING	0	SJKYOUTP	"X'8002'" OUTPUT 1 20
				Comment	
				Include new DD keys needed by SVC 99 callers SJF DD ALLOCATION KEYS	
				End of Comment	
0	(0)	BITSTRING	0	SJKYCNTL	"X'8003'" CNTL
0	(0)	BITSTRING	0	SJKYSTCL	"X'8004'" STORCLAS
0	(0)	BITSTRING	0	SJKYMGCL	"X'8005'" MGMTCLAS
0	(0)	BITSTRING	0	SJKYDACL	"X'8006'" DATACLAS
0	(0)	BITSTRING	0	SJKYRECO	"X'800B'" RECORG
				Comment	
				Values for RECORG keyword	
				End of Comment	
		1...		SJVLROKS	"X'80'" KS - Key sequence
		.1..		SJVLROES	"X'40'" ES - Entry sequence
		..1.		SJVLRORR	"X'20'" RR - Relative record
		...1		SJVLROLS	"X'10'" LS - Linear space
0	(0)	BITSTRING	0	SJKYKEYO	"X'800C'" KEYOFF
0	(0)	BITSTRING	0	SJKYREFD	"X'800D'" REFDD
0	(0)	BITSTRING	0	SJKYSECM	"X'800E'" SECMODEL
				Comment	
				Value for GENERIC option of SECMODEL (parameter #2)	
				End of Comment	
		1...		SJVLGENR	"X'80'" Generic option
0	(0)	BITSTRING	0	SJKYLIKE	"X'800F'" LIKE
0	(0)	BITSTRING	0	SJKYAVGR	"X'8010'" AVGREC

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
				Values for AVGREC keyword	
				End of Comment	
		1...		SJVLARUN	"X'80'" U - units (ie times 1)
		.1..		SJVLARKI	"X'40'" K - kilo (ie times 1000)
		..1.		SJVLARME	"X'20'" M - Mega (ie times 1 million)
0	(0)	BITSTRING	0	SJKYDSNT	"X'8012'" DSNTYPE
				Comment	
				Values for DSNTYPE keyword	
				End of Comment	
		1...		SJVLDTLI	"X'80'" LIBRARY
		.1..		SJVLDTPD	"X'40'" PDS
		..1.		SJVLPIPE	"X'20'" PIPE
		...1		SJVLHFSI	"X'10'" HFS
0	(0)	BITSTRING	0	SJKYSPIN	"X'8013'" SPIN
				Comment	
				Values for SPIN keyword	
				End of Comment	
		1...		SJVLSPUN	"X'80'" UNALLOC
		.1..		SJVLSPNO	"X'40'" NO
0	(0)	BITSTRING	0	SJKYSEGM	"X'8014'" SEGMENT
0	(0)	BITSTRING	0	SJKYPATH	"X'8017'" PATH
0	(0)	BITSTRING	0	SJKYPOPT	"X'8018'" PATHOPTS
				Comment	
				Values for PATHOPTS keyword	
				End of Comment	
0	(0)	BITSTRING	0	SJVLSYNC	"X'00000100'" OSYNC
		11..		SJVLCEXL	"X'000000C0'" OCREXCL
		1...		SJVLCREA	"X'00000080'" OCREAT
		.1..		SJVLEXCL	"X'00000040'" OEXCL
		..1.		SJVLNOCT	"X'00000020'" ONOCTTY
		...1		SJVLTRUN	"X'00000010'" OTRUNC
		.... 1...		SJVLAPPE	"X'00000008'" OAPPEND
		.... .1..		SJVLNBLK	"X'00000004'" ONONBLOCK
		11		SJVLRDWR	"X'00000003'" ORDWR
		.... ..1.		SJVLRDON	"X'00000002'" ORDONLY
		1		SJVLWDON	"X'00000001'" OWRONLY
0	(0)	BITSTRING	0	SJKYPMDE	"X'8019'" PATHMODE
				Comment	
				Values for PATHMODE keyword	
				End of Comment	
0	(0)	BITSTRING	0	SJVLSUID	"X'00000800'" SISUID
0	(0)	BITSTRING	0	SJVLSGID	"X'00000400'" SISGID
0	(0)	BITSTRING	0	SJVLRUSR	"X'00000100'" SIRUSR
		1...		SJVLWUSR	"X'00000080'" SIWUSR
		.1..		SJVLXUSR	"X'00000040'" SIXUSR
0	(0)	BITSTRING	0	SJVLRWXU	"X'000001C0'" SIRWXU
		..1.		SJVLRGRP	"X'00000020'" SIRGRP
		...1		SJVLWGRP	"X'00000010'" SIWGRP

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... 1...		SJVLXGRP	"X'00000008'" SIXGRP
		..11 1...		SJVLRWXG	"X'00000038'" SIRWXG
		.... .1..		SJVLROTH	"X'00000004'" SIROTH
		.... ..1.		SJVLWOTH	"X'00000002'" SIWOTH
		1		SJVLXOTH	"X'00000001'" SIXOTH
		.... .111		SJVLRWXO	"X'00000007'" SIRWXO
0	(0)	BITSTRING	0	SJKYPNDS	"X'801A'" PATHDISP - Normal Disposition
0	(0)	BITSTRING	0	SJKYPCDS	"X'801B'" PATHDISP - Conditional Disposition

Comment

Values for PATHDISP keyword

End of Comment

		.... 1...		SJVLKEEP	"X'08'" KEEP
		.... .1..		SJVLDELE	"X'04'" DELETE
0	(0)	BITSTRING	0	SJKYRLS	"X'801C'" RLS - Record Level Sharing

Comment

Values for RLS keyword

End of Comment

		1...		SJVLNRI	"X'80'" NRI
		.1..		SJVLCR	"X'40'" CR
		..1.		SJVLCRE	"X'20'" CRE
0	(0)	BITSTRING	0	SJKYFDAT	"X'801D'" FILEDATA - file organization

Comment

Values for FILEDATA keyword

End of Comment

		1...		SJVLBIN	"X'80'" BINARY
		.1..		SJVLTEXT	"X'40'" TEXT
0	(0)	BITSTRING	0	SJKYLGST	"X'801F'" LGSTREAM
0	(0)	BITSTRING	0	SJKYDCCS	"X'8020'" CCSID
0	(0)	BITSTRING	0	SJKYBSLM	"X'8022'" BLKSZLIM
0	(0)	BITSTRING	0	SJKYRACF	"X'8007'" SMS RACF FIELD
0	(0)	BITSTRING	0	SJKYSMSD	"X'8008'" SMS DATA FIELD
0	(0)	BITSTRING	0	SJKYSTRG	"X'8009'" STORAGE GROUP
0	(0)	BITSTRING	0	SJKYDADM	"X'800A'" DAADM
0	(0)	BITSTRING	0	SJKYDCLD	"X'8011'" DATACLAS Definition
0	(0)	BITSTRING	0	SJKYZSEG	"X'8015'" ZSEGID
0	(0)	BITSTRING	0	SJKYPOOL	"X'8016'" ZDEVPOOL KEYWORD
0	(0)	BITSTRING	0	SJKYDCL2	"X'801E'" DATACLAS Definition II
0	(0)	BITSTRING	0	SJKYSMS2	"X'8021'" SMS DATA FIELD II
0	(0)	BITSTRING	0	SJKYSMSB	"X'8500'" SMS FLAG BYTE
8	(8)	BITSTRING	1	SJBYSMSB	Byte to retrieve SMS flags into

Comment

Bit masks for SMS flags field

End of Comment

		1...		SJBISMSM	"X'80'" SMS MANAGED BIT ON INDICATOR
8	(8)	BITSTRING	0	SJKYVRDD	"X'8501'" VOL=REF=DDNAME
8	(8)	BITSTRING	0	SJKYVRDS	"X'8502'" VOL=REF=DSNAME
8	(8)	BITSTRING	0	SJKYDDNM	"X'8503'" DDNAME
8	(8)	BITSTRING	0	SJKYVSRN	"X'8504'" VOL=SER=
8	(8)	BITSTRING	0	SJKYSPAC	"X'8505'" SPACE

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
				Values for first parameter of SPACE field	
				End of Comment	
		11..		SJVLCYL	"X'C0'" Request for Cylinders
		1...		SJVLTRK	"X'80'" Request for Tracks
		.1..		SJVLAVR	"X'40'" Request for Average Block length
		..1.		SJVLMSGP	"X'20'" Request for MSVGP
		.... 1...		SJVLCONT	"X'08'" Request for Contiguous
		.... .1..		SJVLMXIG	"X'04'" Request for MXIG
		.... ..1.		SJVLALX	"X'02'" Request for ALX
		1		SJVLRND	"X'01'" Request for Round
		....		SJVLABS	"X'00'" Request for ABSTR
9	(9)	BITSTRING	1	SJBYSPC5	Byte to retrieve RLSE value into
				Comment	
				Bit masks for fifth parameter of SPACE (RLSE) field	
				End of Comment	
		11..		SJBIRLSE	"X'C0'" Release specified
9	(9)	BITSTRING	0	SJKYMSVG	"X'8506'" MSVGP
9	(9)	BITSTRING	0	SJKYDSRG	"X'8507'" DSORG
				Comment	
				Values for first parameter of DSORG field	
				End of Comment	
		1...		SJVLIS	"X'80'" Indexed Sequential
		.1..		SJVLPS	"X'40'" Physical Sequential
		..1.		SJVLDA	"X'20'" Direct Access
		...1		SJVLBQ	"X'10'" BTAM or QTAM line group
		.... 1...		SJVLQD	"X'08'" QTAM Direct Access Queue
		.... .1..		SJVLQP	"X'04'" QTAM problem prog. Queue
		.... ..1.		SJVLPO	"X'02'" Partitioned
		1		SJVLPU	"X'01'" Unmovable
		1... ...1		SJVLISU	"X'81'" Index Sequential Unmovable
		.1.. ...1		SJVLPSU	"X'41'" Physical Sequential Unmovable
		..1. ...1		SJVLDAU	"X'21'" Direct Access Unmovable
		11		SJVLPOU	"X'03'" Partitioned Unmovable
				Comment	
				Values for the second parameter of DSORG field	
				End of Comment	
		1...		SJVLGS	"X'80'" Graphics
		.1..		SJVLTL	"X'40'" TCAM line group
		..1.		SJVLTM	"X'20'" TCAM message queue
		.... 1...		SJVLVS	"X'08'" VSAM
		.... .1..		SJVLTR	"X'04'" TCAM 3705
9	(9)	BITSTRING	0	SJKYDISP	"X'8508'" DISP
10	(A)	BITSTRING	1	SJBYDISP	Byte to retrieve the Status value into
				Comment	
				Bit masks for DISP-Status field	
				End of Comment	
		.... .1..		SJBINEW	"X'04'" NEW
		.... ..1.		SJBIMOD	"X'02'" MOD

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1		SJBIOLD	"X'01'" OLD
11	(B)	BITSTRING	1	SJBYDSP2	Byte to retrieve the normal termination parameter into
		Comment			
		Bit masks for DISP-Normal termination field			
		End of Comment			
		...1		SJBIPASS	"X'10'" PASS
		.... 1...		SJBIKEEP	"X'08'" KEEP
		.... .1..		SJBIDELT	"X'04'" DELETE
		.... ..1.		SJBICATL	"X'02'" CATLG
		1		SJBIUCTL	"X'01'" UNCATLG
12	(C)	BITSTRING	1	SJBYDSP3	Byte to retrieve the abnormal termination parameter into
		Comment			
		Bit masks for DISP-Abnormal termination field			
		End of Comment			
		.... 1...		SJBIKEPA	"X'08'" KEEP
		.... .1..		SJBIDELA	"X'04'" DELETE
		.... ..1.		SJBICATA	"X'02'" CATLG
		1		SJBIUCTA	"X'01'" UNCATLG
12	(C)	BITSTRING	0	SJKYDSNM	"X'8509'" DSNAME
		Comment			
		Bit masks for quoted data set name indicator (second parameter)			
		End of Comment			
13	(D)	BITSTRING	1	SJBYDSQU	Byte to retrieve quoted DSNAME indicator
		.... .1..		SJBIDSQU	"X'04'" If this bit is on, then DSNAME was specified in quotes
13	(D)	BITSTRING	0	SJKYDUMY	"X'850A'" DUMMY
14	(E)	BITSTRING	1	SJBYDUMY	Byte to retrieve the DUMMY indicator
		Comment			
		Bit masks for DUMMY field			
		End of Comment			
		1...		SJBIDUMY	"X'80'" Dummy
14	(E)	BITSTRING	0	SJKYDSID	"X'850B'" DSID
15	(F)	BITSTRING	1	SJBYDSID	Byte to retrieve the DSID into
		Comment			
		Bit masks for DSID field			
		End of Comment			
		.... 1...		SJBIDSID	"X'08'" DSID
15	(F)	BITSTRING	0	SJKYUNIT	"X'850C'" UNIT
15	(F)	BITSTRING	0	SJKYSYSI	"X'850D'" SYSIN INDICATOR
16	(10)	BITSTRING	1	SJBYSYSI	Byte to retrieve the SYSIN indicator
		Comment			
		Bit masks for SYSIN field			
		End of Comment			
		.1..		SJBISYSI	"X'40'" SYSIN indicator
16	(10)	BITSTRING	0	SJKYPROT	"X'850E'" PROTECT field
17	(11)	BITSTRING	1	SJBYPROT	Byte to retrieve PROTECT field

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
				Bit masks for PROTECT field	
				End of Comment	
		1...		SJBIPROT	"X'80'" PROTECT=YES indicator
17	(11)	BITSTRING	0	SJKYDFUB	"X'850F'" Default unit indicator
18	(12)	BITSTRING	1	SJBYDFUB	Byte to retrieve default unit indicator
				Comment	
				Bit mask for default unit indicator	
				End of Comment	
		...1		SJBIDFUM	"X'10'"
		.... 1...		SJBIDDFU	"X'08'" Dynamic allocation default unit indicator
18	(12)	BITSTRING	0	SJKYSYSO	"X'8510'" SYSOUT INDICATOR
19	(13)	BITSTRING	1	SJBYSYSO	Byte to retrieve the SYSOUT indicator
				Comment	
				Bit masks for SYSOUT field	
				End of Comment	
		.... 1...		SJBISYSO	"X'08'" SYSOUT indicator
19	(13)	BITSTRING	0	SJKYSMS7	"X'8511'" SMS managed mountable indicator
20	(14)	BITSTRING	1	SJBYSMS7	Byte for SMS mountable flag
				Comment	
				Bit masks for the SMS managed mountable flag	
				End of Comment	
		1		SJBISMS7	"X'01'" SMS managed mountable indicator
20	(14)	BITSTRING	0	SJKYTERM	"X'8512'" TERM INDICATOR
21	(15)	BITSTRING	1	SJBYTERM	Byte to retrieve the TERM indicator
				Comment	
				Bit masks for TERM field	
				End of Comment	
		.1..		SJBITERM	"X'40'" TERM indicator
21	(15)	BITSTRING	0	SJKYSUBS	"X'8513'" SUBSYS
22	(16)	BITSTRING	1	SJBYSUBS	Byte to retrieve the SUBSYS indicator
				Comment	
				Bit masks for SUBSYS field	
				End of Comment	
		1...		SJBISUBS	"X'80'" SUBSYS indicator
22	(16)	BITSTRING	0	SJKYQNME	"X'8514'" QNAME
23	(17)	BITSTRING	1	SJBYQNME	Byte to retrieve the QNAME indicator
				Comment	
				Bit masks for QNAME field	
				End of Comment	
		1		SJBIQNME	"X'01'" QNAME indicator
23	(17)	BITSTRING	0	SJKYGDG	"X'8515'" GDG

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
				Bit masks for GDG field	
				End of Comment	
		.... ..1.		SJBIGDG	"X'02'" GDG indicator
23	(17)	BITSTRING	0	SJKYELNM	"X'8516'" ELEMENT NAME/RELATIVE GDG NUMBER
23	(17)	BITSTRING	0	SJKYRKP	"X'8517'" RKP
23	(17)	BITSTRING	0	SJKYDSEQ	"X'8518'" Dataset Sequence Number
23	(17)	BITSTRING	0	SJKYLTYP	"X'8519'" LABEL Parameter
24	(18)	BITSTRING	1	SJBYLTYP	Byte to retrieve LABEL indicator
				Comment	
				Bit masks for LABEL indicator	
				End of Comment	
		.1..		SJBIAL	"X'40'" AL
		.1.. 1...		SJBIAUL	"X'48'" AUL
		..1. ...1		SJBILTM	"X'21'" LTM
		...1		SJBIBLP	"X'10'" BLP
		.... 1.1.		SJBISUL	"X'0A'" SUL
		.... .1..		SJBINSL	"X'04'" NSL
		.... ..1.		SJBISL	"X'02'" SL
		1		SJBINL	"X'01'" NL 4
24	(18)	BITSTRING	0	SJKYOUTL	"X'851A'" OUTLIM
24	(18)	BITSTRING	0	SJKYDEN	"X'851B'" DENSITY
				Comment	
				Choice values for the first DENSITY parameter.	
				End of Comment	
		11		SJVL200	"X'03'" 7 track 200 BPI
		.1.. ..11		SJVL556	"X'43'" 7 track 556 BPI
		1... ..11		SJVL800	"X'83'" 7 and 9 track 800 BPI
		11.. ..11		SJVL1600	"X'C3'" 9 track 1600 BPI
		11.1 ..11		SJVL6250	"X'D3'" 9 track 6250 BPI
24	(18)	BITSTRING	0	SJKYRECF	"X'851C'" RECFM
25	(19)	BITSTRING	1	SJBYRECF	Byte to retrieve the RECFM field
				Comment	
				Bit masks for RECFM field	
				End of Comment	
		11..		SJBIUNDF	"X'C0'" Undefined format
		1...		SJBIFIXD	"X'80'" Fixed
		.1..		SJBIVARI	"X'40'" Variable
		..1.		SJBIASCI	"X'20'" Variable/track overflow
		...1		SJBIBLOK	"X'10'" Blocked
		.... 1...		SJBISPAN	"X'08'" Standard/spanned
		.... .1..		SJBIASA	"X'04'" ASA Control Characters
		.... ..1.		SJBIMACH	"X'02'" Machine Control Characters
25	(19)	BITSTRING	0	SJKYLREL	"X'851D'" LRECL
25	(19)	BITSTRING	0	SJKYKEYL	"X'851E'" KEYLEN
25	(19)	BITSTRING	0	SJKYEXPD	"X'851F'" EXPDT
28	(1C)	SIGNED	4	(0)	Full word alignment
28	(1C)	CHARACTER	1		Align the fields correctly
29	(1D)	CHARACTER	3	SJBYEXPD (0)	3 Bytes to retrieve the EXPDT into
29	(1D)	CHARACTER	1	SJBYEXYY	Year offset from 1900
30	(1E)	CHARACTER	2	SJBYEXDD	Julian days (0-366)
30	(1E)	BITSTRING	0	SJKYTEMP	"X'8520'" TEMP

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
32	(20)	BITSTRING	1	SJBYTEMP	Byte to retrieve the TEMP indicator
				Comment	
Bit masks for TEMP keyword					
				End of Comment	
		1		SJBITEMP	"X'01'" TEMP indicator
32	(20)	BITSTRING	0	SJKYDCBR	"X'8521'" DCB=DSNAME
32	(20)	BITSTRING	0	SJKYVSCT	"X'8522'" VOLUME SERIAL COUNT
32	(20)	BITSTRING	0	SJKYVLC1	"X'8523'" VOLUME COUNT - SIOT
32	(20)	BITSTRING	0	SJKYVLC2	"X'8524'" VOLUME COUNT - JFCB
32	(20)	BITSTRING	0	SJKYUAFF	"X'8525'" UNIT=AFF
33	(21)	BITSTRING	1	SJBYDSAT	Dataset attributes byte
				Comment	
Bit mask for UNIT=AFF keyword					
				End of Comment	
		.... ..1.		SJBIUAFF	"X'02'" UNIT=AFF indicator
33	(21)	BITSTRING	0	SJKYDSCB	"X'8526'" DSCB TTR
33	(21)	BITSTRING	0	SJKYSGDS	"X'8527'" SGDS (system generated data set name) indicator
34	(22)	BITSTRING	1	SJBYSGDS	Byte to retrieve SDGS indicator
				Comment	
Bit masks for SGDS keyword					
				End of Comment	
		...1		SJBISGDS	"X'10'" SGDS indicator
34	(22)	BITSTRING	0	SJKYUNCT	"X'8528'" UNIT Count field
34	(22)	BITSTRING	0	SJKYCOMP	"X'8529'" COMPACTION indicator
35	(23)	BITSTRING	1	SJBYCOMP	Byte for COMPACTION indicator
				Comment	
Constants for TRTCH data. Only the values for compaction and non-compaction are supplied because these are the only values that SMS needs to check for and make updates for.					
				End of Comment	
		.... 1...		SJBICOMP	"X'08'" COMPACTION
		.... .1..		SJBINCMP	"X'04'" No COMPACTION
35	(23)	BITSTRING	0	SJKYTDSI	"X'852A'" TDSI Information
				Comment	
Constants for Track recording technique (first nibble of TDSI)					
				End of Comment	
		1111		SJVLTRKR	"X'F0'" - Track recording technique
		....		SJVLOREC	"X'00'" - Recording technology unknown or not specified
		...1		SJVL18TK	"X'10'" - 18 track recording mode - (hex value)
		..1.		SJVL36TK	"X'20'" - 36 track recording mode - (hex value)
				Comment	
Constants for Media type (second nibble of TDSI)					
				End of Comment	
		 1111		SJVLMEDI	"X'0F'" - Media type
		....		SJVLOMED	"X'00'" - Media type unknown or not specified

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1		SJVLMED1	"X'01'" - Cartridge System Tape - (hex value)
		.... ..1.		SJVLMED2	"X'02'" - Enhanced Capacity Cartridge System Tape - (hex value)
				Comment	
				Constants for Compaction Type (third nibble of TDSI)	
				End of Comment	
		1111		SJVLCMPT	"X'F0'" - Compaction type
		....		SJVLMPNS	"X'00'" - Compaction type unknown or not specified
		...1		SJVLNOCP	"X'10'" - Compaction not used - (hex value)
		..1.		SJVLIDRC	"X'20'" - Compaction type=IDRC - (hex value)
				Comment	
				Constants for Special Attributes (fourth nibble of TDSI)	
				End of Comment	
		 1111		SJVLSPEC	"X'0F'" - Special attributes
		....		SJVLOSPC	"X'00'" - Volume has no special attributes
		1		SJVLDCOM	"X'01'" - Read compatibility attribute. When set, it indicates that the volumes will be used for input only and read compatible devices can be added to the device eligibility - (hex value)
35	(23)	BITSTRING	0	SJKYAIND	"X'852B'" IN/OUT Indicator on LABEL keyword
36	(24)	BITSTRING	1	SJBYAIND	Byte to retrieve IN/OUT data into
				Comment	
				Bit masks for IN/OUT indicator	
				End of Comment	
		1...		SJBIINSP	"X'80'" If this bit is on, then IN was specified
		.1..		SJBIOUTS	"X'40'" If this bit is on, then OUT was specified
36	(24)	BITSTRING	0	SJKYRETP	"X'852C'" Expiration date derived from retention period
36	(24)	BITSTRING	0	SJKYRESL	"X'852D'" SMS VOLREF "to be resolved" flag
37	(25)	BITSTRING	1	SJBYRESL	Byte for SMS to be resolved flag
				Comment	
				Bit masks for the SMS to be resolved flag	
				End of Comment	
		.... .1..		SJBIRESL	"X'04'" SMS VOLREF to be resolved
37	(25)	BITSTRING	0	SJKYBLKS	"X'852E'" Blocksize (from SIOTX)
				Comment	
				Doubleword to retrieve Blocksize from SIOTX into	
				End of Comment	
38	(26)	BITSTRING	8	SJBYBLKS	Blocksize field from SIOTX
38	(26)	BITSTRING	0	SJKYUNAF	"X'852F'" Affed-to DD token (UNIT=AFF=DDx)
38	(26)	BITSTRING	0	SJKYSMSV	"X'8530'" Duplicate volume bit in SIOT
				Comment	
				Bit mask for Duplicate Volume indicator for JES3	
				End of Comment	
46	(2E)	BITSTRING	1	SJBYDUPV	Byte for Duplicate Volume bit
		.... ..1.		SJBIDUPV	"X'02'" Duplicate volume indicator

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
			Comment		
		KEY CONSTANTS FOR 'EXEC'			
			End of Comment		
47	(2F)	CHARACTER	8	SJVBEXEC	
47	(2F)	BITSTRING	0	SJKYPGMN	"X'8900'" PROGRAM NAME
47	(2F)	BITSTRING	0	SJKYSACT	"X'8901'" STEP ACCOUNTING
47	(2F)	BITSTRING	0	SJKYSTPN	"X'8902'" STEPNAME
47	(2F)	BITSTRING	0	SJKYSACS	"X'8903'" STEP ACCOUNTING SUB PARAMETERS
		1		SJKYSCCS	"X'0001'" STEP CCSID
		.... ..1.		SJKYSRTO	"X'0002'" STEP RLSTMOUT
			Comment		
		KEY CONSTANTS FOR 'JOB'			
			End of Comment		
55	(37)	CHARACTER	8	SJVBJOB	
55	(37)	BITSTRING	0	SJKYJNME	"X'8700'" JOBNAME
55	(37)	BITSTRING	0	SJKYJACT	"X'8701'" JOB ACCOUNTING
55	(37)	BITSTRING	0	SJKYJACS	"X'8702'" JOB ACCOUNTING SUB PARAMETERS
		.... ..1.		SJKYJBYT	"X'0002'" BYTES (Max Count)
		11		SJKYJBY2	"X'0003'" BYTES (Disposition)
		.... .1..		SJKYJCRD	"X'0004'" CARDS (Max Count)
		.... .1.1		SJKYJCR2	"X'0005'" CARDS (Disposition)
		.... .11.		SJKYJPAG	"X'0006'" PAGES (Max Count)
		.... .111		SJKYJPA2	"X'0007'" PAGES (Disposition)
		.... 1...		SJKYJLIN	"X'0008'" LINES (Max Count)
		.... 1..1		SJKYJLI2	"X'0009'" LINES (Disposition)
		.... 1.1.		SJKYJENV	"X'000A'" SCHENV
		.... 1.11		SJKYJCCS	"X'000B'" JOB CCSID
		.... 11..		SJKYJJLG	"X'000C'" JESLOG (Disposition)
		.... 11.1		SJKYJJL2	"X'000D'" JESLOG (Frequency)
			Comment		
		Values for JESLOG disposition			
			End of Comment		
		...1		SJVJSPIN	"X'10'" SPIN
		..1.		SJVJSUPP	"X'20'" SUPPRESS
		.1..		SJVJNOSP	"X'40'" NOSPIN
			Comment		
		Values for BYTES, CARDS, PAGES and LINES disposition			
			End of Comment		
		...1		SJVLCANC	"X'10'" CANCEL
		..1.		SJVLDUMP	"X'20'" DUMP
		.1..		SJVLWARN	"X'40'" WARNING
55	(37)	BITSTRING	0	SJKYMSGC	"X'8703'" Job Msgclass Information

SJKEY Cross Reference

Name	Hex Offset	Hex Value
SJBIAL	18	40
SJBIASA	19	4
SJBIASCI	19	20
SJBIAUL	18	48
SJBIBLOK	19	10
SJBIBLP	18	10
SJBICATA	C	2
SJBICATL	B	2
SJBICOMP	23	8
SJBIDDFU	12	8
SJBIDELA	C	4
SJBIDELT	B	4
SJBIDFUM	12	10
SJBIDSID	F	8
SJBIDSQU	D	4
SJBIDUMY	E	80
SJBIDUPV	2E	2
SJBIFIXD	19	80
SJBIGDG	17	2
SJBIINSP	24	80
SJBIKEEP	B	8
SJBIKEPA	C	8
SJBILTM	18	21
SJBIMACH	19	2
SJBIMOD	A	2
SJBINCMP	23	4
SJBINEW	A	4
SJBINL	18	1
SJBINSL	18	4
SJBIOLD	A	1
SJBIOUTS	24	40
SJBIPASS	B	10
SJBIPROT	11	80
SJBIQNME	17	1
SJBIRESL	25	4
SJBIRLSE	9	C0
SJBISGDS	22	10
SJBISL	18	2
SJBISMSM	8	80
SJBISMS7	14	1
SJBISPAN	19	8
SJBISUBS	16	80
SJBISUL	18	A
SJBISYSI	10	40
SJBISYSO	13	8
SJBITEMP	20	1
SJBITERM	15	40
SJBIUAFF	21	2
SJBIUCTA	C	1
SJBIUCTL	B	1
SJBIUNDF	19	C0
SJBIVARI	19	40
SJBYAIND	24	
SJBYBLKS	26	
SJBYCOMP	23	
SJBYDFUB	12	
SJBYDISP	A	
SJBYDSAT	21	
SJBYDSID	F	
SJBYDSP2	B	
SJBYDSP3	C	
SJBYDSQU	D	
SJBYDUMY	E	
SJBYDUPV	2E	
SJBYEXDD	1E	
SJBYEXPD	1D	
SJBYEXYY	1D	
SJBYLTYP	18	
SJBYPROT	11	
SJBYQNME	17	
SJBYRECF	19	
SJBYRESL	25	
SJBYSGDS	22	
SJBYSMSB	8	
SJBYSMS7	14	
SJBYSPC5	9	
SJBYSUBS	16	
SJBYSYSI	10	
SJBYSYSO	13	
SJBYTEMP	20	
SJBYTERM	15	
SJKY	0	
SJKYACDE	0	8001
SJKYAIND	23	852B
SJKYAVGR	0	8010
SJKYBLKS	25	852E
SJKYBSLM	0	8022
SJKYCNTL	0	8003
SJKYCOMP	22	8529
SJKYDACL	0	8006
SJKYDADM	0	800A
SJKYDCBR	20	8521
SJKYDCCS	0	8020
SJKYDCLD	0	8011
SJKYDCL2	0	801E
SJKYDDNM	8	8503
SJKYDEN	18	851B
SJKYDFUB	11	850F
SJKYDISP	9	8508
SJKYDSCB	21	8526
SJKYDSEQ	17	8518
SJKYDSID	E	850B
SJKYDSNM	C	8509
SJKYDSNT	0	8012
SJKYDSRG	9	8507
SJKYDUMY	D	850A
SJKYELNM	17	8516
SJKYEXPD	19	851F
SJKYFDAT	0	801D
SJKYGDG	17	8515
SJKYJACS	37	8702
SJKYJACT	37	8701
SJKYJBYT	37	2
SJKYJBY2	37	3
SJKYJCCS	37	B
SJKYJCRD	37	4
SJKYJCR2	37	5
SJKYJENV	37	A
SJKYJJLG	37	C
SJKYJJL2	37	D
SJKYJLIN	37	8
SJKYJLI2	37	9
SJKYJNME	37	8700
SJKYJPAG	37	6
SJKYJPA2	37	7
SJKYKEYL	19	851E

Name	Hex Offset	Hex Value
SJKYKEYO	0	800C
SJKYLGST	0	801F
SJKYLIKE	0	800F
SJKYLREL	19	851D
SJKYLTYP	17	8519
SJKYMGCL	0	8005
SJKYMSGC	37	8703
SJKYMSVG	9	8506
SJKYOUTL	18	851A
SJKYOUTP	0	8002
SJKYPATH	0	8017
SJKYPCDS	0	801B
SJKYPGMN	2F	8900
SJKYPMDE	0	8019
SJKYPNDS	0	801A
SJKYPOOL	0	8016
SJKYPOPT	0	8018
SJKYPROT	10	850E
SJKYQNME	16	8514
SJKYRACF	0	8007
SJKYRECF	18	851C
SJKYRECO	0	800B
SJKYREFD	0	800D
SJKYRESL	24	852D
SJKYRETP	24	852C
SJKYRKP	17	8517
SJKYRLS	0	801C
SJKYSACS	2F	8903
SJKYSACT	2F	8901
SJKYSCCS	2F	1
SJKYSECM	0	800E
SJKYSEGM	0	8014
SJKYSGDS	21	8527
SJKYSMSB	0	8500
SJKYSMSD	0	8008
SJKYSMSV	26	8530
SJKYSMS2	0	8021
SJKYSMS7	13	8511
SJKYSPAC	8	8505
SJKYSPIN	0	8013
SJKYSRTO	2F	2
SJKYSTCL	0	8004
SJKYSTPN	2F	8902
SJKYSTRG	0	8009
SJKYSUBS	15	8513
SJKYSYSI	F	850D
SJKYSYSO	12	8510
SJKYTDSI	23	852A
SJKYTEMP	1E	8520
SJKYTERM	14	8512
SJKYUAFF	20	8525
SJKYUNAF	26	852F
SJKYUNCT	22	8528
SJKYUNIT	F	850C
SJKYVLC1	20	8523
SJKYVLC2	20	8524
SJKYVRDD	8	8501
SJKYVRDS	8	8502
SJKYVSCT	20	8522
SJKYVSRN	8	8504
SJKYZSEG	0	8015
SJVBDD	0	C4C44040
SJVBEXEC	2F	C5E7C5C3
SJVBJOB	37	D1D6C240
SJVJNOSP	37	40
SJVJSPIN	37	10
SJVJSUPP	37	20
SJVLABS	8	0
SJVLALX	8	2
SJVLAPPE	0	8
SJVLARKI	0	40
SJVLARME	0	20
SJVLARUN	0	80
SJVLAVR	8	40
SJVLBIN	0	80
SJVLBQ	9	10
SJVLCANC	37	10
SJVLCEXL	0	C0
SJVLCMPT	23	F0
SJVLCONT	8	8
SJVLCR	0	40
SJVLCRE	0	20
SJVLCREA	0	80
SJVLCYL	8	C0
SJVLDA	9	20
SJVLDAU	9	21
SJVLDCOM	23	1
SJVLDELE	0	4
SJVLDTLI	0	80
SJVLDTPD	0	40
SJVLDUMP	37	20
SJVLEXCL	0	40
SJVLGENR	0	80
SJVLGS	9	80
SJVLHFSI	0	10
SJVLIDRC	23	20
SJVLIS	9	80
SJVLISU	9	81
SJVLKEEP	0	8
SJVLMEDI	23	F
SJVLMED1	23	1
SJVLMED2	23	2
SJVLMPNS	23	0
SJVLMSGP	8	20
SJVLMXIG	8	4
SJVLNBLK	0	4
SJVLNOCP	23	10
SJVLNOCT	0	20
SJVLNRI	0	80
SJVLOMED	23	0
SJVLOREC	23	0
SJVLOSPC	23	0
SJVLPIPE	0	20
SJVLPO	9	2
SJVLPOU	9	3
SJVLPS	9	40
SJVLPSU	9	41
SJVLPU	9	1
SJVLQD	9	8
SJVLQP	9	4
SJVLRDON	0	2
SJVLRDWR	0	3
SJVLRGRP	0	20
SJVLRND	8	1
SJVLROES	0	40
SJVLROKS	0	80
SJVLROLS	0	10
SJVLRORR	0	20
SJVLROTH	0	4
SJVLRUSR	0	100

SJKEY Cross Reference

Name	Hex Offset	Hex Value
SJVLRWXG	0	38
SJVLRWXO	0	7
SJVLRWXU	0	1C0
SJVLSGID	0	400
SJVLSPEC	23	F
SJVLSPNO	0	40
SJVLSPUN	0	80
SJVLSUID	0	800
SJVLSYNC	0	100
SJVLTEXT	0	40
SJVLTL	9	40
SJVLTM	9	20
SJVLTR	9	4
SJVLTRK	8	80
SJVLTRKR	23	F0
SJVLTRUN	0	10
SJVLVS	9	8
SJVLWARN	37	40
SJVLWDON	0	1
SJVLWGRP	0	10
SJVLWOTH	0	2
SJVLWUSR	0	80
SJVLXGRP	0	8
SJVLXOTH	0	1
SJVLXUSR	0	40
SJVL1600	18	C3
SJVL18TK	23	10
SJVL200	18	3
SJVL36TK	23	20
SJVL556	18	43
SJVL6250	18	D3
SJVL800	18	83

SJKLP Heading Information

Common Name: Scheduler JCL Facility Key List Service Parameter List
Macro ID: IEFSJKLP
DSECT Name: SJKLP
Owning Component: Scheduler JCL facility (BB131)
Eye-Catcher ID: SJKL
Offset: 0
Length: 4
Storage Attributes: Subpool: Any
Key: Caller's key
Residency: Any
Size: 54 (decimal)
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: Mapping for the Scheduler JCL Facility Key List Service Parameter List

SJKLP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	54	SJKLP	SJF Keylist parameter list
0	(0)	CHARACTER	4	SJKLID	Identifier 'SJKL'
4	(4)	UNSIGNED	1	SJKLVERS	Version number
5	(5)	BITSTRING	1	SJKLFLAG	Control flag byte
		1...		SJKLNREC	No recovery
		.1..		SJKLNOCU	No cleanup
		..11 1111		*	Reserved
6	(6)	SIGNED	2	SJKLLEN	Length of parameter list
8	(8)	ADDRESS	4	SJKLSTOR	Local storage pointer or zero
12	(C)	SIGNED	4	SJKLREAS	Reason code
16	(10)	CHARACTER	8	SJKLJDVT	JDVT name
24	(18)	CHARACTER	8	SJKLVERB	Verb name
32	(20)	CHARACTER	8	SJKLCLAS	Class identifier
40	(28)	UNSIGNED	2	SJKLSUBP	Subpool for key list storage
42	(2A)	BITSTRING	1	SJKLFLG1	Flag field
		1...		SJKLNICF	Not in class flag
		.1..		SJKLRKWO	Return keyword only
43	(2B)	CHARACTER	1	SJKLRSV0	Reserved for IBM use
44	(2C)	ADDRESS	4	SJKLRETA	Key list return area address
48	(30)	UNSIGNED	2	SJKLARLN	Key list return area length
50	(32)	UNSIGNED	2	SJKLKIDN	Number of keys returned
52	(34)	CHARACTER	2	SJKLRSV1	Reserved for IBM use

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	10	SJKLKEYL (*)	Key list mapping
0	(0)	CHARACTER	10	SJKLKENT	Key list entry
0	(0)	CHARACTER	8	SJKLKYWD	Keyword name
8	(8)	UNSIGNED	2	SJKLKEY	Key number

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SJKLP Constants

Len	Type	Value	Name	Description
Comment				
Additional data needed for parameter list				
End of Comment				
4	CHARACTER	SJKL	SJKLCID	Parameter list identifier
1	DECIMAL	1	SJKLCVER	Version number
2	DECIMAL	230	SJKLSBPL	Typical subpool for keylist

SJKLP Cross Reference

Name	Hex Offset	Hex Value
SJKLARLN	30	
SJKLCLAS	20	
SJKLFLAG	5	
SJKLFLG1	2A	
SJKLID	0	
SJKLJDVT	10	
SJKLKENT	0	
SJKLKEY	8	
SJKLKEYL	0	
SJKLKIDN	32	
SJKLKYWD	0	
SJKLLEN	6	
SJKLNICF	2A	80
SJKLNOCU	5	40
SJKLNREC	5	80
SJKLP	0	
SJKLREAS	C	
SJKLRETA	2C	
SJKLRKWO	2A	40
SJKLRSV0	2B	
SJKLRSV1	34	
SJKLSTOR	8	
SJKLSUBP	28	
SJKLVERB	18	
SJKLVERS	4	

SJMRP Heading Information

Common Name: Scheduler JCL Facility Merge SWB Parameter list
Macro ID: IEFSJMRP
DSECT Name: SJMRP
Owning Component: Scheduler JCL Facility (BB131)
Eye-Catcher ID: SJMP
Offset: 0
Length: 4
Storage Attributes: Subpool: Any
Key: Caller's key
Residency: Any
Size: See assembler listing
Created by: Caller
Pointed to by: Standard linkage parameter list (Register 1 pointing to a word which points to SJMRP).
Serialization: N/A
Function: Mapping for the Scheduler JCL Facility Merge SWB Parameter list. The Merge SWB service will take two SWB chains (specified with the 'Merge' and 'Base' tokens), and create a new SWB chain (returned as the 'Resolve' token) that contains keywords from both input SWB chains. Specific keys in the 'Merge' SWB chain will override the same key in the 'Base' SWB chain.

SJMRP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	44	SJMRP	SJF Merge SWB parameter list
0	(0)	CHARACTER	4	SJMRID	Identifier 'SJMR'
4	(4)	UNSIGNED	1	SJMRVERS	Version number
5	(5)	CHARACTER	1	SJMRFLAG	Control flags
		1...		SJMRNREC	No recovery
		.1..		SJMRNOCU	No cleanup
		..11 1111		*	Reserved
6	(6)	SIGNED	2	SJMRLEN	Length of parameter list
8	(8)	ADDRESS	4	SJMRSTOR	Local storage pointer or zero
12	(C)	SIGNED	4	SJMRREAS	Reason code (returned) End of common header
16	(10)	CHARACTER	8	SJMRBAST	SJF Base token
24	(18)	CHARACTER	8	SJMRMRGT	SJF Merge token
32	(20)	CHARACTER	8	SJMRREST	SJF Resolve token (result)
40	(28)	CHARACTER	1	SJMRFLG1	Control flags
		1...		SJMRNSWA	Create result SWB in non-SWA storage
		.1..		SJMRNFB	New SWB label from Base SWB
		..1.		SJMRNSER	Do not serialize resultant SWA SWB
		...1		SJMRRTNB	De-serialize Base SWB
		.... 1...		SJMRRTNM	De-serialize Merge SWB
		.... .111		*	Reserved
41	(29)	CHARACTER	1	SJMRRETF	Return Flags
		1...		SJMRDESB	Base SWB Chain Deserialized
		.1..		SJMRDESM	Merge SWB Chain Deserialized
		..1.		SJMRDSEB	Error during Base SWB DeSer
		...1		SJMRDSEM	Error during Merge SWB DeSer
42	(2A)	CHARACTER	2	SJMRRSV0	Reserved

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SJMRP Constants

Len	Type	Value		Name	Description
Comment					
ADDITIONAL DATA NEEDED FOR PARAMETER LIST					
End of Comment					
4	CHARACTER	SJMR		SJMRCID	Parameter list acronym
1	DECIMAL		1	SJMRCVER	Parameter list version

SJMRP Cross Reference

Name	Hex Offset	Hex Value
SJMRBAST	10	
SJMRDESB	29	80
SJMRDESM	29	40
SJMRDSEB	29	20
SJMRDSEM	29	10
SJMRFLAG	5	
SJMRFLG1	28	
SJMRID	0	
SJMRLEN	6	
SJMRMRGT	18	
SJMRNFB	28	40
SJMRNOCU	5	40
SJMRNREC	5	80
SJMRNSER	28	20
SJMRNSWA	28	80
SJMRP	0	
SJMRREAS	C	
SJMRREST	20	
SJMRRETF	29	
SJMRRSV0	2A	
SJMRRTNB	28	10
SJMRRTNM	28	08
SJMRSTOR	8	
SJMRVERS	4	

SJPRFX Heading Information

Common Name: NJE Prefix Mapping
Macro ID: IEFSJPFX
DSECT Name: SJPRFX
Owning Component: (BB131) SJF
Eye-Catcher ID: SJPF
Offset: +0
Length: 4 characters (bytes)
Storage Attributes: Subpool: N/A
Key: N/A
Residency: Any
Size: 28 ('1C'x)
FREQUENCY = N/A
Created by: N/A
Pointed to by: N/A
Serialization: None
Function: This mapping is used as the prefix section of a SWBTU (SWB in text unit format). A SWBTU is the transportable format of SWB (JCL) data owned by SJF. The mapping is also defined as the NJE Data Set Header OPTB prefix.

SJPRFX Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	28	SJPRFX	NJE PREFIX
0	(0)	CHARACTER	4	SJPRID	IDENTIFIER 'SJPF'
4	(4)	UNSIGNED	1	SJPRVERS	VERSION NUMBER
5	(5)	UNSIGNED	1	SJPRPLEN	LENGTH OF PREFIX
6	(6)	SIGNED	2	SJPRDLEN	LENGTH OF DATA
8	(8)	CHARACTER	8	SJPRVERB	VERB FOR SWB CHAIN
16	(10)	CHARACTER	8	SJPRVRBL	LABEL FOR SWB CHAIN
24	(18)	BITSTRING	1	SJPRFLG1	FLAGS
		1...		SJPRCONT	CONTINUATION TEXT UNIT FLAG
		.1..		SJPRDYNM	DYNAMICALLY CREATED SWB CHAIN
25	(19)	UNSIGNED	1	SJPRPARM	NUMBER OF PARAMETERS ALREADY PROCESSED IN THE FIRST TEXT UNIT
26	(1A)	UNSIGNED	2	SJPRRSV1	RESERVED

SJPRFX Constants

Len	Type	Value	Name	Description
Comment				
ADDITIONAL DATA NEEDED FOR NJE PREFIX MAPPING				
End of Comment				
4	CHARACTER	SJPF	SJPRCID	IDENTIFIER
1	DECIMAL	2	SJPRCVER	CURRENT VERSION NUMBER

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SJPRFX Cross Reference

Name	Hex Offset	Hex Value
SJPRCONT	18	80
SJPRDLEN	6	
SJPRDYNM	18	40
SJPRFLG1	18	
SJPRFX	0	
SJPRID	0	
SJPRPARM	19	
SJPRPLEN	5	
SJPRRSV1	1A	
SJPRVERB	8	
SJPRVERS	4	
SJPRVRBL	10	

SJPUP Heading Information

Common Name: SCHEDULER JCL FACILITY PUT SWB PARAMETER LIST
Macro ID: IEFSJPUP
DSECT Name: SJPUP
Owning Component: Scheduler JCL Facility (BB131)
Eye-Catcher ID: SJPU
Offset: 0
Length: 4
Storage Attributes: Subpool: Any
Key: Caller's key
Residency: Any
Size: 56 bytes
Created by: Caller of SJFREQ REQUEST=PUTSWB
Pointed to by: On entry to SJF, register 1 points to a word that points to SJPUP
Serialization: None
Function: Mapping for the Scheduler JCL Facility Put SWB Service Parameter List.

SJPUP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	56	SJPUP	
0	(0)	CHARACTER	4	SJPUID	IDENTIFIER
4	(4)	UNSIGNED	1	SJPUVERS	VERSION NUMBER
5	(5)	BITSTRING	1	SJPUFLAG	CONTROL FLAGS
		1...		SJPUNREC	NO RECOVERY
		.1..		SJPUNOCU	NO CLEANUP
		..11 1111		*	RESERVED
6	(6)	SIGNED	2	SJPULEN	LENGTH OF PARAMETER LIST
8	(8)	ADDRESS	4	SJPUSTOR	LOCAL STORAGE POINTER
12	(C)	SIGNED	4	SJPUREAS	RESULT REASON CODE (RETURNED)
16	(10)	CHARACTER	8	SJPUTOKN	
16	(10)	ADDRESS	4	SJPUANBK	ADDRESS OF CONTROL BLOCK FOR A JCL STATEMENT (JCT, SCT, SIOT OR SWB) OR THE ADDRESS OF A SWB CHAIN
20	(14)	ADDRESS	4	SJPUANCA	ADDRESS OF WORD POINTING TO A A SWB CHAIN OR ZERO
24	(18)	ADDRESS	4	SJPUSWBA	ADDRESS OF AREA CONTAINING KEYWORD DATA
28	(1C)	UNSIGNED	2	SJPUALEN	LENGTH OF AREA CONTAINING KEYWORD DATA
30	(1E)	BITSTRING	1	SJPUFLG2	FLAGS
		1...		SJPUNSWA	SWBS TO BE BUILT IN NON-SWA SUBPOOL
		.1..		SJPUWARN	CONTINUE PROCESSING AFTER AN ERROR WHICH IS DUE TO CHANGES IN THE JDTS FROM RELEASE TO RELEASE IS ENCOUNTERED
		..1.		SJPUOSER	SERIALIZATION ON SWB USE COUNT IS NOT REQUIRED
		...1 1111		*	RESERVED
31	(1F)	BITSTRING	1	SJPURSV2	RESERVED
32	(20)	CHARACTER	8	SJPUJDVT	JDVT NAME
40	(28)	CHARACTER	0	SJPUV1ND	END OF VERSION 1 PARMLIST
40	(28)	CHARACTER	3	SJPUSVA	SVA TO BE REASSIGNED TO SWB (USED BY SWA RELOCATOR)
43	(2B)	CHARACTER	13	SJPURSV3	RESERVED

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SJPUP Constants

Len	Type	Value		Name	Description
		Comment			
	ADDITIONAL DATA NEEDED FOR THE PUT SWB PARAMETER LIST				
		End of Comment			
4	CHARACTER	SJPU		SJPUCID	IDENTIFIER
1	DECIMAL		2	SJPUCVER	CURRENT VERSION NUMBER

SJPUP Cross Reference

Name	Hex Offset	Hex Value
SJPUALEN	1C	
SJPUANBK	10	
SJPUANCA	14	
SJPUFLAG	5	
SJPUFLG2	1E	
SJPUID	0	
SJPUJDVT	20	
SJPULEN	6	
SJPUNOCU	5	40
SJPUNREC	5	80
SJPUNSWA	1E	80
SJPUOSER	1E	20
SJPUP	0	
SJPUREAS	C	
SJPURSV2	1F	
SJPURSV3	2B	
SJPUSTOR	8	
SJPUSVA	28	
SJPUSWBA	18	
SJPUTOKN	10	
SJPUVERS	4	
SJPUV1ND	28	
SJPUWARN	1E	40

SJRC Programming Interface information

Programming Interface information

SJRC

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

- SJRC_BASE_SWBTU_CONFLICT
- SJRC_FREEMAIN_FAILURE
- SJRC_GETMAIN_FAILURE
- SJRC_KEYLIST_INVALID_PLIST
- SJRC_KEYLIST_NO_STORAGE
- SJRC_KEYLIST_VERB_NOT_DEF
- SJRC_MODIFY_SWBTU_ERROR
- SJRC_MODIFY_SWBTU_NO_TU
- SJRC_NO_KEYWORDS_TO_RETURN
- SJRC_NOT_FOUND
- SJRC_OUTAREA_OVERFLOW
- SJRC_SCAN_INVALID_KEY
- SJRC_SCAN_INVALID_PARM
- SJRC_SCAN_INVALID_PLIST
- SJRC_SCAN_VERB_DOESNT_MATCH
- SJRC_SPLICE_STORAGE_ERROR
- SJRC_SWBTU_WITH_NO_TUS
- SJRCALDL
- SJRCALLW
- SJRCBKK
- SJRCBUFL
- SJRCBVC
- SJRCCOPY
- SJRCDDNM
- SJRCDFTJ
- SJRCDLVL
- SJRCDUPJ
- SJRCDUPK
- SJRCDUPV
- SJRCEBIT
- SJRCGEGM
- SJRCGETJ
- SJRCGETS
- SJRCGLEN
- SJRCGSWB
- SJRCIFUN
- SJRCINAN
- SJRCINVJ
- SJRCIREF
- SJRCITKN
- SJRCIVAC
- SJRCIVCB
- SJRCIVDT
- SJRCIVID
- SJRCIVKY
- SJRCIVLB
- SJRCIVRB
- SJRCLDEL
- SJRCLSTG
- SJRCMORE
- SJRCMRDV
- SJRCNATH
- SJRCNBIT
- SJRCNDAT
- SJRCNDTA
- SJRCNDYN
- SJRCNGRP
- SJRCNJDT
- SJRCNOCB
- SJRCNOIP
- SJRCNOST
- SJRCNSCH
- SJRCNSDT
- SJRCNSLE
- SJRCNSTG
- SJRCNSWB
- SJRCNUPD
- SJRCPERR
- SJRCPLEN
- SJRCPLST
- SJRCPMOD
- SJRCPRMN
- SJRCPSWB
- SJRCPTUL
- SJRCPUGM
- SJRCSSTG
- SJRCSTEP
- SJRCSUHT
- SJRCSWAM
- SJRCUSEH
- SJRCUSEZ
- SJRCVAOC
- SJRCWSPC

End of Programming Interface information

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SJRC Heading Information

Common Name: Scheduler JCL Facility Reason Codes
Macro ID: IEFSJRC
DSECT Name: n/a
Owning Component: Scheduler JCL Facility (BB131)
Eye-Catcher ID: none
Storage Attributes: Virtual Storage: included in module's dynamic area
Size: n/a
Created by: n/a
Pointed to by: n/a
Serialization: None
Function: Maps the reason codes used by all SJFREQ Functions

SJRC Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	SJRCNOER	X'000' PROCESSING SUCCESSFUL
4	(4)	SIGNED	4	SJRCIVID	X'001' INVALID SWB ID, OWNER NAME, BLOCK ID, VERB, OR LABEL
8	(8)	SIGNED	4	SJRCIVTK	X'002' INVALID SWB TOKEN
12	(C)	SIGNED	4	SJRCNSWB	X'003' SWB NOT FOUND ON SWB CHAIN
16	(10)	SIGNED	4	SJRCNJDV	X'004' JDVT NOT FOUND ON JDVT CHAIN
20	(14)	SIGNED	4	SJRCNJCH	X'005' JDVT CHAIN DOES NOT EXIST
		Comment			
		JDT REASON CODES - Returned BY SJF Extract and callers of SJF Extract			
		End of Comment			
24	(18)	SIGNED	4	SJRCNVRB	X'0C8' VERB NOT DEFINED IN JDT
28	(1C)	SIGNED	4	SJRCNKWD	X'0C9' KEYWORD NOT DEFINED IN JDT
32	(20)	SIGNED	4	SJRCNKEY	X'0CA' KEY NOT DEFINED IN JDT
36	(24)	SIGNED	4	SJRCNPRM	X'0CB' SUBPARAMETER NOT DEFINED IN JDT
40	(28)	SIGNED	4	SJRCBKK	X'0CC' BOTH A KEYWORD AND KEY ARE SPECIFIED
44	(2C)	SIGNED	4	SJRCNSLE	X'0CE' SUBLIST ELEMENT NOT DEFINED IN THE JDT
48	(30)	SIGNED	4	SJRCNCMD	X'0CF' COMMAND NOT DEFINED IN JDT
52	(34)	SIGNED	4	SJRCNOPE	X'0D0' OPERAND NOT DEFINED IN JDT
56	(38)	SIGNED	4	SJRCBVC	X'0D1' BOTH VERB AND COMMAND SPECIFIED
60	(3C)	SIGNED	4	SJRCNOIP	X'0D2' NO OPERAND INFORMATION POINTER
64	(40)	SIGNED	4	SJRCVAOC	X'0D3' VERB AND/OR COMMAND NOT SPECIFIED
68	(44)	SIGNED	4	SJRCDLVL	X'0D4' Special parameter information not supported by this parameter list version
		Comment			
		DEFINE JDVT REASON CODES			
		End of Comment			
72	(48)	SIGNED	4	SJRCNJDT	X'12C' JDT NOT FOUND
76	(4C)	SIGNED	4	SJRCDUPJ	X'12D' DUPLICATE JDVT NAME
80	(50)	SIGNED	4	SJRCDFTJ	X'12E' DEFAULT JDVT ALREADY EXISTS
84	(54)	SIGNED	4	SJRCGETJ	X'12F' GETMAIN FOR JDVT FAILED
88	(58)	SIGNED	4	SJRCSUHT	X'130' STORAGE UNAVAILABLE FOR HASH TABLE
92	(5C)	SIGNED	4	SJRCNSDT	X'132' SDT NOT FOUND

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
FIND SWB REASON CODES					
				End of Comment	
96	(60)	SIGNED	4	SJRCNSCH	X'190' SPECIFIED SWB CHAIN NOT FOUND
100	(64)	SIGNED	4	SJRCSTEP	X'191' SPECIFIED STEP OR PROC NAME NOT FOUND
104	(68)	SIGNED	4	SJRCDDNM	X'192' SPECIFIED DD LABEL NOT FOUND
108	(6C)	SIGNED	4	SJRCNBIT	X'193' NO SEARCH BITS SPECIFIED
112	(70)	SIGNED	4	SJRCEBIT	X'194' UNDEFINED BITS IN PARM LIST
116	(74)	SIGNED	4	SJRCNGRP	X'195' CONTROL GROUP NOT FOUND
120	(78)	SIGNED	4	SJRCNOST	X'196' NO STEPNAME IN PARM LIST
124	(7C)	SIGNED	4	SJRCINAN	X'197' INVALID STARTING ADDRESS PASSED IN PARAMETER LIST
128	(80)	SIGNED	4	SJRCINVJ	X'198' INVALID JOB OR STEP TOKEN SUPPLIED
				Comment	
UPDATE REASON CODES					
				End of Comment	
132	(84)	SIGNED	4	SJRCIVLN	X'1F4' INVALID LENGTH OF PARAMETER
136	(88)	SIGNED	4	SJRCIVCH	X'1F5' INVALID CHOICE SPECIFIED
140	(8C)	SIGNED	4	SJRCGMAX	X'1F6' NUMERIC PARAMETER EXCEEDS MAXIMUM
144	(90)	SIGNED	4	SJRCLMIN	X'1F7' NUMERIC PARAMETER LESS THAN MINIMUM
148	(94)	SIGNED	4	SJRCIVKY	X'1F8' INVALID KEY, SYSTEM SPECIFICATION ONLY
152	(98)	SIGNED	4	SJRCDUPK	X'1F9' DUPLICATE KEY SPECIFIED
156	(9C)	SIGNED	4	SJRCNNUM	X'1FA' NO PARAMETER SPECIFIED
160	(A0)	SIGNED	4	SJRCCOPY	X'1FB' NO STORAGE COULD BE OBTAINED IN WHICH TO UPDATE SWBS
164	(A4)	SIGNED	4	SJRCIVRB	X'1FC' INVALID VERB SPECIFIED
168	(A8)	SIGNED	4	SJRCIVLB	X'1FD' INVALID LABEL SPECIFIED
172	(AC)	SIGNED	4	SJRCNLLN	X'1FE' LENGTH OF LEVEL EXCEEDS MAXIMUM
176	(B0)	SIGNED	4	SJRCNLNM	X'1FF' NUMBER OF LEVELS EXCEEDS MAXIMUM
180	(B4)	SIGNED	4	SJRCNFCH	X'200' INVALID FIRST CHARACTER OF LEVEL IN PARAMETER
184	(B8)	SIGNED	4	SJRCNOCH	X'201' INVALID CHARACTER OTHER THAN THE FIRST IN LEVEL IN PARAMETER
188	(BC)	SIGNED	4	SJRCNLIV	X'202' INVALID SPECIFICATION OF LEVELS
192	(C0)	SIGNED	4	SJRCIHEX	X'203' NONHEX CHARACTERS SPECIFIED
196	(C4)	SIGNED	4	SJRCINUM	X'204' NONNUMERIC CHARACTERS SPECIFIED
200	(C8)	SIGNED	4	SJRCIREF	X'205' INVALID REFERENCE. THIS IS GENERATED WHEN A REFERENCE IS MADE TO A DYNAMIC SWB IN A STEP OTHER THAN THE CURRENT STEP. (RESTART CANNOT HANDLE THIS CASE)
204	(CC)	SIGNED	4	SJRCZKEY	X'206' Text unit key value of hex zeroes found in input text unit
				Comment	
The range of 550 to 579 is reserved for reason codes that may be generated as a warning reason code. That is, if the update service encounters the error and the warning processing was requested, then a return code of zero will be taken.					
				End of Comment	
208	(D0)	SIGNED	4	SJRCIVTX	X'226' INVALID TEXT CHARACTER
212	(D4)	SIGNED	4	SJRCISEQ	X'227' Invalid sequence of characters found in parameter
216	(D8)	SIGNED	4	SJRCIBIT	X'228' Undefined bits are on in this bistring parameter

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
				RETRIEVE REASON CODES	
				End of Comment	
220	(DC)	SIGNED	4	SJRCSTRS	X'258' NOT ENOUGH SPACE IN STORAGE AREA
224	(E0)	SIGNED	4	SJRCWSPC	X'259' NOT ENOUGH WORK SPACE FOR TEXT UNIT POINTER LIST
228	(E4)	SIGNED	4	SJRCSTRA	X'25B' NO ADDRESS SPECIFIED FOR THE STORAGE AREA
232	(E8)	SIGNED	4	SJRCIVKN	X'25C' ZERO SPECIFIED FOR NUMBER OF KEYWORDS
236	(EC)	SIGNED	4	SJRCIVKL	X'25D' ZERO KEYWORD LIST ADDRESS SPECIFIED
240	(F0)	SIGNED	4	SJRCIVKW	X'25F' KEYWORD NOT SPECIFIED
				Comment	
				DELETE REASON CODES	
				End of Comment	
244	(F4)	SIGNED	4	SJRCALDL	X'2BC' SWB CHAIN ALREADY LOGICALLY DELETED
248	(F8)	SIGNED	4	SJRCNDYN	X'2BD' STATIC SWB CHAINS CANNOT BE DYNAMICALLY DELETED
				Comment	
				WRITE REASON CODES	
				End of Comment	
252	(FC)	SIGNED	4	SJRCIVDT	X'320' DATA EXCEEDS LENGTH OF SWB DATA PORTION
256	(100)	SIGNED	4	SJRCDUPV	X'321' SWB CHAIN ALREADY EXISTS WITH SPECIFIED VERB AND LABEL
				Comment	
				PUT REASON CODES	
				End of Comment	
260	(104)	SIGNED	4	SJRCPSWB	X'384' PUT SWB ADDRESS NOT SPECIFIED
264	(108)	SIGNED	4	SJRCPUGM	X'385' UNABLE TO GETMAIN STORAGE FOR TEXT UNIT POINTER LIST
268	(10C)	SIGNED	4	SJRCPLEN	X'386' LENGTH OF AREA TO BE PUT NOT SPECIFIED
272	(110)	SIGNED	4	SJRCPTUL	X'387' TEXT UNIT COUNT OR LENGTH IS INVALID
				Comment	
				GET REASON CODES	
				End of Comment	
276	(114)	SIGNED	4	SJRCGSWB	X'3E8' AREA TO CONTAIN KEYWORD DATA NOT SPECIFIED
280	(118)	SIGNED	4	SJRCMORE	X'3E9' MORE KEYWORD DATA TO BE OBTAINED
284	(11C)	SIGNED	4	SJRCGLEN	X'3EA' INVALID LENGTH SPECIFIED FOR KEYWORD DATA AREA
288	(120)	SIGNED	4	SJRCGEGM	X'3EB' UNABLE TO OBTAIN STORAGE FOR KEYWORD LIST OR TEXT UNIT AREA
292	(124)	SIGNED	4	SJRCNDTA	X'3EC' NO KEYWORD DATA IN SWB CHAIN WHICH MATCHES QUALIFIER SPECIFIED
				Comment	
				BUILD REASON CODES	
				End of Comment	
296	(128)	SIGNED	4	SJRCGETS	X'44C' GETMAIN FOR SWB FAILED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
VERIFY REASON CODES					
				End of Comment	
300	(12C)	SIGNED	4	SJRCIVCM	X'4B0' COMMAND NOT SPECIFIED
304	(130)	SIGNED	4	SJRCIVTP	X'4B1' NO ADDRESS SPECIFIED FOR THE TEXT UNIT BUFFER
308	(134)	SIGNED	4	SJRCIVTL	X'4B2' NOT ENOUGH STORAGE IN THE TEXT UNIT BUFFER
312	(138)	SIGNED	4	SJRCIVQU	X'4B3' SUBPARAMETER MAY NOT BE SPECIFIED IN QUOTES
316	(13C)	SIGNED	4	SJRCIVBD	X'4B4' OUTPUT TEXT UNIT BUFFER IS DIFFERENT THAT OUTPUT TEXT UNIT BUFFER PASSED ON FIRST CALL
				Comment	
ACCESS REASON CODES					
				End of Comment	
320	(140)	SIGNED	4	SJRCNDAT	X'514' NO DATA EXISTS FOR THIS PARAMETER
324	(144)	SIGNED	4	SJRCNATH	X'515' NOT AUTHORIZED TO ACCESS THIS INFORMATION
328	(148)	SIGNED	4	SJRCNSTG	X'516' UNABLE TO OBTAIN STORAGE FOR INTERNAL RETRIEVE TABLE OR TEMPORARY SWA BLOCKS
332	(14C)	SIGNED	4	SJRCNUPD	X'517' UNABLE TO UPDATE THIS KEY
336	(150)	SIGNED	4	SJRCALLW	X'518' ALLOWABLE ERRORS OCCURRED. PROCESSING CONTINUED WITH NEXT REQUEST
340	(154)	SIGNED	4	SJRCPLST	X'519' ERROR IN PARAMETER LIST FIELD
344	(158)	SIGNED	4	SJRCNOCB	X'51A' CONTROL BLOCK WHICH CONTAINS INFORMATION FOR THIS PARAMETER DOES NOT EXIST
348	(15C)	SIGNED	4	SJRCLSTG	X'51B' STORAGE AREA LARGER THAN THE REQUIRED LENGTH
352	(160)	SIGNED	4	SJRCSSTG	X'51C' STORAGE AREA SMALLER THAN THE REQUIRED LENGTH
356	(164)	SIGNED	4	SJRCNRET	X'51D' Key not retrievable
				Comment	
ERASE REASON CODES					
				End of Comment	
360	(168)	SIGNED	4	SJRCPRMN	X'578' SUBPARAMETER INFORMATION does not exist in the SWB
364	(16C)	SIGNED	4	SJRCPERR	X'579' Conflicting requests found in input parameter list
				Comment	
SERIALIZE REASON CODES					
				End of Comment	
368	(170)	SIGNED	4	SJRCUSEH	X'5DC' Use count high limit exceeded
372	(174)	SIGNED	4	SJRCUSEZ	X'5DD' Use count is zero
376	(178)	SIGNED	4	SJRCLDEL	X'5DE' SWB has been logically deleted
380	(17C)	SIGNED	4	SJRCIFUN	X'5DF' Invalid function requested
				Comment	
SCAN REASON CODES					
				End of Comment	
384	(180)	SIGNED	4	SJRC_NOT_FOUND	X'640' No matching SWB chain found
388	(184)	SIGNED	4	SJRC_SCAN_VERB_DOESNT_MATCH	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					X'641' Verb in passed SWB chain does not match verb in parm list
392	(188)	SIGNED	4	SJRC_SCAN_INVALID_PLIST	
					X'642' Invalid parm list
396	(18C)	SIGNED	4	SJRC_SCAN_INVALID_KEY	
					X'643' Key of zero passed
400	(190)	SIGNED	4	SJRC_SCAN_INVALID_PARM	
					X'644' Parm number zero passed
				Comment	
				Keylist service reason codes	
				End of Comment	
404	(194)	SIGNED	4	SJRC_KEYLIST_INVALID_PLIST	
					X'708' Invalid parameter list detected
408	(198)	SIGNED	4	SJRC_KEYLIST_VERB_NOT_DEF	
					X'709' Verb passed is not defined to the given JDVT
412	(19C)	SIGNED	4	SJRC_KEYLIST_NO_STORAGE	
					X'70A' Getmain could not obtain requested storage
416	(1A0)	SIGNED	4	SJRC_NO_KEYWORDS_TO_RETURN	
					X'70B' No keywords are associated with the given class specification
				Comment	
				SWBTU Merge service reason codes	
				End of Comment	
420	(1A4)	SIGNED	4	SJRC_SWBTU_WITH_NO_TUS	
					X'76C' The SWBTU returned on output contains no text units, only a SWBTU prefix (IEFSJPFX)
424	(1A8)	SIGNED	4	SJRC_OUTAREA_OVERFLOW	
					X'76D' The output area supplied by the caller was not large enough for the resulting SWBTU
428	(1AC)	SIGNED	4	SJRC_BASE_SWBTU_CONFLICT	
					X'76E' The base SWBTU pointer list address and the number of SWBTUs are inconsistent, one is zero and the other is non-zero
432	(1B0)	SIGNED	4	SJRC_MODIFY_SWBTU_CONFLICT	
					X'76F' The modify SWBTU pointer list address and the number of SWBTUs are inconsistent, one is zero and the other is non-zero
436	(1B4)	SIGNED	4	SJRC_ERASE_KEYS_CONFLICT	
					X'770' The erase key list address and size fields are inconsistent, one is zero and the other is non-zero
440	(1B8)	SIGNED	4	SJRC_OUTPUT_AREA_ERROR	
					X'771' The output area address is zero or the output area size field is not greater than zero
444	(1BC)	SIGNED	4	SJRC_INCORRECT_INPUT_COMBO	
					X'772' Neither a base SWBTU nor a modify SWBTU was provided, or a base SWBTU was provided but no modify SWBTU and no erase list were provided
448	(1C0)	SIGNED	4	SJRC_VERB_MISMATCH	
					X'773' The verb name in the modify SWBTU does not match the verb name in the base SWBTU
452	(1C4)	SIGNED	4	SJRC_SJSMP_PARM_ERROR	
					X'774' The version and length values are either inconsistent or undefined
456	(1C8)	SIGNED	4	SJRC_MODIFY_SWBTU_NO_TU	
					X'775' The modify SWBTU has no text units

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
				Reason codes from 1950 to 1999 are used to indicate an error occurred in a service that uses return and reason codes that are not defined by IEFSJRC.	
				End of Comment	
460	(1CC)	SIGNED	4	SJRC_GETMAIN_FAILURE	X'79E' An unexpected return from a Getmain request was encountered. The return code from Getmain is in SJSMRETC and field SJSMERRS will contain a number representing which Getmain failed.
464	(1D0)	SIGNED	4	SJRC_FREEMAIN_FAILURE	X'79F' An unexpected return from a Freemain request was encountered The return code from Freemain is in SJSMRETC and field SJSMERRS will contain a number representing which Freemain failed.
468	(1D4)	SIGNED	4	SJRC_SPLICE_STORAGE_ERROR	X'7A0' An unexpected return from the SWBTUREQ SPLICE service to obtain the working storage size required for the service was encountered. The return code from SPLICE is in SJSMRETC and the reason code is in SJSMERRS.
472	(1D8)	SIGNED	4	SJRC_BASE_SWBTU_ERROR	X'7A1' An error return from the SWBTUREQ SPLICE service to validate the base SWBTUs was encountered. The return code from SPLICE is in SJSMRETC and the reason code is in SJSMERRS.
476	(1DC)	SIGNED	4	SJRC_MODIFY_SWBTU_ERROR	X'7A2' An error return from the SWBTUREQ SPLICE service to validate the modify SWBTUs was encountered. The return code from SPLICE is in SJSMRETC and the reason code is in SJSMERRS.
				Comment	
				MERGE SWB REASON CODES	
				End of Comment	
480	(1E0)	SIGNED	4	SJRCMRDV	X'7D1' Merge attempted for SWBs of different verbs
				Comment	
				SJF Validate Reason Codes	
				End of Comment	
484	(1E4)	SIGNED	4	SJRCPMOD	X'835' Parameter modified during validation
488	(1E8)	SIGNED	4	SJRCBUFL	X'836' Output buffer length too small
				Comment	
				IEFSJSWA REASON CODES	
				End of Comment	
492	(1EC)	SIGNED	4	SJRCSWAM	X'1F40' SWA MANAGER RETURNED A NON-ZERO RETURN CODE
496	(1F0)	SIGNED	4	SJRCIVCB	X'1F41' AN INVALID CONTROL BLOCK CHAIN POINTER WAS FOUND
500	(1F4)	SIGNED	4	SJRCIVAC	X'1F42' AN INVALID CONTROL BLOCK CHAIN ACRONYM WAS FOUND

SJRC Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
Comment					
IEFSJTOK REASON CODES					
End of Comment					
504	(1F8)	SIGNED	4	SJRCITKN	X'1FA4' INVALID TOKEN TYPE REQUESTED

SJRC Cross Reference

Name	Hex Offset	Hex Value
SJRC_BASE_SWBTU_CONFLICT	1AC	76E
SJRC_BASE_SWBTU_ERROR	1D8	7A1
SJRC_ERASE_KEYS_CONFLICT	1B4	770
SJRC_FREEMAIN_FAILURE	1D0	79F
SJRC_GETMAIN_FAILURE	1CC	79E
SJRC_INCORRECT_INPUT_COMBO	1BC	772
SJRC_KEYLIST_INVALID_PLIST	194	708
SJRC_KEYLIST_NO_STORAGE	19C	70A
SJRC_KEYLIST_VERB_NOT_DEF	198	709
SJRC_MODIFY_SWBTU_CONFLICT	1B0	76F
SJRC_MODIFY_SWBTU_ERROR	1DC	7A2
SJRC_MODIFY_SWBTU_NO_TU	1C8	775
SJRC_NO_KEYWORDS_TO_RETURN	1A0	70B
SJRC_NOT_FOUND	180	640
SJRC_OUTAREA_OVERFLOW	1A8	76D
SJRC_OUTPUT_AREA_ERROR	1B8	771
SJRC_SCAN_INVALID_KEY	18C	643
SJRC_SCAN_INVALID_PARM	190	644
SJRC_SCAN_INVALID_PLIST	188	642
SJRC_SCAN_VERB_DOESNT_MATCH	184	641
SJRC_SJSMP_PARM_ERROR	1C4	774
SJRC_SPLICE_STORAGE_ERROR	1D4	7A0
SJRC_SWBTU_WITH_NO_TUS	1A4	76C
SJRC_VERB_MISMATCH	1C0	773
SJRCALDL	F4	2BC
SJRCALLW	150	518
SJRCBKK	28	CC
SJRCBUFL	1E8	836
SJRCBVC	38	D1
SJRCCOPY	A0	1FB
SJRCDDNM	68	192
SJRCDFTJ	50	12E
SJRCDLVL	44	D4
SJRCDUPJ	4C	12D
SJRCDUPK	98	1F9
SJRCDUPV	100	321
SJRCEBIT	70	194
SJRCGEGM	120	3EB
SJRCGETJ	54	12F
SJRCGETS	128	44C
SJRCGLEN	11C	3EA
SJRCGMAX	8C	1F6
SJRCGSWB	114	3E8
SJRCIBIT	D8	228
SJRCIFUN	17C	5DF
SJRCIHEX	C0	203
SJRCINAN	7C	197
SJRCINUM	C4	204
SJRCINVJ	80	198
SJRCIREF	C8	205
SJRCISEQ	D4	227
SJRCITKN	1F8	1FA4
SJRCIVAC	1F4	1F42
SJRCIVBD	13C	4B4
SJRCIVCB	1F0	1F41
SJRCIVCH	88	1F5
SJRCIVCM	12C	4B0
SJRCIVDT	FC	320
SJRCIVID	4	1
SJRCIVKL	EC	25D
SJRCIVKN	E8	25C
SJRCIVKW	F0	25F
SJRCIVKY	94	1F8
SJRCIVLB	A8	1FD
SJRCIVLN	84	1F4
SJRCIVQU	138	4B3
SJRCIVRB	A4	1FC
SJRCIVTK	8	2
SJRCIVTL	134	4B2
SJRCIVTP	130	4B1
SJRCIVTX	D0	226
SJRCLDEL	178	5DE
SJRCLMIN	90	1F7
SJRCLSTG	15C	51B
SJRCMORE	118	3E9
SJRCMRDV	1E0	7D1
SJRCNATH	144	515
SJRCNBIT	6C	193
SJRCNCMD	30	CF
SJRCNDAT	140	514

Name	Hex Offset	Hex Value
SJRCNDTA	124	3EC
SJRCNDYN	F8	2BD
SJRCNFCH	B4	200
SJRCNGRP	74	195
SJRCNJCH	14	5
SJRCNJDT	48	12C
SJRCNJDV	10	4
SJRCNKEY	20	CA
SJRCNKWD	1C	C9
SJRCNLIV	BC	202
SJRCNLLN	AC	1FE
SJRCNLNM	B0	1FF
SJRCNNUM	9C	1FA
SJRCNOCB	158	51A
SJRCNOCH	B8	201
SJRCNOER	0	0
SJRCNOIP	3C	D2
SJRCNOPE	34	D0
SJRCNOST	78	196
SJRCNPRM	24	CB
SJRCNRET	164	51D
SJRCNSCH	60	190
SJRCNSDT	5C	132
SJRCNSLE	2C	CE
SJRCNSTG	148	516
SJRCNSWB	C	3
SJRCNUPD	14C	517
SJRCNVRB	18	C8
SJRCPERR	16C	579
SJRCPLEN	10C	386
SJRCPLST	154	519
SJRCPMOD	1E4	835
SJRCPRMN	168	578
SJRCPSWB	104	384
SJRCPTUL	110	387
SJRCPUGM	108	385
SJRCSSTG	160	51C
SJRCSTEP	64	191
SJRCSTRA	E4	25B
SJRCSTRS	DC	258
SJRCSUHT	58	130
SJRCSWAM	1EC	1F40
SJRCUSEH	170	5DC
SJRCUSEZ	174	5DD
SJRCVAOC	40	D3
SJRCWSPC	E0	259
SJRCZKEY	CC	206

SJREP Programming Interface information

Programming Interface information

SJREP

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

- SJREANBK
- SJREANCA
- SJRENREC

End of Programming Interface information

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SJREP Heading Information

Common Name: SJF Retrieve Parameter List
Macro ID: IEFSJREP
DSECT Name: SJREP
Owning Component: Scheduler JCL Facility (BB131)
Eye-Catcher ID: SJRE
Offset: 0
Length: 4
Storage Attributes: Key: Key of caller
Size: 48 bytes
Created by: Caller of SJFREQ REQUEST=RETRIEVE
Pointed to by: On entry to SJF, register 1 points to a word that points to SJREP.
Serialization: None
Function: Maps the input and output to the SJF Retrieve Routine

SJREP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SJREP	
0	(0)	CHARACTER	4	SJREID	IDENTIFIER 'SJRE'
4	(4)	BITSTRING	1	SJREVERS	VERSION NUMBER
5	(5)	BITSTRING	1	SJREFLAG	CONTROL FLAGS
		1...		SJRENREC	"X'80'" NO RECOVERY
		.1..		SJRENOCU	"X'40'" NO CLEANUP
6	(6)	SIGNED	2	SJRELEN	LENGTH OF PARAMETER LIST
8	(8)	SIGNED	4	SJRESTOR	LOCAL STORAGE POINTER OR ZERO
12	(C)	SIGNED	4	SJREREAS	REASON CODE
16	(10)	CHARACTER	8	SJREJDVT	NAME OF JDVT OR ZEROES
24	(18)	DBL WORD	8	SJRETOKN (0)	SWB CHAIN TOKEN
24	(18)	SIGNED	4	SJREANBK	ADDRESS OF CONTROL BLOCK FOR A JCL STATEMENT (JCT, SCT, SIOT OR SWB) OR THE ADDRESS OF A SWB CHAIN
28	(1C)	SIGNED	4	SJREANCA	ADDRESS OF A WORD POINTING TO A SWB CHAIN OR ZERO
32	(20)	SIGNED	4	SJREAREA	STORAGE AREA ADDRESS
36	(24)	SIGNED	2	SJRESIZE	SIZE OF STORAGE AREA
38	(26)	SIGNED	2	SJRENKWD	NUMBER OF KEYWORDS PASSED
40	(28)	SIGNED	4	SJREKWDL	KEYWORD LIST ADDRESS
44	(2C)	SIGNED	4	SJREKERR	ADDRESS OF KEYWORD CAUSING ERROR
44	(2C)	X'30'	0	SJRELGTH	"*-SJREP" LENGTH OF THE SJF RETRIEVE PARAMETER LIST
44	(2C)	X'1'	0	SJRECVER	"01" CURRENT VERSION NUMBER

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SJRELIST	KEYWORD LIST
0	(0)	CHARACTER	8	SJREKEYW	KEYWORD FOR RETRIEVE
8	(8)	SIGNED	4	SJRETPAD	ADDRESS OF A LIST OF TEXT UNIT POINTERS
8	(8)	X'C'	0	SJREKLEN	"*-SJRELIST" LENGTH OF ONE KEYWORD LIST ENTRY

SJREP Cross Reference

Name	Hex Offset	Hex Value
SJREANBK	18	
SJREANCA	1C	
SJREAREA	20	
SJRECVER	2C	1
SJREFLAG	5	
SJREID	0	
SJREJDVT	10	
SJREKERR	2C	
SJREKEYW	0	
SJREKLEN	8	C
SJREKWDL	28	
SJRELEN	6	
SJRELGTH	2C	30
SJRELIST	0	
SJRENKWD	26	
SJRENOCU	5	40
SJRENREC	5	80
SJREP	0	
SJREREAS	C	
SJRESIZE	24	
SJRESTOR	8	
SJRETOKN	18	
SJRETPAD	8	
SJREVERS	4	

SJRSP Heading Information

Common Name: SCHEDULER JCL FACILITY RETURN SWB PARAMETER LIST
Macro ID: IEFSJRSP
DSECT Name: SJRSP
Owning Component: Scheduler JCL facility (BB131)
Eye-Catcher ID: SJRS
Offset: 0
Length: 4
Storage Attributes: Subpool: Any
Key: caller's key
Residency: Any
Size: 24 (decimal)
Created by: Caller of SJFREQ REQUEST=RETURNSWB
Pointed to by: On entry to SJF, register 1 points to a word that points to SJRSP
Serialization: None
Function: Maps the input to the SJF return SWB routine.

SJRSP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	24	SJRSP	RETURN SWB PARAMETER LIST
0	(0)	CHARACTER	4	SJRSID	IDENTIFIER 'SJRS'
4	(4)	UNSIGNED	1	SJRSVERS	VERSION NUMBER
5	(5)	BITSTRING	1	SJRSFLAG	CONTROL FLAGS
		1...		SJRSNREC	NO RECOVERY
		.1..		SJRSNOCU	NO CLEANUP
		..11 1111		*	RESERVED
6	(6)	SIGNED	2	SJRSLEN	LENGTH OF PARAMETER LIST
8	(8)	ADDRESS	4	SJRSSTOR	LOCAL STORAGE POINTER OR ZERO
12	(C)	SIGNED	4	SJRSREAS	REASON CODE
16	(10)	CHARACTER	8	SJRSTOKN	SWB STRUCTURE TOKEN
24	(18)	CHARACTER	0	*	WORD ALIGNMENT

SJRSP Constants

Len	Type	Value	Name	Description
Comment				
ADDITIONAL DATA NEEDED FOR RETURN SWB PARAMETER LIST				
End of Comment				
4	CHARACTER	SJRS	SJRSCID	IDENTIFIER
1	DECIMAL	1	SJRSCVER	CURRENT VERSION NUMBER

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SJRSP Cross Reference

Name	Hex Offset	Hex Value
SJRSFLAG	5	
SJRSID	0	
SJRSLEN	6	
SJRSNOCU	5	40
SJRSNREC	5	80
SJRSP	0	
SJRSREAS	C	
SJRSSTOR	8	
SJRSTOKN	10	
SJRSVERS	4	

SJRUP Heading Information

Common Name: Scheduler JCL Facility Update Parameter List
Macro ID: IEFSJRUP
DSECT Name: SJRUP
Owning Component: Scheduler JCL Facility (BB131)
Eye-Catcher ID: SJRU
Offset: 0
Length: 4
Storage Attributes: Subpool: Caller's
Key: Caller's
Size: 60 bytes
Created by: Caller
Pointed to by: Caller sets up Register 1 pointing to a word which points to SJRUP.
Serialization: None
Function: Maps the input to the Scheduler JCL Facility Update routine.

SJRUP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	60	SJRUP	SJF UPDATE PARAMETER LIST
0	(0)	CHARACTER	4	SJRUID	IDENTIFIER 'SJRU'
4	(4)	UNSIGNED	1	SJRUVERS	VERSION NUMBER
5	(5)	BITSTRING	1	SJRUFLAG	CONTROL FLAGS
		1...		SJRUNREC	NO RECOVERY
		.1..		SJRUNOCU	NO CLEANUP
		..11 1111		*	RESERVED
6	(6)	SIGNED	2	SJRULEN	LENGTH OF PARAMETER LIST
8	(8)	ADDRESS	4	SJRUSTOR	LOCAL STORAGE POINTER OR ZERO
12	(C)	SIGNED	4	SJRUREAS	REASON CODE
16	(10)	SIGNED	4	SJRUINPT	POINTER TO THE LIST OF TEXT POINTERS
20	(14)	CHARACTER	8	SJRUJDVT	NAME OF JDVT OR ZEROES
28	(1C)	CHARACTER	8	SJRUVERB	VERB
36	(24)	CHARACTER	8	SJRULABL	LABEL
44	(2C)	CHARACTER	8	SJRUTOKN	SWB CHAIN TOKEN
44	(2C)	CHARACTER	4	SJRUANBK	ADDRESS OF CONTROL BLOCK FOR A JCL STATEMENT (JCT, SCT, SIOT OR SWB) OR THE ADDRESS OF A SWB CHAIN
48	(30)	ADDRESS	4	SJRUANCA	ADDRESS OF A WORD POINTING TO A SWB CHAIN OR ZERO
52	(34)	BITSTRING	1	SJRUFUNC	FLAG FIELD
		1...		SJRUSYST	SYSTEM INPUT
		.1..		SJRUNSWA	REQUEST FOR A NON SWA SWB
		..1.		SJRUVERF	VERIFICATION ONLY
		...1		SJRUNREF	DO NOT CHECK REFERENCES
		.... 1...		SJRUCONT	CONTINUATION TEXT UNIT
		.... .1..		SJRUJRNL	JOURNALING REQUESTED
		.... ..1.		SJRUWARN	CONTINUE PROCESSING AFTER AN ERROR WHICH IS DUE TO CHANGES IN THE JDTS FROM RELEASE TO RELEASE IS ENCOUNTERED
		1		SJRUDYNS	DYNAMIC SWB TO BE CREATED. THIS BIT INDICATES THAT IF SWBS ARE BUILT THEY SHOULD BE MARKED DYNAMICALLY CREATED
53	(35)	UNSIGNED	1	SJRUPARM	NUMBER OF PARAMETERS ALREADY PROCESSED IN THE FIRST TEXT UNIT
54	(36)	CHARACTER	2	SJRUERRK	KEY IN ERROR
56	(38)	CHARACTER	0	SJRUV1ND	END OF VERSION 1 PARMLIST

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Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
56	(38)	BITSTRING	1	SJRUFNC2	FLAG FIELD
		1...		SJRUOSER	SERIALIZATION ON SWB USE COUNT IS NOT REQUIRED
		.1..		SJRUONEU	A ONE USE SWB CHAIN IS TO BE CREATED
		..1.		SJRUMODI	Caller requests that text units be updated if parameter validation results in in modification of parameter data
		...1		SJRUCONV	Caller requests that text unit value be converted
		.... 111.		*	Reserved
		1		SJRUMODT	Caller's data was modified as part of validation (output)@L5A
57	(39)	CHARACTER	3	SJRUSVA	SVA TO BE REASSIGNED TO SWB (FOR SWA RELOCATOR)

SJRUP Constants

Len	Type	Value	Name	Description
4	CHARACTER	SJRU	SJRUCID	IDENTIFIER
1	DECIMAL	2	SJRUCVER	CURRENT VERSION NUMBER

SJRUP Cross Reference

Name	Hex Offset	Hex Value
SJRUANBK	2C	
SJRUANCA	30	
SJRUCONT	34	08
SJRUCONV	38	10
SJRUDYNS	34	01
SJRUERRK	36	
SJRUFLAG	5	
SJRUFNC2	38	
SJRUFUNC	34	
SJRUID	0	
SJRUINPT	10	
SJRUJDVT	14	
SJRUJRNL	34	04
SJRULABL	24	
SJRULEN	6	
SJRUMODI	38	20
SJRUMODT	38	01
SJRUNOCU	5	40
SJRUNREC	5	80
SJRUNREF	34	10
SJRUNSWA	34	40
SJRUONEU	38	40
SJRUOSER	38	80
SJRUP	0	
SJRUPARM	35	
SJRUREAS	C	
SJRUSTOR	8	
SJRUSVA	39	
SJRUSYST	34	80
SJRUTOKN	2C	
SJRUVERB	1C	
SJRUVERF	34	20
SJRUVERS	4	
SJRUV1ND	38	
SJRUWARN	34	02

SJSCP Heading Information

Common Name: SCHEDULER JCL FACILITY SCAN SWB CHAIN PARAMETER LIST
Macro ID: IEFSJSCP
DSECT Name: SJSCP
Owning Component: Scheduler JCL facility (BB131)
Eye-Catcher ID: SJSC
Offset: 0
Length: 4
Storage Attributes: Subpool: Any
Key: Caller's key
Residency: Any
Size: 54 (decimal)
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: Mapping for the Scheduler JCL facility scan SWB chain parameter list.

SJSCP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	58	SJSCP	Scan SWB parameter list
0	(0)	CHARACTER	4	SJSCID	Identifier 'SJSC'
4	(4)	UNSIGNED	1	SJSCVERS	Version number
5	(5)	BITSTRING	1	SJSCFLAG	Control flag byte
		1...		SJSCNREC	No recovery
		.1..		SJSCNOCU	No cleanup
		..11 1111		*	Reserved
6	(6)	SIGNED	2	SJSCLEN	Length of parameter list
8	(8)	ADDRESS	4	SJSCSTOR	Local storage pointer or zero
12	(C)	SIGNED	4	SJSCREAS	Reason code
16	(10)	BITSTRING	1	SJSCFLG2	Flag byte
		1...		SJSCNEXT	Scan next SWB processing
		.1..		SJSCOSER	Serialization on SWB use count is not to be obtained, if flag is on
		..1.		SJSCRSWB	If on, indicates that RETURN SWB is to be issued for input token passed
		...1 1111		*	Reserved for IBM use
17	(11)	CHARACTER	3	SJSCRSV1	Reserved for IBM use
20	(14)	CHARACTER	8	SJSCTOKN	SWB chain token
28	(1C)	CHARACTER	8	SJSCJDVT	JDVT name
36	(24)	CHARACTER	8	SJSCVERB	Verb name
44	(2C)	UNSIGNED	2	SJSCKEY	Key number
46	(2E)	UNSIGNED	1	SJSCPARM	Parameter number
47	(2F)	CHARACTER	1	SJSCRSV3	Reserved for IBM use
48	(30)	ADDRESS	4	SJSCVAL	Address of an area containing the value to be scanned for
52	(34)	UNSIGNED	2	SJSCVLEN	Length of the value field referenced by SJSCVAL
54	(36)	CHARACTER	4	SJSCRSV2	Reserved for IBM use

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SJSCP Constants

Len	Type	Value		Name	Description
Comment					
Additional data needed for parameter list					
End of Comment					
4	CHARACTER	SJSC		SJSCCID	Parameter list identifier
1	DECIMAL		1	SJSCCVER	Version number

SJSCP Cross Reference

Name	Hex Offset	Hex Value
SJSCFLAG	5	
SJSCFLG2	10	
SJSCID	0	
SJSCJDVT	1C	
SJSCKEY	2C	
SJSCLEN	6	
SJSCNEXT	10	80
SJSCNOCU	5	40
SJSCNREC	5	80
SJSCOSER	10	40
SJSCP	0	
SJSCPARM	2E	
SJSCREAS	C	
SJSCRSV1	11	
SJSCRSV2	36	
SJSCRSV3	2F	
SJSCRSWB	10	20
SJSCSTOR	8	
SJSCTOKN	14	
SJSCVAL	30	
SJSCVERB	24	
SJSCVERS	4	
SJSCVLEN	34	

SJSMP Heading Information

Common Name: Scheduler JCL Facility SWBTU_MERGE Parameter List
Macro ID: IEFSJSMP
DSECT Name: N/A
Owning Component: BB131 (SJF)
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: Invoker of SJFREQ REQUEST=SWBTU_MERGE service
Pointed to by: A pointer field which is pointed to by register 1 for entry into SJFREQ service.
Serialization: None
Function: Maps the input/output parameter list to the SJF SWBTU_MERGE service

SJSMP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SJSMP	SWBTU_MERGE Parameter List
0	(0)	CHARACTER	4	SJSMID	Identifier 'SJSM'
4	(4)	BITSTRING	1	SJSMVERS	Version number
5	(5)	BITSTRING	1	SJSMFLAG	Control Flag
		1...		SJSMNREC	"X'80'" No recovery
		.1..		SJSMNOCU	"X'40'" No cleanup
6	(6)	SIGNED	2	SJSMLEN	Length of SJSMP parameter list, does not include areas pointed to by this segment.
8	(8)	ADDRESS	4	SJSMSTOR	Local storage pointer (returned from previous SJF call) or zero. If SJSMNOCU is specified, then returned as output.
12	(C)	SIGNED	4	SJSMREAS	Reason code (returned as output)
16	(10)	ADDRESS	4	SJSMAREA	Address of output area for returned single SWBTU
20	(14)	SIGNED	2	SJSMSIZE	Size of single SWBTU return area
22	(16)	SIGNED	2	SJSMSWBN	Number of base SWBTUs or zero - refer to SJSMSBTL
24	(18)	ADDRESS	4	SJSMSWBA	Address of base SWBTU pointer list - refer to SJSMSBTL
28	(1C)	ADDRESS	4	SJSMMTUP	Address of pointer list of override (modify) SWBTUs or zero - refer to SJSMSBTL
32	(20)	SIGNED	2	SJSMMTUN	Number of override SWBTUs or zero - refer to SJSMSBTL
34	(22)	SIGNED	2	SJSMETUS	Size of erase text unit list or zero
36	(24)	ADDRESS	4	SJSMETUP	Address of area containing contiguous text units (key and zero number of parameters) to be erased from the base SWBTUs - refer to IEFDOTUM
40	(28)	CHARACTER	8	SJSMJDVT	Name of JDVT used to create the SWBTUs - also returned as output
48	(30)	BITSTRING	1	SJSMFLG2	Options flag
		1...		SJSMWARN	"X'80'" Continue processing after an error is encountered which is due to changes in the JDTs between releases
		.1..		SJSMBYMV	"X'40'" Bypass JDT validation of text units in modify SWBTU
		..1.		SJSMBYEV	"X'20'" Bypass JDT validation of keys in erase key list
49	(31)	CHARACTER	1	SJSMRSV1	Reserved

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SJSMP Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
50	(32)	SIGNED	2	SJSMTULN	Size of returned single output SWBTU (returned)
52	(34)	SIGNED	4	SJSMRETC	Unexpected return code of a service used in SWBTU_MERGE. Set when SJSMREAS is in range 1950 through 1999.
56	(38)	SIGNED	4	SJSMERRS	Reason code returned along with unexpected return code in SJSMRETC. Set when SJSMREAS is in range 1950 through 1999. For a Getmain or Freemain error, then this field indicated the relative number of the request (for service).
60	(3C)	ADDRESS	4	SJSMERRP	Address of SWBTU pointer list entry where a SWBTU error was encountered
64	(40)	BITSTRING	2	SJSMMKER	Key of modify SWBTU text unit where a JDT validation error occurred
66	(42)	BITSTRING	2	SJSMEKER	Key of erase key list where a JDT validation error occurred
68	(44)	CHARACTER	4	SJSMRSV2	Reserved
68	(44)	X'48'	0	SJSMLGTH	"*-SJSMP" Length of the SWBTU_MERGE Parameter List
68	(44)	X'D1E2D4'	0	SJSMCID	"C'SJSM'" Parameter list identifier
68	(44)	X'1'	0	SJSMCVER	"1" Current version number

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SJSMSBTL	SWBTU Address list
0	(0)	SIGNED	4	(0)	
0	(0)	ADDRESS	4	SJSMSTUP	SWBTU address
0	(0)	X'4'	0	SJSMSLEN	"*-SJSMSBTL" Length of one SWBTU address list entry

SJSMP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SJSMAREA	10		SJSMVERS	4	
SJSMBYEV	30	20	SJSMWARN	30	80
SJSMBYMV	30	40			
SJSMCID	44	D1E2D4			
SJSMCVER	44	1			
SJSMEKER	42				
SJSMERRP	3C				
SJSMERRS	38				
SJSMETUP	24				
SJSMETUS	22				
SJSMFLAG	5				
SJSMFLG2	30				
SJSMID	0				
SJSMJDVT	28				
SJSMLEN	6				
SJSMLGTH	44	48			
SJSMMKER	40				
SJSMMTUN	20				
SJSMMTUP	1C				
SJSMNOCU	5	40			
SJSMNREC	5	80			
SJSMP	0				
SJSMREAS	C				
SJSMRETC	34				
SJSMRSV1	31				
SJSMRSV2	44				
SJSMSBTL	0				
SJSMSIZE	14				
SJSMSLEN	0	4			
SJSMSTOR	8				
SJSMSTUP	0				
SJSMSWBA	18				
SJSMSWBN	16				
SJSMTULN	32				

SJTRC Programming Interface information

Programming Interface information

SJTRC

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

- SJTRCWSE
- SJTRSWID

End of Programming Interface information

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SJTRC Heading Information

Common Name: Scheduler JCL Facility (SJF) SWBTUREQ Services Return and Reason Codes
Macro ID: IEFSJTRC
DSECT Name: n/a
Owning Component: Scheduler JCL Facility (BB131)
Eye-Catcher ID: none
Storage Attributes: Virtual Storage: included in module's dynamic area
Size: n/a
Created by: n/a
Pointed to by: n/a
Serialization: None
Function: This macro defines the return and reason codes for the services of the SWBTUREQ macro facility.

SJTRC Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	X'0'	0	SJTRCNRM	"0" X'00' - processing successful
0	(0)	X'4'	0	SJTRCSIZ	"4" X'04' - not enough storage or no requested items found
0	(0)	X'8'	0	SJTRCPRM	"8" X'08' - parameter error
0	(0)	X'C'	0	SJTRCSPE	"12" X'0C' - severe parameter list error
				Comment	
				EQU 16 X'10' - not used	
				End of Comment	
0	(0)	X'14'	0	SJTRCABN	"20" X'14' - logical error detected
0	(0)	X'18'	0	SJTRCSNA	"24" X'18' - SWBTUREQ services not initialized
				Comment	
				SWBTUREQ COMMON REASON CODES	
				End of Comment	
0	(0)	X'0'	0	SJTRCOK	"0" X'000' - processing successful
0	(0)	X'4'	0	SJTRWSZR	"4" X'004' - more working storage required, refer to working storage size field that is returned.
0	(0)	X'8'	0	SJTRDSZR	"8" X'008' - more storage required for output area, refer to output area size field that is returned.
0	(0)	X'14'	0	SJTRCIDE	"20" X'014' - input parameter list id error
0	(0)	X'15'	0	SJTRCLEN	"21" X'015' - input parameter list length error
0	(0)	X'16'	0	SJTRCVRE	"22" X'016' - input parameter list version number error
0	(0)	X'17'	0	SJTRCFNC	"23" X'017' - unknown function code request
0	(0)	X'18'	0	SJTRCNST	"24" X'018' - at least one SWBTU is required on input
0	(0)	X'19'	0	SJTRCIST	"25" X'019' - SWBTU prefix id not valid
0	(0)	X'1A'	0	SJTRLENP	"26" X'01A' - Storage to be moved is invalid - DOCNTLEN field contains a negative value
				Comment	
				SWBTUREQ RETRIEVE AND SPLICE COMMON REASON CODES	
				End of Comment	
0	(0)	X'28'	0	SJTRCVLE	"40" X'028' - verbs and/or labels do not match for SWBTUs
0	(0)	X'29'	0	SJTRCARE	"41" X'029' - invalid combination of SJTCAREA and SJTCSIZE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
			Comment		
		SWBTUREQ SPLICE AND SPLIT COMMON REASON CODES			
			End of Comment		
0	(0)	X'3C'	0	SJTRCWSE	"60" X'03C' - working storage invalid for subsequent request
			Comment		
		SWBTUREQ RETRIEVE REASON CODES			
			End of Comment		
0	(0)	X'64'	0	SJTRNOKY	"100" X'064' - no keys in the input key list were found in the SWBTUs
0	(0)	X'65'	0	SJTRCNKY	"101" X'065' - a key list entry, SJTRKYID, has no key specified
0	(0)	X'66'	0	SJTRCEKY	"102" X'066' - cannot reference SJTRKEYL, SJTRKIDL or SJTRKIDN error
			Comment		
		SWBTUREQ SPLICE REASON CODES SWBTUREQ SPLIT REASON CODES			
			End of Comment		
0	(0)	X'12C'	0	SJTRSWID	"300" X'12C' - Invalid address/length on list of output SWBTUs

SJTRC Cross Reference

Name	Hex Offset	Hex Value
SJTRCABN	0	14
SJTRCARE	0	29
SJTRCEKY	0	66
SJTRCFNC	0	17
SJTRCIDE	0	14
SJTRCIST	0	19
SJTRCLEN	0	15
SJTRCNKY	0	65
SJTRCNRM	0	0
SJTRCNST	0	18
SJTRCOK	0	0
SJTRCPRM	0	8
SJTRCSIZ	0	4
SJTRCSNA	0	18
SJTRCSPE	0	C
SJTRCVLE	0	28
SJTRCVRE	0	16
SJTRCWSE	0	3C
SJTRDSZR	0	8
SJTRLENP	0	1A
SJTRNOKY	0	64
SJTRSWID	0	12C
SJTRWSZR	0	4

SJTRP Heading Information

Common Name: Scheduler JCL Facility SWBTUREQ RETRIEVE Parameter List
Macro ID: IEFSJTRP
DSECT Name: N/A
Owning Component: BB131 (SJF)
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: Invoker of SWBTUREQ REQUEST=RETRIEVE service
Pointed to by: A pointer field which is pointed to by
register 1 for entry into SWBTUREQ service.
Serialization: None
Function: Maps the input/output parameter list to the
SJF Text Unit Retrieve Service
(SWBTUREQ REQUEST=RETRIEVE)

SJTRP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SJTRP	
0	(0)	CHARACTER	4	SJTRID	Identifier 'SJTR'
4	(4)	BITSTRING	1	SJTRVERS	Version number
5	(5)	BITSTRING	1	SJTRFLAG	Reserved
6	(6)	SIGNED	2	SJTRLEN	Length of SJTRP parameter list
8	(8)	ADDRESS	4	SJTRSTOR	Local storage pointer
12	(C)	SIGNED	2	SJTRSTSZ	Local storage size
14	(E)	SIGNED	2	SJTRSWBN	Number of SWBTU pointers in SWBTU address list - refer to SJTRSBTL
16	(10)	ADDRESS	4	SJTRSWBA	Address of SWBTU address list - refer to SJTRSBTL *
Comment					
The following fields are returned as output					
End of Comment					
20	(14)	SIGNED	4	SJTRREAS	Reason code
24	(18)	SIGNED	2	SJTRWKSZ	Working storage size required
26	(1A)	SIGNED	2	SJTRTULN	Area size for all matched text units. This value is filled in whether or not enough output area storage was provided
28	(1C)	ADDRESS	4	SJTRERRP	Address of key list entry or SWBTU pointer list entry where an error was encountered
32	(20)	SIGNED	4	SJTRRSVO	Reserved

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SJTRP Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
Comment					
End of commonly mapped area. The following fields are provided on input					
End of Comment					
36	(24)	ADDRESS	4	SJTRAREA	Text unit output area address. This area will contain the contiguous text unit strings based on the order of the requested keys
40	(28)	SIGNED	2	SJTRSIZE	Text unit output area size
42	(2A)	SIGNED	2	SJTRKIDN	Number of keys in key list - refer to SJTRKEYL
44	(2C)	ADDRESS	4	SJTRKIDL	Address of requested keys list - refer to SJTRKEYL
48	(30)	CHARACTER	4	SJTRRSVI	Reserved
48	(30)	X'34'	0	SJTRLGTH	"*-SJTRP" Length of the SWBTUREQ RETRIEVE Parameter list
48	(30)	X'D1E3D9'	0	SJTRCID	"C'SJTR'" Parameter list identifier
48	(30)	X'1'	0	SJTRCVER	"1" Current version number

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SJTRSBTL	SWBTU address list
0	(0)	SIGNED	4	(0)	
0	(0)	ADDRESS	4	SJTRSTUP	SWBTU address entry
4	(4)	SIGNED	4	SJTRSRSV	Reserved
4	(4)	X'8'	0	SJTRSLEN	"*-SJTRSBTL" Length of one SWBTU address entry

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SJTRKEYL	Key / TU pointer list
0	(0)	SIGNED	4	(0)	
0	(0)	BITSTRING	2	SJTRKYID	Key for retrieve
2	(2)	SIGNED	2		Reserved
4	(4)	ADDRESS	4	SJTRTPAD	Address of this key's text unit in the text unit list output area pointed to by SJTRAREA
4	(4)	X'8'	0	SJTRKLEN	"*-SJTRKEYL" Length of one Key / TU address entry

SJTRP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SJTRAREA	24		SJTRSRSV	4	
SJTRCID	30	D1E3D9	SJTRSTOR	8	
SJTRCVER	30	1	SJTRSTSZ	C	
SJTRERRP	1C		SJTRSTUP	0	
SJTRFLAG	5		SJTRSWBA	10	
SJTRID	0		SJTRSWBN	E	
SJTRKEYL	0		SJTRTPAD	4	
SJTRKIDL	2C		SJTRTULN	1A	
SJTRKIDN	2A		SJTRVERS	4	
SJTRKLEN	4	8	SJTRWKSZ	18	
SJTRKYID	0				
SJTRLEN	6				
SJTRLGTH	30	34			
SJTRP	0				
SJTRREAS	14				
SJTRRSVI	30				
SJTRRSVO	20				
SJTRSBTL	0				
SJTRSIZE	28				
SJTRSLEN	4	8			

SJTSP Heading Information

Common Name: Scheduler JCL Facility SWBTUREQ SPLICE and SPLIT Parameter List
Macro ID: IEFSJTSP
DSECT Name: N/A
Owning Component: BB131 (SJF)
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: Invoker of SWBTUREQ REQUEST=SPLICE/SPLIT service
Pointed to by: A pointer field which is pointed to by
register 1 for entry into SWBTUREQ service.
Serialization: None
Function: Maps the input/output parameter list to the
SJF Text Unit Splice and Split services
(SWBTUREQ REQUEST=SPLICE)
(SWBTUREQ REQUEST=SPLIT)

SJTSP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	48	SJTSP	SWBTUREQ SPLICE/SPLIT parameter list
0	(0)	CHARACTER	4	SJTSID	Identifier 'SJTS'
4	(4)	UNSIGNED	1	SJTSVERS	Version number
5	(5)	BITSTRING	1	SJTSFLAG	Reserved
6	(6)	SIGNED	2	SJTSLEN	Length of SJTSP parameter list
8	(8)	ADDRESS	4	SJTSSTOR	Local storage pointer
12	(C)	SIGNED	2	SJTSSTSZ	Local storage size
14	(E)	SIGNED	2	SJTSSWBN	Number of SWBTU pointers in SWBTU address list - area mapped by SJTSSBTL
16	(10)	ADDRESS	4	SJTSSWBA	Address of SWBTU address list - area mapped by SJTSSBTL
Comment					
The following fields are returned as output					
End of Comment					
20	(14)	SIGNED	4	SJTSREAS	Reason code
24	(18)	SIGNED	2	SJTSWKSZ	Working storage size required
26	(1A)	SIGNED	2	SJTSTULN	SPLICE request - area size required to splice all SWBTUs provided or actual size when splicing is completed. For SPLIT: specifies a single block size that would be required to split the remainder of the single input SWBTU.
28	(1C)	ADDRESS	4	SJTSERRP	Address of SWBTU address list entry where an error was encountered
32	(20)	SIGNED	4	SJTSRSVO	Reserved

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Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					End of commonly mapped area. The following fields are provided on input
					End of Comment
36	(24)	ADDRESS	4	SJTSAREA	Address of single SWBTU area. Splice request - resulting SWBTU will be placed in this area. Split request - single SWBTU to be split up.
40	(28)	SIGNED	2	SJTSSIZE	Size of single SWBTU area, required only on SPLICE request
42	(2A)	BITSTRING	1	SJTSFLG1	Service request flag
		1...		SJTSUBSQ	Subsequent request
		.111 1111		*	Reserved
43	(2B)	CHARACTER	5	SJTSRSVI	Reserved

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	8	SJTSSBTL (*)	SWBTU Address / Length list
0	(0)	ADDRESS	4	SJTSSTUP	SWBTU address
					Comment
					The following two fields are only used by the SPLIT service
					End of Comment
4	(4)	SIGNED	2	SJTSSBLN	Length of this output SWBTU area
6	(6)	SIGNED	2	SJTSSBRL	Length of SWBTU area returned by the service.

SJTSP Constants

Len	Type	Value	Name	Description
4	CHARACTER	SJTS	SJTSCID	Parameter list identifier
1	DECIMAL	1	SJTSCVER	Current version number

SJTSP Cross Reference

Name	Hex Offset	Hex Value
SJTSAREA	24	
SJTSERRP	1C	
SJTSFLAG	5	
SJTSFLG1	2A	
SJTSID	0	
SJTSLEN	6	
SJTSP	0	
SJTSREAS	14	
SJTSRSVI	2B	
SJTSRSVO	20	
SJTSSBLN	4	
SJTSSBRL	6	
SJTSSBTL	0	
SJTSSIZE	28	
SJTSSTOR	8	
SJTSSTSZ	C	
SJTSSTUP	0	
SJTSSWBA	10	
SJTSSWBN	E	
SJTSTULN	1A	
SJTSUBSQ	2A	80
SJTSVERS	4	
SJTSWKSZ	18	

SJVEP Programming Interface information

Programming Interface information

SJVEP

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

- SJVENREC

End of Programming Interface information

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SJVEP Heading Information

Common Name: SJF VERIFY Parameter List
Macro ID: IEFSJVEP
DSECT Name: SJVEP
Owning Component: Scheduler JCL Facility (BB131)
Eye-Catcher ID: SJVE
Offset: 0
Length: 4
Storage Attributes: Key: Key of caller for unauthorized callers, key 1 for authorized callers.
Size: 344 bytes
Created by: Caller of SJFREQ REQUEST=VERIFY
Pointed to by: On entry to SJF, register 1 points to a word that points to SJVEP
Serialization: None
Function: Maps the input and output to the SJF Verify Routine

SJVEP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SJVEP	SJF VERIFY PARAMETER LIST
0	(0)	CHARACTER	4	SJVEID	IDENTIFIER 'SJVE'
4	(4)	BITSTRING	1	SJVEVERS	VERSION NUMBER
5	(5)	BITSTRING	1	SJVEFLAG	FUNCTION FLAGS
		1...		SJVENREC	"X'80'" NO RECOVERY
		.1..		SJVENOCU	"X'40'" NO CLEANUP
		..1.		SJVEUNAU	"X'20'" UNAUTHORIZED CALLER
6	(6)	SIGNED	2	SJVELEN	LENGTH OF PARAMETER LIST
8	(8)	SIGNED	4	SJVESTOR	LOCAL STORAGE POINTER OR ZERO
12	(C)	SIGNED	4	SJVEREAS	REASON CODE (RETURNED)
16	(10)	CHARACTER	8	SJVEJDVT	NAME OF JDVT OR ZEROES
24	(18)	CHARACTER	8	SJVECMND	COMMAND
32	(20)	SIGNED	4	SJVEOPEP	POINTER TO OPERAND
36	(24)	SIGNED	2	SJVEOPEL	LENGTH OF OPERAND
38	(26)	BITSTRING	1	SJVEPARM	SUBPARAMETER NUMBER
39	(27)	BITSTRING	1	SJVESUBL	SUBLIST ELEMENT NUMBER
40	(28)	SIGNED	4	SJVEPRMP	POINTER TO SUBPARAMETER DATA
44	(2C)	SIGNED	2	SJVEPRML	LENGTH OF SUBPARAMETER DATA
46	(2E)	SIGNED	2	SJVETUBL	LENGTH OF TEXT UNIT BUFFER
48	(30)	SIGNED	4	SJVETUBP	POINTER TO TEXT UNIT BUFFER
52	(34)	BITSTRING	1	SJVEFLG1	VERIFY OPTION FLAGS
		1...		SJVELSTC	"X'80'" LAST CALL TO VERIFY FLAG
		.1..		SJVEQUOT	"X'40'" SUBPARAMETER WAS PASSED TO TSO IN QUOTES
		..1.		SJVERSBS	"X'20'" CALLER IS REQUESTING THAT SJVETUBS BE RETURNED
53	(35)	CHARACTER	1	SJVERSV1	RESERVED
54	(36)	SIGNED	2	SJVETUBS	AMOUNT OF STORAGE USED IN OUTPUT TEXT UNIT BUFFER
56	(38)	SIGNED	4	SJVETUPL	POINTER TO TEXT UNIT POINTER LIST (RETURNED)
60	(3C)	CHARACTER	64	SJVEOPD	OPERAND DESCRIPTION (RETURNED)
124	(7C)	SIGNED	2	SJVEOPDL	LENGTH OF OPERAND DESCRIPTION (RETURNED)
126	(7E)	SIGNED	2	SJVEMSGL	LENGTH OF MESSAGE INFORMATION (RETURNED)
128	(80)	CHARACTER	200	SJVEMSG	MESSAGE INFORMATION (RETURNED)
328	(148)	CHARACTER	8	SJVEPRFX	PREFIX FOR UNQUALIFIED DSN
336	(150)	CHARACTER	8	SJVERSV2	RESERVED
344	(158)	SIGNED	4	SJVEEND (0)	END OF THE SJF VERIFY PARAMETER LIST
344	(158)	X'158'	0	SJVELGTH	"SJVEEND-SJVEP" LENGTH OF THE SJF VERIFY PARAMETER LIST
344	(158)	X'2'	0	SJVECVER	"02" CURRENT VERSION NUMBER

SJVEP Cross Reference

Name	Hex Offset	Hex Value
SJVECMND	18	
SJVECVER	158	2
SJVEEND	158	
SJVEFLAG	5	
SJVEFLG1	34	
SJVEID	0	
SJVEJDVT	10	
SJVELEN	6	
SJVELGTH	158	158
SJVELSTC	34	80
SJVEMSG	80	
SJVEMSGL	7E	
SJVENOCU	5	40
SJVENREC	5	80
SJVEOPD	3C	
SJVEOPDL	7C	
SJVEOPEL	24	
SJVEOPEP	20	
SJVEP	0	
SJVEPARM	26	
SJVEPRFX	148	
SJVEPRML	2C	
SJVEPRMP	28	
SJVEQUOT	34	40
SJVEREAS	C	
SJVERSBS	34	20
SJVERSV1	35	
SJVERSV2	150	
SJVESTOR	8	
SJVESUBL	27	
SJVETUBL	2E	
SJVETUBP	30	
SJVETUBS	36	
SJVETUPL	38	
SJVEUNAU	5	20
SJVEVERS	4	

SLFP Heading Information

Common Name: RTM SLIP FRR Parameter Area
Macro ID: IHASLFP
DSECT Name: SLFP
Owning Component: SLIP (SCSLP)
Eye-Catcher ID: None
Storage Attributes: Subpool: 239
Key: 0
Residency: ANY
Size: 24 bytes
Created by: IEAVTSLP
Pointed to by: None
Serialization: None
Function: FRR parameter area used by the SLIP action processor.

SLFP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	24	SLFP	
0	(0)	CHARACTER	7	SLFPFLGS	ERROR RECOVERY AUDIT TRAIL FLAGS
0	(0)	BITSTRING	1	SLFPFLG1	
		1...		SLFPRTS	RTS ENVIRONMENT
		.1..		SLFPRT2	RT2 ENVIRONMENT
		..1.		SLFPPER	PER ENVIRONMENT
		...1		SLFPRTM	RTM ENVIRONMENT
		.... 1...		SLFPSM	SYSTEM MASK MUST BE RESTORED
		.... .1..		SLFPRST	RESTART LOCKWORD MUST BE RELEASED
		.... ..1.		SLFPVAL	SLIP FRR PARAMETER AREA COMPLETE
		1		SLFPFRR	THE FRR IS IN CONTROL
1	(1)	BITSTRING	1	SLFPFLG2	MATCH ROUTINE IN CONTROL
2	(2)	BITSTRING	1	SLFPFLG3	
		1...		SLFPCHDU	CHNGDUMP ROUTINE IS IN CONTROL
		.1..		SLFPDU	DUMPIT ROUTINE IS IN CONTROL
		..1.		SLFPDETR	DETRMODE ROUTINE IS IN CONTROL
		...1		SLFPADR	IEAVTADR IS IN CONTROL
		.... 1...		SLFPFPR	FLOATING POINT REGISTER MUST BE RESTORED
		.... .1..		SLFPSDLK	FOR DUMPIT SUBROUTINE, INDICATES THE SDUMP 4K BUFFER HAS BEEN LOCKED
		.... ..1.		SLFPMTCH	MATCHING SLIP TRAP HAS BEEN FOUND
		1		SLFPLOCK	LOCAL LOCK IS HELD
3	(3)	BITSTRING	1	SLFPFLG4	
		11..		SLFPMAIN	CURRENT MAINLINE SLIP MODULE IN CONTROL
		..11		SLFPMRTN	CURRENT MATCH ROUTINE MODULE IN CONTROL
		.... 1...		SLFPSRTN	IEAVTSLS IS IN CONTROL
		.... .1..		SLFPMSG992OBTAINED	Msg IEA992I info area has been obtained
		11		*	RESERVED
4	(4)	BITSTRING	1	SLFPFLG5	
		1...		SLFPINST	INSTRUCTION CAUSING PER INTERRUPT IS BEING EXAMINED
		.1..		SLFPUDA	USER DATA IS BEING RETRIEVED
		..1.		SLFPSAEX	INSTRUCTION CAUSING PER INTERRUPT IS BEING EXAMINED IN ASIDSA SUBROUTINE
		...1		SLFPCMTS	CMSET SSARTO ISSUED IN IEAVTSLS
		.... 1...		SLFPCMD1	CMSET IN DSSA ROUTINE WITHIN IEAVTSL1
		.... .1..		SLFPCMT2	CMSET SSARTO ISSUED IN IEAVTSL2
		.... ..1.		SLFPCMP2	CMSET DONE IN PVTMOD SEGMENT IN IEAVTSL2
		1		SLFPCM2S	CMSET IN ASIDLST ROUTINE WITHIN IEAVTSLS

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Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
5	(5)	BITSTRING	1	SLFPFLG6	RECOVERY FLAGS
		1...		SLFPCMT1	CMSET IN ASIDSA ROUTINE WITHIN IEAVTSL1
		.1..		SLFPJC3	ASVT accessed without serialization in IEAVTSL3
		..1.		SLFPWALK	Wait area lock obtained
		...1		SLFPVALK	SCVA DUMP LOCK OBTAINED
		.... 1...		SLFPSVCD	SVCD ISSUED
		.... .1..		SLFPNRST	INTERRUPTED WORK WAS STOPPED AND NEEDS TO BE RESET
		.... ..1.		SLFPCPU	CPU LOCK OBTAINED FOR CALLING SERVICE
		1		SLFPCML	CML LOCK OBTAINED, ASCB ADDRESS IS IN SLWAPASC
6	(6)	BITSTRING	1	SLFPFLG7	Recovery flags
		1...		SLFPJCT	ASVT accessed without serialization in IEAVTSLT
		.1..		SLFPCMSETINSLDRANGE	Issued CMSET in IEAVTSLD for range keyword
		..1.		SLFPCMSETINSLDPVTMOD	Issued CMSET in IEAVTSLD for pvtmod keyword
		...1		SLFPASVTACCESSEDINSLD	Accessing Asvt without serialization in IEAVTSLD
		.... 1...		SLFPSCESERIALIZEDTWICE	Sce chain was serialized on (a second time)
		.... .1..		SLFPSLDINCONTROL	Indicates that we are in module IEAVTSLD
		.... ..1.		SLFPLOWCOREPROTECTIONREMOVED	Indicates that low core protection has been removed
		1		SLFPCMSETINSL3	Indicates we are issuing a CMSET SSARTO in IEAVTSL3
7	(7)	CHARACTER	1	*	RESERVED
8	(8)	ADDRESS	4	SLFPISTK	ADDRESS OF INTERRUPTED STACK THAT WAS CURRENT ON ENTRY TO IEAVTSLP
12	(C)	ADDRESS	4	SLFPLSTW	WORK AREA ADDR (PASSED IN SLPLLSTW)
16	(10)	ADDRESS	4	SLFPSCE	POINTER TO FIRST SCE THAT DOES NOT NEED THE USE COUNT DECREMENTED
20	(14)	ADDRESS	4	SLFPSA	POINTER TO SAVE AREA PASSED TO IEAVTSLP

SLFP Constants

Len	Type	Value	Name	Description
0	BIT	00	SLFPTSLP	IEAVTSLP IS IN CONTROL
0	BIT	01	SLFPTSLB	IEAVTSLB IS IN CONTROL
0	BIT	10	SLFPTSLE	IEAVTSLE IS IN CONTROL
0	BIT	00	SLFPMRNL	NO MATCH ROUTINE MODULE IS IN CONTROL
0	BIT	01	SLFPTSL1	IEAVTSL1 IS IN CONTROL
0	BIT	10	SLFPTSL2	IEAVTSL2 IS IN CONTROL
0	BIT	11	SLFPTSL3	IEAVTSL3 IS IN CONTROL

SLFP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SLFP	0		SLFPCMTS	4	10
SLFPADR	2	10	SLFPCMT1	5	80
SLFPASVTACCESSEDINSLD			SLFPCMT2	4	04
	6	10	SLFPCM2S	4	01
SLFPCHDU	2	80	SLFPCPU	5	02
SLFPCMD1	4	08	SLFPDETR	2	20
SLFPCML	5	01	SLFPDU	2	40
SLFPCMP2	4	02	SLFPFLGS	0	
SLFPCMSETINSLDPVTMOD			SLFPFLG1	0	
	6	20	SLFPFLG2	1	
SLFPCMSETINSLDRANGE			SLFPFLG3	2	
	6	40	SLFPFLG4	3	
SLFPCMSETINSL3			SLFPFLG5	4	
	6	01	SLFPFLG6	5	

Name	Hex Offset	Hex Value
SLFPFLG7	6	
SLFPFPR	2	08
SLFPFRR	0	01
SLFPINST	4	80
SLFPISTK	8	
SLFPJCT	6	80
SLFPJC3	5	40
SLFPLOCK	2	01
SLFPLOWCOREPROTECTIONREMOVED	6	02
SLFPLSTW	C	
SLFPMAIN	3	C0
SLFPMRTN	3	30
SLFPMSG992OBTAINED	3	04
SLFPMTCH	2	02
SLFPNRST	5	04
SLFPPER	0	20
SLFPRST	0	04
SLFPRTM	0	10
SLFPRTS	0	80
SLFPRT2	0	40
SLFPSA	14	
SLFPSAEX	4	20
SLFPSCE	10	
SLFPSCESERIALIZEDTWICE	6	08
SLFPSDLK	2	04
SLFPSLDINCONTROL	6	04
SLFPSM	0	08
SLFPSRTN	3	08
SLFPSVCD	5	08
SLFPUDA	4	40
SLFPVAL	0	02
SLFPVALK	5	10
SLFPWALK	5	20

SLPL Heading Information

Common Name: Slip Control Element
Macro ID: IHASLPL
DSECT Name: SLPL
Owning Component: SLIP (SCSLP)
Eye-Catcher ID: None
Storage Attributes: Subpool: 239 or 255
Key: 0
Residency: ANY
Size: 96 bytes
Created by: IEAVTRTM, IEAVTRTS, IEAVTRT2, IEAVTPER
Pointed to by: Register 1
Serialization: None
Function: The SLPL maps the SLIP parameter list used when a module calls IEAVTSLP. On entry to IEAVTSLP, this parameter list is pointed to by register one.

SLPL Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SLPL	
0	(0)	BITSTRING	1	SLPLENV	ENVIRONMENT CALLING IEAVTSLP
		1		SLPLERTS	"X'01'" IEAVTRTS ENVIRONMENT
		.... ..1.		SLPLERT2	"X'02'" IEAVTRT2 ENVIRONMENT
		11		SLPLERTM	"X'03'" IEAVTRTM ENVIRONMENT (MEMTERM)
		.... .1..		SLPLEPC	"X'04'" IEAVECP ENVIRONMENT (PER)
1	(1)	CHARACTER	2		RESERVED
3	(3)	BITSTRING	1	SLPLFLGS	FLAGS (RTM ONLY)
		11..		SLPLASC	"X'C0'" ADDRESS SPACE CONTROL BITS
		..1.		SLPLPGNL	"X'20'" PURGE-ONLY CALL FROM RTM2
4	(4)	ADDRESS	4	SLPLLSTW	WORK AREA TO COPY LIST FORM OF MACROS
8	(8)	ADDRESS	4	SLPLRTSF (0)	RTS ENV - RTS FRR STACK ADDRESS
8	(8)	ADDRESS	4	SLPLRT2W (0)	RT2 ENV - RTM2WA ADDRESS
8	(8)	ADDRESS	4	SLPLASCB	RTM ENV - ASCB BEING MEMTERMED
12	(C)	ADDRESS	4	SLPLMADR	RTM ENV - ADDR WHERE MEMTERM ISSUED
16	(10)	CHARACTER	72	SLPLWA	GENERAL WORK AREA FOR IEAVTSLP
88	(58)	CHARACTER	8	SLPLCRGS (0)	RTM ENV ONLY - CR3 & CR4 AT THE TIME MEMTERM WAS ISSUED
88	(58)	CHARACTER	4	SLPLCR3 (0)	CONTROL REGISTER 3
88	(58)	CHARACTER	2	SLPLKM	KEY MASK
90	(5A)	CHARACTER	2	SLPLSASD	SASID
92	(5C)	CHARACTER	4	SLPLCR4 (0)	CONTROL REGISTER 4
92	(5C)	CHARACTER	2	SLPLAX	AUTHORIZATION INDEX
94	(5E)	CHARACTER	2	SLPLPASD	PASID
16	(10)	SIGNED	4		RESERVED
20	(14)	ADDRESS	4	SLPLHIGH	TO COMPARE A RANGE...
24	(18)	ADDRESS	4	SLPLLOW	...OF ADDRESSES TO...
28	(1C)	ADDRESS	4	SLPLERR	...AN ERROR LOCATION
32	(20)	SIGNED	4	SLPLLKWD (0)	FOR BUILDING THE RESTART LOCKWORD
32	(20)	CHARACTER	2	SLPLLKCP	
34	(22)	CHARACTER	2	SLPLLKID	
36	(24)	CHARACTER	18	SLPLKWA	KEYWORD WORK AREA
54	(36)	SIGNED	2	SLPL412N (0)	WORK AREA FOR 412 MESSAGE COUNTER
54	(36)	CHARACTER	1		
55	(37)	SIGNED	1	SLPLXXXN	WORK AREA FOR SCEM992 COUNTER
56	(38)	ADDRESS	4	SLPLENDA	PTR TO END OF LIST OF ADDRESSES TO BE CONVERTED OR END OF SCVA
60	(3C)	ADDRESS	4	SLPLSCVA	SCVAPTR SAVE AREA

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SLPL Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
64	(40)	SIGNED	4	SLPLR141	GPR 14 SAVE AREA
68	(44)	SIGNED	4	SLPLR142	GPR 14 SAVE AREA

Comment

REDEFINITION OF SLPLHIGH, LOW, ERR, LKWD, AND KWA FOR
DEBUGGING INFORMATION WHEN EOL PUTS SYSTEM IN A WAIT STATE

End of Comment

20	(14)	CHARACTER	28	SLPLWWRK (0)	
20	(14)	CHARACTER	1	SLPLWTYP	ENTRY TYPE
21	(15)	CHARACTER	2	SLPLWCPU	LOGICAL CPU
23	(17)	CHARACTER	1	SLPLWSM	SAVE AREA FOR SYSTEM MASK
24	(18)	ADDRESS	4	SLPLWREG	PTR TO REGISTERS
28	(1C)	ADDRESS	4	SLPLWPSW	PTR TO PSW
32	(20)	ADDRESS	4	SLPLWVAR	RTM ENTRY - PTR TO ASCB BEING MEMTERMED RT2 ENTRY - PTR TO RTM2WA RTS ENTRY - PTR TO SDWA PER ENTRY - PTR TO PER CODE
36	(24)	ADDRESS	4	SLPLWCRS	PTR TO CONTROL REGS 3 & 4
40	(28)	ADDRESS	4	SLPLWARS	PTR TO ACCESS REGISTERS
44	(2C)	ADDRESS	4	SLPLWG64H	PTR TO G64H

SLPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SLPL	0		SLPLWREG	18	
SLPLASC	3	C0	SLPLWSM	17	
SLPLASCB	8		SLPLWTYP	14	
SLPLAX	5C		SLPLWVAR	20	
SLPLCRGS	58		SLPLWWRK	14	
SLPLCR3	58		SLPLXXXN	37	
SLPLCR4	5C		SLPL412N	36	
SLPLENDA	38				
SLPLENV	0				
SLPLEPC	0	4			
SLPLERR	1C				
SLPLERTM	0	3			
SLPLERTS	0	1			
SLPLERT2	0	2			
SLPLFLGS	3				
SLPLHIGH	14				
SLPLKM	58				
SLPLKWA	24				
SLPLLKCP	20				
SLPLLKID	22				
SLPLLKWD	20				
SLPLLOW	18				
SLPLLSTW	4				
SLPLMADR	C				
SLPLPASD	5E				
SLPLPGNL	3	20			
SLPLRTSF	8				
SLPLRT2W	8				
SLPLR141	40				
SLPLR142	44				
SLPLSASD	5A				
SLPLSCVA	3C				
SLPLWA	10				
SLPLWARS	28				
SLPLWCPU	15				
SLPLWCRS	24				
SLPLWG64H	2C				
SLPLWPSW	1C				

SLR Heading Information

Common Name: Subchannel Logout Record
Macro ID: IOSDSLR
DSECT Name: SLR
Owning Component: I/O Supervisor (SC1C3)
Size: 152 bytes
Created by: IOSRSLH
Serialization: None
Function: Contains logout diagnostic information for LOGREC that was collected by IOSRSLH.

SLR Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	152	SLR	
0	(0)	CHARACTER	24	SLRHEADR	LOGREC HEADER - See LRB mapping macro for field descriptions. Record type (first byte of record) will contain X'23'.
24	(18)	CHARACTER	128	SLRDATA	Record dependent data
24	(18)	CHARACTER	8	SLRJOBNM	JOBNAME from ASID initiating I/O request
32	(20)	CHARACTER	8	SLRLSCCW	Last executed CCW
40	(28)	CHARACTER	4	SLRDEVTP	Device type from UCB
44	(2C)	CHARACTER	8	SLRERPIB	ERPIB built by SLH for ERP
52	(34)	CHARACTER	64	SLRIRB	IRB
116	(74)	ADDRESS	4	SLRUCBA	UCB common address
120	(78)	CHARACTER	2	SLRDEVNO	Device number - Hex
122	(7A)	CHARACTER	6	SLRVOL	Volume serial number
128	(80)	CHARACTER	5	SLRCYLEV	UCB level byte and level mask
133	(85)	CHARACTER	1	*	Reserved
134	(86)	BITSTRING	1	SLRVPATH	ERP channel paths to be varied offline
135	(87)	UNSIGNED	1	SLRCHPID	Channel Path ID
136	(88)	SIGNED	4	SLRSID	Subchannel ID number
140	(8C)	ADDRESS	4	SLRSMADR	Absolute address passed to RSM on storage or key error detected by channel.
144	(90)	SIGNED	2	SLRSMRC	Return code from RSM for storage or key error.
146	(92)	SIGNED	2	SLRSMERR	Error type: 1 = storage error, 2 = key error
148	(94)	BITSTRING	4	SLRSMFLG	Status information returned by RSM

SLR Constants

Len	Type	Value	Name	Description
		Comment		
		DECLARES for SLR recording categories		
		End of Comment		
0	BIT	00	SLRINTC	Initialize field
0	BIT	01	SLRHARD	Hard recording
0	BIT	10	SLRDEGR	Degrade recording
0	BIT	11	SLRSOFT	Soft recording

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SLR Cross Reference

Name	Hex Offset	Hex Value
SLR	0	
SLRCHPID	87	
SLRCYLEV	80	
SLRDATA	18	
SLRDEVNO	78	
SLRDEVTP	28	
SLRERPIB	2C	
SLRHEADR	0	
SLRIRB	34	
SLRJOBNM	18	
SLRLSCCW	20	
SLRSID	88	
SLRSMADR	8C	
SLRSMERR	92	
SLRSMFLG	94	
SLRSMRC	90	
SLRUCBA	74	
SLRVOL	7A	
SLRVPATH	86	

SLWA Heading Information

Common Name: RTM SLIP Work Area
Macro ID: IHASLWA
DSECT Name: SLWA
Owning Component: SLIP (SCSLP)
Eye-Catcher ID: None
Storage Attributes: Subpool: 239 or 255
Key: 0
Residency: ANY
Size: Variable
Created by: IEAVTRTM, IEAVTRTS, IEAVTRT2, IEAVTPER
Pointed to by: SLPLLSTW
Serialization: None
Function: Work area used by the SLIP action processor.

SLWA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	736	SLWA	
0	(0)	CHARACTER	128	SLWANORM	NORMAL WORK AREA PROVIDED BY ALL CALLERS.
0	(0)	CHARACTER	96	SLWAGWA	GENERAL WORK AREA
0	(0)	CHARACTER	72	SLWAPLST	NORMALLY USED FOR COPYING LIST FORM MACROS
0	(0)	CHARACTER	4	SLWAFPC	Saved for short duration
72	(48)	CHARACTER	24	SLWAPLSTX	EXTENSION FOR SLWAPLST
96	(60)	CHARACTER	32	SLWACWA	COMMON WORK AREA, ONLY COMMON PART OF SLIP WORK AREAS UNTOUCHED WHEN REQUESTING AN SDUMP
96	(60)	BITSTRING	2	SLWACW	SYSTEM MODE AT ERROR TIME
96	(60)	BITSTRING	1	SLWACW1	MAPS THE SAME AS THE RTM MODE BYTE
		1...		SLWASUPR	SUPERVISOR CONTROL MODE
		.1..		SLWADIS	PHYSICALLY DISABLED MODE
		..1.		SLWAGSPN	GLOBAL SPIN LOCK MODE
		...1		SLWAGSUS	GLOBAL SUSPEND LOCK MODE
		.... 1...		SLWALOC	LOCALLY LOCKED MODE
		.... .1..		SLWATYP1	TYPE 1 SVC MODE
		.... ..1.		SLWASRB	SRB MODE
		1		SLWATCB	TASK MODE
97	(61)	BITSTRING	1	SLWACW2	
		1...		SLWARECV	RECOVERY ERROR
		.1..		SLWAPS	PP STATE
		..1.		SLWASS	SUPER STATE
		...1		SLWASK	SUPER KEY
		.... 1...		SLWAPK	PP KEY
		.... .1..		SLWAGLOC	ANY GLOBAL LOCK
		.... ..1.		SLWALOCK	ANY LOCK
		1		SLWAHOME	INSTRUCTION EXECUTED IN HOME MODE
98	(62)	BITSTRING	2	SLWADBUG	DEBUG FLAGS FOR DEBUG TRACE RECORD-- VALUE IN BYTE SLWADB1 INDICATES ROUTINE THAT FAILED: 00 - RESERVED 01 - END 02 - COMP 03 - ASID 04 - JOBNAME 05 - JSPGM 06 - PVTMOD 07 - LPAMOD 08 - ADDRESS 09 - MODE 10 - ERRTYP 11 - RESERVED 12 - RESERVED 13 - RANGE 14 - DATA 15 - RESERVED 16 - RESERVED 17 - RESERVED 18 - RESERVED 19 - RESERVED 20 - ASIDSA 21 - RESERVED 22 - REASON 23 - NUCMOD 24 - PSWASC 25 - RESERVED 26 - DSSA
98	(62)	BITSTRING	1	SLWADB1	
99	(63)	BITSTRING	1	SLWADB2	
100	(64)	CHARACTER	1	SLWAFLG0	GENERAL INFO FLAGS

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		SLWAASUN	ASID IS UNAVAILABLE
		.1..		SLWARBUN	RB LEVEL SPECIFIED IS UNAVAILABLE
		..1.		SLWANLOC	LLOC NOT CONVERTED
		...1		SLWANDMP	NO DUMP CAN BE TAKEN
		.... 1...		SLWATDMP	ON, DUMP CAN BE TAKEN
		.... .111		*	RESERVED
101	(65)	CHARACTER	1	SLWAFLG1	GENERAL INFO FLAGS
		1...		SLWABDCK	ENTRY TOD VALUE IS INVALID
		.1..		SLWAPERS	STOP INCREMENTING SCE USE COUNTS AT THE NON-IGNORE PER TRAP
		..1.		SLWAPERT	STOP TESTING TRAPS (ENABLED NON- IGNORE TRAP WAS TESTED
		...1		SLWAMLDS	A TRAP HAS BEEN DISABLED DUE TO MATCHLIM
		.... 1...		SLWACVT1	FIRST ADDRESS OF DIRECT/ INDIRECT ADDR PAIR IS BEING CONVERTED
		.... .1..		SLWAERR1	ERROR CONVERTING FIRST ADDRESS OF PAIR
		.... ..1.		SLWASDIP	SDUMP IN PROGRESS WHEN SLIP HAD TO MODIFY FIELDS USED BY SDUMP
		1		SLWAPLDS	A TRAP HAS BEEN DISABLED DUE TO PERCENT LIMIT PROCESSING
102	(66)	CHARACTER	2	SLWACPSD	SAVE PASID FOR CMSET
104	(68)	ADDRESS	4	SLWASAV2	PTR TO REGS FOR SELECTED RBLEVEL
108	(6C)	ADDRESS	4	SLWASAVE	PTR TO RB CONTAINING PSW FOR SELECTED RBLEVEL
112	(70)	ADDRESS	4	SLWAR14	SAVE RETURN ADDRESS
116	(74)	CHARACTER	4	SLWATEMP	TEMPORARY SAVE AREA
116	(74)	CHARACTER	2	SLWATMP	TEMPORARY SAVE AREA
116	(74)	CHARACTER	1	*	TEMPORARY SAVE AREA
117	(75)	CHARACTER	1	SLWATMP2	TEMPORARY SAVE AREA
118	(76)	CHARACTER	1	*	TEMPORARY SAVE AREA
119	(77)	CHARACTER	1	SLWATMP4	TEMPORARY SAVE AREA
120	(78)	ADDRESS	4	SLWAARSV	-> AR AREA
124	(7C)	ADDRESS	4	SLWAG64HSV	-> G64H AREA
128	(80)	CHARACTER	608	SLWAEXT	WORK AREA PROVIDED ONLY FOR PER ENVIRONMENT
128	(80)	ADDRESS	4	SLWARC	RETURN CODE FOR PER ENTRIES
128	(80)	BITSTRING	3	*	
131	(83)	.... 1...		SLWAFDSP	REQUEST PFLIH TO ENTER DISP FOR STOPPED UNIT OF WORK DUE TO A=SUSDUMP
		.... .1..		SLWAFRCV	REQUEST PFLIH TO FORCE RECOVERY FOR INTERRUPTED PROCESS
		.... ..1.		*	RESERVED
		1		SLWAPOFF	IEAVTPER MUST TURN PER OFF IN RESUME PSW
132	(84)	CHARACTER	8	SLWACKIT	TOD CLOCK NEAR ENTRY TO IEAVTSLP
132	(84)	CHARACTER	4	SLWACKIL	LEFT HALF OF ENTRY TOD
136	(88)	CHARACTER	4	SLWACKIR	RIGHT HALF OF ENTRY TOD
140	(8C)	ADDRESS	4	SLWAENIP	POINTER TO SCE FOR ENABLED NON-IGNORE PER TRAP
144	(90)	ADDRESS	4	SLWASCE	SAVE AREA FOR SCE POINTER
148	(94)	ADDRESS	4	SLWACR9	COPY OF CONTROL REGISTER 9
		1...		SLWACRSB	PER SUCCESSFUL-BRANCH EVENT MASK
		.1..		SLWACRIF	PER INSTRUCTION-FETCH EVENT MASK
		..1.		SLWACRSA	PER STORAGE-ALTERATION EVENT MASK
148	(94)	BITSTRING	3	*	
152	(98)	CHARACTER	8	*	Unused
160	(A0)	CHARACTER	8	SLWACKOT	TOD CLOCK NEAR EXIT FROM IEAVTSLP
160	(A0)	CHARACTER	4	SLWACKOL	LEFT HALF OF EXIT TOD
164	(A4)	CHARACTER	4	SLWACKOR	RIGHT HALF OF EXIT TOD
168	(A8)	CHARACTER	8	SLWACKPT	TOTAL ACCUMULATED PER INTERRUPT PROCESSING TIME
168	(A8)	CHARACTER	4	SLWACKPL	LEFT HALF OF ACCUMULATED TIME
172	(AC)	CHARACTER	4	SLWACKPR	RIGHT HALF OF ACCUMULATED TIME
176	(B0)	CHARACTER	8	SLWACKET	TOTAL ELAPSED TIME SINCE FIRST VALID PER INTERRUPT
176	(B0)	CHARACTER	4	SLWACKEL	LEFT HALF OF ELAPSED TIME
180	(B4)	CHARACTER	4	SLWACKER	RIGHT HALF OF ELAPSED TIME
184	(B8)	BITSTRING	8	SLWACPUN	FLOATING POINT ONLINE CPU COUNT

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
192	(C0)	BITSTRING	8	SLWAFPR0	SAVE AREA FOR FPR 0
200	(C8)	CHARACTER	8	SLWACKST	COPY OF ACCUMULATED PER PROCESSING TIME FROM SCVA
200	(C8)	CHARACTER	4	SLWACKSL	LEFT HALF OF SCVA ACCUMULATED TIME
204	(CC)	CHARACTER	4	SLWACKSR	RIGHT HALF OF SCVA ACCUMULATED TIME
208	(D0)	CHARACTER	8	SLWAPCDM	CURRENT PER DEGRADATION (FLOATING POINT PERCENTAGE)
208	(D0)	CHARACTER	4	SLWAPCDL	LEFT HALF OF DEGRADATION PERCENTAGE
208	(D0)	CHARACTER	1	SLWAPCDX	EXPONENT OF DEGRADATION PERCENTAGE
209	(D1)	CHARACTER	3	*	
212	(D4)	CHARACTER	4	SLWAPCDR	RIGHT HALF OF DEGRADATION PERCENTAGE
216	(D8)	ADDRESS	4	SLWABGNM	BEGINNING DATA ADDRESS FOR MVCL
216	(D8)	ADDRESS	4	SLWAOTHER	STARTING ADDRESS
220	(DC)	ADDRESS	4	SLWAENDM	ENDING DATA ADDRESS FOR MVCL
224	(E0)	CHARACTER	4	SLWAPLSC	SAVE AREA FOR SCVAPLSC
228	(E4)	CHARACTER	8	SLWACRGS	CR3 & CR4 AT THE TIME OF PER INTERRUPT
228	(E4)	CHARACTER	4	SLWACR3	CONTROL REGISTER 3
228	(E4)	CHARACTER	2	SLWAKM	KEY MASK
230	(E6)	CHARACTER	2	SLWASASD	SASID
232	(E8)	CHARACTER	4	SLWACR4	CONTROL REGISTER 4
232	(E8)	CHARACTER	2	SLWAAX	AUTHORIZATION INDEX
234	(EA)	CHARACTER	2	SLWAPASD	PASID
236	(EC)	CHARACTER	10	SLWASAVA	IEAVTPER WORK/SAVE AREA
236	(EC)	CHARACTER	4	SLWASAV1	IEAVTPER WORK/SAVE AREA
240	(F0)	CHARACTER	4	SLWASAV3	IEAVTPER WORK/SAVE AREA
244	(F4)	CHARACTER	2	SLWASAVP	SAVE AREA FOR PASID
246	(F6)	CHARACTER	1	SLWAMISC	Miscellaneous communication flags
		1...		SLWATARGETTRAPACTIVATED	This bit is for communication between IEAVTSLD and IEAVTSLB. IEAVTSLB refers to this field to determine whether IEAVTSLD was successfull in activating the target trap
		.111 1111		*	Unused
247	(F7)	CHARACTER	1	SLWASAS	STORAGE ALTERATION SPACE INFORMATION
		1...		SLWASASV	1 => INFO IS VALID
		.1..		SLWASASU	1 => INSTRUCTION UNAVAILABLE
		..11 1...		*	RESERVED
		.... .1..		SLWASTUR	SA by STURA
		11		SLWASASC	CODED AS ASC: 00-PRIM, 01-AR, 10-SEC, 11-HOME
248	(F8)	CHARACTER	4	SLWAREC1	RECURSION SAVE AREA
248	(F8)	CHARACTER	1	SLWAIPCD	SAVE AREA FOR PSAIPCD BYTE
249	(F9)	CHARACTER	3	*	RESERVED
252	(FC)	CHARACTER	144	SLWAWKA	WORK AREA. USED FOR PER-ONLY SAVE AREA
396	(18C)	CHARACTER	304	SLWAREC2	RECURSION SAVE AREA (SAVE AREAS REFERENCED ONLY BY VTPER)
396	(18C)	CHARACTER	8	*	unused
404	(194)	CHARACTER	12	SLWAPGPR	SAVE AREA FOR PSAGPREG
416	(1A0)	CHARACTER	64	SLWALGPR	SAVE AREA FOR LCCASGPR
480	(1E0)	ADDRESS	4	SLWACSTK	SAVE AREA FOR PSACSTK
484	(1E4)	CHARACTER	1	SLWABITS	SAVE AREA FOR PSA BITS
		1...		SLWAPSVC	SAVE AREA FOR PSASVC BIT
485	(1E5)	CHARACTER	3	SLWAILCN	SAVE AREA FOR SVC ILC AND NUMBER
488	(1E8)	ADDRESS	4	SLWASSAV	SAVE AREA FOR PSASSAV
492	(1EC)	ADDRESS	4	SLWAESAV	SAVE AREA FOR PSAESAV1
496	(1F0)	CHARACTER	8	*	unused
504	(1F8)	CHARACTER	4	SLWAICOD	SAVE AREA FOR PSAEEPSW
508	(1FC)	CHARACTER	8	SLWASXMR	SAVE AREA FOR LCCASXMR
516	(204)	CHARACTER	64	SLWASLSA	SAVE AREA FOR PSASLSA
580	(244)	CHARACTER	8	SLWAEPS1	SAVE AREA FOR PSAEXPS1
588	(24C)	CHARACTER	8	SLWAEPS2	SAVE AREA FOR PSAEXPS2
596	(254)	ADDRESS	4	SLWAESV2	SAVE AREA FOR PSAESAV2
600	(258)	ADDRESS	4	SLWAESV3	SAVE AREA FOR PSAESAV3
604	(25C)	CHARACTER	64	SLWAXCR1	SAVE AREA FOR SCFSXCR1
668	(29C)	CHARACTER	16	SLWAEXTOPSWE	SAVE AREA FOR EXT OLD PSW
668	(29C)	CHARACTER	8	SLWAEPSW	SAVE AREA FOR FLCEOPSW

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
684	(2AC)	CHARACTER	16	SLWASVCOPSWE	SAVE AREA FOR SVC OLD PSW
684	(2AC)	CHARACTER	8	SLWASVCO	SAVE AREA FOR SVC OLD PSW
700	(2BC)	CHARACTER	4	*	Unused
704	(2C0)	CHARACTER	16	SLWACG10AND11	CRs 10 and 11
704	(2C0)	CHARACTER	8	SLWACG10	CR 10 for ESAME
704	(2C0)	CHARACTER	4	*	Reserved
708	(2C4)	CHARACTER	4	SLWACR10	Low order part of CR10
712	(2C8)	CHARACTER	8	SLWACG11	CR 11 for ESAME
712	(2C8)	CHARACTER	4	*	
716	(2CC)	CHARACTER	4	SLWACR11	Low order part of CR11
720	(2D0)	CHARACTER	8	*	Workarea for IEAVTSLP range processing
720	(2D0)	CHARACTER	8	SLWABGNMG	Beginning of range
720	(2D0)	CHARACTER	4	SLWABGNMGHIGH	
724	(2D4)	CHARACTER	4	SLWABGNMGLOW	
720	(2D0)	CHARACTER	8	SLWAOTHERG	
720	(2D0)	CHARACTER	4	SLWAOTHERGHIGH	
724	(2D4)	CHARACTER	4	SLWAOTHERGLOW	
728	(2D8)	CHARACTER	8	SLWAENDMG	End of range
728	(2D8)	CHARACTER	4	SLWAENDMGHIGH	
732	(2DC)	CHARACTER	4	SLWAENDMGLOW	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	44	*	REDEFINITION OF NORMAL WORK AREA FOR USE BY PVTMOD MATCH ROUTINE
0	(0)	SIGNED	4	SLWAXCTR	COUNTER FOR EXTENT LIST LOOP SEARCH
4	(4)	ADDRESS	4	SLWACDE	SAVE AREA FOR MINOR CDE POINTER
8	(8)	ADDRESS	4	SLWAPASC	ASCB ADDRESS OF CML OBTAINED
12	(C)	ADDRESS	4	SLWACDXPTR	Pointer to CDX
16	(10)	ADDRESS	4	SLWAMINMAJPTR	Address of CDE returned from Csvcdxf
20	(14)	CHARACTER	8	SLWACSVWORKAREA	Workarea for CSV
28	(1C)	BITSTRING	1	*	
		1...		SLWAMODULEMATCH	Indicates path names matched
29	(1D)	CHARACTER	1	*	
30	(1E)	UNSIGNED	2	SLWACSVCDXF_HVAL	
32	(20)	ADDRESS	4	SLWACSVCDXFSAVER2	
36	(24)	ADDRESS	4	SLWACSVCDXFSAVER3	
40	(28)	ADDRESS	4	SLWACSVCDXFSAVER4	
44	(2C)	CHARACTER	0	SLWAPVTMODEND	End of structure

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
128	(80)	STRUCTURE	264	*	
128	(80)	CHARACTER	64	SLWAMTAR	ARS FROM MEMTERM
192	(C0)	CHARACTER	128	SLWAMTC64S	ESAME memterm CRs
192	(C0)	CHARACTER	64	SLWAMTCR	ESA CRs from MEMTERM
320	(140)	CHARACTER	64	SLWAMTG64H	G64H from MEMTERM
384	(180)	CHARACTER	8	SLWAMTCR3AND4	Low halves of CRs 3 and 4 for ESAME or CRs 3 and 4 for ESA

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	72	DUMPWA	
0	(0)	CHARACTER	4	DWAASIDLIST	Pointers used to process ASIDLST parm

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	ADDRESS	4	DWALISTENTST	ENTRY START
4	(4)	CHARACTER	8	DWALIST	FOR LIST KEYWORD
4	(4)	ADDRESS	4	DWALISTDENTST	LIST64 entry
8	(8)	ADDRESS	4	DWALISTDENTEND	LIST64 end
12	(C)	CHARACTER	8	DWASLST	FOR SUMLIST KEYWORD
12	(C)	ADDRESS	4	DWASLSTLENTST	SUMLIST64 entry
16	(10)	ADDRESS	4	DWASLSTLENTEND	SUMLISTL64 entry end
20	(14)	CHARACTER	8	DWACURR	FOR LIST/SUMLIST (CURRENT)
20	(14)	ADDRESS	4	DWACURRDENTST	LISTD/SUMLISTL 64 entry
24	(18)	ADDRESS	4	DWACURRDENTEND	LISTD/SUMLISTL 64 entry end
28	(1C)	CHARACTER	16	DWASAVADDRS	SAVED ADDRESSES
28	(1C)	CHARACTER	16	*	
28	(1C)	CHARACTER	8	DWASAVSTOKEN	SAVED STOKEN
28	(1C)	CHARACTER	16	*	
28	(1C)	CHARACTER	8	DWASAV164	Saved 64 bit address
28	(1C)	CHARACTER	4	DWASAV1HIGH	
32	(20)	ADDRESS	4	DWASAV1	SAVED ADDRESS
32	(20)	SIGNED	2	DWASAV1A	
34	(22)	SIGNED	2	DWASAV1B	
36	(24)	CHARACTER	8	DWASAV264	Saved 64 bit address
36	(24)	CHARACTER	4	DWASAV2HIGH	
40	(28)	ADDRESS	4	DWASAV2	SAVED ADDRESS
40	(28)	SIGNED	4	DWASAVALET	WHEN DWASAVSTOKEN IS USED ON SUMLIST PATH
40	(28)	SIGNED	2	DWASAV2A	
42	(2A)	SIGNED	2	DWASAV2B	
44	(2C)	ADDRESS	4	DWASCVADMP	
48	(30)	BITSTRING	1	DWAFLAGS	
		1...		DWASTKNSAVED	1 => STOKEN WAS SAVED
		.1..		DWAPROCASID	1 => PROCESSING ASID
		..1.		DWAOUTOFORDER	1 => ADDRESSES OUT OF ORDER
		...1		DWACNVTERR	1 => ERROR IN CONVERTING ADDRESS
		.... 1...		DWAVALASID	1 => VALID ADDRESS SPACE
		.... .1..		DWAVALDS	1 => VALID DATA SPACE
		.... ..1.		DWASUMLIST	1 => PROCESSING SUMLIST
		1		DWAALETSAVED	1 => Alet was saved
49	(31)	CHARACTER	3	*	Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
72	(48)	STRUCTURE	24	DSPCALL_PL	
72	(48)	UNSIGNED	1	DSPC_LEVEL	Level -- 1
73	(49)	UNSIGNED	1	DSPC_REQUEST	Request type
74	(4A)	CHARACTER	2	*	Reserved
76	(4C)	CHARACTER	8	DSPC_STOKEN	Output STOKEN
84	(54)	ADDRESS	4	DSPC_ASCB	ASCB
84	(54)	ADDRESS	4	DSPC_ASTE	Input ASTE
88	(58)	CHARACTER	8	DSPC_DSPNAME	DSP name

SLWA Cross Reference

Name	Hex Offset	Hex Value
DSPC_ASCB	54	
DSPC_ASTE	54	
DSPC_DSPNAME	58	
DSPC_LEVEL	48	
DSPC_REQUEST	49	
DSPC_STOKEN	4C	
DSPCALL_PL	48	
DUMPWA	0	
DWAALETSAVED	30	01
DWAASIDLIST	0	
DWACNVTERR	30	10
DWACURR	14	
DWACURRDENTEND	18	
DWACURRDENTST	14	
DWAFLAGS	30	
DWALIST	4	
DWALISTDENTEND	8	
DWALISTDENTST	4	
DWALISTENTST	0	
DWAOUTOFORDER	30	20
DWAPROCASID	30	40
DWASAVADDRS	1C	
DWASAVALET	28	
DWASAVSTOKEN	1C	
DWASAV1	20	
DWASAV1A	20	
DWASAV1B	22	
DWASAV1HIGH	1C	
DWASAV164	1C	
DWASAV2	28	
DWASAV2A	28	
DWASAV2B	2A	
DWASAV2HIGH	24	
DWASAV264	24	
DWASCVADMP	2C	
DWASLST	C	
DWASLSTLENTEND	10	
DWASLSTLENTST	C	
DWASTKNSAVED	30	80
DWASUMLIST	30	02
DWAVALASID	30	08
DWAVALDS	30	04
SLWA	0	
SLWAARSV	78	
SLWAASUN	64	80
SLWAAX	E8	
SLWABDCK	65	80
SLWABGNM	D8	
SLWABGNMG	2D0	
SLWABGNMGHIGH	2D0	
SLWABGNMGLOW	2D4	
SLWABITS	1E4	
SLWACDE	4	
SLWACDXPTR	C	
SLWACG10	2C0	
SLWACG10AND11	2C0	
SLWACG11	2C8	
SLWACKEL	B0	
SLWACKER	B4	
SLWACKET	B0	
SLWACKIL	84	
SLWACKIR	88	
SLWACKIT	84	
SLWACKOL	A0	
SLWACKOR	A4	
SLWACKOT	A0	
SLWACKPL	A8	
SLWACKPR	AC	
SLWACKPT	A8	
SLWACKSL	C8	
SLWACKSR	CC	
SLWACKST	C8	
SLWACPSD	66	
SLWACPUN	B8	
SLWACRGS	E4	
SLWACRIF	94	40
SLWACRSA	94	20
SLWACRSB	94	80
SLWACR10	2C4	
SLWACR11	2CC	
SLWACR3	E4	
SLWACR4	E8	
SLWACR9	94	
SLWACSTK	1E0	
SLWACSVCDXF_HVAL	1E	
SLWACSVCDXFSAVER2	20	
SLWACSVCDXFSAVER3	24	
SLWACSVCDXFSAVER4	28	
SLWACSVWORKAREA	14	
SLWACVT1	65	08
SLWACW	60	
SLWACWA	60	
SLWACW1	60	
SLWACW2	61	
SLWADBUG	62	
SLWADB1	62	
SLWADB2	63	
SLWADIS	60	40
SLWAENDM	DC	
SLWAENDMG	2D8	
SLWAENDMGHIGH	2D8	
SLWAENDMGLOW	2DC	
SLWAENIP	8C	
SLWAEPSW	29C	
SLWAEPS1	244	
SLWAEPS2	24C	
SLWAERR1	65	04
SLWAESAV	1EC	
SLWAESV2	254	
SLWAESV3	258	
SLWAEXT	80	

Name	Hex Offset	Hex Value
SLWAEXTOPSWE	29C	
SLWAFDSP	83	08
SLWAFLG0	64	
SLWAFLG1	65	
SLWAFPC	0	
SLWAFPR0	C0	
SLWAFRCV	83	04
SLWAGLOC	61	04
SLWAGSPN	60	20
SLWAGSUS	60	10
SLWAGWA	0	
SLWAG64HSV	7C	
SLWAHOME	61	01
SLWAICOD	1F8	
SLWAILCN	1E5	
SLWAIPCD	F8	
SLWAKM	E4	
SLWALGPR	1A0	
SLWALOC	60	08
SLWALOCK	61	02
SLWAMINMAJPTR	10	
SLWAMISC	F6	
SLWAMLDS	65	10
SLWAMODULEMATCH	1C	80
SLWAMTAR	80	
SLWAMTCR	C0	
SLWAMTCR3AND4	180	
SLWAMTC64S	C0	
SLWAMTG64H	140	
SLWANDMP	64	10
SLWANLOC	64	20
SLWANORM	0	
SLWAOTHER	D8	
SLWAOTHERG	2D0	
SLWAOTHERGHIGH	2D0	
SLWAOTHERGLOW	2D4	
SLWAPASC	8	
SLWAPASD	EA	
SLWAPCDL	D0	
SLWAPCDM	D0	
SLWAPCDR	D4	
SLWAPCDX	D0	
SLWAPERS	65	40
SLWAPERT	65	20
SLWAPGPR	194	
SLWAPK	61	08
SLWAPLDS	65	01
SLWAPLSC	E0	
SLWAPLST	0	
SLWAPLSTX	48	
SLWAPOFF	83	01
SLWAPS	61	40
SLWAPSVC	1E4	80
SLWAPVTMODEND	2C	
SLWARBUN	64	40
SLWARC	80	
SLWARECV	61	80
SLWAREC1	F8	
SLWAREC2	18C	

Name	Hex Offset	Hex Value
SLWAR14	70	
SLWASAS	F7	
SLWASASC	F7	03
SLWASASD	E6	
SLWASASU	F7	40
SLWASASV	F7	80
SLWASAVA	EC	
SLWASAVE	6C	
SLWASAVP	F4	
SLWASAV1	EC	
SLWASAV2	68	
SLWASAV3	F0	
SLWASCE	90	
SLWASDIP	65	02
SLWASK	61	10
SLWASLSA	204	
SLWASRB	60	02
SLWASS	61	20
SLWASSAV	1E8	
SLWASTUR	F7	04
SLWASUPR	60	80
SLWASVCO	2AC	
SLWASVCOPSWE	2AC	
SLWASXMR	1FC	
SLWATARGETTRAPACTIVATED	F6	80
SLWATCB	60	01
SLWATDMP	64	08
SLWATEMP	74	
SLWATMP	74	
SLWATMP2	75	
SLWATMP4	77	
SLWATYP1	60	04
SLWAWKA	FC	
SLWAXCR1	25C	
SLWAXCTR	0	

SMCA Programming Interface information

Programming Interface information

SMCA

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

- SMCAIDTE
- SMCAITME
- SMCASID

End of Programming Interface information

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SMCA Heading Information

Common Name: SMF CONTROL TABLE
Macro ID: IEESMCA
DSECT Name: SMCABASE
Owning Component: System Management Facilities (SC100)
Eye-Catcher ID: "SMCA"
Offset: 4 ('4' in hex)
Length: 4 bytes
Storage Attributes: Subpool: 245
Key: 0
Residency: Below
Size: 404 bytes ('194' in hex)
FREQUENCY = 1 per MVS system
Created by: IFASTART
Pointed to by: CVTSMCA
Serialization: None
Function: Communications area used to hold data needed by SMF or other MVS components

SMCA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SMCABASE	
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"
0	(0)	BITSTRING	1	SMCAOPT	- SMFDEFLT OPTIONS SELECTED AT INITIALIZATION TIME. THE OPTIONS APPLY TO BACKGROUND PROCESSING. SMCAFOPT (OFFSET 82) CONTAINS THE FOREGROUND OPTIONS.
		1...		SMCAOPT1	"BIT0" - RESERVED
		.1..		SMCAOPT2	"BIT1" - RESERVED
		..1.		SMCAEXT	"BIT2" - RESERVED
		...1		SMCADSA	"BIT3" - DATA SET ACCOUNTING
		.... 1...		SMCAVOL	"BIT4" - VOLUME ACCOUNTING
		.... .1..		SMCAUDCS	"BIT5" Usage Data Collection Services
		.... .1..		SMCARS01	"BIT5,,C'X'" - RESERVED
		.... ..1.		SMCATDS	"BIT6" - TYPE 17 RECORDS MAINTAINED FOR TEMPORARY DATA SETS (REC(PERM) OR REC(CALL))
		1		SMCAFGND	"BIT7" - SMF FOREGROUND OPTIONS BIT. IF 0, ABOVE BITS DESCRIBE BACKGROUND OPTIONS. IF 1, ABOVE BITS DESCRIBE FOREGROUND OPTIONS. 20011
1	(1)	BITSTRING	1	SMCAMISC	- MISCELLANEOUS INDICATORS
		1...		SMCAUSER	"BIT0" - SMF RECORDING REQUESTED
		.1..		SMCAMAN	"BIT1" - SYS1.MAN DATA SET IS/IS NOT PRESENT. BITS 0 AND 1 MEAN: 00 = NO SMF RECORDING REQUESTED (MAN=NONE), 01 = ONLY USER RECORDS TO BE RECORDED (MAN=USER), 10 = INVALID COMBINATION, 11 = SMF AND USER RECORDING REQUESTED (MAN=ALL)
		..1.		SMCADSIC	"BIT2" DATA SET INIT COMPLETE BY IEEMB829 (1 = INIT COMPLETE)
		...1		SMCAFIRT	"BIT3" - SMF DATA SET TO BE OPENED
		.... 1...		SMCAPSDP	"BIT4" - PSEUDO-DUMP SWITCH (DEVICE SWITCHING ONLY)

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		.... .1..		SMCADBSY	"BIT5" - DUMP IS BUSY (SMF WRITER)
		.... ..1.		SMCABSW	"BIT6" - BUFFER SWITCH. IF 0, LEFT HALF OF BUFFER IN USE. IF 1, RIGHT HALF OF BUFFER IN USE.
		1		SMCADUMP	"BIT7" - DUMP BUSY
2	(2)	SIGNED	2	SMCATOFF	- OFFSET OF THE FIRST SMF TIOT ENTRY FROM THE BEGINNING OF THE MASTER SCHEDULER TIOT
4	(4)	CHARACTER	4	SMCASMCA	CONTROL BLOCK ID
		Comment			
		THE FOLLOWING FIELDS ARE SET UP BY IPL INITIALIZATION			
		End of Comment			
8	(8)	SIGNED	4	SMCAJWT	- JOB WAIT TIME LIMIT - BIT 31 REPRESENTS 1.048576 SECONDS
12	(C)	ADDRESS	4	SMCAS842	- ADDRESS OF IEEMB842
16	(10)	CHARACTER	4	SMCASID	- SYSTEM IDENTIFICATION (SID) MDC002 - INTENDED FOR REFERENCE ONLY
20	(14)	ADDRESS	4	SMCABUFP	- ADDRESS OF THE SMF BUFFER
24	(18)	CHARACTER	8	SMCAMTD	MAXDORM TIME AND DATE
32	(20)	ADDRESS	4	SMCAOPTB	- ADDRESS OF SMFOPTAB
36	(24)	ADDRESS	4	SMCADFLT	- ADDRESS OF SMFDELFT
40	(28)	SIGNED	4	SMCAARCT	- # OF RECORDS AT LAST ABEND
44	(2C)	SIGNED	4	SMCAABCT	- # OF BUFFERS AT LAST ABEND
48	(30)	SIGNED	4	SMCASRCT	- # OF RECORDS AT LAST STATUS
52	(34)	SIGNED	4	SMCASBCT	- # OF BUFFERS AT LAST STATUS
56	(38)	ADDRESS	4	SMCAPFBA	- PAGE FIX BEGINNING ADDRESS
60	(3C)	ADDRESS	4	SMCAPFEA	- PAGE FIX END ADDRESS
64	(40)	ADDRESS	4	SMCAECBA	- PAGE FIX ECB ADDRESS
68	(44)	SIGNED	2	SMCABR14	- SMF RMTR (BR 14)
70	(46)	SIGNED	2	SMCAASID	- ASID OF SMF ADDRESS SPACE
		Comment			
		MISCELLANEOUS POINTERS AND COMMUNICATION AREAS			
		End of Comment			
72	(48)	SIGNED	4	SMCAWAIT (2)	- THE ACCUMULATED WAIT TIME, EXPRESSED IN 26 USEC TIMER UNITS. FIRST WORD IS OVERFLOW FROM SECOND WORD.
80	(50)	CHARACTER	2	SMCAENTY (0)	- THESE SWITCHES GOVERN ENTRY CONDITIONS FOR DEVICE SWITCHING/ALLOCATION/ OPENING ROUTINES
80	(50)	BITSTRING	1	SMCAENDI	- A COMMUNICATION FIELD
		1...		SMCARS14	"BIT0,,C'X'" - RESERVED
		.1..		SMCARS15	"BIT1,,C'X'" - RESERVED
		..1.		SMCARS16	"BIT2,,C'X'" - RESERVED
		...1		SMCARS17	"BIT3,,C'X'" - RESERVED
		.... 1...		SMCARS18	"BIT4,,C'X'" - RESERVED
		.... .1..		SMCARS19	"BIT5,,C'X'" - RESERVED
		.... ..1.		SMCADSPO	"BIT6" - DISPLAY OPTIONS (D SMF,O) IS IN EFFECT
		1		SMCADSNF	"BIT7" - IF ZERO, DATA SET (X OR Y) WAS FOUND. IF ONE, DATA SET (X OR Y) WAS NOT FOUND.
81	(51)	CHARACTER	1	SMCAENOP	- ENTRY CODE THAT INDICATES WHICH LOAD OF SVC 83 HAS PASSED CONTROL TO CURRENT LOAD
82	(52)	BITSTRING	1	SMCAFOPT	- SMF FOREGROUND OPTIONS. BIT SETTINGS ARE SAME AS SMCAOPT. 20011
83	(53)	BITSTRING	1	SMCABITS	- BIT INDICATORS
		1...		SMCADAR	"X'80'" - DUMPABND OPTION INDICATOR
		.1..		SMCADSNM	"X'40'" - Data Set Name Migration Indicator
84	(54)	SIGNED	4	SMCAWRTP	- AN OPTIMUM BUFFER LOAD DISPLACEMENT FIGURE. WHEN THE BUFFER IS LOADED TO OR BEYOND THIS POINT, IT WILL BE WRITTEN TO THE SMF DATA SET.
88	(58)	SIGNED	4	SMCAOARY	- POINTER TO OLD RDS ARRAY
92	(5C)	SIGNED	4	SMCANARY	- POINTER TO NEW RDS ARRAY

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
96	(60)	SIGNED	4	SMCASUBP	- POINTER TO SUBPARM CHAIN
100	(64)	SIGNED	4	SMCABFMF	- MAXIMUM NUMBER OF FULL BUFFERS 1
104	(68)	SIGNED	4	SMCAPCNO	- PC NUMBER FOR SMFWTM
108	(6C)	CHARACTER	8	SMCADSTM	- START TIME AND DATE AT WHICH NO DATA SET WAS AVAILABLE TO RECORD ON. APPEARS IN PACKED DECIMAL IN THE FORM 00YYDDDF WHERE 00 = ZEROS, YY = LAST 2 DIGITS OF THE YEAR, DDD = DAY OF THE YEAR AND F IS A SIGN.
116	(74)	SIGNED	4	SMCADSCT	- THE NUMBER OF SMF RECORDS THAT HAVE BEEN OMITTED FROM THE SMF DATA SET DUE TO THE UNAVAILABILITY OF A DATA SET TO RECORD ON
120	(78)	ADDRESS	4	SMCAASCB	- ASCB OF SMF ADDRESS SPACE
124	(7C)	SIGNED	4	SMCAMACR	- ENTRY POINT TO MACRO RTN
128	(80)	ADDRESS	4	SMCASAVE	- USER EXIT ADDRESS SAVE FIELD (OS/VS2) (MDC300)
132	(84)	SIGNED	4	SMCATEXP	- TIME OF MOST RECENT EXPIRATION OF A TEN-MINUTE TIMER QUEUE ELEMENT (TQE) ICB310
136	(88)	CHARACTER	8	SMCASTKN	- SMF Address Space Token 1
144	(90)	CHARACTER	4	SMCASJWT	- SAVE JWT AS ENTERED (HHMM)
148	(94)	CHARACTER	4	SMCASMDM	- SAVE MAXDORM AS ENTERED (MMSS)
152	(98)	CHARACTER	6	SMCASSTS	- SAVE STATUS AS ENTERED (HHMMSS)
158	(9E)	CHARACTER	2	SMCAPARM	- PARMLIB SUFFIX FOR RESTART 1
160	(A0)	ADDRESS	4	SMCASLCA	- ADDRESS OF SLCA
164	(A4)	SIGNED	4	SMCAPGM	- NUMBER OF PAGES MIGRATED ICB310
168	(A8)	ADDRESS	4	SMCAU83	- ADDRESS OF SMF OUTPUT EXIT (IEFU83) TAKEN WHEN RECORDS ARE TO BE WRITTEN TO AN SMF DATA SET ICB407
172	(AC)	ADDRESS	4	SMCAWTCB	- ADDRESS OF SMF WRITER'S TCB - USED BY XMPOST ERROR PROCESSOR (IEEMB827) (OS/VS2) MDC006 1
176	(B0)	ADDRESS	4	SMCATSK2	- ADDRESS OF IFASMF TASK
180	(B4)	ADDRESS	4	SMCAACTP	- ADDRESS OF THE ACT (USED BY PARSE AND INPUT MERGE AND LIST OPTIONS)

Comment

THE NEXT TWO FIELDS ARE THE SUBJECT OF COMPARE DOUBLE AND SWAP LOGIC THAT CONTROLS THE SCHEDULING OF THE SRB. THEY MUST BE ON A DOUBLE WORD BOUNDARY. DO NOT MOVE.

End of Comment

184	(B8)	DBL WORD	8	SMCACDS (0)	- TARGET OF CDS TO CONTROL SRB SCHEDULE
184	(B8)	SIGNED	4	SMCANMFL	- NUMBER OF FULL BUFFERS
188	(BC)	ADDRESS	4	SMCASSB	- POINTER TO SMF SUSPEND BLOCK
192	(C0)	SIGNED	2	SMCAMNBF	- RESERVED (PREVIOUSLY THE MINIMUM NUMBER OF BUFFERS)
194	(C2)	SIGNED	2	SMCAMXBF	- RESERVED (PREVIOUSLY THE MAXIMUM NUMBER OF BUFFERS)
196	(C4)	ADDRESS	4	SMCASTTT	- ADDRESS OF STATUS TIMER ELEMENT
200	(C8)	ADDRESS	4	SMCAMAXT	- ADDRESS OF MAXDORM TIMER ELEMENT
204	(CC)	ADDRESS	4	SMCADTB	- ADDRESS OF DUMP TIMER ELEMENT
208	(D0)	SIGNED	4	SMCABITF (0)	- FULL WORD OF BIT FLAGS
208	(D0)	BITSTRING	1	SMCAPRMT	- REPLACES OPI BIT
		1...		SMCAIPLR	"X'80'" - PROMPT(IPLR) OR PROMPT(ALL)
		.1..		SMCALIST	"X'40'" - PROMPT(LIST) OR PROMPT(ALL)
		..1.		SMCALDSN	"X'20'" - DISPLAY DATASET STATUS
		...1		SMCAMXDM	"X'10'" - MAXDORM SPECIFIED?
		.... 1...		SMCASTUS	"X'08'" - STATUS SPECIFIED?
		.... .1..		SMCARUN	"X'04'" - WRITER SRB RUNNING
		.... ..1.		SMCASKD	"X'02'" - WRITER SRB HAS BEEN SCHEDULED
		1		SMCACONS	"X'01'" - DD CONSOLIDATION
209	(D1)	BITSTRING	1	SMCAFLGS	- WRITER STATUS FLAGS
		1...		SMCAINIT	"X'80'" - WRITER TASK INITIALIZED
		.1..		SMCARSTR	"X'40'" - RESTART IN PROGRESS
		..1.		SMCADTLS	"X'20'" - DATA LOST - NO SPACE ON DATA SETS
		...1		SMCASETP	"X'10'" - SET SMF IN PROCESS

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		.... 1...		SMCADISP	"X'08'" - DISPLAY SMF FOR OPTIONS OR DATASETS IS IN PROCESS.
		.... .1..		SMCALL	"X'04'" - LOCK HELD WHEN DISP LOCK OBTAIN
		.... ..1.		SMCALATE	"X'02'" - NEXT ELEMENT LONGER THAN 1 SEC
		1		SMCASETS	"X'01'" - SETSMF IN PROCESS
210	(D2)	BITSTRING	1	SMCAFLGR	- RECOVERY FOOTPRINTS
		1...		SMCATERM	"X'80'" - SMF TERMINATED
		.1..		SMCAPGFX	"X'40'" - PAGEFIX ISSUED
		..1.		SMCASRBF	"X'20'" - WRITER SRB ABENDED AND ISSUED SDUMP
		...1		SMCAPSUS	"X'10'" - PREVENT SUSPEND PROCESSING WHILE HANDLING I/O ERROR
		...1		SMCAPCDT	"X'10'" - IFAPCWTR HAS TAKEN DUMP
		.... 1...		SMCAU29	"X'08'" - IEFU29 EXIT CALLED
		.... .1..		SMCANOST	"X'04'" - NO MORE SETS ALLOWED
		.... ..1.		SMCAPREV	"X'02'" - PREVIOUS ABEND IN EASI INTERVAL
		1		SMCANMRE	"X'01'" - NO MORE EASI INTERVAL PROC
211	(D3)	BITSTRING	1	SMCARCUR	- RECOVERY RECURSION BITS
		1...		SMCAMXDR	"X'80'" - PREVENT MAXDORM RECURSION
		.1..		SMCASTTR	"X'40'" - PREVENT STATUS RECURSION
		..1.		SMCASUSR	"X'20'" - PREVENT SUSPEND RECURSION
		...1		SMCATIMR	"X'10'" - PREVENT TIMER RECURSON
		.... 1...		SMCASETR	"X'08'" - PREVENT SET RECURSION
		.... .1..		SMCASETC	"X'04'" FOOTPRINTS FOR SET RECOVERY
				Comment	
		EQU X'02' Reserved EQU X'01' Reserved			
				End of Comment	
212	(D4)	SIGNED	4	SMCAECB0	- DISPLAY SMF ECB
216	(D8)	ADDRESS	4	SMCASRB	- ADDRESS OF SMF SRB
220	(DC)	SIGNED	4	SMCAECB1	- SET SMF ECB
224	(E0)	SIGNED	4	SMCAECB2	- DUMP CHECK ECB
228	(E4)	SIGNED	4	SMCAECB3	- SETSMF ECB
232	(E8)	SIGNED	4		- Reserved
236	(EC)	SIGNED	4	SMCAXMCA	- ADDR OF CROSS MEM COMMUNICATION AREA
				Comment	
		CONTROL AREA FOR RDS CHAIN - RECORDING DATASET BLOCKS			
				End of Comment	
240	(F0)	CHARACTER	4	SMCARDSH	- RDSH - CHAIN HEADER ID
244	(F4)	ADDRESS	4	SMCAFRDS	- FIRST RDS
248	(F8)	ADDRESS	4	SMCALRDS	- LAST RDS
252	(FC)	ADDRESS	4	SMCASVCR	- CURRENT RDS FOR SVC 83 (IEEMB830)
256	(100)	ADDRESS	4	SMCASRBR	- CURRENT RDS FOR SRB (IEEMB834)
				Comment	
		MISCELLANEOUS DATA AREAS			
				End of Comment	
260	(104)	CHARACTER	4		- Reserved 1
264	(108)	ADDRESS	4		- Reserved 1
268	(10C)	ADDRESS	4		- Reserved 2
272	(110)	SIGNED	4	SMCAECBI	- ADDRESS OF ECB FOR SMF INIT 1
276	(114)	SIGNED	4	SMCADMID	- DOM ID OF SMF TERMINATED MSG
280	(118)	SIGNED	4		- Reserved 1
284	(11C)	SIGNED	4	SMCAD978 (0)	- DOM ID OF IEE978E MSG
284	(11C)	SIGNED	4	SMCAD986	- DOM ID OF IEE986E MSG
288	(120)	SIGNED	4	SMCABFLS	- NUMBER OF RCDS LOST DUE TO BUFFER SHORTAGE 1
292	(124)	SIGNED	4	SMCAD979	- DOM ID OF IEE979W MSG

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
296	(128)	SIGNED	4	SMCABFWT	- BUFFERS WRITTEN
300	(12C)	SIGNED	4	SMCARCWT	- RECORDS WRITTEN
				Comment	
				VARIABLES FOR SMF TIMER MODULE - IEEMB839	
				End of Comment	
304	(130)	ADDRESS	4	SMCATQE	- ADDRESS OF TQE
308	(134)	ADDRESS	4	SMCAENQE	- ADDRESS OF ENQUE ENTRY POINT
312	(138)	ADDRESS	4	SMCADEQE	- ADDRESS OF DEQUE ENTRY POINT
316	(13C)	ADDRESS	4	SMCANSRB	- ADDRESS OF NEXT ELEMENT ON CHAIN
320	(140)	CHARACTER	8	SMCAENDT	- TIME WHEN DIE INVOKED PLUS 1 SEC
				Comment	
				SELECTIVITY CONTROL AREA	
				End of Comment	
328	(148)	ADDRESS	4	SMCASSTP	- ADDRESS OF SMF SELECTIVITY TABLES
332	(14C)	ADDRESS	4	SMCASYSP	- ADDR OF THE SYSTEM (DEFAULT) SST
336	(150)	CHARACTER	4	SMCAITME	- IPL TIME (BINARY) IN HUNDREDTHS OF A SECOND - INTENDED FOR REFERENCE ONLY
340	(154)	CHARACTER	4	SMCAIDTE	- IPL DATE (0CYYDDDF) - INTENDED FOR REFERENCE ONLY
344	(158)	ADDRESS	4	SMCASACT	- ADDRESS OF THE NEW ACT FOR SET
348	(15C)	SIGNED	2	SMCANSST	- NUMBER OF SST ENTRIES
350	(15E)	SIGNED	2	SMCALSST	- LENGTH OF ONE SST ENTRY
				Comment	
				I/O MEASUREMENTS CONTROL AREA	
				End of Comment	
352	(160)	SIGNED	4	SMCAIOMC	NUMBER OF TIMES I/O MEASUREMENTS HAVE BEEN TURNED OFF
		1...		SMCAIOMS	"X'80'" MEASUREMENTS ARE CURRENTLY ON
				Comment	
				SMF ADDRESS TABLE	
				End of Comment	
356	(164)	ADDRESS	4	SMCA836	ADDRESS OF IEEMB836
360	(168)	ADDRESS	4	SMCA727	ADDRESS OF IEFTB727
364	(16C)	ADDRESS	4	SMCA728	ADDRESS OF IEFTB728
				Comment	
				DATASET CONTROL INTERVAL SIZE AND DATA LOST CONTROL FLAGS	
				End of Comment	
368	(170)	SIGNED	4	SMCACISZ	SESSION DATASET CONTROL INT SIZE
372	(174)	ADDRESS	4	SMCA721 (0)	ADDRESS OF IEFTB721
372	(174)	ADDRESS	4	SMCAJAC	ADDRESS OF IFAJAC00
376	(178)	ADDRESS	4	SMCASMCX	POINTER TO SMCX (SMCA EXTENSION IN 31-BIT STORAGE)
380	(17C)	ADDRESS	4	SMCASCHD	ADDR OF DEFERRED SCHED SUB-ROUTINE IN IEEMB839
384	(180)	BITSTRING	1	SMCAEXFL	USER EXIT FLAGS

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
		EQU BIT0 - RESERVED			
		EQU BIT1 - RESERVED			
		EQU BIT2 - Reserved			
		EQU BIT3 - RESERVED			
				End of Comment	
		.... 1...		SMCAEXR1	"BIT4" - RESERVED
		.... .1..		SMCAEXR3	"BIT5" - RESERVED
		.... ..1.		SMCAEXR4	"BIT6" - RESERVED
		1		SMCAEXR5	"BIT7" - RESERVED
385	(181)	BITSTRING	1	SMCASIDB	SMF SID Syntax Used
		1...		SMCASDFT	"X'80'" 'Default'
		.1..		SMCASONL	"X'40'" SID(xxxx)
		..1.		SMCASSER	"X'20'" SID(xxxx,ser#)
		...1		SMCASSYS	"X'10'" SID(xxxxSYSNAME(sysname))
		.... 1...		SMCASSYM	"X'08'" SID(&SYSNAME(m:n))
		.... .1..		SMCASCOM	"X'04'" SID(xxxx,COMBIN(ser#,ser#))
		11		SMCASRSV	"X'03'" Reserved
386	(182)	BITSTRING	1	SMCAUFLG	Usage Data Collection Services Flags
		1...		SMCAUT89	"BIT0" - Type 89 Subtype 1 Recording Active
		.1..		SMCAT892	"BIT1" - Type 89 Subtype 2 Recording Active
387	(183)	BITSTRING	1		Reserved
388	(184)	BITSTRING	1	SMCADLFL	DATA LOST CONTROL FLAGS
		1...		SMCADLWT	"BIT0" - MAXBUFFS OPTION SPECIFIED
		.1..		SMCADLHL	"BIT1" - NOBUFFS(HALT) SPECIFIED
		..1.		SMCADLLD	"BIT2" - LASTDS(HALT) SPECIFIED
		...1		SMCADLR1	"BIT3" - RESERVED
		.... 1...		SMCADLR2	"BIT4" - RESERVED
		.... .1..		SMCADLR3	"BIT5" - RESERVED
		.... ..1.		SMCADLR4	"BIT6" - RESERVED
		1		SMCADLR5	"BIT7" - RESERVED
389	(185)	BITSTRING	1		Reserved
390	(186)	SIGNED	2	SMCAASIS	SMF ASID used for serialization 1
392	(188)	SIGNED	4		- Reserved
396	(18C)	SIGNED	4		- Reserved
400	(190)	ADDRESS	4	SMCAJAC1	ADDRESS OF IFAJAC01
404	(194)	ADDRESS	4	SMCAUDCA	Address of Usage Data Collection
408	(198)	SIGNED	4	SMCAUPCL	Usage PCA Lockword
412	(19C)	SIGNED	4	SMCAUPCA	Address of first PCA on chain
416	(1A0)	SIGNED	4	SMCAUACL	Usage ACA Lockword
420	(1A4)	SIGNED	4	SMCAUACA	Address of first ACA on chain
424	(1A8)	ADDRESS	4	SMCAUDCT	Address of Usage Data Collection Timer Element
428	(1AC)	CHARACTER	4		Reserved for Alignment
432	(1B0)	BITSTRING	8	SMCAUST	Usage Data Start Time (TOD)
440	(1B8)	BITSTRING	8	SMCAUSTL	Usage Data Start Time (Local)
448	(1C0)	BITSTRING	8	SMCAUET	Usage Data End Time (TOD)
456	(1C8)	BITSTRING	8	SMCAUETL	Usage Data End Time (Local)
464	(1D0)	BITSTRING	8	SMCAUIT	Usage Record Start Time (TOD)
472	(1D8)	BITSTRING	8	SMCAUITL	Usage Record Start Time (Local)
472	(1D8)	X'1E0'	0	SMCAEND	"*"
472	(1D8)	X'1E0'	0	SMCASIZE	"SMCAEND-SMCABASE" - SIZE OF SMCA TABLE

SMCA Cross Reference

Name	Hex Offset	Hex Value
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
SMCAABCT	2C	
SMCAACTP	B4	
SMCAARCT	28	
SMCAASCB	78	
SMCAASID	46	
SMCAASIS	186	
SMCABASE	0	
SMCABFLS	120	
SMCABFMF	64	
SMCABFWT	128	
SMCABITF	D0	
SMCABITS	53	
SMCABR14	44	
SMCABSW	1	2
SMCABUFP	14	
SMCACDS	B8	
SMCACISZ	170	
SMCACONS	D0	1
SMCADAR	53	80
SMCADBSY	1	4
SMCADEQE	138	
SMCADFLT	24	
SMCADISP	D1	8
SMCADLFL	184	
SMCADLHL	184	40
SMCADLLD	184	20
SMCADLR1	184	10
SMCADLR2	184	8
SMCADLR3	184	4
SMCADLR4	184	2
SMCADLR5	184	1
SMCADLWT	184	80
SMCADMID	114	
SMCADSA	0	10
SMCADSCT	74	
SMCADSIC	1	20
SMCADSNF	50	1
SMCADSNM	53	40
SMCADSPO	50	2
SMCADSTM	6C	
SMCADTB	CC	
SMCADTLS	D1	20
SMCADUMP	1	1
SMCAD978	11C	
SMCAD979	124	
SMCAD986	11C	
SMCAECBA	40	
SMCAECBI	110	
SMCAECB0	D4	
SMCAECB1	DC	
SMCAECB2	E0	
SMCAECB3	E4	
SMCAEND	1D8	1E0
SMCAENDI	50	
SMCAENDT	140	
SMCAENOP	51	
SMCAENQE	134	
SMCAENTY	50	
SMCAEXFL	180	
SMCAEXR1	180	8
SMCAEXR3	180	4
SMCAEXR4	180	2
SMCAEXR5	180	1
SMCAEXT	0	20
SMCAFGND	0	1
SMCAFIRT	1	10
SMCAFLGR	D2	
SMCAFLGS	D1	
SMCAFOPT	52	
SMCAFRDS	F4	
SMCAIDTE	154	
SMCAINIT	D1	80
SMCAIOMC	160	
SMCAIOMS	160	80
SMCAIPLR	D0	80
SMCAITME	150	
SMCAJAC	174	
SMCAJAC1	190	
SMCAJWT	8	
SMCALATE	D1	2
SMCALDSN	D0	20
SMCALIST	D0	40
SMCALL	D1	4
SMCALRDS	F8	
SMCALSST	15E	
SMCAMACR	7C	
SMCAMAN	1	40
SMCAMAXT	C8	
SMCAMISC	1	
SMCAMNBF	C0	
SMCAMTD	18	
SMCAMXBF	C2	
SMCAMXDM	D0	10
SMCAMXDR	D3	80
SMCANARY	5C	
SMCANMFL	B8	
SMCANMRE	D2	1
SMCANOST	D2	4
SMCANSRB	13C	
SMCANSST	15C	
SMCAOARY	58	
SMCAOPT	0	
SMCAOPTB	20	
SMCAOPT1	0	80
SMCAOPT2	0	40
SMCAPARM	9E	
SMCAPCDT	D2	10
SMCAPCNO	68	
SMCAPFBA	38	
SMCAPFEA	3C	
SMCAPGFX	D2	40
SMCAPGM	A4	
SMCAPREV	D2	2
SMCAPRMT	D0	
SMCAPSDP	1	8
SMCAPSUS	D2	10
SMCARCUR	D3	
SMCARCWT	12C	

Name	Hex Offset	Hex Value
SMCARDSH	F0	
SMCARSTR	D1	40
SMCARS01	0	4
SMCARS14	50	80
SMCARS15	50	40
SMCARS16	50	20
SMCARS17	50	10
SMCARS18	50	8
SMCARS19	50	4
SMCARUN	D0	4
SMCASACT	158	
SMCASAVE	80	
SMCASBCT	34	
SMCASCHD	17C	
SMCASCOM	181	4
SMCASDFT	181	80
SMCASETC	D3	4
SMCASETP	D1	10
SMCASETR	D3	8
SMCASETS	D1	1
SMCASID	10	
SMCASIDB	181	
SMCASIZE	1D8	1E0
SMCASJWT	90	
SMCASKD	D0	2
SMCASLCA	A0	
SMCASMCA	4	
SMCASMCX	178	
SMCASMDM	94	
SMCASONL	181	40
SMCASRB	D8	
SMCASRBF	D2	20
SMCASRBR	100	
SMCASRCT	30	
SMCASRSV	181	3
SMCASSB	BC	
SMCASSER	181	20
SMCASSTP	148	
SMCASSTS	98	
SMCASSYM	181	8
SMCASSYS	181	10
SMCASTKN	88	
SMCASTTR	D3	40
SMCASTTT	C4	
SMCASTUS	D0	8
SMCASUBP	60	
SMCASUSR	D3	20
SMCASVCR	FC	
SMCASYSP	14C	
SMCAS842	C	
SMCATDS	0	2
SMCATERM	D2	80
SMCATEXP	84	
SMCATIMR	D3	10
SMCATOFF	2	
SMCATQE	130	
SMCATSK2	B0	
SMCAT892	182	40
SMCAUACA	1A4	
SMCAUACL	1A0	
SMCAUDCA	194	
SMCAUDCS	0	4
SMCAUDCT	1A8	
SMCAUET	1C0	
SMCAUETL	1C8	
SMCAUFLG	182	
SMCAUIT	1D0	
SMCAUITL	1D8	
SMCAUPCA	19C	
SMCAUPCL	198	
SMCAUSER	1	80
SMCAUST	1B0	
SMCAUSTL	1B8	
SMCAUT89	182	80
SMCAU29	D2	8
SMCAU83	A8	
SMCAVOL	0	8
SMCAWAIT	48	
SMCAWRTP	54	
SMCAWTCB	AC	
SMCAXMCA	EC	
SMCA721	174	
SMCA727	168	
SMCA728	16C	
SMCA836	164	

SMDLR Heading Information

Common Name: Summary Dump Logical Record
Macro ID: IHASMDLR
DSECT Name: SMDLR, SMDLRSFX, SMDXR
Owning Component: Dumping Services (SCDMP)
Eye-Catcher ID: None
Storage Attributes: Subpool: N/A
Key: N/A
Size: SMDLR: 20 bytes plus the length of the data contained in the record
SMDXR: 32 bytes
Created by: IEAVTSSD, IEAVTSSE, IEAVTSSV
Pointed to by: None
Serialization: None
Function: SMDLR
The summary dump logical record describes each record of a summary dump. It provides a format by which a summary dump can be accessed and printed. It tells the type, address, asid, and length of th data dumped as one summary dump record.
SMDXR
Summary dump index records are created during summary dump processing. These records provide a list of addresses with ASIDs (and possibly dataspace information), storage types and lengths of areas processed during summary dump capture. In a dump dataset, SMDXR records are contained in summary dump component records (dump records of type "SC", with component identifier of "IEAVTSUM". Each summary dump component record can contain up to 128 32-byte SMDXRs.

SMDLR Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SMDLR	
0	(0)	CHARACTER	20	SMDLRHDR	HEADER FOR EACH SUMMARY DUMP LOGICAL RECORD
0	(0)	SIGNED	2	SMDLRID	UNIQUE ID FOR EACH RECORD. SEE THE CONSTANTS BELOW
2	(2)	SIGNED	2	SMDLRAID	ASID OF DATA CONTAINED IN THIS RECORD COMMON STORAGE DENOTED BY FFFF
4	(4)	SIGNED	4	SMDLRLEN	TOTAL LENGTH OF THE DATA AREA WHICH IS REPRESENTED BY THIS LOGICAL RECORD AND ALL ITS CONTINUATIONS. THIS WILL BE 0 FOR A CONTINUATION
8	(8)	ADDRESS	4	SMDLRADR	ORIGINAL ADDRESS DATA FOLLOWING
12	(C)	ADDRESS	4	SMDLRPL	LENGTH OF THE DATA THAT ACTUALLY FOLLOWS THIS HEADER
16	(10)	SIGNED	1	SMDLRMSG	IF NONZERO THIS IS THE ID OF A SUMMARY DUMP MESSAGE WHICH IS TO BE GENERATED AS PART OF THE PRINTED OUTPUT WHEN THE DATA IS FORMATED
17	(11)	SIGNED	3	SMDLRSFO	OFFSET FROM SMDLRHDR TO SUFFIX
20	(14)	CHARACTER	1	SMDLRDAT (0)	DATA
20	(14)	X'14'	0	SMDLR_LEN	"*-SMDLR"

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

Comment

SUFFIX, WHICH FOLLOWS THE HEADER IN THE ACTUAL DUMP RECORD,
BUT FOLLOWS THE DATA IN THE RECORD RETURNED BY IEAVTFRD
(DEFAULT BASING EXPRESSION)

End of Comment

0	(0)	CHARACTER	22	SMDLRDSC	STRUCTURE FOR CLEARING DATASPACE FIELDS
0	(0)	BITSTRING	8	SMDLRSTK	STOKEN
8	(8)	ADDRESS	4	SMDLRAST	ASTE REAL ADDRESS
12	(C)	CHARACTER	8	SMDLRDSP	DATA SPACE NAME
20	(14)	SIGNED	2	SMDLRDSA	OWNING ASID OF DATA SPACE. THIS FIELD MUST FOLLOW SMDLRDSP DUE TO FORMATTING CONSIDERATIONS
22	(16)	SIGNED	2	SMDLRSFL	LENGTH OF SUFFIX
24	(18)	CHARACTER	1	SMDLRSFE (0)	END OF SUFFIX
24	(18)	X'18'	0	SMDLRSFX_LEN	"*-SMDLRSFX" HEADER PLUS SUFFIX WITHIN THE ACTUAL DUMP RECORD, WHERE THE SUFFIX DIRECTLY FOLLOWS THE HEADER

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SMDXR	SumMary Dump indeX Record
0	(0)	SIGNED	2	SMDXRID	ID for this area.
2	(2)	SIGNED	2	SMDXRAID	ASID for this area address
4	(4)	CHARACTER	16	SMDXRRNG	Field to clear addr/length information
4	(4)	CHARACTER	8	SMDXRADR64	64-bit address
4	(4)	SIGNED	4	SMDXRADR64H	High half
8	(8)	ADDRESS	4	SMDXRADR	Address of area
12	(C)	CHARACTER	8	SMDXRLEN64	Length of data for this area
12	(C)	SIGNED	4		High half
16	(10)	SIGNED	4	SMDXRLEN	Low half of length
20	(14)	CHARACTER	10	SMDXRDSC	Dataspace field clearing field
20	(14)	CHARACTER	8	SMDXRDSP	Data space name
28	(1C)	SIGNED	2	SMDXROAI	Owning ASID for dataspace
30	(1E)	SIGNED	1	SMDXRMSG	If non-zero, the id of a message to be displayed when formatting this header record
31	(1F)	CHARACTER	1	SMDXRFLG	Flags
		1...		SMDXRCOM	"X'80'" Starting address represents common storage

Comment

CONSTANTS IDENTIFYING MESSAGES TO BE ASSOCIATED WITH
SUMMARY DUMP INDEX RECORDS. SEE SMDXRMSG / SMDLRMSG.

End of Comment

31	(1F)	X'1'	0	SMDLSTER	"1" AN ERROR IN THE SDUMP SUMLIST
31	(1F)	X'2'	0	SMDNORT2	"2" NO RTM2 WA FOUND FOR THE ASID
31	(1F)	X'3'	0	SMDIHSER	"3" RELEVENT IHSA COULD NOT BE ADDRESSED
31	(1F)	X'4'	0	SMDLWSER	"4" RELEVENT LOCAL WSA COULD NOT BE ADDRESSED
31	(1F)	X'5'	0	SMDSLAER	"5" SUMLSTA IN ERROR
31	(1F)	X'6'	0	SMDRNGER	"6" A SPECIFIED ADDRESS RANGE WAS NOT VALID
31	(1F)	X'7'	0	SMDPCLER	"7" THE PCLINK STACK COULD NOT BE TOTALLY ACCESSED
31	(1F)	X'8'	0	SMDASDER	"8" A SPECIFIED ASID COULD NOT BE ACCESSED
31	(1F)	X'9'	0	SMDRNGRF	"9" A SPECIFIED ADDRESS RANGE COULD NOT BE ACCESSED
31	(1F)	X'A'	0	SMDSPNDR	"10" AN ERROR HAS OCCURRED CAUSING THE TERMINATION OF THE SUSPEND SUMMARY DUMP
31	(1F)	X'B'	0	SMDSPDBL	"11" SDUMP CALLER WAS DISABLED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
31	(1F)	X'C'	0	SMDSPNOD	"12" DUMPSRV ADDRESS SPACE NOT ACTIVE
31	(1F)	X'D'	0	SMDSPDSE	"13" DUMPSRV ADDRESS SPACE IN ERROR
31	(1F)	X'E'	0	SMDSPDHM	"14" DUMPSRV ADDRESS SPACE WAS CALLERS HOME ASID
31	(1F)	X'F'	0	SMDSPLDS	"15" SDUMP CALLER HELD DUMPSRV CML LOCK
31	(1F)	X'10'	0	SMDNOSSV	"16" IEAVTSSV WAS NOT BE FOUND
31	(1F)	X'11'	0	SMDNOLOC	"17" SUSPEND SUMMARY DUMP NEEDS THE LOCAL LOCK TO DO THE STOP BUT TYPE=NOLOCAL OPTION WAS SPECIFIED
31	(1F)	X'12'	0	SMDSLLER	"18" AN ERROR IN THE SDUMP SUMLSTL
31	(1F)	X'13'	0	SMDSLLSP	"19" SUMLSTL SPECIFIED ON ENABLED DUMP, SO SUSPEND SUMMARY DONE
31	(1F)	X'14'	0	SMDPSRER	"20" ERROR WHILE DUMPING PSWREGS= STORAGE RANGES
31	(1F)	X'15'	0	SMDSPDCB	"21" SUSPEND SUMMARY DUMP REQUESTED WHEN DCB PARAMETER SPECIFIED
31	(1F)	X'16'	0	SMDSL64E	"22" SUMLST64 IN ERROR

Comment

CONSTANTS IDENTIFYING EACH TYPE OF SUMMARY DUMP RECORD. SEE FIELD SMDXRID / SMDLRID.

End of Comment

31	(1F)	X'0'	0	SMDUNASS	"0" Unassigned
31	(1F)	X'1'	0	SMDPCCA	"1" PCCA PHYSICAL CONFIG COMMUNICATION AREA
31	(1F)	X'2'	0	SMDLCCA	"2" LCCA LOCAL CONFIG COMMUNICATION AREA
31	(1F)	X'3'	0	SMDPSA	"3" PSA PREFIX SAVE AREA
31	(1F)	X'4'	0	SMDTRT	"4" SYSTEM TRACE TABLE WITH PRECEEDING CNTL INFO
31	(1F)	X'5'	0	SMDFRRS	"5" THE SUPERVISOR FRR STACKS
31	(1F)	X'6'	0	SMDLCCX	"6" LCCX -- LCCA EXTENSION
31	(1F)	X'1E'	0	SMDIDUCT	"30" INTERRUPT HANDLER DUCT
31	(1F)	X'1F'	0	SMDSDUCT	"31" SRB DUCT
31	(1F)	X'20'	0	SMDWDUCT	"32" WORK UNIT DUCT
31	(1F)	X'21'	0	SMDPSNAL	"33" PASN ACCESS LIST
31	(1F)	X'22'	0	SMDSRBAL	"34" SRB ACCESS LIST
31	(1F)	X'23'	0	SMDDUAL	"35" WORK UNIT ACCESS LIST
31	(1F)	X'24'	0	SMDILSTK	"36" INTERRUPT HANDLER LINKAGE STACK
31	(1F)	X'25'	0	SMDCLSTK	"37" CURRENT LINKAGE STACK
31	(1F)	X'2D'	0	SMDLST64	"45" STORAGE INDICATED BY THE SUMLST64 KWD
31	(1F)	X'2E'	0	SMDLIST	"46" STORAGE INDICATED BY THE SUMLIST KEYWORD
31	(1F)	X'2F'	0	SMDIHSA	"47" IHSA INT HANDLER SAVE AREA
31	(1F)	X'30'	0	SMDREGV	"48" STORAGE NEAR ADDRESSES IN REGISTERS
31	(1F)	X'31'	0	SMDPSWS	"49" STORAGE NEAR ADDRESSES IN PSWS
31	(1F)	X'32'	0	SMDWSAGV	"50" WSAVTG GLOBAL WSA VECTOR TABLE
31	(1F)	X'33'	0	SMDWSACV	"51" WSAVTC CPU WSA VECTOR TABLE
31	(1F)	X'34'	0	SMDWSALV	"52" WSAVTL LOCAL WSA VECTOR TABLE
31	(1F)	X'35'	0	SMDEOD	"53" END SUMMARY DUMP
31	(1F)	X'36'	0	SMDSUMLL	"54" STORAGE INDICATED BY THE SUMLSTL KWD
31	(1F)	X'37'	0	SMDREGD	"55" DATA SPACE STORAGE AROUND THE REGS
31	(1F)	X'38'	0	SMDSDWA	"56" SDWA SYSTEM DIAGNOSTIC WORK AREA
31	(1F)	X'39'	0	SMDRTM2A	"57" RTM2WA RTM2 WORK AREA
31	(1F)	X'3A'	0	SMDR2TRT	"58" SYSTEM TRACE TABLE W/O PRECEEDING CNTL INFO
31	(1F)	X'3B'	0	SMDNULL	"59" EMPTY RECORD,CONTAINS NO DATA
31	(1F)	X'3C'	0	SMDASIDR	"60" ASID JOB PROCSTEP & STEP NAME
31	(1F)	X'3D'	0	SMDEORSB	"61" End of real storage buffer capture
31	(1F)	X'40'	0	SMDXSB	"64" XSB CONTROL BLOCK
31	(1F)	X'41'	0	SMDSTKE	"65" PCLINK STACK ELEMENT
31	(1F)	X'42'	0	SMDLISTA	"66" ID FOR SUMLISTA RECORDS
31	(1F)	X'43'	0	SMDXMASD	"67" ID FOR CROSS MEMORY ASID RECORDS
31	(1F)	X'44'	0	SMDHASCB	"68" SUSPEND SUMDUMP CALLER ASCB
31	(1F)	X'45'	0	SMDCTCB	"69" SUSPEND SUMDUMP CALLER TCB
31	(1F)	X'46'	0	SMDCRB	"70" SUSPEND SUMDUMP CALLER RB
31	(1F)	X'47'	0	SMDCSSRB	"71" SUSPEND SUMDUMP CALLER SSRB

SMDLR Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
31	(1F)	X'48'	0	SMDCSAV	"72" SUSPEND SUMDUMP CALLER REG SA
31	(1F)	X'49'	0	SMDSPEND	"73" SUSPEND SUMDUMP ERROR RECORD ID
31	(1F)	X'4A'	0	SMDHASSB	"74" SUSPEND SUMDUMP CALLER ASSB
31	(1F)	X'4B'	0	SMDCSTCB	"75" SUSPEND SUMDUMP CALLER STCB
31	(1F)	X'4C'	0	SMDHJSAB	"76" SUSPEND SUMDUMP CALLER JSAB
31	(1F)	X'4D'	0	SMDWSAGS	"77" WSAVTG GLOBAL WORK SAVE AREAS
31	(1F)	X'4E'	0	SMDWSACS	"78" WSAVTC CPU WORK SAVE AREAS
31	(1F)	X'4F'	0	SMDWSALS	"79" WSAVTL LOCAL WORK SAVE AREAS
31	(1F)	X'50'	0	SMDWSLPA	"80" SLIP REGISTER/PSW AREA
31	(1F)	X'51'	0	SMDSPSWR	"81" ID FOR PSWREGS PARAMETER LIST
31	(1F)	X'52'	0	SMDPSWRD	"82" ID FOR PSWREGS ADDRESS SPACE DATA
31	(1F)	X'53'	0	SMDPSRDS	"83" ID FOR PSWREGS DATASPACE DATA
31	(1F)	X'63'	0	SMDUNKWN	"99" UNKNOWN RECORD ID SUSPEND SUMMARY DUMP IDS
32	(20)	X'20'	0	SMDXR_LEN	"*-SMDXR"

SMDLR Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SMDASDER	1F	8	SMDLST64	1F	2D
SMDASIDR	1F	3C	SMDLWSER	1F	4
SMDCLSTK	1F	25	SMDNOLOC	1F	11
SMDCRB	1F	46	SMDNORT2	1F	2
SMDCSAV	1F	48	SMDNOSSV	1F	10
SMDCSSRB	1F	47	SMDNULL	1F	3B
SMDCSTCB	1F	4B	SMDPCCA	1F	1
SMDCTCB	1F	45	SMDPCLER	1F	7
SMDDUAL	1F	23	SMDPSA	1F	3
SMDEOD	1F	35	SMDPSNAL	1F	21
SMDEORSB	1F	3D	SMDPSRDS	1F	53
SMDFRRS	1F	5	SMDPSRER	1F	14
SMDHASCB	1F	44	SMDPSWRD	1F	52
SMDHASSB	1F	4A	SMDPSWS	1F	31
SMDHJSAB	1F	4C	SMDREGD	1F	37
SMDIDUCT	1F	1E	SMDREGV	1F	30
SMDIHSA	1F	2F	SMDRNGER	1F	6
SMDIHSER	1F	3	SMDRNGRF	1F	9
SMDILSTK	1F	24	SMDRTM2A	1F	39
SMDLCCA	1F	2	SMDR2TRT	1F	3A
SMDLCCX	1F	6	SMDSDUCT	1F	1F
SMDLIST	1F	2E	SMDSDWA	1F	38
SMDLISTA	1F	42	SMDSLAER	1F	5
SMDLR	0		SMDSLLER	1F	12
SMDLR_LEN	14	14	SMDSLLSP	1F	13
SMDLRADR	8		SMDSL64E	1F	16
SMDLRAID	2		SMDSPDBL	1F	B
SMDLRAST	8		SMDSPDCB	1F	15
SMDLRDAT	14		SMDSPDHM	1F	E
SMDLRDSA	14		SMDSPDSE	1F	D
SMDLRDSC	0		SMDSPEND	1F	49
SMDLRDSP	C		SMDSPLDS	1F	F
SMDLRHDR	0		SMDSPNDR	1F	A
SMDLRID	0		SMDSPNOD	1F	C
SMDLRLEN	4		SMDSPSWR	1F	51
SMDLRMSG	10		SMDSRBAL	1F	22
SMDLRPL	C		SMDSTKE	1F	41
SMDLRSFE	18		SMDSUMLL	1F	36
SMDLRSFL	16		SMDTRT	1F	4
SMDLRSFO	11		SMDUNASS	1F	0
SMDLRSFX	0		SMDUNKWN	1F	63
SMDLRSFX_LEN	18	18	SMDWDUCT	1F	20
SMDLRSTK	0		SMDWSACS	1F	4E
SMDLSTER	1F	1	SMDWSACV	1F	33

Name	Hex Offset	Hex Value
SMDWSAGS	1F	4D
SMDWSAGV	1F	32
SMDWSALS	1F	4F
SMDWSALV	1F	34
SMDWSLPA	1F	50
SMDXMASD	1F	43
SMDXR	0	
SMDXR_LEN	20	20
SMDXRADR	8	
SMDXRADR64	4	
SMDXRADR64H	4	
SMDXRAID	2	
SMDXRCOM	1F	80
SMDXRDSC	14	
SMDXRDSP	14	
SMDXRFLG	1F	
SMDXRID	0	
SMDXRLEN	10	
SMDXRLEN64	C	
SMDXRMSG	1E	
SMDXROAI	1C	
SMDXRRNG	4	
SMDXSB	1F	40

SMEW Heading Information

Common Name: SUMMARY DUMP EXTENDED WORK AREA
Macro ID: IHASMEW
DSECT Name: SMEW
Owning Component: SVC DUMP (SCDMP)
Eye-Catcher ID: SMEW
Offset: 0
Length: 4
Storage Attributes: Subpool: 239
Key: 0
Data Space: NONE
Residency: ANY,ANY
Size: 52 BYTES
Created by: IEAVTSAI
Pointed to by: RTCTSMEW
Serialization: SDUMP LOCK
Function: USED TO HOLD INFORMATION PERTAINING TO THE DUMPING SERVICES (DUMPSRV) ADDRESS SPACE. THIS INFORMATION IS USED BY THE SUMMARY DUMP PROCESSOR WHEN TAKING AN ENABLED SUSPEND SUMMARY DUMP (SUSPEND=YES ON THE SDUMP MACRO).

SMEW Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	52	SMEW	SUMMARY DUMP EXTENDED WORK AREA
0	(0)	CHARACTER	4	SMEWID	EBCDIC IDENTIFIER -SMEW-
4	(4)	CHARACTER	12	SMEWVB	VIRTUAL BUFFER INFORMATION
4	(4)	ADDRESS	4	SMEWVBST	START OF VIRTUAL BUFFER
8	(8)	SIGNED	4	SMEWVBEN	END OF VIRTUAL BUFFER
12	(C)	SIGNED	4	SMEWVBCT	BLOCK COUNT FOR VIRT BUFF
16	(10)	ADDRESS	2	SMEWSASD	ASID OF SDUMP CALLER
18	(12)	ADDRESS	2	*	RESERVED
20	(14)	ADDRESS	4	SMEWRTRN	COMMON RETURN REGISTER SAVE AREA
24	(18)	CHARACTER	20	SMEWCNTL	AREA FOR CONTROLLING THE BUFFER
24	(18)	ADDRESS	2	SMEWVSPC	SPACE REMANING ON CURRENT PAGE
26	(1A)	ADDRESS	2	SMEWVBUS	NUMBER OF BUFFER BLOCKS USED
28	(1C)	ADDRESS	4	SMEWVBLK	ADDRESS OF CURRENTLY USED BLOCK
32	(20)	ADDRESS	4	SMEWVBAD	ADDRESS OF FREE DATA SPACE
36	(24)	ADDRESS	4	SMEWPSAD	CURRENT SUMDUMP PSEUDO ADDRESS
40	(28)	CHARACTER	4	SMEWFLGS	FLAGS USED TO CONTROL BUFFER
40	(28)	CHARACTER	1	SMEWFLG1	FIRST BYTE OF FLAGS
		1...		SMEWVSBW	1=VIRTUAL BUFFER TO WRITE OUT
		.1..		SMEWSBIT	1=S-BIT ONE DURING MOVE PROCESS
		..1.		SMEWVSBF	1=VIRTUAL STORAGE BUFFER IS FULL
44	(2C)	ADDRESS	4	*	RESERVED
48	(30)	ADDRESS	4	*	RESERVED

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SMEW Constants

Len	Type	Value	Name	Description
4	DECIMAL	4168	SMEWBKSZ	VIRTUAL BUFFER BLOCK SIZE 4096= ONE FULL PAGE OF DATA + 64 = 64 BYTE RECORD HEADER + 8 = CCW SEEK ADDR IF DASD
4	DECIMAL	52	SMEWLEN	SMEW LENGTH

SMEW Cross Reference

Name	Hex Offset	Hex Value
SMEW	0	
SMEWCNTL	18	
SMEWFLGS	28	
SMEWFLG1	28	
SMEWID	0	
SMEWPSAD	24	
SMEWRTRN	14	
SMEWSASD	10	
SMEWSBIT	28	40
SMEWVB	4	
SMEWVBAD	20	
SMEWVBCT	C	
SMEWVBEN	8	
SMEWVBLK	1C	
SMEWVBST	4	
SMEWVBUS	1A	
SMEWVSBF	28	20
SMEWVSBW	28	80
SMEWVSPC	18	

SMPL Heading Information

Common Name: STORAGE MANAGEMENT PARAMETER LIST ENTRY
Macro ID: ISGSMPL
DSECT Name: SMPL
Owning Component: GLOBAL RESOURCE SERIALIZATION (SCSDS)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: DETERMINED BY CALLER.
Key: 0
Size: 16 BYTES PER ENTRY
Created by: THE SMPL IS CREATED BY THE CALLER OF GRS STORAGE MANAGER.
Pointed to by: MAINTAINED BY CALLER OF GRS STORAGE MANAGER.
Serialization: NONE
Function: EACH STORAGE MANAGEMENT PARAMETER LIST ENTRY REPRESENTS A REQUEST TO THE GRS STORAGE MANAGER.

SMPL Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	16	SMPL	STORAGE MANAGEMENT PARM LIST ENTRY
0	(0)	UNSIGNED	1	SMPFLAGS	INDICATOR FLAGS
		1...		SMPEOPL	END OF PARM LIST INDICATOR - WHEN 1, THIS ENTRY IS LAST ENTRY OF THE PARAMETER LIST
		.1..		SMPGLIND	GLOBAL/LOCAL INDICATOR 0 = LOCAL CONTROL BLOCK, 1 = GLOBAL CONTROL BLOCK. Obsolete
		..1.		SMPSTIND	SIZE/TYPE INDICATOR 0 = REQUEST IS BY TYPE/INDEX 1 = REQUEST IS BY SIZE
		...1		SMPRSV2	RESERVED
		.... 1...		SMPRSV3	RESERVED
		.... .1..		SMPRSV4	RESERVED
		.... ..1.		SMPRSV5	RESERVED
		1		SMPRSV6	RESERVED
1	(1)	CHARACTER	1	SMPRSV7	RESERVED
2	(2)	UNSIGNED	2	SMPINDEX	TYPE OF CELL REQUESTED (I.E., INDEX NUMBER OF THE RPTE FOR THE TYPE OF CELL). VALID IF ALLOCATING BY TYPE (I.E., IF SMPSTIND=0)
2	(2)	UNSIGNED	2	SMPSIZE	MINIMUM SIZE CELL REQUESTED. VALID IF ALLOCATING BY SIZE (I.E., IF SMPSTIND=1)
4	(4)	CHARACTER	4	SMPRSV8	RESERVED
8	(8)	UNSIGNED	4	SMPCNUM	NUMBER OF CELLS REQUESTED TO BE ALLOCATED. NOT USED FOR DEALLOCATION
12	(C)	ADDRESS	4	SMPCADDR	INPUT - ADDRESS OF FIRST CELL TO BE DEALLOCATED, OUTPUT - ADDRESS OF FIRST CELL THAT WAS ALLOCATED
16	(10)	CHARACTER	0	SMPEND	END OF SMPL

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SMPCELL	STORAGE MANAGER CELL
0	(0)	ADDRESS	4	SMPNCELL	ADDRESS OF NEXT CELL IN CHAIN
4	(4)	CHARACTER	*	*	REMAINDER OF CELL

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SMPL Constants

Len	Type	Value	Name	Description
		Comment		
		THE FOLLOWING CONSTANTS ARE THE INDEX NUMBERS FOR EACH TYPE OF CONTROL BLOCK THAT GRS STORAGE MANAGER PROCESSES. THESES INDICES CORRESPOND TO THE ONE'S IN THE RPT.		
		End of Comment		
1	DECIMAL	1	SMPQCB1I	INDEX FOR QCB WITH 24 BYTE RNAME
1	DECIMAL	2	SMPQCB2I	INDEX FOR QCB WITH 52 BYTE RNAME
1	DECIMAL	3	SMPQCB3I	INDEX FOR QCB WITH 256 BYTE RNAME
1	DECIMAL	4	SMPQELI	INDEX FOR QEL
1	DECIMAL	5	SMPQXBI	INDEX FOR QXB
1	DECIMAL	6	SMPQWBI	INDEX FOR QWB
1	DECIMAL	7	SMPPQCBI	INDEX FOR PQCB
1	DECIMAL	8	SMPMRBI	INDEX FOR MRB
1	DECIMAL	9	SMPCRBI	INDEX FOR CRB
1	DECIMAL	10	SMPLDE	INDEX FOR LDE
1	DECIMAL	11	SMPLSCB	INDEX FOR LSCB
1	DECIMAL	12	SMPHWKAI	INDEX FOR HUGE WORK AREA
1	DECIMAL	13	SMPTWKAI	INDEX FOR TINY WORK AREA
		Comment		
		THE FOLLOWING CONSTANTS ARE SIZES FOR EACH TYPE OF WORKAREA THAT GRS STORAGE MANAGER PROCESSES.		
		End of Comment		
2	DECIMAL	504	SMPTWKAS	SIZE OF A TINY WORK AREA
2	DECIMAL	4000	SMPHWKAS	SIZE OF A HUGE WORK AREA
2	DECIMAL	4032	SMPMAXSZ	Maximum size block that can be requested of the storage manager

SMPL Cross Reference

Name	Hex Offset	Hex Value
SMPCADDR	C	
SMPCELL	0	
SMPCNUM	8	
SMPEND	10	
SMPEOPL	0	80
SMPFLAGS	0	
SMPGLIND	0	40
SMPINDEX	2	
SMPL	0	
SMPNCELL	0	
SMPRSV2	0	10
SMPRSV3	0	08
SMPRSV4	0	04
SMPRSV5	0	02
SMPRSV6	0	01
SMPRSV7	1	
SMPRSV8	4	
SMPSIZE	2	
SMPSTIND	0	20

SMWKRSCB Heading Information

Common Name: SUMMARY DUMP REAL STORAGE CONTROL BLOCK
Macro ID: IHASDRSB
DSECT Name: SMWKRSCB
Owning Component: SVC Dump (SCDMP)
Eye-Catcher ID: NONE
Storage Attributes: Main Storage: One per system
Subpool: 239
Key: 0
Residency: Above 16M
Size: DECIMAL 16384, X'4000'
Created by: IEAVTSDI
Pointed to by: SMWKRSM
Serialization: Same as the RTCT
Function: MAPS THE PART OF THE SUMMARY DUMP WORK AREA USED BY THE REAL STORAGE MANAGEMENT FUNCTION (RSM) TO CONTAIN IMPORTANT ADDRESSES AND COUNTERS WHICH DESCRIBE THE REAL STORAGE BUFFER OBTAINED BY RSM FOR SUMMARY DUMP USE DURING A SUMMARY SVC DUMP REQUEST.

SMWKRSCB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	16384	SMWKRSCB	REAL STORAGE BUFFER CONTROL AREA
0	(0)	BITSTRING	1	SMWKFLAG	RESERVED
		1...		SMWKSDWR	AT LEAST 1 RECORD OF THE SUMMARY DUMP HAS BEEN WRITTEN TO THE DUMP DATASET
1	(1)	BITSTRING	1	SMWKFCDE	FUNCTION CODE USED TO INDICATE THE TYPE OF REQUEST TO RSM
2	(2)	UNSIGNED	2	SMWKFRHD	Real storage frames Requested/Held, insure logical compares
4	(4)	SIGNED	4	SMWKLSTL	NUMBER OF ENTRIES IN THE LIST POINTED TO BY SMWKLSTA
8	(8)	SIGNED	4	SMWKLSTA	ADDRESS OF THE REAL FRAME POINTERS LIST
12	(C)	ADDRESS	4	SMWKTSDS	ADDRESS OF SUM DUMP STEAL BACK
16	(10)	CHARACTER	8	SMWKSB64	64-bit steal back address
16	(10)	UNSIGNED	4	SMWKSBRV	Reserved
20	(14)	ADDRESS	4	SMWKSBAD	31-bit steal back address
24	(18)	CHARACTER	16360	SMWKRSFM	TABLE OF REAL STORAGE FRAME ADDRESSES
24	(18)	CHARACTER	8	SMWKFRMA64 (2045)	REAL ADDRESS OF EACH FRAME
24	(18)	UNSIGNED	4	*	Reserved in S/390 mode
28	(1C)	ADDRESS	4	SMWKFRMA	Real address of each frame for S/390 mode

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SMWKRSCB Constants

Len	Type	Value	Name	Description
		Comment		
		THE FOLLOWING CONSTANTS ARE USED TO SET THE FUNCTION CODE USED TO TELL RSM THE TYPE OF REQUEST.		
		End of Comment		
1	HEX	00	SMWKLOK1	OBTAIN RSM SERIALIZATION TO GET REAL STORAGE
1	HEX	01	SMWKLOK2	OBTAIN RSM SERIALIZATION TO TO FREE REAL STORAGE
1	HEX	02	SMWKFLOK	FREE RSM SERIALIZATION
1	HEX	03	SMWKGRSB	OBTAIN THE REAL STORAGE BUFFER
1	HEX	04	SMWKFRUN	FREE UNUSED REAL FRAMES PERFORM RECLAIM
1	HEX	05	SMWKFUSE	FREE USED REAL FRAMES NO RECLAIM
1	HEX	06	SMWKFALL	FREE ALL REAL STORAGE

SMWKRSCB Cross Reference

Name	Hex Offset	Hex Value
SMWKFCDE	1	
SMWKFLAG	0	
SMWKFRHD	2	
SMWKFRMA	1C	
SMWKFRMA64	18	
SMWKLSTA	8	
SMWKLSTL	4	
SMWKRSCB	0	
SMWKRSFM	18	
SMWKSBAD	14	
SMWKSBRV	10	
SMWKSB64	10	
SMWKSDWR	0	80
SMWKTSDS	C	

SNAPX Programming Interface information

Programming Interface information

SNAPX

End of Programming Interface information

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SNAPX Heading Information

Common Name: SNAPX PARAMETER LIST
Macro ID: IHASNAPX
DSECT Name: SNPPARMS
Owning Component: ABDUMP - (SCDMP)
Eye-Catcher ID: None
Storage Attributes: Subpool: Caller Specified
Key: Caller's key
Data Space: None
Residency: any,any
Size: 50 BYTES
Created by: Caller
Pointed to by: Caller
Serialization: None
Function: MAPS THE SNAPX PARAMETER LIST

SNAPX Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SNPPARMS	
0	(0)	SIGNED	4	(0)	
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"
0	(0)	BITSTRING	1	SNPIDENT	DUMP ID SUPPLIED BY USER
1	(1)	BITSTRING	1	SNPFLAG	FLAG BYTE 0
		1...		SNPSNAP	"BIT0" 0=SNAP REQUEST 1=SVC DUMP REQUEST
		.1..		SNPVS2	"BIT1" 0=OS/VS2 REL.1 PARAMETER LIST 1=OS/VS2 REL.2 PARAMETER LIST
		..1.		SNPVS2EN	"BIT2" 1=OS/VS2 ENHANCED SNAP
		...1		SNPABEND	"BIT3" 0=ABEND IS CALLER 1=SNAP REQUEST
		.... 1...		SNPID	"BIT4" 1=ID SPECIFIED
		.... .1..		SNPTCB	"BIT5" 1=TCB SPECIFIED
		.... ..1.		SNPSLIST	"BIT6" 1=STORAGE LIST SPECIFIED
		1		SNPHDR	"BIT7" 1=HEADER LIST SPECIFIED
2	(2)	BITSTRING	1	SNPFLAG1	FLAG BYTE 1
		1...		SNPVS3	"BIT0" 1=OS/VS2 JBB1226

Comment

```
EQU BIT1 RESERVED
EQU BIT2 RESERVED
EQU BIT3 RESERVED
```

End of Comment

		.... 1...		SNPDLIST	"BIT4" 1=DATA SPACES LIST SPECIFIED
		.... .1..		SNPLVL2	"BIT5" 1=HBB2102 SNAP PARMLIST
		.... ..1.		SNPSUBP	"BIT6" 1=SUBPOOL LIST SUPPLIED
		1		SNPLVL3	"BIT7" 1=HBB3310 PARMLIST
3	(3)	BITSTRING	1	SNPVRSN	VERSION NUMBER, 1=HBB3310
4	(4)	BITSTRING	1	SNPSDATA	SDATA OPTIONS
		1...		SNPNUC	"BIT0" 1=DUMP NUCLEUS,PSA,SQA,LSQA
		.1..		SNPSQA	"BIT1" 1=DUMP SQA
		..1.		SNPLSQA	"BIT2" 1=DUMP LSQA

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		...1		SNPSWA	"BIT3" 1=DUMP SWA
		.... 1...		SNPTRT	"BIT4" 1=INCLUDE TRACE TABLE (SUPERVISOR OR GTF)
		.... .1..		SNPCB	"BIT5" 1=FORMAT CNTRL BLKS FOR TASK
		.... ..1.		SNPQCB	"BIT6" 1=FORMAT ENQUEUE CNTRL BLKS FOR TASK
		1		SNPDM	"BIT7" 1=FORMAT DATA MGT. CONTROL BLKS.
5	(5)	BITSTRING	1	SNPSDAT1	SDATA OPTIONS
		1...		SNPIO	"BIT0" 1-FORMAT CONTROL BLKS.
		.1..		SNPERR	"BIT1" 1=FORMAT ERROR CONTROL BLKS
		..1.		SNPPCDAT	"BIT2" 1=PCDATA WAS REQUESTED
		...1		SNPSUM	"BIT3" 1=DISPLAY SUMMARY DUMP
		.... 1...		SNPALLVN	"BIT4" 1=DISPLAY VIRTUAL NUCLEUS
		Comment			
		EQU BIT5 RESERVED EQU BIT6 RESERVED EQU BIT7 RESERVED			
		End of Comment			
6	(6)	BITSTRING	1	SNPPDATA	PDATA OPTIONS
		1...		SNPSAVE	"BIT0" 1=DISPLAY SAVE AREA TRACE
		.1..		SNPSAVE2	"BIT1" 0=DISPLAY ENTIRE SAVE AREA 1=DISPLAY SAVE AREA HEADS
		..1.		SNPREGS	"BIT2" 1=DISPLAY REGS- ENTRY TO SNAP/ABEND
		...1		SNPLPA	"BIT3" 1=DISPLAY ACTIVE LPA MODULES
		.... 1...		SNPJPA	"BIT4" 1=DISPLAY JPA MODULES
		.... .1..		SNPPSW	"BIT5" 1=DISPLAY PSW, ILC, INTERRUPT CODE
		.... ..1.		SNPSPLS	"BIT6" 1=DISPLAY USER SUBPOOLS: 0-127
		1		SNPSTSK	"BIT7" 1=DISPLAY SUBTASK DATA
7	(7)	BITSTRING	1		RESERVED
8	(8)	ADDRESS	4	SNPDCB	ADDRESS OF DCB FOR DUMP DATA SET
12	(C)	ADDRESS	4	SNPTCBA	ADDRESS OF TCB TO BE DISPLAYED
16	(10)	ADDRESS	4	SNPSTOR	ADDRESS OF STORAGE LIST LIST CONTAINS BEGIN AND END ADDR OF AREAS TO BE DUMPED
20	(14)	ADDRESS	4	SNPHDRA	ADDR OF HEADER LIST
24	(18)	ADDRESS	4	SNPSUBL	ADDR OF SUBPOOL LIST
28	(1C)	SIGNED	4	SNPDCBAL	ALET OF DCB
32	(20)	SIGNED	4	SNPSTRAL	ALET OF STORAGE/LIST
36	(24)	SIGNED	4	SNPHDRAL	ALET OF HEADER LIST
40	(28)	SIGNED	4	SNPSPLAL	ALET OF SUBPOOL LIST
44	(2C)	ADDRESS	4	SNPDSPL	ADDR OF STOKEN LIST
48	(30)	SIGNED	4	SNPDSPAL	ALET OF STOKEN LIST

SNAPX Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
BIT0	0	80	SNPERR	5	40
BIT1	0	40	SNPFLAG	1	
BIT2	0	20	SNPFLAG1	2	
BIT3	0	10	SNPHDR	1	1
BIT4	0	8	SNPHDRA	14	
BIT5	0	4	SNPHDRAL	24	
BIT6	0	2	SNPID	1	8
BIT7	0	1	SNPIDENT	0	
SNPABEND	1	10	SNPIO	5	80
SNPALLVN	5	8	SNPJPA	6	8
SNPCB	4	4	SNPLPA	6	10
SNPDCB	8		SNPLSQA	4	20
SNPDCBAL	1C		SNPLVL2	2	4
SNPDLIST	2	8	SNPLVL3	2	1
SNPDM	4	1	SNPNUC	4	80
SNPDSPAL	30		SNPPARMS	0	
SNPDSPL	2C		SNPPCDAT	5	20

SNAPX Cross Reference

Name	Hex Offset	Hex Value
SNPPDATA	6	
SNPPSW	6	4
SNPQCB	4	2
SNPREGS	6	20
SNPSAVE	6	80
SNPSAVE2	6	40
SNPSDATA	4	
SNPSDAT1	5	
SNPSLIST	1	2
SNPSNAP	1	80
SNPSPLAL	28	
SNPSPLS	6	2
SNPSQA	4	40
SNPSTOR	10	
SNPSTRAL	20	
SNPSTSK	6	1
SNPSUBL	18	
SNPSUBP	2	2
SNPSUM	5	10
SNPSWA	4	10
SNPTCB	1	4
SNPTCBA	C	
SNPTRT	4	8
SNPVRSN	3	
SNPVS2	1	40
SNPVS2EN	1	20
SNPVS3	2	80

SPD Heading Information

Common Name: VSM Cell Pool Secondary Extent Descriptor
Macro ID: IGVSPD
DSECT Name: SPD
Owning Component: Virtual Storage Manager (SC1CH)
Subpool and Key: 245, 255 and key 0 (Residence - above 16M line)
Size: 64 bytes
Created by: IGVCPBLD and IGVCPEXT
Pointed to by: PPDSPD, SPDNEXT
Serialization: LOCAL/CML lock for local cell pools
VSMPAG for pageable global cell pools
VSMFIX for fixed global cell pools
Function: Anchor for the secondary cell pool extents.

SPD Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	64	SPD	SECONDARY POOL DESCRIPTOR
0	(0)	CHARACTER	4	SPDID	CONTROL BLOCK IDENTIFIER
4	(4)	ADDRESS	4	SPDNEXT	POINTER TO NEXT SPD
8	(8)	ADDRESS	4	SPDSXT (14)	ARRAY OF EXTENT POINTERS

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SPQA Heading Information

Common Name: VSM Subpool Queue Anchors
Macro ID: IHASPQA
DSECT Name: SPQA, SPQX
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
Storage Attributes: Subpool: 255
Key: 0
Residency: Above 16M line
Size: SPQA -- 24 bytes
SPQX -- 24 bytes
Created by: IGVGPVT, IGVGAPVT, IGVSTSKI
Pointed to by: SPQESPQA, SPQESPQX
Serialization: LOCAL lock
Function: Contains the anchors for the DQE queues.

SPQA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	24	SPQA	SUBPOOL QUEUE ANCHORS
0	(0)	CHARACTER	8	SPQABDQE	BACKED BELOW DQE QUEUE ANCHORS
0	(0)	ADDRESS	4	SPQAFBDQ	ADDRESS OF FIRST DQE FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED BELOW 16M
4	(4)	ADDRESS	4	SPQALBDQ	ADDRESS OF LAST DQE FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED BELOW 16M
8	(8)	CHARACTER	8	SPQAADQE	BACKED ANYWHERE DQE QUEUE ANCHORS
8	(8)	ADDRESS	4	SPQAFADQ	ADDRESS OF FIRST DQE, FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED ANYWHERE
12	(C)	ADDRESS	4	SPQALADQ	ADDRESS OF LAST DQE, FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED ANYWHERE
16	(10)	CHARACTER	8	SPQA6DQE	VIRTUAL BELOW, REAL ANY64
16	(10)	ADDRESS	4	SPQAF6DQ	ADDRESS OF FIRST BANY64 DQE FOR THIS SUBPOOL/KEY
20	(14)	ADDRESS	4	SPQAL6DQ	ADDRESS OF LAST BANY64 DQE FOR THIS SUBPOOL/KEY

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	16	SPQX	SPQA extension. It has the "above" queues
0	(0)	CHARACTER	8	SPQXEDQE	EXTENDED DQE QUEUE ANCHORS
0	(0)	CHARACTER	8	SPQAEDQE	EXTENDED DQE QUEUE ANCHORS
0	(0)	ADDRESS	4	SPQXFEDQ	ADDRESS OF FIRST EXTENDED DQE FOR THIS SUBPOOL/KEY
0	(0)	ADDRESS	4	SPQAFEDQ	
4	(4)	ADDRESS	4	SPQXLEDQ	ADDRESS OF LAST EXTENDED DQE FOR THIS SUBPOOL/KEY
4	(4)	ADDRESS	4	SPQALEDQ	
8	(8)	CHARACTER	8	SPQX7DQE	ANY31,ANY64
8	(8)	CHARACTER	8	SPQA7DQE	ANY31,ANY64
8	(8)	ADDRESS	4	SPQXF7DQ	ADDRESS OF FIRST ANY31ANY64 DQE FOR THIS SUBPOOL/KEY
8	(8)	ADDRESS	4	SPQAF7DQ	
12	(C)	ADDRESS	4	SPQXL7DQ	ADDRESS OF LAST ANY31ANY64 DQE FOR THIS SUBPOOL/KEY
12	(C)	ADDRESS	4	SPQAL7DQ	

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SPQA Cross Reference

Name	Hex Offset	Hex Value
SPQA	0	
SPQAADQE	8	
SPQABDQE	0	
SPQAEDQE	0	
SPQAFADQ	8	
SPQAFBDQ	0	
SPQAFEDQ	0	
SPQAF6DQ	10	
SPQAF7DQ	8	
SPQALADQ	C	
SPQALBDQ	4	
SPQALEDQ	4	
SPQAL6DQ	14	
SPQAL7DQ	C	
SPQA6DQE	10	
SPQA7DQE	8	
SPQX	0	
SPQXEDQE	0	
SPQXFEDQ	0	
SPQXF7DQ	8	
SPQXLEDQ	4	
SPQXL7DQ	C	
SPQX7DQE	8	

SPQE Heading Information

Common Name: VSM Subpool Queue Element
Macro ID: IHASPQE
DSECT Name: SPQE
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
Storage Attributes: Subpool: 255
Key: 0
Residency: Above 16M line
Size: 24 bytes
Created by: IGVGPVT, IGVSTSKI, IGVGAPVT
Pointed to by: SPQENEXT, TCBMSS, TCBUKYSP, TCBSWA
Serialization: LOCAL lock
Function: Describes the space allocated to a subpool and the attributes of that space.

SPQE Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	20	SPQE	SUBPOOL QUEUE ELEMENT
0	(0)	ADDRESS	4	SPQENEXT	ADDRESS OF NEXT SPQE
4	(4)	ADDRESS	4	SPQESPQX	ADDRESS OF EXTENDED PART OF SPQA
8	(8)	ADDRESS	4	SPQESPQA	ADDRESS OF SPQA
12	(C)	ADDRESS	4	SPQETCB	ADDRESS OF OWNING TCB
16	(10)	CHARACTER	3	SPQESPKY	SUBPOOL AND KEY COMBINATION
16	(10)	SIGNED	2	SPQESPID	SUBPOOL ID
16	(10)	UNSIGNED	1	*	RESERVED
17	(11)	UNSIGNED	1	SPQEID	LOW ORDER BYTE OF SUBPOOL ID
18	(12)	BITSTRING	1	SPQEKEY	STORAGE KEY OF SPACE WITHIN THIS SUBPOOL (BITS 0 - 3)
19	(13)	BITSTRING	1	SPQEFLGS	SPQE FLAG FIELD
		1...		SPQESHR	IF ONE SUBPOOL IS SHARED
		.1..		*	
		..1.		SPQEOWN	IF ONE SUBPOOL IS OWNED

SPQE Cross Reference

Name	Hex Offset	Hex Value
SPQE	0	
SPQEFLGS	13	
SPQEID	11	
SPQEKEY	12	
SPQENEXT	0	
SPQEOWN	13	20
SPQESHR	13	80
SPQESPID	10	
SPQESPKY	10	
SPQESPQA	8	
SPQESPQX	4	
SPQETCB	C	

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SPT Heading Information

Common Name: VSM Subpool Table
Macro ID: IHASPT
DSECT Name: SPT
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: SPT
Offset: 0
Length: 4
Storage Attributes: Subpool: 245
Key: 0
Residency: Above 16M line
Size: 1540 bytes
Created by: IEAVNP08
Pointed to by: GDASPT
Serialization: VSMFIX lock for fixed CSA subpools
VSMPAG lock for pageable CSA subpools
Function: Contains the anchors for the CSA DQE queues.

SPT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	2564	SPT	SUBPOOL TABLE
0	(0)	CHARACTER	4	SPTID	CONTROL BLOCK IDENTIFIER
4	(4)	CHARACTER	40	SPTNTRY (4,15)	SUBPOOL TABLE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	40	SPTENT	SUBPOOL TABLE ENTRY
0	(0)	CHARACTER	8	SPTBDQE	BACKED BELOW DQE QUEUE ANCHORS
0	(0)	ADDRESS	4	SPTFBDQE	ADDRESS OF FIRST DQE FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED BELOW 16M
4	(4)	ADDRESS	4	SPTLBDQE	ADDRESS OF LAST DQE FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED BELOW 16M
8	(8)	CHARACTER	8	SPTADQE	BACKED ANYWHERE DQE QUEUE ANCHORS
8	(8)	ADDRESS	4	SPTFADQE	ADDRESS OF FIRST DQE, FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED ANYWHERE
12	(C)	ADDRESS	4	SPTLADQE	ADDRESS OF LAST DQE, FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED ANYWHERE
16	(10)	CHARACTER	8	SPT6DQE	BELOW,ANY64 DQE queue anchors
16	(10)	ADDRESS	4	SPTF6DQE	Address of first BANY64 DQE for this subpool/key
20	(14)	ADDRESS	4	SPTL6DQE	Address of last BANY64 DQE for this subpool/key
24	(18)	CHARACTER	8	SPTEDQE	EXTENDED DQE QUEUE ANCHORS
24	(18)	ADDRESS	4	SPTFEDQE	ADDRESS OF FIRST EXTENDED DQE FOR THIS SUBPOOL/KEY
28	(1C)	ADDRESS	4	SPTLEDQE	ADDRESS OF LAST EXTENDED DQE FOR THIS SUBPOOL/KEY
32	(20)	CHARACTER	8	SPT7DQE	ANY31,ANY64 DQE queue anchors
32	(20)	ADDRESS	4	SPTF7DQE	Address of first ANY31ANY64 DQE for this subpool/key
36	(24)	ADDRESS	4	SPTL7DQE	Address of last ANY31ANY64 DQE for this subpool/key

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SPT Constants

Len	Type	Value	Name	Description
4	DECIMAL	1	SPT227	SPT INDEX FOR SUBPOOL 227
4	DECIMAL	2	SPT228	SPT INDEX FOR SUBPOOL 228
4	DECIMAL	3	SPT231	SPT INDEX FOR SUBPOOL 231
4	DECIMAL	4	SPT241	SPT INDEX FOR SUBPOOL 241

SPT Cross Reference

Name	Hex Offset	Hex Value
SPT	0	
SPTADQE	8	
SPTBDQE	0	
SPTEDQE	18	
SPTENT	0	
SPTFADQE	8	
SPTFBDQE	0	
SPTFEDQE	18	
SPTF6DQE	10	
SPTF7DQE	20	
SPTID	0	
SPTLADQE	C	
SPTLBDQE	4	
SPTLEDQE	1C	
SPTL6DQE	14	
SPTL7DQE	24	
SPTNTRY	4	
SPT6DQE	10	
SPT7DQE	20	

SPTRC Heading Information

Common Name: Supervisor Control Services System Trace Entry Templates
Macro ID: IHASPTRC
DSECT Name: SPETCL1 SPETCL2 SPESC2 SPESC4 SPESCA SPDSGNL SPDISGNL SPRPSGNL SPSCHF SPPRT
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: None
Storage Attributes: Subpool: 239
Key: 0
Residency: Above 16 megabytes in virtual storage
Size: 20 BYTES PER TEMPLATE
Created by: IEAVERI
IEAVESC0
IEAVETCL
IEAVSCHA
IEAVSCHD
IEAVSRBP
IEAVSRBR
IEAVSRBS
IEAVSCHF
IEAVEGAR
IEAVEGUR
Pointed to by: WSACSTPL field of the CPU-related WSAVT
Serialization: Disablement serializes system trace parameter list.
Function: Provides a template for building and documenting Supervisor Control services System Trace Table entries.

Note: This mapping macro contains multiple mappings of the supervisor control system trace data. The first word in each entry appears under the heading 'Address-' in the formatted trace tables. The remaining words appear under: Unique-1, Unique-2, Unique-3, and Unique-4.

SPTRC Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	20	SPETCL1	IEAVSPN1 ENTRY POINT OF IEAVETCL SYSTEM TRACE ENTRY TEMPLATE (SRVID=X010E)
0	(0)	ADDRESS	4	SPET1RET	CALLERS RETURN ADDRESS
4	(4)	ADDRESS	4	SPET1TAA	TARGET ADDRESS SPACE ASCB ADDRESS
8	(8)	ADDRESS	4	SPET1TAR	ADDRESS OF TCB TO BE SUSPENDED
12	(C)	ADDRESS	4	SPET1RAR	ADDRESS OF RB TO BE SUSPENDED
16	(10)	BITSTRING	1	SPET1FLG	IEAVETCL OPTION FLAG BYTE
		1111 1...		*	RESERVED
		.... .1..		SPET1FRB	RB OPERAND INDICATION FLAG (0 - RB=CURRENT AND 1 - RB= PREVIOUS)
17	(11)	CHARACTER	3	SPET1RSV	RESERVED
20	(14)	CHARACTER	0	SPETCL1E	END OF IEAVETCL SYSTEM TRACE ENTRY TEMPLATE

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Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	20	SPETCL2	IEAVRSH1, IEAVRSS1, IEAVRSU1, IEAVRSC1, IEAVRSA1, IEAVRSRB, IEAVRSMS ENTRY POINTS OF IEAVETCL SYSTEM TRACE ENTRY TEMPLATE (SRVID=X010F)
0	(0)	ADDRESS	4	SPET2RET	CALLERS RETURN ADDRESS OR 0 WHICH INDICATES THAT THE RETURN=N OPTION WAS SPECIFIED ON THE RESUME MACRO
4	(4)	ADDRESS	4	SPET2TAA	TARGET ADDRESS SPACE ASCB ADDRESS
8	(8)	ADDRESS	4	SPET2TAR	ADDRESS OF TCB TO BE RESUMED
		1...		SPET2FMD	MODE OPERAND INDICATION FLAG (1 - MODE=COND AND 0 - MODE= UNCOND)
12	(C)	ADDRESS	4	SPET2RAR	ADDRESS OF RB TO BE RESUMED
		1...		SPET2FRS	RSM RESET REQUEST INDICATION (1 - RSM RESET REQUESTED AND 0 - RSM RESET NOT REQUESTED)
16	(10)	BITSTRING	1	SPET2FLG	IEAVETCL OPTION FLAG BYTE
		1...		SPET2FAS	ASYNC OPERAND INDICATION FLAG (1 - ASYNC=YES AND 0 - ASYNC= NO)
17	(11)	CHARACTER	3	SPET2RSV	RESERVED
20	(14)	CHARACTER	0	SPETCL2E	END OF IEAVETCL SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	20	SPESC2	IEAVESC2 AND IEAVESC8 ENTRY POINTS OF IEAVESC0, AND IEAVSCHA, and IEAVSCHD SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0110, X0112, X011B, X011D)
0	(0)	ADDRESS	4	SPES2RET	CALLERS RETURN ADDRESS
4	(4)	SIGNED	4	SPES2SRB	ADDRESS OF SRB TO BE SCHEDULED
8	(8)	ADDRESS	4	SPES2TAA	TARGET ADDRESS SPACE ASCB ADDRESS
12	(C)	ADDRESS	4	SPES2EPA	ENTRY POINT ADDRESS OF ROUTINE TO EXECUTE IN THE TARGET ADDRESS SPACE
16	(10)	BITSTRING	1	SPES2PK	PROTECT KEY INDICATOR
17	(11)	BITSTRING	1	SPES2OPF	SRB OPTION FLAGS (SEE SRBFLGS)
17	(11)	BITSTRING	1	SPES2FL1	IEAMSCHD FLAGS1
18	(12)	BITSTRING	1	SPES2TPF	SRB TYPE FLAGS (SEE SRBFLGS1)
18	(12)	BITSTRING	1	SPES2FL2	IEAMSCHD FLAGS2
19	(13)	BITSTRING	1	SPES2HLH	SUSPEND LOCKS HELD AT SRB SUSPENSION INDICATOR
19	(13)	BITSTRING	1	SPES2FL3	IEAMSCHD FLAGS3
20	(14)	CHARACTER	0	SPESC2E	END OF IEAVESC0, IEAVSCHA SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	20	SPESC4	IEAVESC4 ENTRY POINT OF IEAVESC0 SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0111)
0	(0)	ADDRESS	4	SPES4RET	IEAVESC4 CALLERS RETURN ADDRESS
4	(4)	CHARACTER	16	SPES4RSV	RESERVED
20	(14)	CHARACTER	0	SPESC4E	END OF IEAVESC4 SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	20	SPESCA	IEAVESCA AND IEAVESCC ENTRY POINTS OF IEAVESC0 SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0116 AND X0117)
0	(0)	ADDRESS	4	SPESARET	CALLERS RETURN ADDRESS
4	(4)	ADDRESS	4	SPESASRB	ADDRESS OF SRB TO BE SCHEDULED
8	(8)	ADDRESS	4	SPESATAA	TARGET ADDRESS SPACE ASCB ADDRESS
12	(C)	BITSTRING	8	SPESASTK	STOKEN REPRESENTING THE TARGET ADDRESS SPACE.
20	(14)	CHARACTER	0	SPESCAE	END OF IEAVESC0 SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	20	SPDSGNL	DSGNL SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0113)
0	(0)	ADDRESS	4	SPDSGRET	DSGNL CALLERS RETURN ADDRESS
4	(4)	UNSIGNED	2	SPDSGPCR	PHYSICAL CPU ID OF PROCESSOR REQUESTING THE DSGNL
6	(6)	UNSIGNED	2	SPDSGPCT	PHYSICAL CPU ID OF PROCESSOR THAT IS THE TARGET OF THE DSGNL
8	(8)	UNSIGNED	4	SPDSGST	STATUS REGISTERS CONTENTS (IF SPDSGRC=8) OR ZERO
12	(C)	UNSIGNED	1	SPDSGSOC	SIGP ORDER CODE
13	(D)	UNSIGNED	1	SPDSGRC	IEAVESGP RETURN CODE
14	(E)	CHARACTER	6	SPDSGRSV	RESERVED
20	(14)	CHARACTER	0	SPDSGNLE	END OF DSGNL SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	20	SPRISGNL	RISGNL SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0114)
0	(0)	ADDRESS	4	SPRISRET	RISGNL CALLERS RETURN ADDRESS
4	(4)	UNSIGNED	2	SPRISPCR	PHYSICAL CPU ID OF PROCESSOR REQUESTING THE RISGNL
6	(6)	UNSIGNED	2	SPRISPCT	PHYSICAL CPU ID OF PROCESSOR THAT IS THE TARGET OF THE RISGNL
8	(8)	UNSIGNED	1	SPRISSOC	SIGP ORDER CODE
9	(9)	UNSIGNED	1	SPRISRC	IEAVESGP RETURN CODE
10	(A)	CHARACTER	10	SPRISRSV	RESERVED
20	(14)	CHARACTER	0	SPRISGLE	END OF RISGNL SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	20	SPRPSGNL	RPSGNL SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0115)
0	(0)	ADDRESS	4	SPRPSRET	RPSGNL CALLERS RETURN ADDRESS
4	(4)	UNSIGNED	2	SPRPSPCR	PHYSICAL CPU ID OF PROCESSOR REQUESTING THE RPSGNL
6	(6)	UNSIGNED	2	SPRPSPCT	PHYSICAL CPU ID OF PROCESSOR THAT IS THE TARGET OF THE RPSGNL
8	(8)	UNSIGNED	1	SPRPSSOC	SIGP ORDER CODE
9	(9)	UNSIGNED	1	SPRPSRC	IEAVESGP RETURN CODE
10	(A)	CHARACTER	10	SPRPSRSV	RESERVED
20	(14)	CHARACTER	0	SPRPSGLE	END OF RPSGNL SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	20	SPSRPSRB	SRB Suspend/Resume/Purge System Trace Entry template The suspend entry is also logged by IEAVSCHA. (SSRVID=X0118/X0119/X011A).
0	(0)	ADDRESS	4	SPSRRESA	Address at which the SRB will be resumed.
4	(4)	ADDRESS	4	SPSRSSRB	Address of the SRB assciated with the suspended SRB routine.
8	(8)	CHARACTER	8	SPSRTKN	Suspend Token which uniquely identifies the suspended routine.
16	(10)	CHARACTER	4	SPSRRSV	Reserved.
20	(14)	CHARACTER	0	SPSRPE	End of SRB Suspend/Resume/Purge System Trace entry template.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	20	SPSCHF	IEAVSCHF exit to user routine. This is an SRB Dispatch out of the Sched w/Addr front-end (SRVID=X'011C')
0	(0)	CHARACTER	8	SPPSW	SRB Dispatch PSW

SPTRC Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
8	(8)	CHARACTER	4	SPSRBAD	User's Register 0
12	(C)	CHARACTER	4	SPSRBPRM	User's SRB parameter
16	(10)	CHARACTER	4	SPSRBFRR	User's FRR parm or value in R2 at time of SRB Dispatch.
20	(14)	CHARACTER	0	SPESCHF	End of IEAVSCHF System Trace entry template.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	20	SPPRT	Pause/Release/Transfer System Trace Entry template The Pause entry is logged by IEAVEGAR and IEAVEGUR. (SSRVID=X011E/X011F)
0	(0)	ADDRESS	4	SPPRTCRA	Return address of the caller of the Pause/Release/ Transfer service
4	(4)	ADDRESS	4	SPPRTSSD	Address of the SSD assciated with the Paused DU routine.
8	(8)	ADDRESS	4	SPPRTSSD2	For a transfer Pause trace: Address of the SSD associated with the DU to which the transfer went. For a transfer Release trace: Address of the SSD associated with the DU from which the transfer came.
12	(C)	ADDRESS	4	SPPRTDUA	For Release/transfer Release: Address of the DU being released. WEB address for SRBs TCB address for Tasks
16	(10)	UNSIGNED	2	SPPRTASN	For Release/transfer Release: ASN of the DU being released
18	(12)	CHARACTER	2	SPPRTRSV	Reserved
20	(14)	CHARACTER	0	SPPRTE	End of Pause/Release/Transfer System Trace entry template.

SPTRC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SPDSGNL	0		SPETCL2	0	
SPDSGNLE	14		SPETCL2E	14	
SPDSGPCR	4		SPET1FLG	10	
SPDSGPCT	6		SPET1FRB	10	04
SPDSGRC	D		SPET1RAR	C	
SPDSGRET	0		SPET1RET	0	
SPDSGRSV	E		SPET1RSV	11	
SPDSGSOC	C		SPET1TAA	4	
SPDSGST	8		SPET1TAR	8	
SPESARET	0		SPET2FAS	10	80
SPESASRB	4		SPET2FLG	10	
SPESASTK	C		SPET2FMD	8	80
SPESATAA	8		SPET2FRS	C	80
SPESCA	0		SPET2RAR	C	
SPESCAE	14		SPET2RET	0	
SPESCHF	14		SPET2RSV	11	
SPESC2	0		SPET2TAA	4	
SPESC2E	14		SPET2TAR	8	
SPESC4	0		SPPRT	0	
SPESC4E	14		SPPRTASN	10	
SPES2EPA	C		SPPRTCRA	0	
SPES2FL1	11		SPPRTDUA	C	
SPES2FL2	12		SPPRTE	14	
SPES2FL3	13		SPPRTRSV	12	
SPES2HLH	13		SPPRTSSD	4	
SPES2OPF	11		SPPRTSSD2	8	
SPES2PK	10		SPPSW	0	
SPES2RET	0		SPRISGLE	14	
SPES2SRB	4		SPRISGNL	0	
SPES2TAA	8		SPRISPCR	4	
SPES2TPF	12		SPRISPCT	6	
SPES4RET	0		SPRISRC	9	
SPES4RSV	4		SPRISRET	0	
SPETCL1	0		SPRISRSV	A	
SPETCL1E	14		SPRISSOC	8	

Name	Hex Offset	Hex Value
SPRPSGLE	14	
SPRPSGNL	0	
SPRPSPCR	4	
SPRPSPCT	6	
SPRPSRC	9	
SPRPSRET	0	
SPRPSRSV	A	
SPRPSSOC	8	
SPSCHF	0	
SPSRBAD	8	
SPSRBFRR	10	
SPSRBPRM	C	
SPSRPE	14	
SPSRPSRB	0	
SPSRRESA	0	
SPSRRSV	10	
SPSRSSRB	4	
SPSRTKN	8	

SPTT Heading Information

Common Name: VSM Subpool Translation Table
Macro ID: IGVSPTT
DSECT Name: SPTT
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
Storage Attributes: Subpool: Nucleus
Key: 0
Residency: Above 16M
Size: 260 bytes
Created by: IPL
Pointed to by: GDASPTT
Serialization: None
Function: Describes storage characteristics for each external subpool ID.

SPTT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	10	SPTTENT	SUBPOOL TRANSLATION TABLE ENTRY
0	(0)	UNSIGNED	1	SPTTTYPE	TYPE OF STORAGE
1	(1)	UNSIGNED	1	SPTTOWN	STORAGE OWNERSHIP
2	(2)	CHARACTER	1	SPTTCHAR	STORAGE CHARACTERISTICS
		1...		SPTTFIX	0 => PAGABLE 1 => FIXED IGNORED IF SPTTDREF='1'B
		.1..		SPTTPROT	0 => NON-FETCH PROTECTION 1 => FETCH PROTECTION
		..1.		SPTTVABV	1 => ALLOCATE ABOVE 16M
		...1		SPTTVBLW	1 => ALLOCATE BELOW 16M
		.... 1...		SPTTREAL	0 => BACKED BELOW 16M 1 => BACKED ANYWHERE < 2G
		.... 1...		SPTTR31	0 => BACKED BELOW 16M 1 => BACKED ANYWHERE < 2G (Also on when SPTTR64)
		.... .1..		SPTTFBQE	0 => ALLOCATE FROM LOW TO HIGH 1 => ALLOCATE FROM HIGH TO LOW
		.... ..1.		SPTTKSPC	0 => SUBPOOL HAS NO SPECIFIC KEY 1 => SUBPOOL HAS SPECIFIC KEY
		1		SPTTKTCB	0 => USE PSW KEY 1 => USE TCB KEY IGNORED IF SPTTKSPC = '1'B
3	(3)	CHARACTER	1	SPTTATTR	STORAGE ATTRIBUTES
		1...		SPTTDREF	0 => NOT DREF STORAGE 1 => DREF STORAGE
		.1..		SPTTR64	1 => BACKED Anywhere
		..1.		*	RESERVED
		...1		*	RESERVED
		.... 1...		*	RESERVED
		.... .1..		*	RESERVED
		.... ..1.		*	RESERVED
		1		*	RESERVED
4	(4)	CHARACTER	1	SPTTFLGS	MISC. FLAGS
		1...		SPTTDEF	0 => SUBPOOL ID IS UNDEFINED 1 => SUBPOOL ID IS DEFINED
		.1..		SPTTAUTH	0 => NO AUTHORIZATION REQUIRED 1 => AUTHORIZATION REQUIRED
		..1.		SPTTEXTK	0 => KEY CAN NOT BE EXTERNALLY SPECIFIED 1 => KEY CAN BE EXTERNALLY SPECIFIED
		...1		SPTTSPFM	0 => CAN NOT BE SUBPOOL FREED 1 => CAN BE SUBPOOL FREED
		.... 1...		SPTTGLSP	0 => NOT ALLOWED ON GLOBAL ENTRY 1 => ALLOWED ON GLOBAL ENTRY
		.... .1..		SPTTROPT	0 => REAL OPTION CANNOT BE EXTERNALLY SPECIFIED 1 => REAL OPTION CAN BE EXTERNALLY SPECIFIED

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		SPTTCONV	0 => PAGES ARE OBTAINED FROM FBQES 1 => PAGES CAN BE CONVERTED FROM ANOTHER SUBPOOL
		1		SPTTBACK	0 => ALL PAGES ARE TO BE BACKED AT GETMAIN TIME 1 => ONLY FIRST PAGE IS TO BE BACKED AT GETMAIN TIME (USED ONLY FOR PAGEABLE SUBPOOLS) IGNORED IF SPTTDREF='1'B
5	(5)	UNSIGNED	1	SPTTKEY	SPECIFIC KEY - IF ONE EXISTS
6	(6)	SIGNED	2	SPTTSPID	EXTERNAL SUBPOOL ID
6	(6)	CHARACTER	1	*	
7	(7)	UNSIGNED	1	SPTTSP	EXTERNAL SUBPOOL ID
8	(8)	SIGNED	2	SPTTRTNI	IGVVSMRT ROUTINE INDEX
10	(A)	CHARACTER	0	SPTTEND	END OF SPTT MAP

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	SPTT	SUBPOOL TRANSLATION TABLE
0	(0)	CHARACTER	4	SPTTID	CONTROL BLOCK IDENTIFIER
4	(4)	UNSIGNED	1	SPTTINDX (0 255)	SUBPOOL TRANSLATION INDEX TBL
260	(104)	CHARACTER	10	SPTTNTRY (*)	SUBPOOL TRANSLATION TABLE ENTRIES

SPTT Constants

Len	Type	Value	Name	Description
1	DECIMAL	0	SPTTSQA	SQA STORAGE
1	DECIMAL	1	SPTTCSA	CSA STORAGE
1	DECIMAL	2	SPTTLSQA	LSQA STORAGE
1	DECIMAL	3	SPTTPVT	PRIVATE AREA STORAGE
1	DECIMAL	0	SPTTNONE	UNRELATED STORAGE
1	DECIMAL	1	SPTTMEM	MEMORY RELATED STORAGE
1	DECIMAL	2	SPTTSTEP	JOB-STEP RELATED STORAGE
1	DECIMAL	3	SPTTTASK	TASK RELATED STORAGE

SPTT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SPTT	0		SPTTR31	2	08
SPTTATTR	3		SPTTR64	3	40
SPTTAUTH	4	40	SPTTSP	7	
SPTTBACK	4	01	SPTTSPFM	4	10
SPTTCHAR	2		SPTTSPID	6	
SPTTCONV	4	02	SPTTTYPE	0	
SPTTDEF	4	80	SPTTVABV	2	20
SPTTDREF	3	80	SPTTVBLW	2	10
SPTTEND	A				
SPTTENT	0				
SPTTEXTK	4	20			
SPTTFBQE	2	04			
SPTTFIX	2	80			
SPTTFLGS	4				
SPTTGLSP	4	08			
SPTTID	0				
SPTTINDX	4				
SPTTKEY	5				
SPTTKSPC	2	02			
SPTTKTCB	2	01			
SPTTNTRY	104				
SPTTOWN	1				
SPTTPROT	2	40			
SPTTREAL	2	08			
SPTTROPT	4	04			
SPTTRTNI	8				

SQAT Heading Information

Common Name: VSM Size Queue Anchor Table
Macro ID: IHASQAT
DSECT Name: SQAT
Owning Component: Virtual Storage Manager (SC1CH)
Subpool and Key: Nucleus, 255 and key 0 (Residence - above 16M line)
Size: variable
Created by: IGVGCAS, IEAIPL04
Pointed to by: LDASQAT, LDAESQAT, GDASQAT5, GDAESQT5, GDASQAT6, GDASQAT9, GDAESQT9
Serialization: VSMFIX, LOCAL lock
Function: Array of queue headers into the SQA and LSQA size queues for allocation of virtual storage.

SQAT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SQAT	SIZE QUEUE ANCHOR TABLE
0	(0)	CHARACTER	12	SQATBASE	BASE PORTION OF SQAT
0	(0)	CHARACTER	4	SQATID	CONTROL BLOCK IDENTIFIER
4	(4)	SIGNED	4	SQATCNT	NUMBER OF ENTRIES IN THE TABLE
8	(8)	SIGNED	4	SQATMAXS	MAXIMUM SIZE IN THE TABLE
12	(C)	CHARACTER	8	SQATNTRY (*)	BEGINNING OF SIZE AND QUEUE HEADER ENTRIES. THERE IS ONE ENTRY (SIZE & QUEUE HEADER) FOR EACH ENTRY INTO THE DFE SIZE QUEUE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	8	SQATENT	SIZE QUEUE ANCHOR TABLE ENTRY
0	(0)	SIGNED	4	SQATSZ	LOWER BOUND OF FREE SPACE SIZE
4	(4)	ADDRESS	4	SQATDFE	ADDRESS OF THE FIRST DFE ON THE SIZE QUEUE GREATER THAN OR EQUAL TO THE SIZE OF THE LOWER BOUND

SQAT Constants

Len	Type	Value	Name	Description
4	DECIMAL	8	SQATMULT	MULTIPLICATION FACTOR RELATING SQAT INDEX TO REQUEST SIZE

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SRB Programming Interface information

Programming Interface information

SRB

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

- SRBASCB
- SRBCPAFF
- SRBEP
- SRBFRRA
- SRBID
- SRBPARM
- SRBPASID
- SRBPKF
- SRBPTCB
- SRBRMTR

End of Programming Interface information

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SRB Heading Information

Common Name: Service Request Block
Macro ID: IHASRB
DSECT Name: SRBSECT
Owning Component: SUPERVISOR CONTROL (SC1C5)
Eye-Catcher ID: SRB
Offset: 0
Length: 4
Storage Attributes: Subpool: Common, Fixed Storage
Key: 0
Residency: ABOVE OR BELOW THE 16M LINE
Size: 44 BYTES
Created by: Control program routines
Pointed to by: Built and initialized in user-allocated storage and passed as a parameter to the SCHEDULE macro. Pointed to by register 0 on entry to the SRB routine whose address is in SRBEP.
ASCBXMPQ FIELD OF THE ASCB DATA AREA
ASXBFSRB FIELD OF THE ASXB DATA AREA
ASXBLSRB FIELD OF THE ASXB DATA AREA
IOSSRB FIELD OF THE IOSB DATA AREA
PCBSRB FIELD OF THE PCB DATA AREA
SRBFLNK FIELD OF THE SRB DATA AREA
SVTGSMQ FIELD OF THE SVT DATA AREA
SVTLSMQ FIELD OF THE SVT DATA AREA
SVTSRBA FIELD OF THE SVT DATA AREA
TQESRB FIELD OF THE TQE DATA AREA
TVCSSRBA FIELD OF THE TVCS DATA AREA
WEBUPTR field of the WEB data area
Serialization: Owner-serialized.
Function: Used as input to the SCHEDULE macro when scheduling a routine for asynchronous execution.

SRB 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

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

SRB Cross Reference

Name	Hex Offset	Hex Value
SRB	0	
SRBASCB	8	
SRBASC24	9	
SRBBLK24	27	20
SRBCPAFF	C	
SRBEND	2C	
SRBEP	14	
SRBEPA	14	
SRBFLC	C	
SRBFLGS	25	
SRBFLGS1	27	
SRBFLNK	4	
SRBFRRA	28	
SRBFRRCL	25	10
SRBFRREQ	25	20
SRBHLHI	26	
SRBID	0	
SRBLLHLD	25	40
SRBLLREQ	25	80
SRBMAIN	27	80
SRBMODE	14	80
SRBMSCHD	27	2
SRBPARM	1C	
SRBPASID	E	
SRBPKF	24	

Name	Hex Offset	Hex Value
SRBPMCS	27	4
SRBPNONQ	25	4
SRBPRIOR	25	
SRBPSYS	25	0
SRBPTCB	10	
SRBRMODE	18	80
SRBRMTR	18	
SRBRMTRA	18	
SRBSAVE	20	
SRBSECT	0	
SRBSIZE	2C	2C
SRBSP245	27	40
SRBSUSP	25	8
SRBTOKNP	27	1
SRBWEB	20	
SRBXESF	27	10
SRB1STS	27	8

SRCD Programming Interface information

Programming Interface information

SRCD

End of Programming Interface information

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SRCD Heading Information

Common Name: DAE data set record format
Macro ID: ADYSRCD
DSECT Name: SRCD
Owning Component: DUMP ANALYSIS AND ELIMINATION (SC143)
Eye-Catcher ID: SRC
Offset: 0
Length: 3
Storage Attributes: Subpool: User Supplied
Key: User Supplied
Residency: User Supplied
Size: LENGTH(SRCD)
Created by: N/A
Pointed to by: N/A
Serialization: NONE
Function: Maps one DAE data set record.

SRCD Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SRCD	
0	(0)	CHARACTER	4	SRCDID (0)	ACRONYM AND VERSION NUMBER
0	(0)	CHARACTER	3	SRCSRC	ACRONYM 'SRC'
3	(3)	CHARACTER	1	SRCVSN	VERSION NUMBER
4	(4)	CHARACTER	6	SRCUSERA	EYE-CATCHER='*USER*'
10	(A)	CHARACTER	20	SRCUSER	RESERVED FOR USER
30	(1E)	CHARACTER	1	SRCTEST	VALIDITY CHECKING DATA
31	(1F)	CHARACTER	21	SRCORIG (0)	ORIGINAL DUMP DATA
31	(1F)	CHARACTER	10	SRCERRID (0)	ORIGINAL ERRORID
31	(1F)	SIGNED	2	SRCERSEQ	ERROR ID SEQUENCE NUMBER
33	(21)	SIGNED	2	SRCERCPU	ERROR ID CPU ID
35	(23)	SIGNED	2	SRCERAS	ERROR ID ADDRESS SPACE ID
37	(25)	SIGNED	4	SRCTIME	ORIGINAL TIME-(BINARY NUMBER TENTHS OF A SECOND SINCE MIDNIGHT.)
41	(29)	CHARACTER	4	SRCDATE	ORIGINAL DATE (PACKED DECIMAL JULIAN-00YYDDDF)
45	(2D)	CHARACTER	6	SRCCPU	ORIGINAL CPUID-FROM STIDP INSTRUCTION
51	(33)	BITSTRING	1	SRCFLG	FLAGS
		1...		SRCSVCD	"BIT0" AN SVC DUMP CREATED THE ORIGINAL DOCUMENTATION
		.1..		SRCSYSMD	"BIT1" A SYSMDUMP DUMP CREATED THE ORIGINAL DOCUMENTATION
		..1.		SRCTRUM	"BIT2" ORIGINAL SYMPTOM STRING WAS TRUNCATED
52	(34)	CHARACTER	10	SRCCURR (0)	LAST OCCURRENCE DATA
52	(34)	SIGNED	4	SRCDTIME	TIME-LAST OCCURRENCE (BINARY NUMBER TENTHS OF A SECOND SINCE MIDNIGHT.)
56	(38)	CHARACTER	4	SRCDDATE	DATE LAST OCCURRENCE (PACKED DECIMAL JULIAN-00YYDDDF)
60	(3C)	SIGNED	2	SRCDCNT	COUNT OF OCCURRENCES
62	(3E)	CHARACTER	6	SRCSYMPA	EYE-CATCHER='*SYM**'
68	(44)	CHARACTER	150	SRCSYMP	SYMPTOM STRING
218	(DA)	CHARACTER	8	SRCSNAMO	SYSTEM NAME - ORIGNAL OCCURRENCE
226	(E2)	CHARACTER	8	SRCSNAML	SYSTEM NAME - LAST OCCURRENCE
234	(EA)	CHARACTER	1	SCRDFLAG	Flags
		1...		SRCDTKDP	"BIT0" Take the next dump for this incident regardless of any other DAE indications.
		.1..		SRCDRCDA	"BIT1" This entry is here only because RECORDALL was specified.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		..1.		SRCSCDUP	"BIT2" This entry represents a dump that was suppressed because a match was found on the captured dump queue - the dump for the original occurence has not been written yet
235	(EB)	CHARACTER	20	SRCIBM	RESERVED FOR IBM USE
255	(FF)	CHARACTER	1	SRCDEND (0)	End of SRCD Mapping
		1111 1111		SRCTESTC	"X'FF'" VALUE FOR FIELD SRCTEST

SRCD Cross Reference

Name	Hex Offset	Hex Value
SCRDFLAG	EA	
SRCCPU	2D	
SRCCURR	34	
SRCD	0	
SRCDATE	29	
SRCDCNT	3C	
SRCDDATE	38	
SRCDEND	FF	
SRCDID	0	
SRCDRCDA	EA	40
SRCDTIME	34	
SRCDTKDP	EA	80
SRCERAS	23	
SRCERCPU	21	
SRCERRID	1F	
SRCERSEQ	1F	
SRCFLG	33	
SRCIBM	EB	
SRCORIG	1F	
SRCSCDUP	EA	20
SRCSNAML	E2	
SRCSNAMO	DA	
SRCSRC	0	
SRCSVCD	33	80
SRCSYMP	44	
SRCSYMPA	3E	
SRCSYSMD	33	40
SRCTEST	1E	
SRCTESTC	FF	FF
SRCTIME	25	
SRCTRUM	33	20
SRCUSER	A	
SRCUSERA	4	
SRCVSN	3	

SRPL Heading Information

Common Name: ENF SIGNAL ROUTINE PARAMETER LIST (SRPL)
Macro ID: IEEZB814
DSECT Name: SRPL
Owning Component: MASTER SCHEDULER (SC1B8)
Eye-Catcher ID: SRPL
Offset: 0
Length: 4
Storage Attributes: Subpool: 229
Key: 0
Size: 256 BYTES
Created by: CALLER OF IEEMB885
Pointed to by: N/A
Serialization: NONE
Function: THE SIGNAL ROUTINE PARAMETER LIST (SRPL) MAPS THE PARAMETER LIST USED BY MODULE IEEMB885, TO ISSUE AN ENF SIGNAL INDICATING ONE OR MORE DEVICES HAVE GONE ONLINE OR OFFLINE.

SRPL Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	20	SRPL	SIGNAL ROUTINE PARAMETER LIST MAPPING
0	(0)	CHARACTER	4	SRPLACRN	ACRONYM - SRPL
4	(4)	UNSIGNED	1	SRPLVERS	VERSION LEVEL
5	(5)	UNSIGNED	1	SRPLFUNC	FUNCTION CODE
6	(6)	CHARACTER	2	SRPLRSV1	RESERVED
8	(8)	CHARACTER	8	SRPLMOD	MODULE THAT INVOKED IEEMB885
16	(10)	ADDRESS	4	SRPLPRMP	POINTER TO FUNCTION RELATED PARAMETER LIST

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	236	SRPLSIGD	SIGNAL ROUTINE PARAMETER LIST MAPPING
0	(0)	BITSTRING	1	SRPLFLGS	INPUT FLAGS BYTE
		1...		SRPLONLN	SIGNAL DEVICE ONLINE
		.1..		SRPLOFLN	SIGNAL DEVICE OFFLINE
		..11 1111		*	RESERVED
1	(1)	CHARACTER	3	SRPLRSV2	RESERVED
4	(4)	ADDRESS	4	SRPLNXTU	POINTER TO NEXT UCB ADDRESS IN LIST
8	(8)	CHARACTER	4	SRPLRSV3	RESERVED
12	(C)	ADDRESS	4	SRPLUCBP (56)	LIST OF UCB ADDRESSES FOR WHICH IEEMB885 MUST ISSUE AN ENF SIGNAL

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SRPL Constants

Len	Type	Value	Name	Description
		Comment		
	VALUES FOR FUNCTION FUNCTION CODE (FIELD SRPLFUNC)			
		End of Comment		
1	DECIMAL	1	SRPLFNC1	SIGNAL ONLINE AND OFFLINE
		Comment		
	VALUES FOR VERSION LEVEL - PUT IN FIELD SRPLVERS			
		End of Comment		
1	DECIMAL	1	SRPLVID	VERSION LEVEL - UPDATED FOR SIZE OR INCOMPATIBLE CHANGE
1	DECIMAL	1	SRPLSP21	VERSION LEVEL IS OS/VS2 HBB2102
		Comment		
	OTHER DECLARES USED WITH THE SRPL			
		End of Comment		
1	DECIMAL	56	SRPLMAX	MAX NUMBER OF UCB ADDRESSES
4	CHARACTER	SRPL	SRPLNAME	SRPL ACRONYM

SRPL Cross Reference

Name	Hex Offset	Hex Value
SRPL	0	
SRPLACRN	0	
SRPLFLGS	0	
SRPLFUNC	5	
SRPLMOD	8	
SRPLNXTU	4	
SRPLOFLN	0	40
SRPLONLN	0	80
SRPLPRMP	10	
SRPLRSV1	6	
SRPLRSV2	1	
SRPLRSV3	8	
SRPLSIGD	0	
SRPLUCBP	C	
SRPLVERS	4	

SRRA Heading Information

Common Name: Service Routine Recovery Area
Macro ID: IHASRRA
DSECT Name: SRRA
Owning Component: PC/AUTH (SCXMS)
Subpool and Key: 229 and key 0 (in PC/Auth private)
Size: Fixed portion of 44 bytes and a service-unique portion of variable length.
Created by: PC/Auth Service Routine
Pointed to by: PCRASRRA
Serialization: Serialized by the PC/Auth Local Lock.
Function: Describes the PC/Auth service routine recovery area, a portion of which is in a fixed format. It is used to maintain data necessary for retrying a failing PC/Auth service.

SRRA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	SRRA	
0	(0)	CHARACTER	4	SRRANAME	SRRA ACRONYM FIELD
4	(4)	ADDRESS	4	SRRADATA	PTR TO DYNAMIC DATA AREA
8	(8)	SIGNED	2	SRRADLEN	DYNAMIC DATA AREA LENGTH
10	(A)	SIGNED	2	SRRASLEN	SRRA LENGTH
12	(C)	ADDRESS	4	SRRABASE	PC/AUTH SERVICE BASE REGISTER
16	(10)	ADDRESS	4	SRRABAS2	PC/AUTH SERVICE 2ND BASE REG
20	(14)	ADDRESS	4	SRRARTY@	FRR RETRY ROUTINE ADDRESS
24	(18)	ADDRESS	4	SRRARREG	PTR TO FRR RETRY REGS 0-15
28	(1C)	ADDRESS	4	SRRASUML	SDUMP SUMLSTA LIST PTR (OPT.)
32	(20)	UNSIGNED	4	SRRAESAR	SECONDARY ASID FOR PC
32	(20)	BITSTRING	2	*	
34	(22)	BITSTRING	2	SRRASASD	HALFWORD SECONDARY ASID
36	(24)	ADDRESS	4	SRRAHOME	HOME ASCB ADDRESS AT ENTRY
40	(28)	ADDRESS	4	SRRAMLIA	MODULE LEVEL INFO ADDRESS
44	(2C)	CHARACTER	*	*	SERVICE-UNIQUE PORTION

SRRA Cross Reference

Name	**Hex Offset**	**Hex Value**
SRRA	0	
SRRABASE	C	
SRRABAS2	10	
SRRADATA	4	
SRRADLEN	8	
SRRAESAR	20	
SRRAHOME	24	
SRRAMLIA	28	
SRRANAME	0	
SRRARREG	18	
SRRARTY@	14	
SRRASASD	22	
SRRASLEN	A	
SRRASUML	1C	

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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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Programming Interface Information

This book primarily documents information that is NOT intended to be used as Programming Interfaces of z/OS.

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)

INCLUDE ONLY data area: **ONLY** the MACRO ID is the programming interface. The DSECT NAME, constants,and data area itself are **NOT** part of the programming interface.

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