IBM OS/VS2 System Programming Library: Debugging Handbook

Volume 2

Includes Selectable Units:

Scheduler Improvements	VS2.03.804
Supervisor Performance #1	VS2.03.805
Supervisor Performance #2	VS2.03.807
Data Management	VS2.03.808
IBM 3800 Printing Subsystem	VS2.03.810
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This handbook provides reference information for use in debugging user or system programs. The user of this publication should have a working knowledge of OS/VS2 functions and logic.

The handbook has been divided into three volumes totaling six sections:

Volume 1 (GC28-0708-1)

- Section 1. Problem Categories and Analysis describes an approach to debugging based on identification and analysis of system status indicators.
- Section 2. Debugging Aids summarizes major OS/VS2 debugging aids.
- Section 3. Dump and Trace Formats describes the output of debugging aids summarized in Section 2.
- Section 4. Error Indicators summarizes major system error indicators.
- Section 5. General Reference provides general reference information useful for debugging purposes.
- Section 6. Control Block Chains illustrates the logical relationships of major system data areas.

Volume 2 (GC28-0709-1)

- Data Areas A-M Describes the format of the data areas, and includes data areas frequently used in debugging.

Volume 3 (GC28-0710-0)

- Data Areas N-Z Describes the format of the data areas, and includes data areas frequently used in debugging.

A list of applicable publications that pertain to this volume are presented in the preface to Volume 1 (GC28-0708-1).

The handbook specifically omits the following general reference topics, which are covered in the *System/370 Reference Summary* (card), GX20-1850:

    Machine instructions
    Extended mnemonic instructions
    CNOP alignment
    Assembler instructions
    Summary of constants
    EDIT and EDMK pattern characters
    Channel commands
    EBCDIC translation table
    Machine instruction formats
    Control registers
    CCW
    Dynamic address translation
    Hexadecimal and decimal conversion

Note: If you use only one order number, you will receive only that volume. To receive all three volumes, you must use the three order numbers or the following form number: GB0F-8211.

A handbook-sized binder, order number S229-4124, may be purchased from IBM. Customers may order it through their marketing representative. IBM personnel should order the binder from Mechanicsburg.

Contents

General

This edition has been reorganized into a three volume publication. See the Preface and Contents for the basic design and setup.

Specific

- Volumes 1, 2, and 3 incorporate maintenance updates accumulated since the last revision. Also, the following SUs have been integrated into these volumes.

Scheduler Improvements	VS2.03.804
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- Volume 1 incorporates program product information for MVS/System Extensions (5740-XE1) and highlights this information where applicable.

- Section 2 of Volume 2 (GC28-0709-0 or GC28-0752-0) Control Block Chains has been moved to Volume 1 (GC28-0709-1) as Section 6.

- Section 1 of Volume 2 (GC28-0709-0 or GC28-0752-0) - "How to Find Information" has been deleted. Each Volume 2 and 3 data area greater than 2 pages in length will have a label-displacement list appended to it. This information already exists in OS/VS Data Areas (microfiche) and serves here as a replacement for the " How to Find Information" section.

- The publications summary (Section 6 in GC28-0708-0 or GC28-0751-0) has been deleted and replaced by a list of applicable publications in the Preface of Volume 1 (GC28-0708-1). A complete list of MVS publications can be obtained from the MVS Release Guide.

This edition has been reorganized for a three volume publication. See the Preface and Contents for the basic design and setup.

Data Area Descriptions

Descriptions of data areas are sequenced alphamerically by data area acronym. Each description provides the following information:

- Common Name
- Macro ID
- DSECT Name (name created by mapping macro)
- Created by (module that creates the data area)
- Subpool and Key (subpool number and key used by creating module)
- Size
- Pointed to by (register(s) or data area field(s) that points to the data area)
- Serialization of the data area
- Function

Format for the data area a tabular description of the data area, derived directly from the mapping macro (if one exists). The format provides the information indicated below.

Offsets
: field addresses (decimal and hexadecimal) relative to the beginning of the data area.

    Example 16 (10)

Type
: specific kind of program data defined for this field. The following types are possible:

Type	Description
A-ADDRESS	address constant (A-type).
BAL STMT	an instruction.
BITSTRING	bitstring constant.
CHARACTER	character value.
FLOATING	floating point binary value.
HEX	hexidecimal value.
OFFSET	address constant (Q-type).
PACKED	packed decimal value.
SIGNED	arithmetic signed value.
STRUCTURE	level 1 control block name.
S-ADDRESS	address constant (S-type).
UNKNOWN	a type other than the possible ones.
UNSIGNED	unsigned value.
V-ADDRESS	address constant (V-type).
Y-ADDRESS	address constant (Y-type).
ZONED	zoned decimal value.

Length
: field size in bytes.

Name
: field bit or mask name.

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

1...	....	(a reference to bit 0)
....	....	(a reference to bits 6 and 7)
...1	....	(a reference to bit 3)
11..	1111	(a reference to a bit mask in bits 0, 1, 4, 5, 6, and 7)

Description
: a verbal description of a field or bit.

For each data area with more than 100 fields, a cross reference list of field names in alphabetical order is provided. Each symbol identified in the data area desciption is listed in the cross reference along with:

1. its decimal offset into the data area.

2. either its hexidecimal offset into the data area (for non-bitstring symbols) or its bitstring hexidecimal equivalent (for bitstring symbols).

Descriptions of data areas in this publication are identical to corresponding descriptions in *OS/VS2 Data Areas*, SYB8-0606.

ABP

Common Name: IOS ABP Communication Vector Table
Macro ID: IEZABP
DSECT Name: IEZABP
Created by: ABP control vector module, IDA121CV
Subpool and Key: NUCLEUS and key 0
Size: 20 bytes
Pointed to by: CVTIOBP field of the CVT data area
Serialization: None
Function: The IEZABP is a communication vector table
(pointed to by the system CVT) that contains entry points
for I/O-management routines. It is linkedited in the
nucleus as IDA121CV, along with other I/O-management
modules.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	UNKNOWN	20	IEZABP	
0 (0)	UNKNOWN	1	ABPID	AEP CONTROL BLOCK IDENTIFIER
1 (1)	UNKNOWN	1	ABPLEN	LENGTH OF IEZABP
2 (2)	UNKNOWN	2	ABPBR14	BRANCH ON REGISTER 14
4 (4)	UNKNOWN	4	ABPSIOD	SUPERVISOR STATE I/O DRVR ADDR
8 (8)	UNKNOWN	4	ABPABP	ACTUAL BLOCK PROCESSOR ADDRESS
12 (C)	UNKNOWN	4	ABPNE	NORMAL END ROUTINE ADDRESS
16 (10)	UNKNOWN	4	ABPAE	ABNORMAL END ROUTINE ADDRESS

ACA

Common Name: ASM Control Area
Macro ID: ILRACA
DSECT Name: ACA
Created by: User (RSM or VBP)
Subpool and Key: Nucleus or 236 or 237 and Key 0
Size: 24 bytes
Pointed to by: Register 1 on entry to ASM
Serialization: None
Function: The ACA is initialized as the result of ASM function operators in anticipation of the input/output requests for pages of the logical group that is being established. The ACA is contained in the PVT field. PVTACA.

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
0	(0)	UNKNOWN	24	ACA	ACA
0	(0)	UNKNOWN	1	ACAOP	OPERATION FLAG. THIS FIELD. THIS FIELD IS SET BY THE IRCALL MACRO. TRANSFER PAGE DECIMAL '04'. ASSIGN LGN DECIMAL '08'. RELEASE LG DECIMAL '12'. SAVE LG/LGN DECIMAL '16'. ACTIVATE LG DECIMAL '20'.
1	(1)	UNKNOWN	1	ACAFLG1	FLAG FIELD
1...				ACAFEHM	IF ON, THIS LOGICAL GROUP IS A VIRTUAL MEMORY. IF OFF, IT IS A VIO DATASET. IGNORED IN OS/VS2-4
.1..				ACARSVS	RESERVED, USED
..1.				ACAFFIX	IF ON, THE ASPCT FOR THIS LOGICAL GROUP MUST BE FIXED IF OFF, THE ASPCT MAY BE PAGED, IGNORED IN OS/VS2-4
...1				ACAFSPL	RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... 1...		ACAFSYM	IF ON, INDICATES STORAGE LOCATOR SYMBOL (S) IDENTIFIES THE LOGICAL GROUP BEING RELEASED, IN ACASYM. IF OFF, AN LGN IS PROVIDED IN ACALGN.
	.... .1..		ACARSV1	RESERVED
	.... ..1.		ACARSV2	RESERVED
	1		ACARSV3	RESERVED
2	(2) UNKNOWN	2	ACAASID	ASID OF THE MEMORY ASSOCIATED WITH THE LOGICAL GROUP
4	(4) UNKNOWN	4	ACARSV4	RESERVED
8	(8) UNKNOWN	8	ACALGN	LOGICAL GROUP NUMBER
8	(8) UNKNOWN	8	ACALPID	LPID OF PAGE
8	(8) UNKNOWN	4	ACALGID	LOGICAL GROUP ID
8	(8) UNKNOWN	4	ACAFLSID	SOURCE LSID FOR PAGE
12	(C) UNKNOWN	4	ACARPN	RELATIVE PAGE NUMBER
12	(C) UNKNOWN	4	ACAAIAP	AIA ADDR FOR SPECIAL USE WHEN ACA IS FOR TRANSFER PAGE REQUEST.
16	(10) UNKNOWN	8	ACASYM	LOCATOR SYMBOL OF GROUP
16	(10) UNKNOWN	8	ACATOLP	TARGET LPID ASSOCIATED WITH THE TARGET PAGE
16	(10) UNKNOWN	4	ACATOLGI	LOGICAL GROUP ID
16	(10) UNKNOWN	4	ACAMAXPN	LARGEST RELATIVE PAGE NUMBER TO BE ALLOWED FOR THE GROUP
20	(14) UNKNOWN	4	ACATORPN	RELATIVE PAGE NUMBER

ACB

Common Name: VSAM Access Method Control Block
Macro ID: IFGACB
DSECT Name: IFGACB
Created by: ACB for VSAM cluster, built by user's program;
ACB for catalog, built by OS/VS scheduler when catalog is
opened.
Subpool and Key: 250, 231 or 241 and key 0
Size: 76 bytes
Pointed to by: RPLDACB field of the RPL data area after
                cluster is opened
                CAXACB field of the CAXWA data area after
                the catalog is opened
                DEBDCBAD field of the DEB data area when
                there is a subsystem
                SSJSMACB field of the SSOB data area for a
                message ACB
                SSJSJACB field of the SSOB data area for a
                journal ACB
                SSJSTACB field of the SSOB data area for
                internal text
                TVWAACB field of the TVWA data area
Serialization: ACBBUSY field as well as ENQs by VSAM O/C/E
Function: The VSAM ACB describes a VSAM cluster or CA
catalog. Before a cluster is opened, the ACB can be
modified by the user's DD statements and by the ACB exit
routine. The master catalog's ACB is pointed to by the
CBSACB field in the AMCBS and by the CAXWA chain.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	IFGACB	ACCESS METHOD CONTROL BLOCK
0	(0) HEX	1	ACBID	ACB IDENTIFIER
	1.1.		ACBIDVAL	X'A0' IDENTIFIER VALUE X'A0'
1	(1) HEX	1	ACBSTYP	ACB SUBTYPE
	...1		ACBSVSAM	X'10' VSAM SUBTYPE X04SVHS
	...1 ...1		ACBSVRP	X'11' VRP SUBTYPE X04SVHS
	..1.		ACBSVTAM	X'20' VTAM SUBTYPE X04SVHS
	.1..		ACBS3540	X'40' 3540 SUBTYPE X04SVHS
2	(2) SIGNED	2	ACBLENG	ACB LENGTH IN BYTES
2	(2) SIGNED	2	ACBLEN2	ALTERNATE NAME FOR ACBLENG
2	(2) SIGNED	2	ACBLENG2	ALTERNATE NAME FOR ACBLENG
4	(4) A-ADDRESS	4	ACBAMBL	AMB LIST ADDRESS(VSAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
4	(4) A-ADDRESS	4	ACBJWA	JES WORK AREA ADDRESS
4	(4) A-ADDRESS	4	ACBIBCT	INTERFACE BUFFER CONTROL TABLE (RTAM)
8	(8) A-ADDRESS	4	ACBINRTN	DATA MANAGEMENT INTERFACE ROUTINE ADDRESS; VTAM REQUEST PROCESSOR ADDRESS
12	(C) BITSTRING	2	ACBMACRF	MACRF PROCESSING OPTIONS
12	(C) BITSTRING	1	ACBMACR1	MACRF FIRST BYTE
	1...		ACBKEY	X'80' KEYED PROCESSING VIA INDEX
	.1..		ACBADR	X'40' ADDRESSED PROCESSING WITHOUT INDEX
	.1..		ACBADD	X'40' ALTERNATE NAME FOR ACBADR
	..1.		ACBCNV	X'20' PROCESSING BY CONTROL INTERVAL
	..1.		ACBBLK	X'20' ALTERNATE NAME FOR ACBCNV
	...1		ACBSEQ	X'10' SEQUENTIAL PROCESSING
	.... 1...		ACBDIR	X'08' DIRECT PROCESSING
	.... .1..		ACBIN	X'04' INPUT PROCESSING USING GET OR READ
	.... ..1.		ACBOUT	X'02' OUTPUT PROCESSING USING PUT OR WRITE
	1		ACBUBF	X'01' USER CONTROLS BUFFERS VALID ONLY WITH CONTROL INTERVAL PROCESSING
13	(D) BITSTRING	1	ACBMACR2	MACRF SECOND BYTE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	...1		ACBSKP	X'10' SKIP SEQUENTIAL PROCESSING
	.... 1...		ACBLOGON	X'08' LOGON REQUESTS TO AN APPLICATION WILL BE REJECTED(VTAM)
	.... .1..		ACBRST	X'04' SET DATA SET TO X04SVHS EMPTY STATE X04SVHS
	.... ..1.		ACBDSN	X'02' BASIC SUBTASK SHARED CONTROL BLOCK CONNECTION ON COMMON DSNAMES X04SVHS
	1		ACBAIX	X'01' ENTITY TO BE PROCESSED IS AIX PATH SPECIFIED IN IN THE GIVEN DDNAME X04SVHS
14	(E) SIGNED	1	ACBBSTNO	NUMBER OF CONCURRENT STRINGS FOR AIX X04SVHS PATH X04SVHS
15	(F) SIGNED	1	ACBSTRNO	NUMBER OF CONCURRENT REQUEST STRINGS X04SVHS
16	(10) SIGNED	2	ACBBUFND	NUMBER OF DATA RECORD BUFFERS
18	(12) SIGNED	2	ACBBUFNI	NUMBER OF INDEX RECORD BUFFERS
20	(14) A-ADDRESS	4	ACBBUFPL	JES BUFFER POOL
20	(14) A-ADDRESS	4	ACBLFB	RESERVED NAME
20	(14) HEX	1	ACBMACR3	MACRF THIRD BYTE X04SVHS
	.1..		ACBLSR	X'40' LOCAL SHARED RESOURCE X04SVHS
	..1.		ACBGSR	X'20' GLOBAL SHARED RESOURCE X04SVHS
	...1		ACBICI	X'10' IMPROVED CONTROL INTERVAL PROCESSING X04SVHS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... 1...		ACBDFR	X'08' DEFER WRITES X04SVHS
	.... .1..		ACBSIS	X'04' SEQUENTIAL INSERT STRATEGY X04SVHS
	.... ..1.		ACBNCFX	X'02' NFX=0/CFX=1 X04SVHS
21 (15) HEX		1	ACBMACR4	RESERVED X04SVHS
22 (16) SIGNED		2	ACBJBUF	NUMBER OF JOURNAL BUFFERS(VSAM)
24 (18) BITSTRING		1	ACBRECFM	RECORD FORMAT
	1...		ACBRECAF	X'80' JES FORMAT
25 (19) BITSTRING		1	ACBCCTYP	CONTROL CHARACTER TYPE
	11..		ACBTRCID	X'C0' 3000 TRANSLATE TABLE+8 Z40SVHS
	.... .1..		ACBCCASA	X'04' ASA CONTROL CHARACTERS
	.... ..1.		ACBCCMCH	X'02' MACHINE CONTROL CHARACTERS
26 (1A) BITSTRING		2	ACBOPT	NON-USER OPTIONS
26 (1A) BITSTRING		2	ACBDSORG	MATCH ACBDSORGA WITH DCEDSORG
26 (1A) BITSTRING		1	ACBDSOR1	DSORG FIRST BYTE

===

CHECKPOINT/RESTART OPTIONS

	1...		ACBCRNCK	X'80' NO CHECK BY RESTART FOR MODIFICATIONS SINCE LAST CHECKPOINT
	.1..		ACBCRNRE	X'40' DATA ADDED SINCE LAST CHECKPOINT NOT ERASED BY RESTART AND NO REPOSITION TO LAST CHECKPOINT TAKES PLACE
	..1.		ACBDVIND	X'20' DEVICE INDICATR
	..1.		ACBOPTJ	X'20' 3800 CONTROL CHARACTER PRESENT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
27 (1B)	BITSTRING	1	ACBDSOR2	DSORG SECOND BYTE
	.... 1...		ACBDORGA	X'08' ACB INDICATOR
28 (1C)	A-ADDRESS	4	ACBMSGAR	MSG AREA PTR X04SVHS
32 (20)	A-ADDRESS	4	ACBPASSW	PASSWORD ADDRESS
36 (24)	A-ADDRESS	4	ACBEXLST	USER EXIT LIST ADDRESS
36 (24)	A-ADDRESS	4	ACBUEL	ALTERNATE NAME FOR ACBEXLST

BEFORE ACB IS OPENED
(FOR VTAM, ACBDDNM IS INITIALIZED TO
X'FF00000000000000')

40 (28)	CHARACTER	8	ACBDDNM	DDNAME MUST BE THE SAME AS THE NAME FIELD ON THE DD STATEMENT DEFINING THE DATA SET ASSOCIATED WITH THIS ACB

AFTER ACB IS OPENED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
40 (28)	SIGNED	2	ACBTIOT	OFFSET FROM TIOT ORIGIN TO THE TIOELNGH FIELD IN THE TIOT ENTRY FOR THE DD STATEMENT FOR THIS ACB
42 (2A)	BITSTRING	1	ACBINFL	CONTENTS AND MEANING ARE THE SAME AS ACBINFLG (BEFORE OPEN)
43 (2B)	BITSTRING	1	ACBAM	ALTERNATE NAME FOR ACBAMETH
43 (2B)	BITSTRING	1	ACBAMETH	ACCESS METHOD TYPE
	.11.		ACBVTAM	X'60' VTAM
	.1.. ...1		ACBSUBS	X'41' SUBSYSTEMS
	..11 ...1		ACBTCAM	X'31' TCAM
	..1. ..11		ACBRCI	X'23' JES/RCI
	..1. ...1.		ACBRTAM	X'22' JES/RTAM
	..1. ...1		ACBJAM	X'21' JES/JAM
	...1 ...1		ACBVSAM	X'11' VSAM

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
44 (2C)	BITSTRING	1	ACBERFL	FOR JES, CONTENTS AND MEANING ARE THE SAME AS ACBERFLG (BEFORE OPEN) NOT USED BY VSAM/VTAM
45 (2D)	A-ADDRESS	3	ACBDEB	DEB ADDRESS

NOT MOVED BY OPEN

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
48 (30)	BITSTRING	1	ACBOFLGS	OPEN CLOSE FLAGS
	..1.		ACBEOV	X'20' EOV CONCATENATION
	...1		ACBOPEN	X'10' THE ACB IS OPEN
	.... 1...		ACBDSERR	X'08' NO FURTHER REQUESTS ARE POSSIBLE AGAINST THIS ACB
	.... ..1.		ACBEXFG	X'02' USER EXIT FLAG SET TO 0 BY AN I/O SUPPORT WHEN A USER EXIT TAKEN; SET TO 1 ON RETURN
	.... ..1.		ACBLOCK	X'02' ALTERNATE NAME FOR ACBEXFG
	1		ACBIOSFG	X'01' OPEN/CLOSE IN CONTROL THE ACB IS BEING PROCESSED BY AN I/O SUPPORT FUNCTION
	1		ACBBUSY	X'01' ALTERNATE NAME FOR ACBIOSFG

BEFORE ACB IS OPENED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
49 (31)	BITSTRING	1	ACBERFLG	ERROR FLAGS FOR VSAM/VTAM THIS FIELD IS NOT MOVED BY OPEN AND ERROR FLAGS ARE RETURNED HERE; FOR JES THIS FIELD IS MOVED TO ACBERFL BY OPEN

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

THE FOLLOWING CODES ARE COMMON TO ALL ACCESS
METHODS.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	`.... .1..`		ACBOALR	X'04' THE ACB IS ALREADY OPEN
	`.... .1..`		ACBCALR	X'04' THE ACB IS NOT OPEN
50	(32) BITSTRING	2	ACBINFLG	INDICATOR FLAGS
50	(32) BITSTRING	1	ACBINFL1	FIRST IND FLAGS
	`.1.. ....`		ACBJEPS	X'40' JEPS IS USING THIS ACB
	`..1. ....`		ACBIJRQE	X'20' AN RQE IS HELD BY JAM
	`...1 ....`		ACBCAT	X'10' ACB FOR VSAM CATALOG
	`.... 1...`		ACBSCRA	X'C8' CATALOG CONTROL BLOCK SYSTEM AREA X04SVHS
	`.... .1..`		ACBUCRA	X'04' CATALOG CONTROL BLOCK USER AREA X04SVHS
	`.... ..1.`		ACBVVIC	X'02' DATA SET BEING OPENED IS SYS1.VVIC X04SVHS
	`.... ..1.`		ACBSDS	X'02' OPEN AS SYSTEM DATA SET
	`.... ...1`		ACBBYPSS	X'01' BYPASS SECURITY ON OPEN IF CALLER AUTH
51	(33) BITSTRING	1	ACBINFL2	2ND IND FLAGS
	`..1. ....`		ACBCBIC	X'20' OPEN WITH CONTROL BLOCKS IN COMMON STORAGE AREA

NOT MOVED BY OPEN

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
52	(34) A-ADDRESS	4	ACBUJFCB	USER JFCB ADDRESS
52	(34) HEX	1	ACBOPTN	JAM UCS INDICATORX04SVHS
53	(35) HEX	3		RESERVED X04SVHS
56	(38) SIGNED	4	ACBBUFSP	VIRTUAL CORE AVAILABLE FOR BUFFERS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
60 (3C) SIGNED		2	ACBBLKSZ	BLOCKSIZE
60 (3C) SIGNED		2	ACBMSGLN	LNG OF MSG AREA X04SVHS
62 (3E) SIGNED		2	ACBLRECL	LOGICAL RECORD LENGTH
64 (40) A-ADDRESS		4	ACBUAPTR	USER WORKAREA ADDRESS; CAXWA ADDRESS FOR CATALOG OPEN
68 (44) A-ADDRESS		4	ACBCBMWA	CONTROL BLOCK MANIPULATION WORKAREA ADDRESS
72 (48) A-ADDRESS		4	ACBAPID	APPLICATION ID ADDRESS(VTAM)

CROSS REFERENCE

ACBADD	12 X'40'	ACBLOCK	48 X'02'
ACBADR	12 X'40'	ACBLOGON	13 X'08'
ACBAIX	13 X'01'	ACBLRECL	62 (3E)
ACBAM	43 (2B)	ACBLSR	20 X'40'
ACBAMBL	4 (4)	ACBMACRF	12 (C)
ACBAMETH	43 (2B)	ACBMACR1	12 (C)
ACBAPID	72 (48)	ACBMACR2	13 (D)
ACBBLK	12 X'20'	ACBMACR3	20 (14)
ACBBLKSZ	60 (3C)	ACBMACR4	21 (15)
ACBBSTNO	14 (E)	ACBMSGAR	28 (1C)
ACBBUFND	16 (10)	ACBMSGLN	60 (3C)
ACBBUFNI	18 (12)	ACBNCFX	20 X'02'
ACBBUFPL	20 (14)	ACBOALR	49 X'04'
ACBBUFSP	56 (38)	ACBOFLGS	48 (30)
ACBBUSY	48 X'01'	ACBOFEN	48 X'10'
ACBBYPSS	50 X'01'	ACBOPT	26 (1A)
ACBCALR	49 X'04'	ACBOPTJ	26 X'20'
ACBCAT	50 X'10'	ACBOPTN	52 (34)
ACBCBIC	51 X'20'	ACBOUT	12 X'02'
ACBCDINA	68 (44)	ACBPASSW	32 (20)
ACBCCASA	25 X'04'	ACBRCI	43 X'23'
ACBCCNCH	25 X'02'	ACBRECAF	24 X'80'
ACBCCTYP	25 (19)	ACBRECFM	24 (18)
ACBCNV	12 X'20'	ACBRST	13 X'04'
ACBCRNCK	26 X'80'	ACBRTAM	43 X'22'
ACBCRNRE	26 X'40'	ACBSCRA	50 X'08'
ACBDDNM	40 (28)	ACBSDS	50 X'02'
ACBDEB	45 (2D)	ACBSEQ	12 X'10'
ACBDFR	20 X'08'	ACBSIS	20 X'04'
ACBDIR	12 X'08'	ACBSKP	13 X'10'
ACBDORGA	27 X'08'	ACBSTRNO	15 (F)
ACBDSERR	48 X'08'	ACBSTYP	1 (1)
ACBDSN	13 X'02'	ACBSUSS	43 X'41'
ACBDSORG	26 (1A)	ACBSVRP	1 X'11'
ACBDSOR1	26 (1A)	ACBSVSAM	1 X'10'
ACBDSOR2	27 (1B)	ACBSVTAM	1 X'20'
ACBDVIND	26 X'20'	ACBS3540	1 X'40'
ACBEOV	43 X'20'	ACBTCAM	43 X'31'
ACBERFL	44 (2C)	ACBTIOT	40 (28)
ACBERFLG	49 (31)	ACBTRCID	25 X'C0'
ACBEXFG	48 X'02'	ACBUAPTR	64 (40)
ACBEXLST	36 (24)	ACBUBF	12 X'01'
ACBGSR	20 X'20'	ACBUCRA	50 X'04'
ACBIBCT	4 (4)	ACBUEL	36 (24)
ACBICI	20 X'10'	ACBUJFCB	52 (34)
ACBID	0 (0)	ACBVSAM	43 X'11'
ACBIDVAL	0 X'A0'	ACBVTAM	43 X'60'
ACBIJRQE	50 X'20'	ACBVVIC	50 X'02'
ACBIN	12 X'04'	IFGACB	0 (0)
ACBINFL	42 (2A)		
ACBINFLG	50 (32)		
ACBINFL1	50 (32)		
ACBINFL2	51 (33)		
ACBINRTN	8 (8)		
ACBIOSFG	48 X'01'		
ACBJAM	43 X'21'		
ACBJBUF	22 (16)		
ACBJEFS	50 X'40'		
ACBJWA	4 (4)		
ACBKEY	12 X'80'		
ACBLENG	2 (2)		
ACBLENG2	2 (2)		
ACBLEN2	2 (2)		
ACBLFB	20 (14)		

ACE

Common Name: ASM Control Element
Macro ID: ILRACE
DSECT Name: ACE
Created by: ILRASRIM, ILRPEX
Subpool and Key: 245 and key 0
Size: 40 bytes
Pointed to by: ASMACEPC field of the ASMVT data area
                 LGEPROCQ field of the LGE data area
                 ASMSOSHT field of the ASMVT data area
                 ASMSOSHK field of the ASMVT data area
                 ASMRLCRQ field of the ASMVT data area
                 ASMRLGHQ field of the ASMVT data area
Serialization: The SALLOC lock is used to serialize those
fields used by the transfer page operation. The ASM class
lock is used to serialize the process queue pointers. The
LGE process queue serializes group operation fields.
Function: ACE provides a block, accessible within ASM's
address space, which contains information from an ACA and
can be modified as needed during operation.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	UNKNOWN	40	ACE	ASM CONTROL ELEMENT
0 (0)	UNKNOWN	4	ACEFQPA	FORWARD QUEUE POINTER FOR VIO PROCESS QUEUE
4 (4)	UNKNOWN	4	ACEBQPA	BACK QUEUE POINTER FOR VIO PROCESS QUEUE
8 (8)	UNKNOWN	1	ACEOP	OPERATION CODE
9 (9)	UNKNOWN	1	ACEFLG1	FIRST FLAG FIELD
1...			ACEUSYM	RELEASE 'S' SYMBOL FLAG 1 = 'S' SYMBOL IN ACE FOR RELEASE GROUP 0 = LGN IN ACE FOR RELEASE LG
.1..			ACETRPWT	TRANSFER PAGE WAITING FLAG 1 = TRANSFER PAGE OPERATION WAITING FOR PAGING I/O TO COMPLETE 0 = OPERATION NOT WAITING ON PAGING I/O

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			ACEOVRID	TRANSFER PAGE OVERRIDE FLAG 1 = IGNORE LPME IN PROGRESS FLAG 0 = NO OVERRIDE IN EFFECT
...1			ACENOACT	NO ACTIVE ASPCT FLAG 1 = NO ACTIVE ASPCT EXISTS FOR RELEASE LG REQUEST 0 = ACTIVE ASPCT EXISTS FOR RELEASE LG REQUEST
.... 1...			ACERSV2	RESERVED
.... .1..			ACERSV3	RESERVED
.... ..1.			ACERSV4	RESERVED
....1			ACERSV5	RESERVED
10	(A) UNKNOWN	1	ACEFLG2	RESERVED
11	(B) UNKNOWN	1	ACEFLG3	PRIMARY STATUS FLAGS, THESE FLAGS CORRESPOND TO FLAGS IN AIAFLG3, ANY CHANGES SHOULD BE MADE IN BOTH CONTROL BLOCKS AT THE SAME TIME
1...			ACEGRPRQ	GROUP REQUEST FLAG 1 = ACE IS FOR A GROUP REQUEST 0 = ACE IS FOR TRANSFER PAGE REQUEST
.1..			ACEPRINO	PROCESS IN OPERATION FLAG 1 = PROCESS REQUESTED HAS BEEN STARTED 0 = REQUEST HAS NOT BEEN STARTED
..1.			ACERSV6	RESERVED, USED IN AIA
...1			ACERSV7	RESERVED
.... 1...			ACELPMEC	AUXILIARY LOCATOR STATUS FLAG 1 = LPID CONVERTED TO LPME LPME IN ACE 0 = LPID IN ACE
.... .1..			ACERSV8	RESERVED
.... ..1.			ACERSV9	RESERVED
....1			ACERSV10	RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
12 (C)	UNKNOWN	4	ACELGE	ADDRESS OF LGE WHOSE PROCESS QUEUE THIS ACE RESIDES ON
16 (10)	UNKNOWN	8	ACELGN	LGN OF LOGICAL GROUP TO BE PROCESSED IF A GROUP OPERA-TION, THE RPN PORTION SHOULD ALWAYS BE ZERO IN THIS CASE
16 (10)	UNKNOWN	4	ACELGID	THE LG IDENTIFIER OF THE LOGICAL GROUP
20 (14)	UNKNOWN	4	ACERPN	THE RELATIVE PAGE NUMBER PORTION OF THE LGN, SHOULD ALWAYS BE 0 IF ACEGRPRQ = 1
20 (14)	UNKNOWN	4	ACETLPME	TARGET LPME ADDRESS FOR TRANSFER PAGE ACE
24 (18)	UNKNOWN	8	ACESYM	STORAGE LOCATOR 'S' SYMBOL FOR SAVED VIO LOGICAL GROUP
24 (18)	UNKNOWN	4	ACESRCID	SOURCE LSID FOR TRANSFER PAGE OPERATION
24 (18)	UNKNOWN	1		RESERVED
25 (19)	UNKNOWN	3	ACEVLSID	VIO REFERENCE TO SOURCE LSID
28 (1C)	UNKNOWN	4	ACEAIAPT	POINTER TO AIA FOR PAGE-OUT OPERATION THAT WILL CREATE SOURCE LSID IF NONE ALREADY EXISTS
32 (20)	UNKNOWN	4	ACEECB	ECB THAT GOS USES TO WAIT FOR OTHER OPERATIONS ON A LOGICAL GROUP TO COMPLETE BEFORE STARTING REQUESTED SAVE OR ACTIVATE

ACE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				REQUEST
36 (24)	UNKNOWN	4	ACESRBWK	SRB CONTROLLER WORK WORD
40 (28)	UNKNOWN	0		

AIA

Common Name: ASM I/O Request Area
Macro ID: ILRAIA
DSECT Name: AIA
Created by: User (RSM), see PCB data area
Subpool and Key: 245 and key 0
Size: 28 bytes
Pointed to by: Register 1 on entry to ASM
    ASMSTAGQ field of the ASMVT data area
    ASHCAPQ field of the ASMHD data area
    LGEFROCQ field of the LGE data area
    ICEAIA field of the ICE data area
    PCCHAIA field of the FCCH data area
    SARHAITQ field of the SART data area
    ASMSHAPQ field of the ASMHD data area
    SCCHAIA field of the SCCH data area
    ASRCAPQ field of the ASMHD data area
    PARTAIAE field of the PART data area
    AIANXAIA field of the AIA data area
    AIEAIAP field of the AIE data area
    FCBAIA field of the FCB data area

Serialization: The SALLOC lock is used to serialize the AIA
except for the VIO-related flags, the process queue
pointers, and the LPID field, which are serialized by the
ASM class lock of the owning address space.
Function: The AIA is the mechanism for identifying the
input/output of a single page to ASM.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	UNKNOWN	28	AIA	AIA CONTROL BLOCK
0 (0)	UNKNOWN	4	AIAFQPA	FORWARD QUEUE POINTER OF VIO PROCESS QUEUE
4 (4)	UNKNOWN	4	AIABQPA	BACK QUEUE POINTER FOR VIO PROCESS QUEUE
8 (8)	UNKNOWN	1	AIAOP	OPERATION CODE FIELD, USED ONLY FOR VIO OPERATIONS (SET TO X'18' CORRESPONDS TO ACEOP IN ACE)
9 (9)	UNKNOWN	1	AIAFLG1	I/O CONTROL FLAGS
	1...		AIAWRITE	READ/WRITE FLAG 1 = WRITE OPERATION 0 = READ OPERATION
	.1..		AIAPRIV	PAGE TYPE FLAG 1 = PRIVATE AREA FLAG 0 = COMMON AREA FLAG

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	..1.		AIAVIO	VIO PAGE FLAG 1 = PAGE I/O OPERATION FOR VIO PAGE 0 = NORMAL VIRTUAL PAGE
	...1		AIADUPLX	DUPLEXING FLAG 1 = DUPLEX WRITE OPERATION 0 = SIMPLEX READ OR WRITE OPERATION

===

THE FOLLOWING FLAGS ARE USED TO CONTROL A SWAP-OUT OR SWAP-IN OPERATION

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... 1...		AIALSQA	SWAP LSQA FLAG 1 = PAGE IS AN LSQA PAGE 0 = PAGE IS NOT AN LSQA PAGE
	.... .1..		AIAPAGDS	LSQA PAGE LOCATION FLAG, SET ONLY IF LSQA FLAG IS SET 1 = LSQA PAGE ON A PAGE DATA SET 0 = LSQA PAGE ON A SWAP DATA SET
	.... ..1.		AIASWPFX	PRIVATE AREA FIXED PAGE FLAG 1 = PAGE IS A PRIVATE AREA FIXED PAGE INVOLVED IN SWAP OPERATION 0 = PAGE IS NOT A PRIVATE AREA SWAP FIXED PAGE
	1		AIARSV1	RESERVED
10	(A) UNKNOWN	1	AIAFLG2	I/O DISPOSITION FLAG, THE FIRST SEVERAL FLAGS DIRECT ASM ACTION ON I/O COMPLETION EVENTS
	1...		AIAFRAUX	FREE AUXILIARY STORAGE SLOT FLAG 1 = AUX. SLOT TO BE FREED WHEN I/O COMPLETES 0 = DO NORMAL PROCESSING ON I/O COMPLETION

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.1..			AIATERMR	ADDRESS SPACE TERMINATION FLAG. 1 = ADDRESS SPACE THIS AIA IS ASSOCIATED WITH HAS BEEN TERMINATED 0 = ADDRESS SPACE STILL ACTIVE
..1.			AIAIORTY	I/O RETRY FLAG 1 = I/O OPERATION MUST BE RETRIED 0 = DO NOT RETRY I/O OPERATION
...1			AIARSV4	RESERVED

===

THE FOLLOWING FLAGS ARE I/O ERROR FLAGS, NORMAL I/O
COMPLETION IS SIGNALED IF ALL FLAGS ARE OFF, ONLY
ONE FLAG WILL BE SET AT A TIME TO INDICATE THE
ERROR ENCOUNTERED BY ASM TO RSM

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... 1...			AIAPRIER	PERMANENT I/O ERROR HAS OCCURED FOR THE REQUESTED OPERATION, THIS FLAG WILL BE ON ONLY FOR READ OPERATIONS AT THE TIME THE AIA IS RETURNED TO RSM, ASM USES THE FLAG INTERNALLY FOR BOTH READ AND WRITE OPERATIONS IF DUPLEXED WRITE OPERATION, ERROR OCCURED FOR PRIMARY WRITE OPERATION
.... .1..			AIASECER	SECONDARY WRITE ERROR, USED ONLY FOR DUPLEXED WRITE OPERATIONS 1 = SECONDARY WRITE OF DUPLEXED PAGE SUFFERED PERMANENT I/O ERROR, MUST BE ON IN CONJUNCTION WITH I/O ERROR FLAG 0 =

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				SECONDARY WRITE OPERATION SUCCESSFUL
.... ..1.			AIAERROR	LOGICAL AIA ERROR FLAG 1 = AIA CONTAINS DATA INCONSISTANT WITH PREVIOUS AIA'S IN INPUT CHAIN
....1			AIABADID	INVALID AUX. STG. LOCATION FLAG 1 = THE LSID OR LPID IN THE XPTE IS INVALID OR THE SSID IN THE AIA IS INCORRECT
11	(B) UNKNOWN	1	AIAFLG3	VIO CONTROLLER FLAGS. USED ONLY FOR VIO CONTROLLER PROCESSING, AIAVIO MUST BE SET ON, FLAGS IN THIS BYTE CORRESPOND TO FLAGS IN ACEFLG3
1...			AIARSV5	RESERVED, USED IN ACE
.1..			AIAPRINO	PROCESS IN OPERATION FLAG 1 = PAGE I/O OPERATION STARTED BUT NOT COMPLETE 0 = PAGE I/O OPERATION HAS NOT BEEN STARTED
..1.			AIATRPSP	TRANSFER PAGE FLAG 1 = AIACEPTR CONTAINS ADDRESS OF TRANSFER PAGE ACE 0 = NON-SPECIAL AIA
...1			AIARSV6	RESERVED
.... 1...			AIALPMEC	AUX. LOCATOR STATUS FLAG 1 = LPID CONVERTED TO LPME ADDRESS, ADDRESS OF FIXED LPME IN AIA 0 = LPID IN AIA
.... .1..			AIARSV7	RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... ..1.			AIARSV8	RESERVED
....1			AIARSV9	RESERVED

THE FOLLOWING WORD HAS TWO USES. IT IS USED AS
AIANXAIA BY ALL ASM MODULES EXCEPT SLOT SORT. SLOT
SORT USES THIS WORD AS AIACYL AND AIARCSN WHILE TREE
SORTING READ IOES.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
12	(C) UNKNOWN	4	AIANXAIA	CHAIN POINTER FOR SINGLE THREAD CHAINS USED TO PASS AIA BETWEEN RSM AND ASM AND BETWEEN DIFFERENT ASM MODULES
12	(C) UNKNOWN	2	AIACYL	RELATIVE CYLINDER NUMBER
14	(E) UNKNOWN	2	AIARCSN	RELATIVE SLOT NUMBER
16	(10) UNKNOWN	8	AIAID	CONTENTS OF THIS DOUBLEWORD DEPEND ON THE TYPE OF PAGE BEING MOVED TO OR FROM AUX. STG., THIS NAME USED TO REFERENCE BOTH LSIDS FOR A DUPLEXED PAGE
16	(10) UNKNOWN	8	AIALPID	FIELD CONTAINS AN LPID IF AIAVIO = 1, AND AIALPMEC = AIAPLPMC = 0
16	(10) UNKNOWN	4	AIALGID	THE LOGICAL GROUP ID OR LGN MAKES UP THE FIRST WORD OF THE LPID
16	(10) UNKNOWN	4	AIALSID	THE LOGICAL SLOT IDENTIFIER (LSID) FOR THE AUX. STG. LOCATION OF A VIRTUAL PAGE (IF AIAVIO = 0, OR AIAVIO = 1 AND AIALPMEC = AIAPRINO = 1)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
16 (10)	UNKNOWN	1		RESERVED
17 (11)	UNKNOWN	3	AIASSID	DIRECT REFERENCE TO SWAP OR VIO LSID
17 (11)	UNKNOWN	1		RESERVED
18 (12)	UNKNOWN	2	AIASLOT	RELATIVE SLOT NUMBER OF LSID
20 (14)	UNKNOWN	4	AIARPN	THE RELATIVE PAGE NUMBER (RPN) PORTION OF AN LPID
20 (14)	UNKNOWN	4	AIALSID2	THE LSID FOR THE SECONDARY COPY OF A DUPLEXED PAGE IF THE AIA IS FOR A WRITE OPERATION
20 (14)	UNKNOWN	4	AIALPMEP	THE ADDRESS OF THE LPME IN THE ASPCT FOR A VIO PAGE, THIS FIELD CONTAINS THE ADDRESS OF A FIXED (IN LSQA) LPME IF AIAPAGBL = 0 OR IF AIAPAGBL = 1 AND AIALPMEC = 1, IT CONTAINS A PAGEABLE LPME ADDRESS IF AIAPAGBL = 1 AND AIAPLPMC = 1
20 (14)	UNKNOWN	4	AIACEPTR	ADDRESS OF TRANSFER PAGE ACE REQUIRING LSID FROM WRITE OPERATION IN PROGRESS
24 (18)	UNKNOWN	4	AIAGRPSZ	SIZE OF SWAP GROUP, NUMBER OF AIAS FOR LSQA PAGES IN THE SWAP GROUP, THIS COUNT VALID ONLY FOR FIRST AIA OF AN LSQA SWAP GROUP

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
24	(18) UNKNOWN	4	AIALGE	THE ADDRESS OF THE LGE FCR THE LOGICAL GROUP OWNING THE VIO PAGE BEING PROCESSED
24	(18) UNKNOWN	4	AIADPXCT	THE COUNT OF OUTSTANDING WRITE OPERATIONS FOR A DUPLEXED WRITE OPERATION

Common Name: VSAM Access Method Block
Macro ID: IDAAMB
DSECT Name: IDAAMB
Created by: VSAM OPEN, control block build routine, IDA0192Z
Subpool and Key: 252, 241 or 231 and key 0
Size: 64 bytes
Pointed to by: AMBLDTA field of the AMBL data area for a
                cluster
              AMBLIX field of the AMBL data area
              DEBDCBAD field of the DEB data area
Serialization: The AMBXN field of the AMB data area is used
to serialize the AMB during EOV processing.
Function: Describes a VSAM data set or index and points to
control blocks needed to process data set and index records.
An AMB is built for a cluster's data set and, if the cluster
is key-sequenced, an AMB is built for the index.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	UNKNOWN	120	IDAAMB	AMB
0 (0)	UNKNOWN	1	AMBID	AMB IDENTIFIER
1 (1)	UNKNOWN	1	AMBRSC	RESOURCE TS BYTE
2 (2)	UNKNOWN	2	AMBLEN	AMB LENGTH
4 (4)	UNKNOWN	4	AMBLINK	NEXT AMB
8 (8)	UNKNOWN	4	AMBBUFC	BUFFER CONTROL
12 (C)	UNKNOWN	4	AMBPH	PLACEHOLDER
16 (10)	UNKNOWN	4	AMBCACB	PTR TO ACB OF CATALOG USED TO ACCESS OBJECT
20 (14)	UNKNOWN	4	AMBDSB	AMDSB POINTER
24 (18)	UNKNOWN	1	AMBEOVR	EOV REQUEST TYPE NOT USED IN MVM
24 (18)	UNKNOWN	1	AMBFLG0	MVM AMB FLAGS
	1...		AMBPSDS	PAGE SPACE
	.1..		AMBSWSP	SWAP SPACE
	..11 1111			UNUSED IN MVM
25 (19)	UNKNOWN	1	AMBFLG1	FLAG BYTE ONE
	1...		AMBCREAT	ON IF IN CREATE MODE
	.1..		AMBTYPE	
	..1.		AMBMCAT	MASTER CATL
	...1		AMBPCAT	PRIVATE CATL
	.... 1...		AMBSPEED	CREATE SPEED OPITON
	.... .1..		AMBUBF	USER BUFFERING
	.... ..1.		AMBJRN	JOURNAL EXIT PRESENT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
....1			AMBINBUF	SHARED DS--DIRECT REQ BFR INVALIDATION
26 (1A) UNKNOWN		2	AMBDSORG	DATA SET ORGANIZ.
1111 1111				
1111				ALWAYS ZERO
.... 1...			AMBDORGA	ACCESS METHOD INDIC
.... .111				ALWAYS ZERO
28 (1C) UNKNOWN		4	AMBIOBAD	IOB ADDR
28 (1C) UNKNOWN		4	AMBIOMB	IOMB CHAIN IN MVM
32 (20) UNKNOWN		3	AMBCDSN	CATALOG DSN
35 (23) UNKNOWN		3	AMBDDSN	DATA DSN
38 (26) UNKNOWN		2		RESERVED
40 (28) UNKNOWN		2	AMBTIOT	OFFSET TO TIOT
42 (2A) UNKNOWN		1	AMBINFL	INDICATOR FLAGS
1...				RESERVED FOR EXCP
.11.				RESERVED
...1			AMBCAT	AMB FOR VSAM CATLG
.... 1...			AMBSCRA	CATALOG CONTROL BLOCK SYSTEM AREA
.... .1..			AMBUCRA	CATALOG CONTROL BLOCK USER AREA
.... ..1.			AMBUPX	SET ON IF UPGRADE TABLE EXISTS
....1			AMBSDS	SET ON IF SYSTEM DATA SET
43 (2B) UNKNOWN		1	AMBAMETH	ACCESS METHOD TYPE
44 (2C) UNKNOWN		4	AMBDEBPT	DEB ADDR
44 (2C) UNKNOWN		1	AMBIFLGS	IOS ERROR FLAGS
45 (2D) UNKNOWN		3	AMBDEBAD	DEB ADDR
48 (30) UNKNOWN		1	AMBOFLGS	OPEN FLAGS
111.				ALWAYS ZERO
...1			AMBOPEN	AMB IS OPEN
.... 11..				ALWAYS ZERO
.... ..1.			AMBEXFG	USER EXIT FLAG
....1			AMBBUSY	BUSY BIT
49 (31) UNKNOWN		1	AMBFLG2	FLAG BYTE TWO
1...			AMBPUG	AMB PARTICIPATES IN UPGRADE
50 (32) UNKNOWN		2	AMBRPT	

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
52 (34)	UNKNOWN	4	AMBEDB	EDB POINTER
56 (38)	UNKNOWN	4	AMBEOVPT	PTR TO KEY OR RBA NOT USED IN MVM
56 (38)	UNKNOWN	4	AMBAMBXN	PTR TO AMB EXTENSION IN MVM
60 (3C)	UNKNOWN	4	AMBWKA	WORK AREA PTR
64 (40)	UNKNOWN	4	AMBIWA	INSERT WORK AREA PTR
68 (44)	UNKNOWN	4		UNUSED
72 (48)	UNKNOWN	4	AMBPIXP	PTR TO PRIME INDEX AMB
76 (4C)	UNKNOWN	4	AMBPAMBL	PTR TO PRIMARY AMBL
80 (50)	UNKNOWN	4	AMBUPLH	PTR TO UPGRADE PLH
84 (54)	UNKNOWN	4	AMBCSWD1	CS WORD 1
84 (54)	UNKNOWN	1	AMBAFLG	ADDITIONAL FLAGS
1...				UNUSED
.1..			AMBLSR	LSR OPTION
..1.			AMBGSR	GSR OPTION
...1			AMBICI	ICIP OPTION
.... 1...			AMBDFR	DEFER WRITES
.... .1..			AMBSIS	SEQ INSERT STRAT
.... ..1.			AMBCFX	FIXED CTRL BLK OPTN
....1				UNUSED
85 (55)	UNKNOWN	1		UNUSED
86 (56)	UNKNOWN	2	AMBRDCNT	NBR OF CIS READ FOR THIS AMB VS1 ONLY
88 (58)	UNKNOWN	4	AMBBM2SH	ADDR OF PLH DOING 2ND SEARCH OF SUBPOOL VS1 ONLY
92 (5C)	UNKNOWN	4	AMBCPA	DB/DC PTR TO WSHD. NON DB/DC & VS1 UNUSED. NON DB/DC & VS2 PTR TO STATIC CPA'S
96 (60)	UNKNOWN	4	AMBWSHD	PTR TO WORK SPACE HDR

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
100 (64)	UNKNOWN	8	AMBEXEX	EXCEPTION EXIT NAME
108 (6C)	UNKNOWN	2	AMBSZRD	CP SIZE FOR READ
110 (6E)	UNKNOWN	2	AMBSZWR	CP SIZE FOR WRITE
112 (70)	UNKNOWN	2	AMBSZFW	CP SIZE FORMAT WRITE
114 (72)	UNKNOWN	2	AMBSZCP	SIZE FOR CPA BASE
116 (74)	UNKNOWN	4	AMBVIOT	POINTER TO IDAVIOT

Common Name: VSAM Access Method Block List
Macro ID: IDAAMBL
DSECT Name: IDAAMBL
Created by: VSAM OPEN routine, IDA0192A
Subpool and Key: 252, 231 or 241 and key 0
Size: 64 bytes
Pointed to by: ACBAMBL field of the ACB data area
              AMBPAMBL field of the AMB data area
Serialization: ENQ/DEQ logic
Function: The AMBL describes a VSAM cluster and points to
When the cluster is opened, an AMBL is built to describe
(and index) is shared with other users, AMBs already exist
existing AMB's addresses are put into the AMBL. If the
AMBs already exist for the data set (and index). The
existing AMB's addresses are put into the AMBL. If the
cluster is not shared, AMBs are built to describe the
cluster's data set and, if the cluster is key-sequenced,
to describe the data set's index.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	UNKNOWN	68	IDAAMBL	
0 (0)	UNKNOWN	4	AMBLPCHN	PRIMARY CHAIN POINTER
4 (4)	UNKNOWN	4	AMBLSCHN	SECONDARY CHAIN POINTER
8 (8)	UNKNOWN	4	AMBLACB	POINTER TO ACB
12 (C)	UNKNOWN	4	AMBLEOV	EOV/RM INTERFACE
12 (C)	UNKNOWN	1	AMBLEFLG	EOV FLAGS
1...			AMBLWAIT	EOV IS WAITING
.1..			AMBLESET	EOV RESET CONTROL BLOCKS.
13 (D)	UNKNOWN	1	AMBLCOMP	EOV LOCK
14 (E)	UNKNOWN	2		NOT USED
16 (10)	UNKNOWN	8	AMBLDDNM	DDNAME FROM ACB
16 (10)	UNKNOWN	8	AMBLIDF	CLUSTER ID
16 (10)	UNKNOWN	4	AMBLCACB	CAT ACB
20 (14)	UNKNOWN	3	AMBLDCI	CI NBR
23 (17)	UNKNOWN	1	AMBLQ	QUALIFIER
1...			AMBLDDC	DD CONNECT ONLY
.1..			AMBLGSR	OPENED FOR GSR
..1.			AMBLLSR	OPENED FOR LSR
...1			AMBLFSTP	OPENED FOR FAST PATH
.... 1...			AMBLUBF	OPENED FOR USER BFR
.... .1..			AMBLKSDS	OPENED AS KSDS
.... ..1.			AMBLESDS	OPENED AS ESDS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
....1			AMBLDFR	OPENED WITH DEFER OPTION
24 (18) UNKNOWN		4	AMBLXPT	PTR FR BASE AMBL TO PATH AMBL & VICE-VERSA
28 (1C) UNKNOWN		2	AMBLVC	VALID AMBL TABLE
28 (1C) UNKNOWN		1	AMBLVRT	RELATIVE VAT
29 (1D) UNKNOWN		1	AMBLENO	OFFSET WITHIN VAT
30 (1E) UNKNOWN		1	AMBLTYPE	STRUCTURE TYPE
1...			AMBLPATH	ACB IS FOR PATH
.1..			AMBLUPGR	ACB FOR UPGRADE
..1.			AMBLAIX	ACB FOR AIX END USE-IMPLIES AMBLBASE ON
...1			AMBLBASE	ACB FOR BASE
.... 1...			AMBLFIX	STRUCTURE FIXED BY OPEN
.... .111				UNUSED
31 (1F) UNKNOWN		1		UNUSED
32 (20) UNKNOWN		1	AMBLID	AMBL IDENTIFER
33 (21) UNKNOWN		1	AMBLSHAR	SHARING INDICATORS
1...			AMBLPRIM	P-AMBL INDICATOR
.1..			AMBLCATO	CATALOG OPEN IND IS ON
..1.			AMBLWRIT	OUTPUT/UPDATE SPECIFIED
...1 1111				RESERVED
34 (22) UNKNOWN		1	AMBLLEN	AMBL LENGTH
35 (23) UNKNOWN		1	AMBLFLG1	FLAG BYTE ONE
1...			AMBLFULL	FULL ACCESS OK
.1..			AMBLCINV	CINV ACCESS OK
..1.			AMBLUPD	UPDATE ACCESS OK
...1			AMBLVVIC	AMBL FOR VVIC DATA SET
...1			AMBLSDS	AMBL FOR SYSTEM DATA SET
.... 1...			AMBLSCRA	AMBL FOR SYSTEM CATALOG RECOVERY AREA
.... .1..			AMBLUCRA	AMBL FOR USER CATALOG RECOVERY AREA
.... ..1.			AMBLCAT	IND ACB FOR A CATALOG
....1			AMBLDUMY	DD DUMMY SPECIFIED TO SIMPLIFY TESTING FOR SPECIAL DATA SETS IN

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				EXISTING CODE THE AMBLCAT AMBLVVIC AND AMBLSCRA BITS ARE SET AS FOLLOWS: VVIC SCRA X CAT TYPE OF DATA SET 0 0 X 0 CATALOG 1 0 X 1 VVIC 0 1 X 1 SCRA
36	(24) UNKNOWN	1	AMBLFLG2	FLAG BYTE TWO
	111.			RESERVED
	...1		AMBLSTAG	CLUSTER IS STAGED
	 1111			RESERVED
37	(25) UNKNOWN	1	AMBLNST	NUMBER OF STRINGS
38	(26) UNKNOWN	2	AMBLNUM	NUMBER OF AMB PTRS IN AMBL
40	(28) UNKNOWN	1		RESERVED
41	(29) UNKNOWN	1	AMBLNIDS	NUMBER IF IDS
42	(2A) UNKNOWN	10	AMBLMIDS	IDS OF MODULES LOADED
52	(34) UNKNOWN	4	AMBLDTA	POINTER TO DATA AMB
56	(38) UNKNOWN	4	AMBLIX	POINTER TO INDEX AMB
60	(3C) UNKNOWN	4	AMBLBIB	PTR TO BIB
64	(40) UNKNOWN	4	AMBLCMB	PTR TO CMB

AMCBS

Common Name: VSAM Access Method Control Block Structure
Macro ID: AMCBS
DSECT Name: AMCBS
Created by: IEAVNP11
Subpool and Key: 245 and key 0
Size: 40 bytes
Pointed to by: CVTCBSP field of the CVT data area
Serialization: None
Function: The AMCBS contains information that is used by OS/VS to locate the master and user catalogs.

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
0	(0)	UNKNOWN	104	AMCBS	AMCBS LEVEL ONE
0	(0)	UNKNOWN	2	CBSID	AMCBS ID CHARACTER
2	(2)	UNKNOWN	2	CBSSIZ	LENGTH OF AMCBS
4	(4)	UNKNOWN	4	CBSMCSTA	CCHH OF MASTER CATALOG
8	(8)	UNKNOWN	4	CBSACB	PTR TO MASTER CATALOG'S ACB
12	(C)	UNKNOWN	4	CBSCBP	POINTER TO CONTROL BLOCK MANIPULATION ROUTINE
16	(10)	UNKNOWN	4	CBSCMP	POINTER TO CATALOG ROUTINE
16	(10)	UNKNOWN	4	CBSMCUCB	MASTER CATALOG UCB ADDRESS (NIP THROUGH MASTER CATALOG OPEN)
20	(14)	UNKNOWN	4	CBSCAXCN	POINTER TO CAXNA CHAIN
24	(18)	UNKNOWN	4	CBSCRACA	PTR TO CRA CAXWA CHN
28	(1C)	UNKNOWN	4	CBSCRTCB	CRA TASK TCB POINTER
32	(20)	UNKNOWN	64	CBSVSRT	CDS WORDS FOR CELLS FOR KEY 0 TO 7
32	(20)	UNKNOWN	4	CBSVUSE	CELL USE COUNT
36	(24)	UNKNOWN	4	CBSVPTR	POINTER TO CELL

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
96 (60)	UNKNOWN	4	CBSVSICN	PTR TO IDAVSI CHAIN
100 (64)	UNKNOWN	1	CBSFLG1	AMCBS FLAGS
1...			CBSCUVSI	CLEAN UP OF VSI CHAIN IS REQUIRED
.111 1111				RESERVED
101 (65)	UNKNOWN	3		RESERVED

Common Name: VSAM Access Method Data Statistics Block
Macro ID: IDAAMDSB
DSECT Name: IDAAMDSB
Created by: VSAM OPEN, control block build routine, IDA0192Z
Subpool and Key: 250 and user's key; 231 or 241 and key 0
Size: 96 bytes
Pointed to by: AMBDSB field of the AMB data area
Serialization: None
Function: The AMDSB contains statistical information about
record processing in the data set. It also contains some of
the data set's attributes and specifications. The AMDSB is
built using the data set or index catalog record's AMDSB set
of fields, when the cluster is opened. The data or index
AMB (AMSDSB) points to its associated AMDSB.

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
0	(0)	UNKNOWN	96	IDAAMDSB	DATA SET CHAR./STATISTICS BLOCK
0	(0)	UNKNOWN	1	AMDSBID	CONTROL BLOCK ID
1	(1)	UNKNOWN	1	AMDATTR	ATTRIBUTES
	1...			AMDDST	KEY, CHRONOLOGIC
	.1..			AMDWCK	WRITE CHECK
	..1.			AMDSDT	SEQ SET WITH DATA
	...1			AMDREPL	REPLICATION
	.... 1...			AMDORDER	USE VOLS IN LIST ORDER
	.... .1..			AMDRANGE	KEY RANGE DATA SET
	.... ..1.			AMDRRDS	RELATIVE RECORD DATA SET
	1			AMDSPAN	SPANNED RECORDS ARE ALLOWED
2	(2)	UNKNOWN	2	AMDLEN	LENGTH OF AMDSB
4	(4)	UNKNOWN	2	AMDNEST	NO OF ENTRIES IN IDX SECTN
4	(4)	UNKNOWN	2	AMDAXRKP	RELATIVE KEY POSITION OF ALTERNATE KEY
6	(6)	UNKNOWN	2	AMDRKP	RELATIVE KEY POSITION
8	(8)	UNKNOWN	2	AMDKEYLN	KEY LENGTH
10	(A)	UNKNOWN	1	AMDPCTCA	% FREE CI IN CA
11	(B)	UNKNOWN	1	AMDPCTCI	% FREE BYTES IN CI
12	(C)	UNKNOWN	2	AMDCIFCA	TOTAL NO. OF CIS PER CA

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
14 (E)	UNKNOWN	2	AMDFSCA	NO OF FREE CIS PER CA
16 (10)	UNKNOWN	4	AMDFSCI	NO OF FREE BYTES PER CI
20 (14)	UNKNOWN	4	AMDCINV	CONTROL INTERVAL SIZE
24 (18)	UNKNOWN	4	AMDLRECL	MAXIMUM RECORD SIZE
28 (1C)	UNKNOWN	4	AMDHLRBA	RBA OF HIGH LEVEL IDX REC
28 (1C)	UNKNOWN	4	AMDNSLOT	NO. OF RECORD SLOTS PER CI
32 (20)	UNKNOWN	4	AMDSSRBA	RBA OF FIRST SEQ SET REC
32 (20)	UNKNOWN	4	AMDMAXRR	MAX RELATIVE RECORD NUMBER
36 (24)	UNKNOWN	4	AMDPARDB	PTR TO FIRST ARDB
40 (28)	UNKNOWN	1	AMDATTR3	ATTRIBUTES
	1...		AMDUNQ	ON=NON-UNIQUE KEYS OFF=UNIQUE KEYS
	.1..		AMDFAULT	ON=CYLINDER FAULT ON *** OFF=STAGE THE DATA SET (DEFAULT)
	..1.		AMDBIND	ON=BIND THE DATA SET ON *** OFF=DO NOT BIND (DEFAULT)
	...1		AMDWAIT	ON=WAIT ON A RELINQUISH OFF=DO NOT WAIT (DEFAULT)
	.... 1...		AMDLM	ON=DATA SET LOADED OFF=LOAD MODE OR NOT LOADED
	.... .111			UNUSED
41 (29)	UNKNOWN	7		UNUSED
48 (30)	UNKNOWN	48	AMDSTAT	STATISTICS
48 (30)	UNKNOWN	8	AMDSTSP	SYSTEM TIME STAMP
56 (38)	UNKNOWN	2	AMDNIL	NUMBER INDEX LEVELS
58 (3A)	UNKNOWN	2	AMDNEXT	NUMBER OF EXTENTS

AMDSB   AMDSB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
60 (3C)	UNKNOWN	4	AMDNLR	NUMBER LOGICAL RECORDS
64 (40)	UNKNOWN	4	AMDDELR	NUMBER DELETED RECORDS
68 (44)	UNKNOWN	4	AMDIREC	NUMBER INSERTED RECORDS
72 (48)	UNKNOWN	4	AMDUPR	NUMBER UPDATED RECORDS
76 (4C)	UNKNOWN	4	AMDRETR	NUMBER RETRIEVED RECORDS
80 (50)	UNKNOWN	4	AMDASPA	BYTES OF FREE SPACE IN DS
84 (54)	UNKNOWN	4	AMDNCIS	NUMBER OF CI SPLITS
88 (58)	UNKNOWN	4	AMDNCAS	NUMBER OF CA SPLITS
92 (5C)	UNKNOWN	4	AMDEXCP	NUMBER OF EXCPS

Common Name: Allocated Queue Element
Macro ID: IHAAQE
DSECT Name: AQESECT
Created by: IEAVGM00 (VSM Supervisor)
Subpool and Key: 253 or 254 and key 0
Size: 8 bytes
Pointed to by: TCBAQE field of the TCB data area
                AQEPTR field of the AQE data area
Serialization: Local lock
Function: Describes task-related LSQA space. Freed
automatically at the end of task or jobstep.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	AQESECT	,TCBAQE ALLOCATED QUEUE ELEMENT
0	(0) A-ADDRESS	4	AQEPTR	ADDRESS OF PREVIOUS AQE
4	(4) SIGNED	4	AQELEN	LENGTH OF ALLOCATED AREA

ASCB

Common Name: Address Space Control Block
Macro ID: IHAASCB
DSECT Name: ASCB
Created by: SYSGEN, IEAVEMRQ
Subpool and Key: 245 and key 0
Size: 248 bytes
Pointed to by: CVTASCBH and CVTASCBL fields of the CVT data
                area
            PSAANEW and PSAAOLD fields of the PSA data
                area
            ASVTENTY field of the ASVT data area
            ASCBFWDP and ASCBBWDP fields of the ASCB
             data area
            ASMASCBP field of the ASMVT data area
            JSELASCB field of the JSEL data area
            LCTASCBA field of the LCT data area
            PASCBSV field of the LDA data area
            LWAPASCB field of the LWA data area
            PSBASCB field of the PCB data area
            RSMASCB field of the RSMHD data area
            SMCAASCB field of the SMCA data area
            SRBASCB field of the SRB data area
            SSENASCB and SSETASCB fields of the SSOB
             data area
            TCASASCB field of the TCAST data area
            TQEASCB field of the TQE data area
            TSBASCBA field of the TSB data area
            TVCSASCB field of the TVCS data area
            TWAASCB field of the TWAR data area
            UCMASCB field of the UCM data area
            OUCBASCB field of the OUCB data area
Serialization: As follows
ASCBTNEW - local lock; ASCBTCBS,L - CS; ASCBDSPl -
dispatcher lock-pre 50 (global intersect-SU 50);
ASCBSCNT - CS; ASCBSVRB, SYNC - CDS; ASCBLSMQ,1SPL - CS;
ASCBSRQ - local lock
Function: Contain information and pointers needed for
Address Space Control.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	ASCB	
0 (0)	FLOATING	8	ASCBEGIN	BEGINNING OF ASCB
0 (0)	CHARACTER	4	ASCBASCB	ACRONYM IN EBCDIC ASCB-
4 (4)	A-ADDRESS	4	ASCBFWDP	ADDRESS OF NEXT ASCB ON ASCB READY QUEUE
8 (8)	A-ADDRESS	4	ASCBBWDP	ADDRESS OF PREVIOUS ASCB ON ASCB READY QUEUE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
12	(C) A-ADDRESS	4	ASCBCMSF	ADDRESS OF NEXT ASCB ON CMS SUSPEND QUEUE
16	(10) FLOATING	8	ASCBSUPC	SUPERVISOR CELL FIELD
16	(10) A-ADDRESS	4	ASCBSVRB	SVRB POOL ADDRESS
20	(14) SIGNED	4	ASCBSYNC	COUNT USED TO SYNCHRONIZE SVRB POOL
24	(18) A-ADDRESS	4	ASCBIOSP	POINTER TO IOS PURGE INTERFACE CONTROL BLOCK (IPIB)
28	(1C) A-ADDRESS	4	ASCBSPL	POINTER TO SPL
32	(20) SIGNED	4	ASCBCPUS	NUMBER OF CPU'S ACTIVE IN THIS MEMORY
36	(24) SIGNED	2	ASCBASID	ADDRESS SPACE IDENTIFIER FOR THE ASCB
38	(26) SIGNED	2	ASCBSEQN	SEQUENCE NUMBER THAT REPRESENTS THE ASCB'S POSITION ON THE DISPATCHING QUEUE
40	(28) SIGNED	2	ASCBIOSM	I/O SERVICE MEASURE
42	(2A) SIGNED	1	ASCBRV07	RESERVED
43	(2B) SIGNED	1	ASCBDP	DISPATCHING PRIORITY RANGE FROM 0-255
44	(2C) A-ADDRESS	4	ASCBSTOR	TABLE LENGTH AND REAL ADDRESS OF SEGMENT TABLE IN THE SAME FORMAT AS CONTROL REGISTER ONE
48	(30) A-ADDRESS	4	ASCBLDA	POINTER TO LOCAL DATA AREA PART OF LSQA FOR VSM

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
52 (34)	A-ADDRESS	4	ASCBRSM	ADDRESS OF RSM'S CONTROL BLOCK HEADER
52 (34)	BITSTRING	1	ASCBRSMF	RSM ADDRESS SPACE FLAGS
1...			ASCB2LPU	X'80' SECOND LEVEL PREFERRED USER
.1..			ASCB1LPU	X'40' FIRST LEVEL PREFERRED USER
..1.			ASCBN2LP	X'20' SRM IN SYSEVENT TRANSWAP SHOULD NOT SET ASCB2LPU BIT HOWEVER IT MAY ALREADY BE ON AND WILL STAY ON
...1			ASCBVEQR	X'10' V=R ADDRESS SPACE
.... 1...			ASCBRV51	X'08',,C'X' RESERVED
.... .1..			ASCBRV52	X'04',,C'X' RESERVED
.... ..1.			ASCBRV53	X'02',,C'X' RESERVED
....1			ASCBRV54	X'01',,C'X' RESERVED
53 (35)	A-ADDRESS	3	ASCBRSMA	ADDRESS OF RSM'S CONTROL BLOCK HEADER
56 (38)	A-ADDRESS	4	ASCBCSCB	ADDRESS OF CSCB
60 (3C)	A-ADDRESS	4	ASCBTSB	ADDRESS OF TSB
64 (40)	FLOATING	8	ASCBEJST	ELAPSED JOB STEP TIMING UNSIGNED 64 BIT BINARY NUMBER
72 (48)	FLOATING	8	ASCBEWST	TIME OF DAY WHENEVER I-STREAM IS SWITCHED FROM A MEMORY
80 (50)	SIGNED	4	ASCBJSTL	CPU TIME LIMIT FOR THE JOB STEP UNSIGNED 32 BIT BINARY NUMBER
84 (54)	SIGNED	4	ASCBECB	RCT'S WORK ECB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
88 (58)	SIGNED	4	ASCBJBST	TIME STAMP WHEN USER BECOMES READY
92 (5C)	SIGNED	4	ASCBBV44	RESERVED
96 (60)	A-ADDRESS	4	ASCBDUMP	SVC DUMP'S ECB POINTER
100 (64)	SIGNED*	4	ASCBFMI	FULL-WORD LABEL TO BE USED FOR COMPARE AND SWAP FOR ANY BIT IN THIS WORD
100 (64)	SIGNED	2	ASCBAFFN	CPU AFFINITY INDICATOR
102 (66)	BITSTRING	1	ASCBRCTF	FLAGS FOR RCT INDICATOR
1.......			ASCBTMNO	X'80' MEMORY IS BEING QUIESCED, OR QUIESCED, OR IS BEING RESTORED
.1......			ASCBFRS	X'40' RESTORE REQUEST
..1.....			ASCBFQU	X'20' QUIESCE REQUEST
...1....			ASCBRV06	X'10',,C'X'. RESERVED
....1...			ASCBWAIT	X'08' LONG WAIT INDICATOR
.....1..			ASCBOUT	X'04' ADDRESS SPACE CONSIDERED SWAPPED OUT
......1.			ASCBTHLM	X'02' MEMORY IS IN A LONG WAIT
.......1			ASCBRF01	X'01',,C'X'. RESERVED
103 (67)	BITSTRING	1	ASCBFLG1	FLAG FIELD
1.......			ASCBTOFF	X'80' MEMORY SHOULD NOT BE CHECKED FOR JOB STEP TIMING
.1......			ASCBCMSH	X'40' CMS LOCK HELD
..1.....			ASCBSS2	X'20' STAGE II EXIT EFFECTOR HAS SCHEDULED A RQE OR IQE AND STAGE III EXIT EFFECTOR SHOULD BE INVOKED
...1....			ASCBTERM	X'10' ADDRESS SPACE TERMINATING NORMALLY

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... 1...			ASCBABNT	X'08' ADDRESS SPACE TERMINATING ABNORMALLY
.... .1..			ASCBSTND	X'04' TCB'S NON-DISPATCHABLE
.... ..1.			ASCBTYP1	X'02' TYPE 1 SVC HAS CONTROL
....1			ASCBNSWP	X'01' PROGRAM IS NON SWAPPABLE OR WILL RUN IN V=R REGION
104 (68)	SIGNED	4	ASCBTMCH	TERMINATION QUEUE CHAIN
108 (6C)	A-ADDRESS	4	ASCBASXB	POINTER TO ADDRESS SPACE EXTENSION CONTROL BLOCK (ASXB)
112 (70)	SIGNED	2	ASCBSWCT	NUMBER OF TIMES MEMORY ENTERS SHORT WAIT
114 (72)	BITSTRING	1	ASCBDSP1	NON-DISPATCHABILITY FLAGS
1...			ASCBNDQ	X'80' ASCB NOT ON ASCB DISPATCHING QUEUE
.1..			ASCBFAIL	X'40' A FAILURE HAS OCCURRED WITHIN THE ADDRESS SPACE. THE MEMORY IS NON-DISPATCHABLE
..1.			ASCBRF02	X'20',,C'X' RESERVED
...1			ASCBRF03	X'10',,C'X' RESERVED
.... 1...			ASCBRF04	X'08',,C'X' RESERVED
.... .1..			ASCBRF05	X'04',,C'X' RESERVED
.... ..1.			ASCBRF06	X'02',,C'X' RESERVED
....1			ASCBRF07	X'01',,C'X' RESERVED
115 (73)	BITSTRING	1	ASCBFLG2	FLAG BYTE
1...			ASCBXMPT	X'80' ASCB EXEMPT FROM SYSTEM NON-DISPATCHABLE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.1..			ASCBPXMT	X'40' ASCB PERMANENTLY EXEMPT FROM SYSTEM NON-DISPATCHABLE
..1.			ASCBCEXT	X'20' CANCEL TIMER EXTENSION BECAUSE EOT PROCESSING IS STARTED FOR THE JOB STEP TCB
...1			ASCBS2S	X'10' FOR LOCK MANAGER, ENTRY MADE TO STAGE II EXIT EFFECTOR WITHOUT CORRESPONDING ENTRY TO STAGE III EXIT EFFECTOR
.... 1...			ASCBSNQS	X'08' STATUS STOP NON-QUIESCEABLE LEVEL SRB'S
.... .1..			ASCBRV04	X'04',,C'X' RESERVED
.... ..1.			ASCBRV05	X'02',,C'X' RESERVED
....1			ASCBRV06	X'01',,C'X' RESERVED
116 (74) SIGNED		2	ASCBSSRB	COUNT OF STATUS STOP SRB'S
118 (76) SIGNED		2	ASCBSRBS	COUNT OF SRB'S DISPATCHED IN THIS MEMORY
120 (78) SIGNED		2	ASCBVSC	ALLOCATED AUXILIARY SLOT COUNT (VAM)
122 (7A) SIGNED		2	ASCBNVSC	ALLOCATED AUXILIARY SLOT COUNT (NON-VAM)
124 (7C) SIGNED		4	ASCBTCBS	NUMBER OF READY TCB'S IN THIS MEMORY
128 (80) FLOATING		8	ASCBLKGP	LOCK GROUP
128 (80) SIGNED		4	ASCBLOCK	LOCAL LOCK
132 (84) A-ADDRESS		4	ASCBLSQH	LOCAL LOCK SUSPEND QUEUE HEADER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
136 (88)	SIGNED	4	ASCBQECB	QUIESCE ECB
140 (8C)	SIGNED	4	ASCBMECB	MEMORY CREATE/DELETE ECB
144 (90)	A-ADDRESS	4	ASCBOUCB	SYSTEM RESOURCES MANAGER (SRM) USER CONTROL BLOCK POINTER
148 (94)	A-ADDRESS	4	ASCBOUXB	SYSTEM RESOURCES MANAGER (SRM) USER EXTENSION BLOCK POINTER
152 (98)	SIGNED	2	ASCBFMCT	ALLOCATED PAGE FRAME COUNT
154 (9A)	SIGNED	2	ASCBRS01	RESERVED FOR FUTURE USE
156 (9C)	A-ADDRESS	4	ASCBXMPQ	POINTER TO XMPOST SRB QUEUE
160 (A0)	A-ADDRESS	4	ASCBIQEA	POINTER TO IQE FOR ATCAM ASYNCHRONOUS PROCESSING
164 (A4)	A-ADDRESS	4	ASCBRTWA	POINTER TO LAST RTM2 WORK AREA ACQUIRED FROM SQA
168 (A8)	CHARACTER	4	ASCBMCC	USED TO HOLD A MEMORY TERMINATION COMPLETION CODE ON ABNORMAL MEMORY TERMINATION
172 (AC)	A-ADDRESS	4	ASCBJBNI	POINTER TO JOBNAME FIELD FOR INITIATED PROGRAMS OR ZERO
176 (B0)	A-ADDRESS	4	ASCBJBNS	POINTER TO JOBNAME FIELD FOR START/MOUNT/LOG ON OR ZERO
180 (B4)	SIGNED	4	ASCBSRQ	DISPATCHER SERIALIZATION QUEUE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
180	(B4) BITSTRING	1	ASCBSRQ1	FIRST BYTE OF ASCBSRQ
1...			ASCBSTA	X'80' STATUS ACTIVE
.1..			ASCBRV13	X'40',,C'X' RESERVED
..1.			ASCBRV14	X'20',,C'X' RESERVED
...1			ASCBRV15	X'10',,C'X' RESERVED
.... 1...			ASCBRV16	X'08',,C'X' RESERVED
.... .1..			ASCBRV17	X'04',,C'X' RESERVED
.... ..1.			ASCBRV18	X'02',,C'X' RESERVED
....1			ASCBRV19	X'01',,C'X' RESERVED
181	(B5) BITSTRING	1	ASCBSRQ2	SECOND BYTE OF ASCBSRQ
1...			ASCBRV20	X'80',,C'X' RESERVED
.1..			ASCBRV21	X'40',,C'X' RESERVED
..1.			ASCBRV22	X'20',,C'X' RESERVED
...1			ASCBRV23	X'10',,C'X' RESERVED
.... 1...			ASCBRV24	X'08',,C'X' RESERVED
.... .1..			ASCBRV25	X'04',,C'X' RESERVED
.... ..1.			ASCBRV26	X'02',,C'X' RESERVED
....1			ASCBRV27	X'01',,C'X' RESERVED
182	(B6) BITSTRING	1	ASCBSRQ3	THIRD BYTE OF ASCBSRQ
1...			ASCBRV28	X'80',,C'X' RESERVED
.1..			ASCBRV29	X'40',,C'X' RESERVED
..1.			ASCBRV30	X'20',,C'X' RESERVED
...1			ASCBRV31	X'10',,C'X' RESERVED
.... 1...			ASCBRV32	X'08',,C'X' RESERVED
.... .1..			ASCBRV33	X'04',,C'X' RESERVED
.... ..1.			ASCBRV34	X'02',,C'X' RESERVED
....1			ASCBRV35	X'01',,C'X' RESERVED
183	(B7) BITSTRING	1	ASCBSRQ4	FOURTH BYTE OF ASCBSRQ
1...			ASCBRV36	X'80',,C'X' RESERVED
.1..			ASCBRV37	X'40',,C'X' RESERVED
..1.			ASCBRV38	X'20',,C'X' RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
...1			ASCBRV39	X'10',,C'X' RESERVED
.... 1...			ASCBRV40	X'08',,C'X' RESERVED
.... .1..			ASCBRV41	X'04',,C'X' RESERVED
.... ..1.			ASCBRV42	X'02',,C'X' RESERVED
....1			ASCBRV43	X'01',,C'X' RESERVED
184 (B8)	A-ADDRESS	4	ASCBVGTT	ADDRESS OF VSAM GLOBAL TERMINATION TABLE (VGTT)
188 (BC)	A-ADDRESS	4	ASCBPCTT	ADDRESS OF PRIVATE CATALOG TERMINATION TABLE (PCTT)
192 (C0)	SIGNED	2	ASCBRS12	RESERVED FOR FUTURE USE
194 (C2)	SIGNED	1	ASCBSMCT	NUMBER OF OUTSTANDING STEP MUST COMPLETE REQUESTS IN ADDRESS SPACE
195 (C3)	BITSTRING	1	ASCBRS14	RESERVED FOR FUTURE USE
196 (C4)	SIGNED	4	ASCBSWTL	STEP WAIT TIME LIMIT
200 (C8)	FLOATING	8	ASCBSRBT	ACCUMULATED SRB TIME
208 (D0)	FLOATING	8	ASCBEND	END OF ASCB

ASMHD

Common Name: Auxiliary Storage Management Header
Macro ID: ILRASMHD
DSECT Name: ASMHD
Created by: IEAVITAS, see RSMHD data area
Subpool and Key: 245 and key 0
Size: 32 bytes
Pointed to by: ASCBRSM field of ASCB data area + offset of
RSMASMHD.
Serialization: The SALLOC lock is used to serialize: I/O
control flags, swap and page counters, and the swap queues.
The ASM class lock of the owning address space is used to
serialize: VIO control flags and LGE queue base pointers.
Function: ASMHD is used by ASM to manage paging I/O and
swap operations for each private address space. ASM also
uses ASMHD to control all operations for VIO data sets
owned by a private address space.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	UNKNOWN	32	ASMHL	ASM HEADER
0 (0)	UNKNOWN	1	ASHFLAG1	I/O CONTROL FLAGS
1...			ASHSWPOT	SWAP-OUT FLAG 1 = SWAP-OUT OPERATION IN PROGRESS 0 = NO SWAP-OUT IN PROGRESS
.1..			ASHCAPER	SWAP CAPTURE QUEUE ERROR 1 = ONE OR MORE SWAP-OUT AIAS ON SWAP CAPTURE QUEUE HAS SUFFERED AN I/O ERROR 0 = ALL AIAS ON SWAP CAPTURE QUEUE HAVE COMPLETED SUCCESSFULLY
..1.			ASHPERME	PERMANENT SOFTWARE ERROR FLAG 1 = ONE OR MORE SWAP-OUT AIAS ON THE SWAP CAPTURE Q HAS AN UNRESTARTABLE SOFT ERROR 0 = ALL AIAS ON THE SWAP CAPTURE Q HAVE NO LOGICAL ERRORS
...1			ASHRSV2	RESERVED
.... 1...			ASHRSV3	RESERVED
.... .1..			ASHRSV4	RESERVED
.... ..1.			ASHRSV5	RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	1		ASHRSV6	RESERVED
1	(1) UNKNOWN	1	ASHFLAG2	VIO CONTROL FLAGS
	1...		ASHSCHED	SRB CONTROLLER SCHEDULED FLAG 1 = SRB CONTROLLER HAS BEEN SCHEDULED, BUT NOT DISPATCHED SRB FOR ADDRESS SPACE NOT AVAILABLE 0 = SRB FOR ADDRESS SPACE AVAILABLE
	.1..		ASHRSV13	RESERVED
	..1.		ASHRSV7	RESERVED
	...1		ASHRSV8	RESERVED
	.... 1...		ASHRSV9	RESERVED
	.... .1..		ASHRSV10	RESERVED
	.... ..1.		ASHRSV11	RESERVED
	1		ASHRSV12	RESERVED
2	(2) UNKNOWN	2	ASHSWPCT	COUNT OF STARTED BUT NOT COMPLETE LSQA SWAP-OUT AIAS
4	(4) UNKNOWN	4	ASHBKSLT	NUMBER OF AUXILIARY STORAGE SLOTS RESERVED FOR THIS ADDRESS SPACE
8	(8) UNKNOWN	4	ASHIOCNT	COUNT OF PRIVATE AREA AIA I/O REQUEST STARTED BUT NOT COMPLETE
12	(C) UNKNOWN	4	ASHSWAPQ	SNAP QUEUE FOR AIAS, THIS QUEUE IS A HOLD QUEUE FOR LSQA AIAS DURING SWAP-OUT PROCESSING OF NON-LSQA I/O
16	(10) UNKNOWN	4	ASHCAPQ	SWAP CAPTURE QUEUE USED TO COLLECT I/O COMPLETE AIAS DURING LSQA SWAP-OUT PROCESSING

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
20 (14)	UNKNOWN	4	ASHLOCK	LOCK WORD FOR ASM CLASS LOCK, USED BY VIO CONTROL PROCESSING
24 (18)	UNKNOWN	4	ASHVSRBP	ADDRESS OF SRB USED BY VIO CONTROL TO DISPATCH THE SRB CONTROLLER. THIS POINTER IS ZERO IF NO VIO DATA SETS HAVE EVER BEEN USED BY THE ADDRESS SPACE. ONCE CREATED, THE SRB IS NOT FREED UNTIL ADDRESS SPACE TERMINATION
28 (1C)	UNKNOWN	4	ASHLGEQ	ADDRESS OF FIRST LGE IN QUEUE OF LGES FOR VIO DATA SETS

ASMVT

Common Name: ASM Vector Table
Macro ID: ILRASMVT
DSECT Name: ASMVT
Created by: NIP initialization
Subpool and Key: Nucleus and key 0
Size: 1024 bytes
Pointed to by: CVTASMVT field of the CVT data area.
Serialization: The SALLOC lock is used to serialize: work
save area, I/O control section fields, flags (ASMDUPLX,
ASMNOCWQ, ASMCALLQ, ASMNODPX, ASMPFPAF, ASMCOMMF), the
LGVT address (ASMLGVT), the non-VIO slot count (ASMNVSC)
and expansion of ASM pools. Compare and Swap logic is
used to serialize I/O subsystem and group operator
sections, I/O error count (ASMERRS), the unreserved local
slot count (ASMBKSLT), the VIO slot count (ASMUSC) and the
pool-controller queues.
Function: The ASMVT is a collection of general ASM
information to be used by most ASM functions.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	UNKNOWN	1024	ASMVT	ASM VECTOR TABLE
0 (0)	UNKNOWN	1	ASMFLAG1	ASM GLOBAL FLAG FIELD 1
	1...		ASMDUPLX	DUPLEXING OPTION FLAG, 1 = DUPLEXING OF COMMON REQUESTED DUPLEX PAGE DATA SET OPENED BY RIM 0 = DUPLEXING NOT REQUESTED, NO DUPLEX DATA SET OPENED BY RIM, OR DUPLEXING SUSPENDED IF DUPLEXING SUSPENDLD FLAG IS ON
	.1..		ASMNOCWQ	NO COMMON WRITE QUEUE FLAG, 1 = DO NOT QUEUE WRITE IOE'S TO COMMON WRITE QUEUE, 0 = DO NORMAL IOE QUEUING

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			ASMNOLCL	NO LOCAL DATA PAGING FLAG, 1 = ALL WRITE IOE'S MUST BE QUEUED TO COMMON WRITE QUEUE, 0 = QUEUE IOE'S NORMALLY
...1			ASMRSV1	RESERVED
.... 1...			ASMNODPX	DUPLEXING SUSPENDED FLAG, 1 = DUPLEXING HAS BEEN SUSPENDED BECAUSE THE DUPLEX PAGE DATA SET IS FULL OR INOPERATIVE, 0 = DUPLEXING STILL ACTIVE IF REQUESTED
.... .1..			ASMPLPAF	PLPA DATA SET FULL FLAG, 1 = PLPA DATA SET FULL, 0 = PLPA DATA SET NOT FULL
.... ..1.			ASMCOMMF	COMMON DATA SET FULL FLAG, 1 = COMMON DATA SET FULL, 0 = COMMON DATA SET NOT FULL
....1			ASMPLPAS	PLPA DATA SET SPILL FLAG, 1 = PLPA DATA SET SPILLED TO COMMON DATA SET DURING PLPA BUILD AT NIP TIME, 0 = PLPA DATA SET NOT FULL AFTER PLPA BUILD
1	(1) UNKNOWN	1	ASMFLAG2	ASM GLOBAL FLAG FIELD 2
1...			ASMCALLQ	QIOE CALLER FLAG, 1 = PAGE COMPLETION IS THE CALLER OF QIOE, 0 = QIOE CALLED BY SOME OTHER ASM ROUTINE
.1..			ASMNOSAV	NO SAVE FLAG, 1 = SYS1.STGINDEX UNAVAILABLE OR FULL, SAVE REQUESTS NOT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				DONE, 0 = SYS1.STGINDEX AVAILABLE FOR USE
	..1.		ASMNOTMR	NO TASK MODE RELEASE FLAG, 1 = TASK MODE RELEASE (ILRTMRLG) HAS SUFFERED INDETERMINATE ERRORS, DO NOT POST ITS ECB, 0 = ILRTMRLG RUNNING NORMALLY
	...1		ASMNOTPT	NO TPARTABLE FLAG, 1 = A READ OR WRITE OF TPARTABLE HAS FAILED, IT IS NOT UP TO DATE, 0 = TPARTABLE AVAILABLE AND CORRECT
	.... 1...		ASMQUICK	QUICK START IPL FLAG, 1 = ASM INITIALIZATION PROCESSED PLPA IN QUICK START MODE (NOT CLPA), 0 = ASM INITIALIZATION PROCESSED PLPA IN COLD START MODE (CLPA), OR WAS FORCED TO CONVERT TO COLD START MODE
	.... .1..		ASMWARM	WARM START IPL FLAG, 1 = ASM INITIALIZATION PROCESSED VIO DATA SETS IN WARM START MODE (NOT CVIO), 0 = ASM INITIALIZATION PROCESSED VIO DATA SETS IN CVIO MODE, OR WAS FORCED TO CONVERT A WARM START REQUEST TO CVIO
2	(2) UNKNOWN	2	ASMDSSFS	IF NOT ZERO, FIRST SLOT NUMBER OF DSS RESERVED AREA ON PLPA PAGE DATASET

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
4	(4) UNKNOWN	4	ASMSART	ADDRESS OF SWAP ACTIVITY REFERENCE TABLE SART
8	(8) UNKNOWN	4	ASMPART	ADDRESS OF PAGING ACTIVITY REFERENCE TABLE PART
12	(C) UNKNOWN	4	ASMGOS	ADDRESS OF ILRGOS, USED BY ILRCALL MACRO
16	(10) UNKNOWN	4	ASMTRPAG	ADDRESS OF ILRTRPAG, ENTRY POINT IN ILRFOS, USED BY ILRCALL MACRO
20	(14) UNKNOWN	4	ASMEREC	ADDRESS OF BAD SLOT ERROR RECORD MAINTAINED BY ILRCMP
24	(18) UNKNOWN	4	ASMMSGBF	ADDRESS OF MESSAGE BUFFER USED BY ASM MESSAGE ROUTINE
28	(1C) UNKNOWN	4	ASMRSV5	RESERVED

THE FOLLOWING SECTION OF THE ASMVT IS USED PRIMARILY BY THE I/O CONTROL MODULES OF ASM.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
32	(20) UNKNOWN	8	ASMSTAGQ	I/O STAGING QUEUE CONTAINING AIA'S WAITING FOR AVAILABLE IOE'S
32	(20) UNKNOWN	4	ASMSTAGF	ADDRESS OF FIRST AIA ON STAGING QUEUE
36	(24) UNKNOWN	4	ASMSTAGL	ADDRESS OF LAST AIA ON STAGING QUEUE
40	(28) UNKNOWN	4	ASMIORQR	COUNT OF I/O REQUESTS (AIA'S) RECEIVED BY I/O CONTROL, THIS DOES NOT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				INCLUDE LSQA SWAP AIA'S
44 (2C)	UNKNOWN	4	ASMIORQC	COUNT OF I/O REQUESTS (AIA'S) COMPLETED AND RETURNED TO RSM
48 (30)	UNKNOWN	16	ASMRSV6	RESERVED

THE FOLLOWING SECTION OF THE ASMVT IS USED PRIMARILY BY THE I/O SUBSYSTEM MODULES OF ASM.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
64 (40)	UNKNOWN	8	ASMPCCWQ	QUEUE OF AVAILABLE PCCW'S FOR SLOT SORT, QUEUE IS MAINTAINED BY COMPARE AND SWAP LOGIC WHICH MAKES THE SYNCHRONIZATION COUNT NECESSARY
64 (40)	UNKNOWN	4	ASMPCCWA	ADDRESS OF FIRST AVAILABLE PCCW
68 (44)	UNKNOWN	4	ASMPCCWC	SYNCHRONIZATION COUNT, DECREMENTED WHEN REMOVING PCCW'S, UNCHANGED WHEN ADDING PCCW'S
72 (48)	UNKNOWN	4	ASMPCCWN	NUMBER OF PCCW'S BUILT BY RIM
76 (4C)	UNKNOWN	4	ASMBURST	LENGTH OF SERVICE BURST FOR PAGE DATA SETS (IN MICROSECONDS)
80 (50)	UNKNOWN	4	ASMIOCNT	COUNT OF STARTIO REQUESTS MADE TO IOS THAT HAVE NOT COMPLETED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
84 (54)	UNKNOWN	4	ASMSRBCT	NUMBER OF SRB'S SCHEDULED FOR THE I/O SUBSYSTEM THAT HAVE NOT BEEN DISPATCHED, THIS COUNT SHOULD BE EITHER 0 OR 1, IT IS MAINTAINED BY COMPARE AND SWAP LOGIC
88 (58)	UNKNOWN	4	ASMPSRB	ADDRESS OF SRB USED TO SCHEDULE THE I/O SUBSYSTEM
92 (5C)	UNKNOWN	16	ASMRSV7	RESERVED

THE FOLLOWING SECTION OF THE ASMVT IS USED FOR PAGE DATA SET SLOT ACCOUNTING.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
108 (6C)	UNKNOWN	4	ASMBKSLT	COUNT OF UNRESERVED LOCAL SLOTS, THIS COUNT IS DECREMENTED AND INCREMENTED FOR EACH ADDRESS SPACE OR VIO LG CREATED OR DELETED
112 (70)	UNKNOWN	4	ASMSLOTS	COUNT OF TOTAL LOCAL SLOTS IN ALL OPEN LOCAL PAGE DATA SETS
116 (74)	UNKNOWN	4	ASMVSC	COUNT OF TOTAL LOCAL SLOTS ALLOCATED TO VIO PRIVATE AREA PAGES
120 (78)	UNKNOWN	4	ASMNVSC	COUNT OF TOTAL LOCAL SLOTS ALLOCATED TO NON-VIO PRIVATE AREA PAGES
124 (7C)	UNKNOWN	4	ASMERRS	COUNT OF BAD SLOTS FOUND ON LOCAL DATA SETS DURING NORMAL

ASMVT

ASMVT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

OPERATIONS
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THE FOLLOWING SECTION OF THE ASMVT IS USED PRIMARILY BY THE
VIO CONTROLLER AND THE GROUP OPERATOR MODULES.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
128	(80) UNKNOWN	4	ASMSLOTV	ADDRESS OF THE SLOTV CONSTANT
132	(84) UNKNOWN	4	ASMLGVT	ADDRESS OF THE LOGICAL GROUP VECTOR TABLE
136	(88) UNKNOWN	4	ASMSTGXA	ADDRESS OF THE ACB FOR SYS1.STGINDEX
140	(8C) UNKNOWN	4	ASMCINV	NUMBER OF CONTROL INTERVALS IN SYS1.STGINDEX
144	(90) UNKNOWN	8	ASMLSAI	ASM STORAGE LOCATOR 'S' SYMBOL GENERATOR, LAST 'S' SYMBOL ASSIGNED
144	(90) UNKNOWN	4	ASMLSAIL	LOW WORD OF 'S' SYMBOL GENERATOR
148	(94) UNKNOWN	4	ASMLSAIH	HIGH WORD OF 'S' SYMBOL GENERATOR
152	(98) UNKNOWN	8	ASMGOSQS	DOUBLEWORD REFERENCE FOR GOS WORK QUEUES
152	(98) UNKNOWN	4	ASMGOSHT	QUEUE OF ELEMENTS FOR ACE'S WAITING FOR VSAM BUFFER TO BECOME AVAILABLE, USED BY ILRGOS
156	(9C) UNKNOWN	4	ASMGOSWK	FIFO WORK QUEUE OF ELEMENTS FOR ACE'S, USED BY ILRGOS TO START OPERATIONS WAITING FOR VSAM BUFFERS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
160 (A0)	UNKNOWN	4	ASMREQCT	NUMBER OF SIMULTANEOUS REQUESTS THAT CAN BE MADE TO VSAM, THIS NUMBER (MINUS ONE FOR ILRTMRLG'S USE) CORRESPONDS TO THE STRING NUMBER PARAMETER ON THE OPEN FOR SYS1.STGINDEX
164 (A4)	UNKNOWN	4	ASMTCBPT	ADDRESS OF ASM TCB
168 (A8)	UNKNOWN	4	ASMTMECB	ECB USED BY ILRTMRLG TO WAIT FOR WORK, THIS ECB IS POSTED BY ILRRLG
172 (AC)	UNKNOWN	4	ASMRLGRQ	REQUEST QUEUE FOR ILRTMRLG CONSISTING OF ACE'S QUEUED BY ILRRLG, QUEUE IS SERIALIZED BY COMPARE AND SWAP LOGIC
176 (B0)	UNKNOWN	4	ASMRLGWQ	WORK QUEUE FOR ILRTMRLG TO HOLD ACE'S MOVED FROM REQUEST QUEUES
180 (B4)	UNKNOWN	4	ASMTASCB	ADDRESS OF ASCB FOR ADDRESS SPACE IN WHICH ILRTMRLG IS RUNNING
184 (B8)	UNKNOWN	4	ASMVSAMW	QUEUE OF ELEMENTS FOR ACES WAITING FOR A PARTICULAR RECORD ON SYS1.STGINDEX TO BECOME AVAILABLE TO BECOME AVAILABLE, USED BY ILRVSAMI

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
188 (BC)	UNKNOWN	4	ASMRSV8	RESERVED

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THE FOLLOWING SECTION OF THE ASMVT CONTAINS ENTRY POINT
ADDRESSES OF THOSE ASM ROUTINES OR SUBROUTINES THAT ARE CALL
BY MORE THAN ONE MODULE, OR THAT RESIDE IN LPA. LPA ROUTINE
ENTRY POINTS ARE DETERMINED AT TASK MODE INITIALIZATION.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
192 (C0)	UNKNOWN	4	ASMPQIOE	ADDRESS OF ILRQIOE, SUBROUTINE OF ILRPAGIO
196 (C4)	UNKNOWN	4	ASMPFRSL	ADDRESS OF ILRFRSL1, FREESLOT ENTRY POINT OF ILRFRSLT
200 (C8)	UNKNOWN	4	ASMPFRSW	ADDRESS OF ILRFLSW1, FREESWAP ENTRY POINT OF ILRFRSLT
204 (CC)	UNKNOWN	4	ASMPTM	ADDRESS OF ILRPTM
208 (D0)	UNKNOWN	4	ASMPSWPD	ADDRESS OF ILRSWPDR
212 (D4)	UNKNOWN	4	ASMPSRMT	ADDRESS OF ILRPSRMT, PART MONITOR AND SWAP DRIVER RMTR
216 (D8)	UNKNOWN	4	ASMPSRBC	ADDRESS OF ILRSRBC
220 (DC)	UNKNOWN	4	ASMVRMTR	ADDRESS OF ILRSRERM, ENTRY POINT OF ILRSRBC FOR VIO RMTR
224 (E0)	UNKNOWN	4	ASMPEX	ADDRESS OF ILRPEX
228 (E4)	UNKNOWN	4	ASMPCMPD	ADDRESS OF ILRCMPDI, ENTRY POINT OF ILRCMP, THE HIGH ORDER BIT OF THIS POINTER IS SET BY THE ASM RIM TO ALLOW ROUTINES BUILDING AN IOSB TO SET THE DIE EXIT ADDRESS AND

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				THE NO-TRAS FLAG IN ONE INSTRUCTION
232 (E8)	UNKNOWN	4	ASMPCMPN	ADDRESS OF ILRCHPNE, ENTRY POINT OF ILRCHP
236 (EC)	UNKNOWN	4	ASMPCMPA	ADDRESS OF ILRCMPAE, ENTRY POINT OF ILRCHP
240 (F0)	UNKNOWN	4	ASMPCMP	ADDRESS OF ILRCMP
244 (F4)	UNKNOWN	4	ASMPSAV	ADDRESS OF ILRSAV
248 (F8)	UNKNOWN	4	ASMPACT	ADDRESS OF ILRACT
252 (FC)	UNKNOWN	4	ASMPRLG	ADDRESS OF ILRRLG
256 (100)	UNKNOWN	4	ASMPFRLG	ADDRESS OF ILRFRELG, ENTRY POINT OF ILRGOS
260 (104)	UNKNOWN	4	ASMPMSG0	ADDRESS OF ILRMSG00
264 (108)	UNKNOWN	4	ASMPMSGS	ADDRESS OF ILRMSGSP, ENTRY POINT OF ILRMSG00
268 (10C)	UNKNOWN	4	ASMPVACQ	ADDRESS OF ILRVACQ2, ENTRY POINT OF ILRFRR01
272 (110)	UNKNOWN	4	ASMPIOFR	ADDRESS OF ILRIOFRR, I/O CONTROL RECOVERY ROUTINE
276 (114)	UNKNOWN	4	ASMPVACE	ADDRESS OF ILRVACE, ENTRY POINT OF ILRFRR01
280 (118)	UNKNOWN	16	ASMRSV10	RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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THE FOLLOWING SECTION OF THE ASMVT CONTAINS THE POOL
CONTROLLERS THAT ARE USED BY THE GMA MACRO TO OBTAIN AND
RELEASE CELLS FOR THOSE ROUTINES REQUIRING ONE OF THESE
CONTROL BLOCKS. THE POOL CONTROLLER MAPPING APPEARS AT THE
END OF THE ASMVT.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
296 (128) UNKNOWN		16	ASMIOEPC	IOE POOL CONTROLLER
312 (138) UNKNOWN		16	ASMBWKPC	256 BYTE WORKAREA POOL CONTROLLER
328 (148) UNKNOWN		16	ASMSWKPC	512 BYTE WORKAREA POOL CONTROLLER, USED EXCLUSIVELY BY ILRVSAMI
344 (158) UNKNOWN		24	ASMACEPC	ACE POOL CONTROLLER

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THE FOLLOWING SECTION OF THE ASMVT CONTAINS WORK-SAVE AREAS
USED BY THE ASM ROUTINES THAT RUN WITH THE SALLOC LOCK.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
368 (170) UNKNOWN		80	ASMWKSA1	USED BY ILRPAGIO
448 (1C0) UNKNOWN		80	ASMWKSA2	USED BY ILRQIOE, SUBROUTINE OF ILRPAGIO
528 (210) UNKNOWN		80	ASMWKSA3	USED BY ILRPAGCM
608 (260) UNKNOWN		80	ASMWKSA4	USED BY ILRSWAP
688 (2B0) UNKNOWN		80	ASMWKSA5	USED BY ILRSLSQA, SUBROUTINE OF ILRSWAP
768 (300) UNKNOWN		80	ASMWKSA6	USED BY ILRPOS AND ILRVIOCM
848 (350) UNKNOWN		80	ASMWKSA7	USED BY ILRPEX AND ILRMSG00
928 (3A0) UNKNOWN		72	ASMSAVE	STANDARD REGISTER SAVE AREA USED BY ASM WHEN CALLING OTHER ROUTINES

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1000 (3E8)	UNKNOWN	24	ASMRSV12	RESERVED

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THE FOLLOWING IS THE MAPPING OF THE POOL CONTROLLERS CONTAIN
IN THE ASMVT.
THE FOLLOWING ARE MAPPINGS OF SOME OF THE WORK-SAVE AREAS
CONTAINED IN THE ASMVT.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
368 (170)	UNKNOWN	80	ASM1WKSV	MAPPING OF WORK-SAVE AREA USED BY ILRPAGIO
368 (170)	UNKNOWN	60	ASM1RGSV	INPUT REGISTER SAVE AREA
368 (170)	UNKNOWN	4	ASM1RG1	SAVE AREA FOR REG 1
372 (174)	UNKNOWN	52		SAVE AREA FOR REG 2 TO REG 14
424 (1A8)	UNKNOWN	4	ASM1RG15	SAVE AREA FOR REG 15
428 (1AC)	UNKNOWN	20	ASM1WRKA	WORK AREA
428 (1AC)	UNKNOWN	4	ASM1ASCB	ADDRESS OF ASCB
432 (1B0)	UNKNOWN	4	ASM1NXTA	ADDRESS OF NEXT AIA
448 (1C0)	UNKNOWN	80	ASM2WKSV	MAPPING OF WORK-SAVE AREA USED BY ILRQIOE
448 (1C0)	UNKNOWN	52	ASM2RGSV	INPUT REGISTER SAVE AREA
500 (1F4)	UNKNOWN	28	ASM2WRKA	WORK AREA
500 (1F4)	UNKNOWN	4	ASM2PAQ	PTR TO PRIVATE AREA IOE'S
504 (1F8)	UNKNOWN	4	ASM2CAQ	PTR TO COMMON AREA IOE'S
508 (1FC)	UNKNOWN	4	ASM2DUPQ	PTR TO DUPLEXED IOE'S
512 (200)	UNKNOWN	1	ASM2FLGS	LOCAL SWITCHES
	1...		ASM2RFLG	READ IOE PUT ON SOME PARTE
	.1..		ASM2WFLG	WRITE IOE BUILT
513 (201)	UNKNOWN	3		UNUSED
516 (204)	UNKNOWN	4	ASM2SR14	SAVE AREA FOR REG 14

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
528 (210)	UNKNOWN	80	ASM3WKSV	MAPPING OF WORK-SAVE AREA USED BY ILRPAGCM
528 (210)	UNKNOWN	4	ASM3SWPQ	QUEUE OF AIA'S FOR SWAPCOMP RTN
532 (214)	UNKNOWN	4	ASM3GENQ	QUEUE OF AIA'S FOR PAGICOMP RTN
536 (218)	UNKNOWN	4	ASM3PIOP	QUEUE OF AIA'S FOR RETURN TO PIOP
540 (21C)	UNKNOWN	4	ASM3THPA	SAVE AREA FOR NEXT AIA PTR
544 (220)	UNKNOWN	4	ASM3GRPA	SAVE AREA FOR NEXT GROUP PTR
548 (224)	UNKNOWN	4	ASM3R14A	SAVE AREA FOR 1ST LEVEL REG 14
552 (228)	UNKNOWN	4	ASM3R14B	SAVE AREA FOR 2ND LEVEL REG 14
556 (22C)	UNKNOWN	4	ASM3SR13	SAVE AREA FOR REG 13
608 (260)	UNKNOWN	80	ASM4WKSV	MAPPING OF WORK-SAVE AREA USED BY ILRSWAP
608 (260)	UNKNOWN	52	ASM4RGSV	INPUT REGISTER SAVE AREA
608 (260)	UNKNOWN	4	ASM4RG2	SAVE AREA FOR REG 2
612 (264)	UNKNOWN	48		SAVE AREA FOR REG 3 TO REG 14
688 (2B0)	UNKNOWN	80	ASM5WKSV	MAPPING OF WORK-SAVE AREA USED BY ILRSLSQA
688 (2B0)	UNKNOWN	52	ASM5RGSV	INPUT REGISTER SAVE AREA
688 (2B0)	UNKNOWN	4	ASM5RG2	SAVE AREA FOR REG 2
692 (2B4)	UNKNOWN	48		SAVE AREA FOR REG 3 TO REG 14

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
740 (2E4)	UNKNOWN	4	ASM5SR14	SAVE AREA FOR REG 14
744 (2E8)	UNKNOWN	4	ASM5GCTR	COUNTER FOR GROUPING AIA'S
748 (2EC)	UNKNOWN	4	ASM5AIA	TEMP SAVE AREA FOR AIA PTR
752 (2F0)	UNKNOWN	1	ASM5FLGS	INTERNAL FLAGS
0 (0)	UNKNOWN	24	ASMPOOLS	CELLPOOL CONTROLLER MAPPING
0 (0)	UNKNOWN	4	ASMCPID	CELLPOOL IDENTIFIER
4 (4)	UNKNOWN	2	ASMCPSIZ	SIZE OF EACH CELL IN POOL
6 (6)	UNKNOWN	2	ASMCPEXT	NUMBER OF CELLS IN POOL EXTENSION
8 (8)	UNKNOWN	8	ASMCPAVQ	AVAILABLE CELL POOL CONTROL
8 (8)	UNKNOWN	4	ASMCPAVL	ADDRESS OF FIRST AVAILABLE CELL IN POOL
12 (C)	UNKNOWN	4	ASMCPCNT	COUNT FOR SYNCHRONIZATION OF THIS POOL, DECREMENTED WHEN REMOVING A CELL FROM POOL, UNCHANGED WHEN PLACING A CELL BACK IN THE POOL
16 (10)	UNKNOWN	8	ASMCPRSQ	ACE POOL ONLY, ACE RESERVE CELL POOL CONTROL
16 (10)	UNKNOWN	4	ASMCPTAK	ACE POOL ONLY, NUMBER OF CELLS TAKEN FROM RESERVE QUEUE
20 (14)	UNKNOWN	4	ASMCPRES	ACE POOL ONLY, RESERVE QUEUE OF ACE CELLS USED ONLY WHEN ACE REQUIRED BY ROUTINES RUNNING WITH THE SALLOC LOCK

ASMVT   ASMVT

CROSS REFERENCE

ASM3PIOP	536(218)
ASM3R14A	548(224)
ASM3R14B	552(228)
ASM3SR13	556(22C)
ASM3SWPQ	528(210)
ASM3TMPA	540(21C)
ASM3WKSV	528(210)
ASM4RGSV	608(260)
ASM4RG2	608(260)
ASM4WKSV	608(260)
ASM5AIA	748(2EC)
ASM5FLGS	752(2F0)
ASM5GCTR	744(2E8)
ASM5RGSV	688(2B0)
ASM5RG2	688(2B0)
ASM5SR14	740(2E4)
ASM5WKSV	688(2B0)

ASPCT

Common Name: ASM Page Correspondence Table
Macro ID: ILRASPCT
DSECT Name: ASPCT
Created by: ILRGOS
Subpool and Key: 255 and key 0
Size: Base segment (1088) + number of LPME and ASST
extensions added
Pointed to by: LGEASPCT field of the LGE data area
LGVENASP field of the LGVT data area
Serialization: While paging operations are being performed,
the ASPCT is serialized via the ASM class lock of the owning
address space. While a group operation is in progress,
ASPCT serialization is maintained by the ACE for the group
operation that is on the LGE process queue. The LGE process
queue ensures that page and group operations are not
performed in parallel for a given logical group and its
ASPCT.
Function: The ASPCT is an internal control block used to
describe the portions of a logical group that have been
written to auxiliary storage.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) UNKNOWN	1088	ASPCT	
0	(0) UNKNOWN	48	ASPHDR	HEADER FIELDS
0	(0) UNKNOWN	4	ASPIDENT	BASE ASPCT IDENT 'ASPC'
4	(4) UNKNOWN	4	ASPLGID	LOGICAL GROUP IDENTIFIER FOR THIS ASPCT
8	(8) UNKNOWN	12	ASPBKEY	VSAM IMBEDDED KEY FOR SYS1.STGINDEX
8	(8) UNKNOWN	8	ASPSSYM	STORAGE LOCATOR 'S' SYMBOL. CONTENTS VALID ONLY AFTER AN ASPCT HAS BEEN SAVED AT LEAST ONCE.
16	(10) UNKNOWN	4		EXTENSION NUMBER ALWAYS ZERO IN BASE
20	(14) UNKNOWN	4	ASPASCB	ADDRESS OF ASCB FOR ADDRESS SPACE OWNING THIS LG
24	(18) UNKNOWN	4	ASPLGE	ADDRESS OF LGE FOR LG THIS ASPCT REPRESENTS.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
28 (1C)	UNKNOWN	1	ASPFLAG	ASPCT FLAGS
1...			ASPSAVED	SAVED FLAG 1=ASPCT HAS BEEN SAVED AT LEAST ONCE 0=ASPCT HAS NOT BEEN SAVED
.1..			ASPSAVRP	RELEASED AFTER SAVE FLAG 1=AT LEAST ONE SAVED PAGE HAS BEEN REWRITTEN UNDER NEW LSID SINCE THE LAST SAVE OF THIS ASPCT 0=NO RELEASED AFTER SAVE PAGES
..11 1111				RESERVED
29 (1D)	UNKNOWN	3		RESERVED
32 (20)	UNKNOWN	4	ASPMAXPN	MAXIMUM RPN SPECIFIED AT ASSIGN LGN TIME
36 (24)	UNKNOWN	4	ASPBKSLT	NUMBER OF SLOTS REMOVED FROM THE AVAILABLE SLOT COUNT FOR THIS LG.
40 (28)	UNKNOWN	4	ASPSAVCT	NUMBER OF SLOTS (LSIDS) SAVED BY SAVE OPERATOR FOR THIS LG. THIS COUNT IS ONLY VALID IN THE SAVED COPY OF THE ASPCT
44 (2C)	UNKNOWN	2	ASPLEXCT	NUMBER OF LPME EXTENSIONS BUILT FOR THIS ASPCT
46 (2E)	UNKNOWN	2	ASPAEXCT	NUMBER OF ASST EXTENSIONS BUILT FOR THIS ASPCT
48 (30)	UNKNOWN	16	ASPASSTP	TABLE OF 4 POINTERS TO ASST EXTENSIONS
64 (40)	UNKNOWN	1024	ASPLPMES	LPME SECTION
1008 (440)	UNKNOWN	0		
0 (0)	UNKNOWN	1088	ASPEXTSN	

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	UNKNOWN (0)	64	ASPEHDR	HEADER FIELDS
0	UNKNOWN (0)	4	ASPEIDNT	ASPCT EXTENSION IDENTIFIER 'ASST' INDICATES ASST EXT. 'LPME', INDICATES LPME EXT.
4	UNKNOWN (4)	4		RESERVED
8	UNKNOWN (8)	12	ASPEXKEY	FULL VSAM KEY FOR THIS ASST EXTENSION
8	UNKNOWN (8)	8	ASPESYM	STORAGE LOCATOR SYMBOL. THIS SYMBOL, VALUE CORRESPONDS TO AND WILL BE EQUAL TO THE 'S' SYMBOL IN BASE ASPCT
16	UNKNOWN (10)	4	ASPEXTNM	EXTENSION NUMBER OF THIS EXTENSION
20	UNKNOWN (14)	1	ASPASSTN	ASST NUMBER FOR THIS EXTENSION. IF EXTENSION IS AN ASST, THIS NUMBER INDICATES ASSTP ENTRY IN BASE ASPCT CONTAINING ADDRESS OF THIS ASST. IF EXTENSION IS AN LPME THE NUMBER INDICATES THE ASST CONTAIN-ING THE ADDRESS OF THIS LPME EXTENSION.
21	UNKNOWN (15)	1		RESERVED
22	UNKNOWN (16)	2	ASPASSTI	ASST INDEX FOR THIS EXTENSION. THIS FIELD IS NOT USED FOR ASST EXTENSION, FOR LPME EXTENSIONS, THIS NUMBER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				IDENTIFIES THE ENTRY IN THE ASST IDENTIFIED BY ASSTN THAT CONTAINS THE POINTER TO THIS LPME EXT.
24 (18)	UNKNOWN	40		RESERVED
64 (40)	UNKNOWN	1024	ASPSECTA	TABLE OF 256 ASST ENTRIES. EACH ENTRY IS MAPPED BY THE ASPASST STRUCTURE
1088 (440)	UNKNOWN	0		

ASST MAPPING
THIS PORTION OF ILRASPCT MAPS THE ASST ENTRIES

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
64 (40)	UNKNOWN	0	ASPASST	
64 (40)	UNKNOWN	0	ASPASSTE	ADDRESS SPACE SECTOR TABLE ENTRY
0 (0)	UNKNOWN	4	ASPLPME	LOGICAL PAGE MAP ENTRY. THIS DESCRIBES EACH 4 BYTE AREA IN A LPME SECTION
0 (0)	UNKNOWN	1	ASPLPFLG	LPME FLAGS
	1...		ASPLVALD	LSID VALID FLAG 1=PAGE VALID ON AUX STORAGE 0=NO VALID LSID IN LPME
	.1..		ASPLSAVE	SAVED FLAG 1=THIS PAGE HAS SLOT SAVED 0=PAGE NOT SAVED
	..1.		ASPLOPIN	PROCESS IN OPERATION FLAG 1=AN OPERATION FOR PAGE HAS BEEN STARTED AND IS NOT COMPLETE. 0=NO OPERATION IN PROCESS
	...1		ASPLIOER	READ I/O ERROR FLAG 1=PERMANENT READ I/O ERROR HAS OCCURRED

ASPCT   ASPCT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				FOR PAGE 0=NO I/O ERROR FOR PAGE
	.... 1...		ASPLSVRP	RELEASED AFTER SAVE FLAG 1=PAGE HAS BEEN WRITTEN SINCE LAST SAVE, USING A DIFFERENT LSID 0=PAGE HAS NOT BEEN WRITTEN SINCE LAST SAVE
	.... .111			RESERVED
1	(1) UNKNOWN	3	ASPVLSID	VIO LOGICAL SLOT IDENTIFIER
1	(1) UNKNOWN	1	ASPPRTNN	PART NUMBER. INDEX INTO PART, IDENTIFYING THE PAGE DATA SET THIS PAGE RESIDES ON
2	(2) UNKNOWN	2	ASPSLOT	RELATIVE SLOT NUMBER IDENTIFYING SLOT WITHIN PAGE DATA SET

ASVT

Common Name: Address Space Vector Table
Macro ID: IHAASVT
DSECT Name: ASVT
Created by: SYSGEN, IEAVNP09
Subpool and Key: 245 and key 0
Size: Base segment 16 bytes + 4 bytes or address space +
512 reserved bytes
Pointed to by: CVTASVT field of the CVT data area
Serialization: Dispatcher lock
Function: Contains list of possible address space IDs, if
assigned with address of associated ASCB.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	ASVT	
0 (0)	CHARACTER	512		RESERVED FOR FUTURE EXPANSION
512 (200)	FLOATING	8	ASVTBEGN	BEGINNING OF ASVT
512 (200)	CHARACTER	4	ASVTASVT	ACRONYM IN EBCDIC ASVT-
516 (204)	SIGNED	4	ASVTMAXU	MAXIMUM NUMBER OF ADDRESS SPACES
520 (208)	SIGNED	4	ASVTRS00	RESERVED
524 (20C)	A-ADDRESS	4	ASVTFRST	ADDRESS OF FIRST AVAILABLE ASVT ENTRY
	1...		ASVTAVAI	X'80' BIT ONE IF ASID IS AVAILABLE AND ZERO IF ASID IS ASSIGNED
528 (210)	A-ADDRESS	4	ASVTENTY	ENTRY FOR EACH POSSIBLE ASID. IF ADDRESS SPACE ASSIGNED, ENTRY CONTAINS ADDRESS OF ASCB. IF NOT ASSIGNED, ENTRY CONTAINS EITHER ADDRESS OF NEXT AVAILABLE ASID OR ZEROS WITH HIGH-ORDER BIT ON IF LAST ENTRY.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			ASVTAVAL	X'80' BIT ONE IF ASID IS AVAILABLE AND ZERO IF ASID IS ASSIGNED

ASXB

Common Name: Address Space Extension Block
Macro ID: IHAASXB
DSECT Name: ASXB
Created by: SYSGEN, IEAVGCAS
Subpool and Key: 255 and key 0
Size: 232 bytes
Pointed to by: ASCBASXB field of the ASCB data area
Serialization: LOCAL lock
Function: Contains information and pointers needed for
address space control. The ASXB is swappable and the ASCB
is not. The ASXB resides in LSQA.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	ASXB	ADDRESS SPACE EXTENSION BLOCK
0	(0) FLOATING	8	ASXBEGIN	BEGINNING OF ASXB
0	(0) CHARACTER	4	ASXBASXB	ACRONYM IN EBCDIC ASXB-
4	(4) A-ADDRESS	4	ASXBFTCB	POINTER TO FIRST TCB ON TCB QUEUE
8	(8) A-ADDRESS	4	ASXBLTCB	POINTER TO LAST TCB ON TCB QUEUE
12	(C) SIGNED	2	ASXBTCBS	NUMBER TCB'S IN THE MEMORY
14	(E) SIGNED	2	ASXBRS00	RESERVED
16	(10) A-ADDRESS	4	ASXBMPST	ADDRESS OF VTAM MEMORY PROCESS SCHEDULING TABLE
20	(14) A-ADDRESS	4	ASXBLWA	ADDRESS OF LWA
24	(18) A-ADDRESS	4	ASXBRV14	RESERVED
28	(1C) A-ADDRESS	4	ASXBRV15	RESERVED
32	(20) A-ADDRESS	4	ASXBIHSA	POINTER TO INTERRUPT HANDLERS SAVE AREA FOR LOCALLY LOCKED INTERRUPTS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
36 (24) SIGNED		4	ASXBFLSA(18)	SAVE AREA FOR ANY FIRST LEVEL BRANCH ENTRY (MUST BE FIRST USER AFTER LOCAL LOCK IS OBTAINED)
108 (6C) A-ADDRESS		4	ASXBFRWA	POINTER TO FRR WORK AREA
112 (70) A-ADDRESS		4	ASXBSPSA	POINTER TO LOCAL WORK/SAVE AREA VECTOR TABLE
116 (74) A-ADDRESS		4	ASXBRSMD	POINTER TO LOCAL RSM DATA AREA
120 (78) A-ADDRESS		4	ASXBRCTD	POINTER TO LOCAL RCT DATA AREA
124 (7C) A-ADDRESS		4	ASXBDDR	POINTER TO DDR WAIT QUEUE
128 (80) A-ADDRESS		4	ASXBOUSB	POINTER TO SYSTEM RESOURCES MANAGER (SRM) USER SWAPPABLE BLOCK
132 (84) A-ADDRESS		4	ASXBRV26	RESERVED
136 (88) CHARACTER		16	ASXBPRG	SVC PURGE I/O PARAMETER LIST
152 (98) CHARACTER		8	ASXBPSWD	USER'S LOGON PASSWORD. IF BLANK, NOT REQUIRED
160 (A0) A-ADDRESS		4	ASXBSIRB	ADDRESS OF SIRB FOR THIS ADDRESS SPACE
164 (A4) A-ADDRESS		4	ASXBETSK	ADDRESS OF ERROR TASK FOR THIS ADDRESS SPACE
168 (A8) CHARACTER		24	ASXBAEQ	QUEUE ANCHORS FOR EXIT EFFECTOR'S ASYNCHRONOUS EXIT QUEUES
168 (A8) A-ADDRESS		4	ASXBFIQE	POINTER TO FIRST IQE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
172 (AC) A-ADDRESS		4	ASXBLIQE	POINTER TO LAST IQE
176 (B0) A-ADDRESS		4	ASXBFRQE	POINTER TO FIRST RQE
180 (B4) A-ADDRESS		4	ASXBLRQE	POINTER TO LAST RQE
184 (B8) A-ADDRESS		4	ASXBFSRB	ADDRESS OF FIRST SRB
188 (BC) A-ADDRESS		4	ASXBLSRB	ADDRESS OF LAST SRB
192 (C0) CHARACTER		7	ASXBUSER	USER ID FOR WHICH THE JOB OR SESSION IS BEING EXECUTED
199 (C7) CHARACTER		5	ASXBSECR	ACCESS CONTROL INFORMATION
199 (C7) BITSTRING		1	ASXBSFLG	ACCESS CONTROL FLAGS
	1...		ASXBRV27	X'80',,C'X' RESERVED
	.1..		ASXBRV28	X'40',,C'X' RESERVED
	..1.		ASXBRV29	X'20',,C'X' RESERVED
	...1		ASXBRV30	X'10',,C'X' RESERVED
	.... 1...		ASXBRV31	X'08',,C'X' RESERVED
	.... .1..		ASXBRV32	X'04',,C'X' RESERVED
	.... ..1.		ASXBRV33	X'02',,C'X' RESERVED
	1		ASXBRV34	X'01',,C'X' RESERVED
200 (C8) A-ADDRESS		4	ASXBSENV	ADDRESS OF ACCESS CONTROL ENVIRONMENT ELEMENT
204 (CC) A-ADDRESS		4	ASXBRV19	RESERVED
208 (D0) A-ADDRESS		4	ASXBTDCB	RESERVED FOR FUTURE USE
212 (D4) A-ADDRESS		4	ASXBCTDC	RESERVED FOR FUTURE USE
216 (D8) SIGNED		4	ASXBCASW	USED BY REGION CONTROL TASK (RCT)/CANCEL VIA CS INSTRUCTION
216 (D8) BITSTRING		1	ASXBCRB1	CANCEL/RCT BYTE 1

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			ASXBPIP	X'80' SET BY RCT TO INDICATE PURGE (SVC 16) IS IN PROCESS
.1..			ASXBTFD	X'40' SET BY CANCEL TO INDICATE THAT ALL SUBTASKS OF THE RCT HAVE BEEN SET DISPATCHABLE VIA STATUS
..1.			ASXBCR01	X'20',,C'X' RESERVED
...1			ASXBCR02	X'10',,C'X' RESERVED
.... 1...			ASXBCR03	X'08',,C'X' RESERVED
.... .1..			ASXBCR04	X'04',,C'X' RESERVED
.... ..1.			ASXBCR05	X'02',,C'X' RESERVED
....1			ASXBCR06	X'01',,C'X' RESERVED
217 (D9)	BITSTRING	1	ASXBCRB2	CANCEL/RCT BYTE 2
218 (DA)	BITSTRING	1	ASXBCRB3	CANCEL/RCT BYTE 3
219 (DB)	BITSTRING	1	ASXBCRB4	CANCEL/RCT BYTE 4
220 (DC)	A-ADDRESS	4	ASXBPTOE	POST EXIT QUEUE HEADER
224 (E0)	A-ADDRESS	4	ASXBRV24	RESERVED
228 (E4)	A-ADDRESS	4	ASXBRV25	RESERVED
232 (E8)	FLOATING	8	ASXBEND	END OF ASXB

Common Name: IOS Beginning-End Block
Macro ID: IECDBEB
DSECT Name: BEB
Created by: Caller of the CCW translation module, IECVTCCW
Subpool and Key: for EXCP 245 and Key 0
Size: 160 bytes
Pointed to by: TCCWBEB field of the TCCW data area
    BECHAIN field of the BEB data area
Serialization: Local lock
Function: Holds, in one or two segments, a real channel
program. Contains pointer to the beginnings and ends of
each segment and to the beginning and ends of a
corresponding virtual channel program. The real channel
program contains virtual real storage addresses and is
executable; the virtual channel program contains virtual
storage addresses, and is nonexecutable.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	BEB	
0 (0)	A-ADDRESS	4	BECHAIN	POINTER TO NEXT BEB
4 (4)	HEX	1	BEBFLAG	FLAGS CONTAINED IN BEB

BIT SETTINGS IN BEBFLAG

1...	BEBINUS	X'80'. SECOND SET OF POINTERS IN USE
.1..	BEBNOPTC	X'40'. NOP TIC USE USED FOR TIC INSERTION ALL OTHER FLAGS NOT USED UNUSED

5 (5)	A-ADDRESS	3		UNUSED
8 (8)	A-ADDRESS	4	BEBRLST	START OF REAL SGMT CHANNEL PGM
12 (C)	A-ADDRESS	4	BEBRLEN	END OF REAL CHANNEL PGM SEGMENT
16 (10)	A-ADDRESS	4	BEBVRST	START OF VIRTUAL CHANNEL PGM SGMT
20 (14)	A-ADDRESS	4	BEBVREN	END OF VIRTUAL CHANNEL PGM SGMT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
24 (18)	A-ADDRESS	4	BEBRLST2	SECOND REAL START
28 (1C)	A-ADDRESS	4	BEBRLEN2	SECOND REAL END
32 (20)	A-ADDRESS	4	BEBVRST2	SECOND VIRTUAL START
36 (24)	A-ADDRESS	4	BEBVREN2	SECOND VIRTUAL END
40 (28)	FLOATING	8	BEBSCCW	FIRST CCW AREA
	 1111		BEBNE	15 NUMBER OF CCWS IN BEB

BUFC

Common Name: VSAM Buffer Control Block
Macro ID: IDABUFC
DSECT Name: IDABUFC
Created by: VSAM OPEN, control block build routine, IDA0192Z
Subpool and Key: 250 and user's key; 231 or 241 and key 0
Size: 36 bytes = BUFC entry
Pointed to by: AMBBUFC field of the AMB data area (BUFC
                header)
              PLHDBUFC field of the PLH data area (current
                data buffer)
              PLHIBUFC field of the PLH data area (index
                buffer)
Serialization: BUFCAVL is locked by test and set (TS).
Function: The BUFC consists of a buffer header that
describes the buffer pool and a buffer control entry that
describes each buffer requested by the user and each buffer
required for preformat processing. The header describes the
structure of the buffer pool. Each buffer control entry
contains function codes, status indicators, and RBAs to
describe the buffer. The buffer control entry also contains
the address of its associated placeholder (PLH), the data
buffer, the associated channel program (pointed to by the
CPA), and the next BUFC in the chain. Index and data have
separate blocks of BUFCs. At the end of each block are
BUFCs used for preformat processing. They are pointed to by
a field in the header. The BUFC is the interface between
I/O management and buffer management (IDA019R2 and its
procedures). The BUFC is pointed to by the PLH (PHYBUFC
points to the data BUFC; PLHIBUFC points to the index BUFC).
Both the buffer header and the buffer control entry are
created by OPEN and released by CLOSE. The AMB points to
the buffer header. The DIWA points to the insert buffer
control entry, and each placeholder points to a chain of one
or more data buffer control entries and one index buffer
control entry.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) UNKNOWN	20	IDABUFDR	BUFFER HEADER
0	(0) UNKNOWN	1	BUFDRID	BUFFER HEADER ID
1	(1) UNKNOWN	1	BUFDRNO	NUMBER OF BUFFERS
2	(2) UNKNOWN	2	BUFDRLEN	LENGTH OF CNTL BLK
4	(4) UNKNOWN	4	BUFDRPFB	FIRST PREFORMAT BUFC
8	(8) UNKNOWN	1	BUFDRPFN	NO. OF PREFORMAT BUFCS
9	(9) UNKNOWN	1	BUFDRCIX	NO OF COMMON IX BFRS
9	(9) UNKNOWN	1	BUFDRMAX	MAX BFRS PER SEQ PLH
10	(A) UNKNOWN	1	BUFDRTSB	HDR TEST AND SET BYTE
11	(B) UNKNOWN	1	BUFDRFLG	BFR HEADER FLAGS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	1...		BUFDRREL	BFR REL FLG
	.1..		BUFDRAVL	BFR AVAILABLE
	..11 1111			UNUSED
12	(C) UNKNOWN	4	BUFDBUFC	PTR TO 1ST BUFC2X04SVLC
16	(10) UNKNOWN	4		RESERVED
0	(0) UNKNOWN	64	IDABUFC	BUFC ENTRY
0	(0) UNKNOWN	1	BUFCAVL	BUFFER TEST/SET BYTE
0	(0) UNKNOWN	1	BUFCUCNT	USE COUNT
1	(1) UNKNOWN	1	BUFCFLG1	BUFC FLAGS--BYTE ONE
	1...		BUFCUPG	UPGRADE SET BUFC
	.1..		BUFCSEG	SEGMENTED REC IN BFR
	..1.		BUFCINS	BUFC FOR INSERTS ONLY
	...1		BUFCER1	READ ERROR OCCURRED
	.... 1...		BUFCER2	WRITE ERROR OCCURRED
	.... .1..		BUFCVAL	BUFCDDDD IS VALID
	.... ..1.		BUFCEXC	BFR IN EXCL CNTL
	1		BUFCEPT	POST BIT
2	(2) UNKNOWN	1	BUFCIOFL	I/O MGR COMMUN FLAGS
	1...		BUFCMW	MUST WRITE THIS CINV
	.1..		BUFCFMT	FORMAT WRITE BUFC
	..1.		BUFCRRD	READ REQUIRED
	...1		BUFCREAL	BUFCBAD IS A REAL ADDR
	.... 1...		BUFCWC	WRITE CHECK OPTION
	.... .1..		BUFCXEDB	NO EDB FOUND FOR RBA
	.... ..1.		BUFCPFCP	PREFORMAT CP COMPLETE
	1		BUFCFIX	BUFFER FIXED
3	(3) UNKNOWN	1	BUFCFLG2	FLAG BYTE--TWO
	1...		BUFCXDDR	SUPRESS DDR ON ERRORS
	.1..		BUFCNLAS	NON-EXIST PG RD IND
	..1.		BUFCBSYR	BUSY READING
	...1		BUFCBSYW	BUSY WRITING
	 1111			UNUSED
4	(4) UNKNOWN	4	BUFCPLH	POINTER TO PLH
4	(4) UNKNOWN	4	BUFCAMB	PTR TO AMB
8	(8) UNKNOWN	4	BUFCDDDD	INPUT RBA

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
12	(C) UNKNOWN	4	BUFCORBA	OUTPUT RBA
16	(10) UNKNOWN	4	BUFCCPA	CHAN PGM AREA ADDRESS
20	(14) UNKNOWN	4	BUFCBAD	BUFFER ADDRESS
24	(18) UNKNOWN	4	BUFCNXT1	NEXT BUFC IN I/O CHN
28	(1C) UNKNOWN	4	BUFCINV	INVOKERS FLD FOR ASM AND DB/DC
28	(1C) UNKNOWN	2	BUFCWLEN	BUFC DATA LEN FOR VBP
32	(20) UNKNOWN	4	BUFCDSPC	DSPCT PTR FOR VBP.
36	(24) UNKNOWN	1	BUFCIDXL	INDEX LEVEL
37	(25) UNKNOWN	3	BUFCNXT2	NEXT LOGICAL BUFFER
40	(28) UNKNOWN	4	BUFXIRBA	EXCL INPUT RBA
44	(2C) UNKNOWN	4	BUFXORBA	EXCL OUTPUT RBA
48	(30) UNKNOWN	4	BUFCHAIN	NEXT BUFC IN POOL
52	(34) UNKNOWN	4	BUFCMDBT	MODIFICATION MASK
56	(38) UNKNOWN	4	BUFCUCUP	NXT BUFC UP USE CHN
60	(3C) UNKNOWN	4	BUFCUCDN	NXT BUFC DOWN USE CHN
64	(40) UNKNOWN	0	BUFCEND	ROUND LEN TO DWORD

Common Name: TSO EDIT Communications Area
Macro ID: IKJEBECA
DSECT Name: IKJEBECA
Created by: IKJEBEIN (Alias E, EDIT)
Subpool and Key: Subpool 1 and key 8
Size: 3656 bytes
Pointed to by: Registers of the TSO EDIT modules, generally
register 9
Serialization: None
Function: Contains fields used by all TSO EDIT modules,
including work areas, parameter lists, data set attributes,
control information, and save areas.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	IKJEBECA	
0 (0)	A-ADDRESS	4	CAPTTMP	ADDRESS OF TMP PARAMETER LIST
4 (4)	SIGNED	4		RESERVED
8 (8)	A-ADDRESS	4	CAPTAE	ADDRESS OF IKJEBEAE
12 (C)	A-ADDRESS	4	CAPTAT	ADDRESS OF IKJEBEAT
16 (10)	A-ADDRESS	4	CAPTLE	ADDRESS OF IKJEBELE
20 (14)	A-ADDRESS	4	CAPTMS	ADDRESS OF IKJEBEMS
24 (18)	A-ADDRESS	4	CAPTUT	ADDRESS OF IKJEBEUT
28 (1C)	A-ADDRESS	4	CAPTMSGM	ADDRESS OF IN-CORE MESSAGE MODULE
32 (20)	A-ADDRESS	4	CAPTRTRY	ADDRESS OF STAE RETRY ROUTINE
36 (24)	HEX	1	CAPRSPDL	IKJPARS PDL FLAG BYTE
	1...		CAFREEDL	X'80' 1 PDL DOES NOT EXIST 0 PDL REQUIRES FREEMAIN
36 (24)	A-ADDRESS	4	CAPTPRSD	ADDRESS OF IKJPARS PDL
40 (28)	HEX	1	CASCBFFL	SUBCOMMAND BUFFER FLAGS
	1...		CAOPERND	X'80' 1 OPERANDS 0 NO OPERANDS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
40 (28)	A-ADDRESS	4	CAPTIBFR	ADDRESS OF INPUT BUFFER
44 (2C)	A-ADDRESS	4	CAPTSCMD	ADDRESS OF SUBCOMMAND LAST ENTERED
48 (30)	SIGNED	2	CASCMDLN	LENGTH OF SUBCOMMAND NAME
50 (32)	SIGNED	2		RESERVED
52 (34)	A-ADDRESS	4	CAPTCOCB	ADDRESS OF CURRENT UTILITY DCB
56 (38)	A-ADDRESS	4	CAPTPDCB	ADDRESS OF NEW UTILITY DCB
60 (3C)	SIGNED	4	CAUTILNO	NUMBER OF RECORDS IN UTILITY DATA SET
64 (40)	A-ADDRESS	4	CAPTCORE	ADDRESS OF GETMAIN AREA
68 (44)	SIGNED	4	CACORELN	LENGTH OF GETMAIN AREA
72 (48)	A-ADDRESS	4	CAPTCHK	ADDRESS OF SYNTAX CHECKER OR LANGUAGE PROCESSOR
76 (4C)	A-ADDRESS	4	CAPTNBFR	ADDRESS OF SUBCOMMAND BUFFER TO BE USED UPON COMPLETION OF CURRENT SUBCOMMAND
80 (50)	A-ADDRESS	4	CAPTICDS	ADDRESS OF INCORE DATA SET POINTER (SP78)
84 (54)	A-ADDRESS	4	CAPTICLN	ADDRESS OF INCORE DATA SET LENGTH FIELD
88 (58)	SIGNED	4 (6)		RESERVED
112 (70)	A-ADDRESS	4	CAESDSPL	ADDRESS OF EDIT/SAVE DS CLOSE PARAMETER LIST

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
116 (74)	SIGNED	2	CAMAXBLK	MAXIMUM BLKSIZE FOR EDITSAVE DATASET USED FOR LINEDROP
118 (76)	SIGNED	2		RESERVED

THIS SECTION CONSISTS OF THE CONTROL FLAGS
AND A BREAKDOWN OF THE BIT SWITCHES

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
120 (78)	FLOATING	8		DOUBLE WORD ALIGNMENT
120 (78)	SIGNED	4	CAATTN	ATTENTION ECB
.1..			CAATTNIS	X'40' ATTENTION ISSUED 1-YES/0-NO
124 (7C)	SIGNED	4	CACFLAG	CONTROL FLAGS
124 (7C)	HEX	1	CACFLAG1	CONTROL FLAG 1
1...			CALNTOVF	X'80' LINE TO BE VERIFIED, 1-YES/0-NO
.1..			CAVRFYSW	X'40' VERIFY SWITCH, 1-ON/0-OFF
..1.			CAPROMPT	X'20' PROMPT SWITCH, 1-ON/0-OFF
...1			CASCANSW	X'10' SCAN SWITCH, 1-ON/0-OFF
.... 1...			CAINITSC	X'08' SPEC. CALL OF SCAN, 1-YES/0-NO
.... .1..			CAENDSC	X'04' SCAN CALLED BY 'END', 1-YES/0-NO
.... ..1.			CACAPS	X'02' 1-'CAPS' 0-'ASIS' SPECIFIED
....1			CANONUM	X'01' 1-'NONUM' 0-'NUM' SPECIFIED
125 (7D)	HEX	1	CACFLAG2	CONTROL FLAG 2
1...			CADSMODS	X'80' DATA SET MODIFIED, 0-NO/1-YES
.1..			CARECFM	X'40' 0-VARIABLE FORMAT/1-FIXED FORMAT
..1.			CASCANON	X'20' 1-'SCAN' 0-'NOSCAN' SPECIFIED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	...1		CAMODMSG	X'10' 0 MODE MSG NOT TO BE ISSUED 1 ISSUE EDIT MODE MSG
	.... 1...		CASEQCOL	X'08' SEQUENCE FIELD COLUMN NUMBERS ARE NON-STANDARD, 1-YES/0-NO
	.... .1..		CAX37ABN	X'04' X37 ABEND IN PROCESS 1-MA TO CLOSE EDIT/SAVE DS 0-MA NEED NOT CLOSE IT
	.... ..1.		CAX22ABN	X'02' USER CANCELED 0-USER NOT CANCELED 1-USER CANCELED BIT 7 RESERVED
126 (7E) HEX		1	CACFLAG3	CONTROL FLAG 3
	1...		CAIMPT	X'80' 1 PROMPT 0 NO PROMPT
	.1..		CAIMINS	X'40' 1 INSERT PROCESSING 0 NOT INSERT PROCESSING
	..1.		CAIMSC	X'20' 1 INPUT ENTERED FROM CARRIAGE RETURN
	...1		CAIMIR	X'10' 1 I-FORM/0 R-FORM
	.... 1...		CAIMCIN	X'08' 1-INCREMENT SPECIFIED/0-NOT SPECIFIED
	.... .1..		CAIMSFPT	X'04' 1 INPUT WILL PROMPT 0 TCAM WILL PROMPT
	.... ..1.		CAIMINPT	X'02' 1 INPUT HAS WRITTEN LINES 0 NO LINES WRITTEN BIT 7 RESERVED
127 (7F) HEX		1	CACFLAG4	CONTROL FLAG 4
	1...		CAFINDIS	X'80' 1-FIND ISSUED/0-FIND NOT ISSUED
	.1..		CAPTGTBF	X'40' BUFFER TO BE FREED AT EXIT FROM SUBCOMMAND 1-YES/0-NO

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			CATPUTVF	X'20' VERIFY LINE TO BE PRINTED AT TERMINAL 1-YES/0-NO
...1			CAABEND	X'10' 1 ABEND IN PROCESS 0 ABEND NOT IN PROCESS
.... 1...			CASCRC20	X'08' 1 SYNTAX CHECKER RECOVERY IN PROCESS/0 NOT IN PROCESS
.... .1..			CAINPROC	X'04' EDIT BEING EXECUTED FROM AN IN CORE PROCEDURE, 1-YES/0-NO
.... ..1.			CARECURS	X'02' 1 RECURSIVE ABEND 0- NO RECURSIVE ABEND
....1			CADSUSED	X'01' DATASET NAME TO BE USED 0 USE &EDIT 1-USE &EDIT2
128 (80) HEX		1	CACFLAG5	CONTROL FLAG 5
1...			CAEDLNDP	X'80' LINEDROP RECOVERY INDICATOR 1 LINEDROP HAS OCCURRED 0 LINEDROP DID NOT OCCUR BITS 1-7 RESERVED
129 (81) HEX		1	CACFLAG6	CONTROL FLAG 6
1...			CAFREE	X'80' GOFORT STATEMENT FORMAT, 1-FREE FORMAT/0-FIXED FORMAT
.1..			CACHAR48	X'40' PLI 48 CHARACTER SET, 1-YES/0-NO
..1.			CACHAR60	X'20' PLI 60 CHARACTER SET, 1-YES/0-NO BITS 3-7 RESERVED
130 (82) HEX		1	CAPLILFM	PLI LEFT SOURCE MARGIN
131 (83) HEX		1	CAPLIRTM	PLI RIGHT SOURCE MARGIN
132 (84) SIGNED		4 (5)		RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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THIS TABLE DEFINES THE DEFAULTED ATTRIBUTES
ASSOCIATED WITH THE SELECTED DATA SET TYPE.
THE FOLLOWING FIELD MUST BE ALIGNED ON A DOUBLE WORD BOUNDAR

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
152	(98) FLOATING	8	CAPD	TABLE ENTRY FROM IKJEBEPD
152	(98) CHARACTER	8	CADSTYPE	DATA SET TYPE KEYWORD
160	(A0) CHARACTER	8	CADSQUAL	DATA SET NAME QUALIFIER
168	(A8) SIGNED	2	CABLKS	DEFAULT BLOCK SIZE
170	(AA) HEX	1	CALINE	LINE NUMBER OFFSET
171	(AB) HEX	1	CALENGTH	LINE NUMBER LENGTH
172	(AC) HEX	1	CATABS(12)	TABSETTING VALUES
184	(B8) CHARACTER	8	CASYNAME	SYNTAX CHECKER NAME
192	(C0) HEX	1	CADSCODE	DATA SET TYPE CODE
	....		CANOTYPE	X'00' NO DATA SET TYPE ENTERED
	1		CAPLIF	X'01' PLIF DATA SET TYPE
	.... ..1.		CAFORTE	X'02' FORTRAN E COMPILER TYPE
	11		CAFORTG	X'03' FORTRAN G COMPILER TYPE
	.... .1..		CAFORTH	X'04' FORTRAN H COMPILER TYPE
	.... .1.1		CATEXT	X'05' TEXT DATA SET TYPE
	.... .11.		CADATA	X'06' DATA DATA SET TYPE
	.... .111		CACLIST	X'07' CONTROL LIST DATA SET TYPE
	.... 1...		CACNTL	X'08' CONTROL DATA SET TYPE
	...1 .1.1		CAASM	X'15' ASSEMBLER DATA SET TYPE
	...1 .11.		CACOBOL	X'16' COBOL DATA SET TYPE
	...1 .111		CAFORTGI	X'17' FORTRAN GI COMPILER TYPE

CA   CA

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
...1 111.			CAVBASIC	X'1E' VSBASIC DATA SET TYPE
...1 1111			CAGOFORT	X'1F' GOFORT DATA SET TYPE
..1.			CABASIC	X'20' BASIC DATA SET TYPE
..1. ...1			CAIPLI	X'21' IPL/I DATA SET TYPE
..1. ..1.			CAPLI	X'22' PLI DATA SET TYPE
..11 ..1.			CAEDTTYP	X'32' MAXIMUM VALUE FOR DATA SET TYPE THAT CAN BE EDITED
193	(C1) HEX	1	CADSATTR	DATA SET ATTRIBUTES
1...			CARUN	X'80' EXECUTABLE UNDER EDIT 1-YES/0-NO
.1..			CASCAN	X'40' SYNTAX CHECKING ALLOWED 1-YES/0-NO
..1.			CACAPSRQ	X'20' 1-CAPS REQUIRED/0-CAPS NOT REQUIRED
...1			CACAPSDF	X'10' 1-CAPS DEFAULT/0-ASIS DEFAULT
.... 1...			CADSCONT	X'08' CONTINUATION REMAINS IN RECORD 1-YES 0-NO
.... .1..			CALNNUM	X'04' DATA SET MUST BE LINE NUMBERED 1-YES 0-NO
.... ..1.			CALRECLX	X'02' LRECL DEFAULT REQUIRED 1-YES/0-NO BIT 7 RESERVED
194	(C2) HEX	1	CADSATR2	DATA SET ATTRIBUTES
1...			CALINTAB	X'80' LINE NUMBER LENGTH IN TAB VALUE 1-YES/0-NO
.1..			CADSNDEF	X'40' DSTYPE IS DSNAME QUALIFIER DEFAULT 1-YES/0-NO
..1.			CAOBJGEN	X'20' IS AN OBJECT DATASET GENERATED FOR THIS DSTYPE, 1-YES/0-NO

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
...1			CARUNDS	X'10' PROMPTER ACCEPTS INCORE SOURCE 1 YES 0 NO
.... 1...			CAINLIST	X'08' PROMPTER ACCEPTS INLIST SOURCE 1-YES/ 0-NO BITS 5-7 ARE RESERVED
195 (C3) HEX		1	CARECFMD	RECORD FORMAT DEFAULT
1...			CARECFMF	X'80' FIXED FORMAT
.1..			CARECFMV	X'40' VARIABLE FORMAT
11..			CARECFMU	X'C0' UNDEFINED FORMAT BITS 2-7 RESERVED
196 (C4) SIGNED		2	CAFLRLDF	F FORMAT LRECL DEFAULT
198 (C6) SIGNED		2	CAFLRLMX	F FORMAT LRECL MAXIMUM
200 (C8) SIGNED		2	CAVLRLDF	V FORMAT LRECL DEFAULT
202 (CA) SIGNED		2	CAVLRLMX	V FORMAT LRECL MAXIMUM
204 (CC) SIGNED		2	CAULRLDF	U FORMAT LRECL DEFAULT
206 (CE) SIGNED		2	CAULRLMX	U FORMAT LRECL MAXIMUM
208 (D0) SIGNED		2	CACHKOPT	SYNTAX CHECKER OPT. BYTES
210 (D2) CHARACTER		8	CAPRNAME	PROMPTER NAME
218 (DA) CHARACTER		8	CAEXTNAM	USER EXIT NAME
226 (E2) CHARACTER		8	CADATEXT	DATA EXIT NAME (0'S N/A)

FIELDS 'CAPD' THRU 'CAPDEND' INDICATE THE POSITIONAL
RELATIONSHIP OF PROCESSOR INFORMATION RETURNED BY
THE PROCESSOR SEARCH ROUTINE(IKJEBEPS). THE FIELDS
'CAPD' THRU 'CAEXTNAM' MAINTAIN THE SAME RELATIONSHIP
IN THE INITIALIZED COMMUNICATION AREA.
INFORMATION DESCRIBED IN FIELDS 'CADATEXT' THROUGH
'CAPDEND' IS TRANSFERRED TO THE PROCESSOR TABLE
EXTENSION (IKJEBECX DSECT) DURING EDIT INITIALIZATION.
THE ADDRESS OF THIS AREA IS MAINTAINED IN THE
FIELD 'CAPTPDXT'.

226 (E2) HEX		1 (2)		RESERVED
228 (E4) A-ADDRESS		4	CAPTPDXT	ADDR. OF PROCESSOR TABLE EXTENSION (DESCRIBED BY DSECT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				IKJEBECX)

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OTHER DATA SET RELATED INFORMATION

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
232 (E8)	FLOATING	8		DOUBLE WORD ALIGNMENT
232 (E8)	SIGNED	2	CALRECL	DATA LENGTH PLUS CONTROL WORD
234 (EA)	SIGNED	2	CABLK2	FINAL COPY BLOCK SIZE
236 (EC)	HEX	1	CAEDFLAG	CONTROL FLAG FOR EDIT DATA SET
	1...		CAEDITDS	X'80' 1-EDIT DATA SET/0-SAVE DATA SET
	.1..		CAEDFNCP	X'40' FINAL COPY TO BE PERFORMED,1-YES /0-NO
	..1.		CAEDINCP	X'20' INITIAL COPY TO BE PERFORMED 1-YES/0-NO
	...1		CAEDDISP	X'10' 1-DISP=OLD/0-DISP=NEW
	.... 1...		CAEDMEM	X'08' MEMBER EXISTS, 1-YES/0-NO
	.... .1..		CAEDDSOR	X'04' 0-DSORG=PS/1-DSORG=PO
	.... ..1.		CAEDUNCG	X'02' 0-CATLG/1-UNCATLG
	1		CAEDALOC	X'01' DATA SET ALLOCATED 1-YES/0-NO
237 (ED)	HEX	1	CAEDFLG2	CONTROL FLAG 2 EDIT DATA SET
	1...		CAEDPRTC	X'80' DS CONTAINS CONTROL CHARACTERS 1-YES/0-NO
238 (EE)	SIGNED	2	CAEDDSNL	LENGTH OF DSNAME
240 (F0)	CHARACTER	44	CAEDDSN	DSNAME OF EDIT DATA SET
284 (11C)	CHARACTER	8	CAEDMEMB	MEMBER NAME FOR EDIT DATA SET

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
292 (124)	CHARACTER	8	CAEDDDN	DDNAME FOR EDIT DATA SET
300 (12C)	CHARACTER	8	CAEDPSWD	PASSWORD FOR EDIT DATA SET
308 (134)	SIGNED	4	CAEDTSIZ	SIZE OF OLD EDIT DATA SET
312 (138)	SIGNED	4	CADSNPTR	POINTER TO NEXT INSERTION RECORD
316 (13C)	SIGNED	2	CADSNLEN	LENGTH OF THIS INSERTION
318 (13E)	SIGNED	2	CADSNOFF	OFFSET IN MESSAGE TO INSERTION
320 (140)	CHARACTER	56	CADSNREC	EDIT DATA SET NAME INSERTION
376 (178)	HEX	1	CASAFLAG	CONTROL FLAG FOR SAVE DATA SET
1...			CASAVEDS	X'80' 1-EDIT DATA SET/0-SAVE DATA SET
.1..			CASAFNCP	X'40' FINAL COPY TO BE PERFORMED,1-YES /0-NO
..1.			CASAINCP	X'20' INITIAL COPY TO BE PERFORMED 1-YES/0-NO
...1			CASADISP	X'10' 1-DISP=OLD/0-DISP=NEW
.... 1...			CASAMEM	X'08' MEMBER EXISTS, 1-YES/0-NO
.... .1..			CASADSOR	X'04' 0-DSORG=PS/1-DSORG=PO
.... ..1.			CASAUNCG	X'02' 0-CATLG/1-UNCATLG
....1			CASAALOC	X'01' DATA SET ALLOCATED 1-YES/0-NO
377 (179)	HEX	1	CASAFLG2	CONTROL FLAG 2 SAVE DATA SET
1...			CASANCTG	X'80' DISP FOR REQ. IS NEW,CATLG 1 YES/ 0 NO
.1..			CASADQTY	X'40' SPACE REQUESTS TO BE DOUBLED 1 YES/ 0 NO

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
378 (17A) SIGNED	2	CASADSNL	LENGTH OF SAVE DSNAME
380 (17C) CHARACTER	44	CASADSN	DSNAME OF SAVE DATA SET
424 (1A8) CHARACTER	8	CASAMEMB	MEMBER NAME FOR SAVE DATA SET
432 (1B0) CHARACTER	8	CASADDN	DDNAME FOR SAVE DATA SET
440 (1B8) CHARACTER	8	CASAPSWD	PASSWORD FOR SAVE DATA SET
448 (1C0) SIGNED	4	CASTNUM	STARTING LINE NUMBER
452 (1C4) SIGNED	4	CANXTREC	NEXT RECORD KEY FOR INPUT MODE
456 (1C8) SIGNED	4	CACURNUM	CURRENT LINE NUMBER,'*'
460 (1CC) SIGNED	4	CAINCRE	LINE NUMBER INCREMENT
464 (1D0) SIGNED	4	CAIMLLNO	LAST LINE NUMBER USED IN INPUT MODE
468 (1D4) SIGNED	4	CAIMLINC	LAST INCREMENT USED IN INPUT MODE
472 (1D8) SIGNED	4		RESERVED
476 (1DC) SIGNED	4	CAINSAVE	LAST LINE NUMBER IN INPUT MODE WHEN INSERT USED
480 (1E0) SIGNED	4	CARECNO	NO. OF ADDITIONAL RECORDS TO BE ADDED TO UTILITY DS SIZE
484 (1E4) SIGNED	4 (3)		RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

SYNTAX CHECKER INTERFACE AND PARAMETER LIST

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
496 (1F0)	FLOATING	8		FOR ALIGNMENT
496 (1F0)	SIGNED	4	CASYNLST	SYNTAX CHECKER PARAMETER LIST
496 (1F0)	A-ADDRESS	4	CASYNBFR	ADDRESS OF FIRST BUFFER IN CHAIN
500 (1F4)	A-ADDRESS	4	CASYNPWA	ADDRESS OF WORK AREA
504 (1F8)	A-ADDRESS	4	CASYNPTO	ADDRESS OF OPTION WORD
508 (1FC)	SIGNED	4	CASYNWA	SYNTAX CHECKER WORK AREA
508 (1FC)	HEX	1	CASYNECD	SYNTAX CHECKER ENTRY CODE
509 (1FD)	A-ADDRESS	3	CASYNWAP	ADDRESS OF CHECKER WORK AREA
512 (200)	A-ADDRESS	4	CASYNMS1	ADDRESS OF FIRST ERROR MSG
516 (204)	A-ADDRESS	4	CASYNMS2	ADDRESS OF SECOND & CHAINED MSGS
520 (208)	SIGNED	4	CASYNTEM	TEMPORARY STORAGE FOR CHECKER
524 (20C)	SIGNED	4	CASYNOPT	OPTION WORD
524 (20C)	HEX	1	CASYNCD1	OPTION WORD CODE 1
525 (20D)	HEX	1	CASYNCD2	OPTION WORD CODE 2
526 (20E)	HEX	1	CASYNRCL	RECORD LENGTH FOR FIXED/0 FOR VAR.
527 (20F)	HEX	1	CASYNSW	BIT SWITCHES
	.1..		CASYNLN	X'40' LINE NUMBERED, 0-YES/1-NO
	...1		CASYNIS	X'10' DIAGNOSE INCOMPLETE STATEMENTS, 0-YES/ 1-NO
	.... 1...		CASYNRFM	X'08' 0-FIXED/1-VARIABLE FORMAT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... .1..			CASYNSF	X'04' 0-STANDARD/1-FREE FORM
.... ..1.			CASYNML	X'02' 0-LMSG/1-SMSG
....1			CASYNSCN	X'01' 0-SCAN/1-NOSCAN

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PARAMETER LIST FOR TMP SERVICE ROUTINES,
WORK AREAS, BUFFER POOLS, AND SAVE AREAS

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528 (210) FLOATING	8	CATMPLST	TMP SERVICE ROUTINE PARAMETER LIST

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528 (210) A-ADDRESS	4	CAPTUPT	ADDRESS OF UPT

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532 (214) A-ADDRESS	4	CAPTECT	ADDRESS OF ECT

---

536 (218) A-ADDRESS	4	CAPTECB	ADDRESS OF EDIT ATTENTION ECB

---

540 (21C) SIGNED	4	CASRPLST(4)	TMP SR PARAMETER LIST

---

556 (22C) SIGNED	4	CASTAXPL(5)	STAX PARAMETER LIST

---

576 (240) SIGNED	4	CASTAEPL(5)	STAE PARAMETER LIST

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596 (254) SIGNED	4	CAMAWKA	MAIN CONTROLLER WORK AREA

---

596 (254) SIGNED	4 (7)		AREA DEFINED IN IKJEBEMA OR IKJEBEEN

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624 (270) HEX	1	MACFLAGS	CONTROL FLAGS, BYTE 1
1...		MAECTMOD	X'80' ECT MODIFIED TO DELETE 2ND LEVEL MSGS
.1..		MAABBREV	X'40' SUBCOMMAND NAME/ABBREVIATION FLAG
..1.		MAENDPRC	X'20' END PROCESSING COMPLETE BITS 3-7 RESERVED
625 (271) HEX	1	MACFLAG2	CONTROL FLAGS, BYTE 2
1...		MATABLE1	X'80' IBM/USER TABLE INDICATOR BITS 1-7 RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
626 (272)	HEX	1	(2)	RESERVED
628 (274)	SIGNED	4	CAMSWKA(25)	MESSAGE SELECTION WORK AREA
728 (2D8)	SIGNED	4	CASRWKA(50)	SERVICE ROUTINE WORK AREA
928 (3A0)	SIGNED	4	CAMODEMG	INSERTION RECORD FOR COMMAND NAME
928 (3A0)	SIGNED	4	CAMODEIS	NUMBER OF INSERTIONS
932 (3A4)	A-ADDRESS	4	CAMODEPT	ADDRESS OF INSERTION TEXT
936 (3A8)	SIGNED	2	CAMODELN	LENGTH OF INSERTION RECORD
938 (3AA)	SIGNED	2	CAMODEOF	OFFSET IN MESSAGE FOR INSERTION
940 (3AC)	CHARACTER	12	CAMODETX	INSERTION TEXT
952 (3B8)	A-ADDRESS	4	CAATNBUF	ADDRESS OF INPUT BUFFER OBTAINED BY ATTENTION EXIT
956 (3BC)	SIGNED	4	CAATNWKA(27)	ATTENTION EXIT WORKAREA
1064 (428)	SIGNED	4	CALDROP(8)	LINE DROP SUBCOMMAND BUFFER
1096 (448)	SIGNED	4	CAAEDCB(23)	WORK AREA FOR POST ABEND DCB
1188 (4A4)	CHARACTER	1	CAFIBFR(260)	FIND BUFFER
1448 (5A8)	FLOATING	8		FOR DOUBLE WORD ALIGNMENT
1448 (5A8)	SIGNED	4	CASCWKA(168)	SUBCOMMAND WORK AREA
2120 (848)	CHARACTER	1	CABFRPL(528)	BUFFER POOL
2648 (A58)	CHARACTER	1	CATEMPBF(528)	TEMPORARY BUFFER POOL AVAILABLE TO ALL EDIT SUBCOMMANDS AND SR'S
3176 (C68)	SIGNED	4	CASVAREA(180)	CHAINED SAVE AREAS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
3896 (F38) SIGNED		4	CANXTSVA	ADDRESS OF NEXT SAVE AREA TO BE USED
3900 (F3C) SIGNED		4	(5)	RESERVED
3920 (F50) SIGNED		4	CADSNPT2	POINTER TO NEXT INSERTION RECORD
3924 (F54) SIGNED		2	CADSNLN2	LENGTH OF THIS INSERTION, INCLUDING HEADER.
3926 (F56) SIGNED		2	CADSNOF2	OFFSET, IN MESSAGE, TO INSERTION
3928 (F58) CHARACTER		56	CADSNRC2	SAVE DATA SET NAME MSG INSERTION

THE DUMMY SECTION 'IKJEBECX' DESCRIBES THE PROCESSOR TABLE EXTENSION AREA.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0) STRUCTURE		0	IKJEBECX	PROCESSOR TABLE EXTENSION
0 (0) CHARACTER		8	CXDATEXT	DATEXIT ROUTINE NAME (SET TO ZEROS IF N/A FOR TYPE)
3984 (F90) STRUCTURE		0	IKJEBECA	CONTINUE EDIT COMMUNICATION AREA
3984 (F90) FLOATING		8	CAPDEXT	PROCESSOR EXTENSION TABLE.

CROSS REFERENCE

CAPRSFDL	36 (24)	CASYNAME	184 (B8)
CAPTAE	8 (8)	CASYNBFR	496(1F0)
CAPTAT	12 (C)	CASYNCD1	524(20C)
CAPTCDCB	52 (34)	CASYNCD2	525(20D)
CAPTCHK	72 (48)	CASYNECD	508(1FC)
CAPTCORE	64 (40)	CASYNIS	527 X'10'
CAPTECB	536(218)	CASYNLN	527 X'40'
CAPTECT	532(214)	CASYNLST	496(1F0)
CAPTGTBF	127 X'40'	CASYNML	527 X'02'
CAPTIBFR	40 (28)	CASYNMS1	512(200)
CAPTICDS	80 (50)	CASYNMS2	516(204)
CAPTICLN	84 (54)	CASYNOPT	524(20C)
CAPTLE	16 (10)	CASYNPTO	504(1F8)
CAPTMS	20 (14)	CASYNPWA	500(1F4)
CAPTMSGM	28 (1C)	CASYNRCL	526(20E)
CAPTNDFR	76 (4C)	CASYNRFM	527 X'08'
CAPTPDCB	56 (38)	CASYNSCN	527 X'01'
CAPTPDXT	228 (E4)	CASYNSF	527 X'04'
CAPTFRSD	36 (24)	CASYNSW	527(20F)
CAPTRTRY	32 (20)	CASYNTEM	520(208)
CAPTSCMD	44 (2C)	CASYNWA	508(1FC)
CAPTTHP	0 (0)	CASYNWAP	509(1FD)
CAPTUPT	528(210)	CATABS	172 (AC)
CAPTUT	24 (18)	CATEMPBF	2648(A58)
CARECFM	125 X'40'	CATEXT	192 X'05'
CARECFMD	195 (C3)	CATMPLST	528(210)
CARECFMF	195 X'80'	CATPUTVF	127 X'20'
CARECFMU	195 X'C0'	CAULRLDF	204 (CC)
CARECFMV	195 X'40'	CAULRLHX	206 (CE)
CARECNO	480(1E0)	CAUTILNO	60 (3C)
CARECURS	127 X'02'	CAVBASIC	192 X'1E'
CARUN	193 X'80'	CAVLRLDF	200 (C8)
CARUNDS	194 X'10'	CAVLRLHX	202 (CA)
CASAALOC	376 X'01'	CAVRFYSW	124 X'40'
CASADDN	432(1B0)	CAX22ABN	125 X'02'
CASADISP	376 X'10'	CAX37ABN	125 X'04'
CASADQTY	377 X'40'	CXDATEXT	0 (0)
CASADSN	380(17C)	IKJEBECA	3984(F90)
CASADSNL	378(17A)	IKJEBECX	0 (0)
CASADSOR	376 X'04'	MAABEREV	624 X'40'
CASAFLAG	376(178)	MACFLAGS	624(270)
CASAFLG2	377(179)	MACFLAG2	625(271)
CASAFINCP	376 X'40'	MAECTHOD	624 X'80'
CASAINCP	376 X'20'	MAENDFRC	624 X'20'
CASAMEMB	424(1A8)	MATABLE1	625 X'80'
CASANCTG	377 X'80'		
CASAPSMD	440(1B8)		
CASAUNCG	376 X'02'		
CASAVEDS	376 X'80'		
CASCAN	193 X'40'		
CASCANON	125 X'20'		
CASCANSW	124 X'10'		
CASCBFFL	40 (28)		
CASCMDLN	48 (30)		
CASCRC20	127 X'08'		
CASCHKA	1448(5A8)		
CASEQCOL	125 X'08'		
CASRPLST	540(21C)		
CASRHKA	728(2D8)		
CASTAEPL	576(240)		
CASTAXPL	556(22C)		
CASTNUM	448(1C0)		
CASVAREA	3176(C68)		

CAT

Common Name: IOS Channel Availability Table
Macro ID: IECDCAT
DSECT Name: IECDCAT
Created by: IEAVNIPO, IEEVCPU
Subpool and Key: 245 and key 0
Size: 16 entries of 16 bytes each per channel set
Pointed to by: CSTCATP field of CSTE
Serialization: None
Function: Contains basic information on each channel in the system. An entry exists for each channel set.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	UNKNOWN	8	CAT	
0 (0)	UNKNOWN	1	CATENTRY	ENTRY NAME
0 (0)	UNKNOWN	1	CATFLG	CAT FLAG BYTE (NON-IOS)
1...			CATRES1	RESERVED
.1..			CATNOP	CHANNEL NOT OPERATIVE
..1.			CATNGEN	CHANNEL NOT SYSGENNED
...1			CATNCPU	CHANNEL NOT ON THIS CPU
.... 1...			CATNID	CHANNEL ID INVALID
.... .1..			CATFLG5	RESERVED
.... ..1.			CATFLG6	RESERVED
....1			CATFLG7	RESERVED
1 (1)	UNKNOWN	1	CATFLA	IOS FLAG BYTE
1...			CATBSY	CHANNEL BUSY
.1..			CATIORST	CHAN NEEDS I/O RESTART
..1.			CATCCRST	CHAN ERR I/O INTRUPT
...1			CATMCRST	CHAN ERR ON MACH CHK
.... 1111			CATFLARS	RESERVED
2 (2)	UNKNOWN	2	CATSIOCT	CHANNEL SIO COUNT
4 (4)	UNKNOWN	4	CATCHID	CHANNEL ID
8 (8)	UNKNOWN	0	CATEND	END OF CAT

CAXWA

Common Name: Catalog Auxiliary Work Area
Macro ID: IGGCAXWA
DSECT Name: IGGCAXWA
Created by: Job scheduler
Size: 116 bytes
Pointed to by: CBXCAXCN field of the AMCBS data area
              CAXCHN field of the CAXWA data area
Serialization: ENQ/DEQ
Function: The CAXWA is built when an OS/VS2 master or user
catalog is opened or being created. The CAXWA is used to
contain the addresses of control blocks and work areas
needed when a catalog is being opened or created. It also
contains flags that indicate the type of processing being
performed on the catalog and the OS/VS component that
invoked the processing. Each CAXWA points to a catalog's
ACB. All CAXWAs that describe the catalogs available to a
user's program are chained together.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	UNKNOWN	132	IGGCAXWA	ESTABLISH BASE TO THE CAXWA
0 (0)	UNKNOWN	1	CAXID	CAXWA ID = 'CA'X
1 (1)	UNKNOWN	3		RESERVED
4 (4)	UNKNOWN	4	CAXCHN	CAXWA CHAIN PTR
8 (8)	UNKNOWN	1	CAXFLGS	FLAGS
	1...		CAXBLD	BUILD REQUEST
	.1..		CAXOPN	OPEN IN CONTROL
	..1.		CAXCLS	CLOSE IN CONTROL
	...1		CAXEOV	END-OF-VOLUME IN CONTROL
	.... 1...		CAXCMP	I/O SUPPORT COMPLETE
	.... .1..		CAXMCT	1 = MASTER CATALOG, 0 = USER CATALOG
	.... ..1.		CAXCMR	CATALOG MGMT INVOKED
	1		CAXSCR	SCHEDULER INVOKED
9 (9)	UNKNOWN	1	CAXFLG2	FLAGS BYTE 2
	1...		CAXF2DT	CATALOG DELETED
	.1..		CAXF2NDD	NO DDNAME FOUND (IFG0191X)
	..1.		CAXF2NCR	UNABLE TO GET CORE (IFG0191X)
	...1		CAXF2IOE	I/O ERROR (IFG0191X)
	.... 1...		CAXF2CLR	RPL CLEANUP REQUESTED

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
	.... .1..			CAXF2CA	FREE CAXWA IF ERROR
	.... ..1.			CAXF2REC	RECOVERABLE CATALOG
	1			CAXF2VTU	VOLUME T.S. UPDATED
10	(A)	UNKNOWN	1	CAXFLG3	FLAGS
	1...			CAXF3AT	CRA ALT TIOT EXIST
	.1..			CAXF3ANE	CRA NONEXISTENT
	..1.			RESERVED	
	...1			CAXRAC	CATLG IS RAC-DEFINED
	.... 1...			CAXF3B5	B56-11-NO CAT PSWD
	.... .1..			CAXF3B6	01-NO UPD,10-UPD
	11			RESERVED	
11	(B)	UNKNOWN	1	CAXACT	CATALOG ACTIVITY COUNT
12	(C)	UNKNOWN	4	CAXATIOT	ALTERNATE TIOT POINTER
16	(10)	UNKNOWN	4	CAXSCHWA	PTR TO SCHEDULER WORKAREA
20	(14)	UNKNOWN	4	CAXDRWP	POINTER TO DRWA
24	(18)	UNKNOWN	4	CAXACB	ACB POINTER
28	(1C)	UNKNOWN	4	CAXUCB	UCB POINTER
32	(20)	UNKNOWN	12	CAXCCR	CATALOG CONTROL RECORD INFO
32	(20)	UNKNOWN	3	CAXHACI	HI ALLOCATED CI NUMBER
35	(23)	UNKNOWN	3	CAXNFCI	NEXT FREE CI NUMBER
38	(26)	UNKNOWN	3	CAXCDCI	DELETED CI COUNT
41	(29)	UNKNOWN	3	CAXFDCI	FIRST DELETED CI NUMBER
44	(2C)	UNKNOWN	2	CAXASID	AS ID FOR UCRA ACCESS
46	(2E)	UNKNOWN	2	CAXRPLCT	RPL COUNT
48	(30)	UNKNOWN	4	CAXRPL	PTR TO RPL CHAIN
52	(34)	UNKNOWN	44	CAXCNAM	CATALOG NAME
52	(34)	UNKNOWN	6	CAXVOLID	CRA VOLUME SERIAL
58	(3A)	UNKNOWN	4	CAXRACTS	CRA CREATION TIME STAMP

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
62 (3E)	UNKNOWN	4	CAXRATEP	TIOT ENTRY POINTER FOR CRA
66 (42)	UNKNOWN	8	CAXRADDN	CRA DD NAME
74 (4A)	UNKNOWN	22		RESERVED, CRA ONLY
96 (60)	UNKNOWN	4	CAXOPLST	OPEN/CLOSE PARAMETER LIST
96 (60)	UNKNOWN	1	COPTS	OPTIONS
1...			CENLST	END-OF-LIST INDICATOR
.111 1111				UNUSED
97 (61)	UNKNOWN	3	COPACB	POINTER TO ACB
100 (64)	UNKNOWN	4	CAXOPEWA	POINTER TO O/C/EOV WORKAREA
104 (68)	UNKNOWN	4	CAXCCA	POINTER TO CCA
104 (68)	UNKNOWN	4	CAXPLOCK	RPL POST LOCK
108 (6C)	UNKNOWN	4	CAXJDE	POINTER TO JDE
112 (70)	UNKNOWN	4	CAXCRACB	ADDRESS OF CRA ACB
116 (74)	UNKNOWN	4	CAXRACP	ADDR OF RAC PROFILE
120 (78)	UNKNOWN	4	CAXECB	RPL WAIT ECB
120 (78)	UNKNOWN	1	CAXECBHB	RPL WAIT ECB BYTE 1
1...			CAXECBWB	WAIT BIT
.1..			CAXECBPB	POST BIT
..11 1111				RESERVED
121 (79)	UNKNOWN	3		RESERVED
124 (7C)	UNKNOWN	4	CAXASCBP	ADDRESS OF ASCB
128 (80)	UNKNOWN	4	CAXHRPLW	HUNG RPL WORD
128 (80)	UNKNOWN	2	CAXHRPLC	HUNG-UP RPL COUNT
130 (82)	UNKNOWN	2	CAXWNQID	RPL WAIT ENQ ID

CCA

Common Name: VSAM Catalog Communications Area
Micro ID: I6SCCA
DSECT Name: I6SCCA
Created by: I6SGCIC9
Subpool and Key: 252 and Key 0
Size: 1942 bytes
Pointed to by: CAXCCA field of the CAXWA data area. Note: During catalog processing this address is loaded into register 11 and register 0 is used as the base for the CCA.
Serialization: None
Function: The CCA is built each time an OS/VS2 component issues the CATLG macro instruction (SVC 26) to process an OS/VS2 master or user catalog record. The CCA contains information about the catalog being processed, and about the catalog record and its extensions contained in each of the six buffers (RABS) available to process the user's request. The CCA is used to pass information between catalog management procedures.

OFFSET		TYPE	LENGTH	NAME	DESCRIPTION
0	(0)	UNKNOWN	1506	I6SCCA	CCA SET BASE TO CCA
0	(0)	UNKNOWN	2	CCAID	CCA ID = 'CCA.X.'
2	(2)	UNKNOWN	2	CCASZ	SIZE OF CCA
4	(4)	UNKNOWN	4	CCAPROB	PROBLEM DETERMINATION WORD
4	(4)	UNKNOWN	2	CCAMODID	ERROR MODULE ID
6	(6)	UNKNOWN	2	CCAERRCD	ERROR CODES
6	(6)	UNKNOWN	1	CCARESN	SET REASON CODE
6	(6)	UNKNOWN	1	CCACDR	REFER REASON CODE
7	(7)	UNKNOWN	1	CCARETRN	SET RETURN CODE
7	(7)	UNKNOWN	1	CCACD1	REFER RETURN CODE
8	(8)	UNKNOWN	5		RESERVED
13	(D)	UNKNOWN	1	CCACD2	RETURN CODE 2
14	(E)	UNKNOWN	1	CCAFLG1	FLAGS
		1		CCAFLPS	STOP LOOP IF ON CATALOG NAME SEARCH
		.... ..1.		CCAFICNS	CATALOG NAME SEARCH
		.... .1..		CCAFLRD	CCR READ INTO CORE
		.... 1...		CCAFIKEY	GET BY TRUE NAME
		...1		CCAFIKGE	GET NEXT NAME
		..1.		CCAFICR	CHKPT CCR REQ
		.1..		CCAFIUP	GET FOR UPDATE
		1...		CCAFIDK	DELETE, KEEP
15	(F)	UNKNOWN	1	CCAFLGS	CI FLAGS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	1...		CCAF2SYS	SYSTEM CALLER
	.1..		CCAF2NVC	NO VALIDITY CHECK
	..1.		CCAF2CCT	0 = CONCAT CTLG SEARCH, 1 = SINGLE CTLG SEARCH
	...1		CCAF2XEQ	0 = SHARED ENQ, 1 = EXCLUSIVE ENQ
	.... 1...		CCAF2RHS	RECURSIVE CALL TO CATLG
	.... .11.		CCAF2COB	COMB. OF CATLG OPEN/BUILD
	.... .1..		CCAF2CO	CATLG BEING OPENED
	.... ..1.		CCAF2CB	CATLG OPEN DURING BUILD
	1		CCAF2SMO	SEARCH MASTER CATLG ONLY
16 (10)	UNKNOWN	1	CCAFLG3	FLAGS
	1...		CCAEXGR1	EXIT INDICATOR
	.1..		CCAGC4	GROUP CODE 4 IN SCNC
	..1.		CCAGDSP	GENDSP
	...1		CCAEXGR2	EXIT INDICATOR
	.... 1...		CCANF	NOT FOUND CONDITION
	.... .1..		CCAELC2	EXIT INDICATOR
	.... ..1.		CCALFT	FIRST TIME
	1		CCAEGREC	EXIT INDICATOR
17 (11)	UNKNOWN	1	CCAFLG4	FLAGS
	1...		CCAF4DRQ	DEQ REQD
	.1..		CCAF4BYS	BYPASS SECURITY
	..1.		CCAGVNC	NOT COMPLETE
	...1		CCAGVNF	RELREPNO NOT FOUND
	.... 1...		CCAGVNBS	NO BUFFER SPACE
	.... .1..		CCAGVEX	EXIT BIT
	.... ..1.		CCAGVNE	NON-EXISTENT FIELD
	1		CCATCOMP	TEST COMPLETE
18 (12)	UNKNOWN	1	CCAFLG5	FLAGS
	1...		CCAMEX2	EXIT INDICATOR
	.1..		CCAMEX	EXIT BIT
	..1.		CCAMEX1	EXIT BIT
	...1		CCAMODPA	PUT-ADD
	.... 1...		CCATHIT	SUCCESSFUL TEST
	.... .1..		CCATEX	EXIT INDICATOR
	.... ..1.		CCATEX1	EXIT INDICATOR
	1		CCATEX2	EXIT INDICATOR
19 (13)	UNKNOWN	1	CCAFLG6	FLAGS
	1...		CCAMCCDR	DEQ REQ SW
	.1..		CCADELP	DELETED GOP
	..1.		CCAMNOSP	NO SPACE IN MOVE OCCUR
	...1		CCAINIT	INSERT INIT SW FOR VAR FIELD
	.... 1...		CCASUPFD	SUPPRESS FIELD INFO

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... .1..			CCAREUSE	RE-USE RECORD AREAS
.... ..1.			CCAEXT	EXTRACT IN PROCESS
....1			CCAMOD	MODIFY IN PROCESS
20 (14) UNKNOWN		4	CCATCB	PTR TO TCB
20 (14) UNKNOWN		4	CCALBCYL	LABEL CYLINDER DATA PTR
24 (18) UNKNOWN		4	CCARB	PTR TO RB
24 (18) UNKNOWN		4	CCADPL	DADSM PARMETER LIST PTR
28 (1C) UNKNOWN		4	CCACPL	PTR TO CPL
32 (20) UNKNOWN		4	CCAACB	PTR TO CATALOG ACB
36 (24) UNKNOWN		4	CCANPCCB	PTR TO NEXT PCCB IN CHAIN
40 (28) UNKNOWN		4	CCAURAB	PTR TO RAB TO USE
44 (2C) UNKNOWN		44	CCASRCH	SEARCH ARGUMENT
44 (2C) UNKNOWN		3	CCASRID	CI NUMBER
44 (2C) UNKNOWN		3	CCASRCIN	CI NUMBER
47 (2F) UNKNOWN		41		RESERVED
88 (58) UNKNOWN		20	CCARABO	RECORD AREA BLOCK 0
88 (58) UNKNOWN		1	CCAROFLG	CCARABO FLAGS
1...			CCAROUR	RAB IN-USE EXT, MOD
.1..			CCAROU1	RAB IN-USE TESTS
..1.			CCAROU2	RAB IN-USE TESTS
...1			CCAROWR	WRITE IT BEFORE READ
.... 1...			CCAROPA	PUT-ADD WRITE
.... .11.				RESERVED
....1			CCAROUPD	UPDATE BUFFER NOT REUSED
89 (59) UNKNOWN		1	CCARORPL	LAST ASSIGN, RPL INDEX
90 (5A) UNKNOWN		2		RESERVED
92 (5C) UNKNOWN		4	CCAROREC	PTR TO RECORD AREA
96 (60) UNKNOWN		12	CCAROSEG	SEGMENT PTRS
96 (60) UNKNOWN		4	CCACPE20	PTR REPEATING CONTROL INFO

CCA   CCA

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
100 (64)	UNKNOWN	4	CCACPE30	PTR TO FIRST OCCURRENCE
104 (68)	UNKNOWN	4	CCACPE40	PTR TO END OF RECORD
108 (6C)	UNKNOWN	20	CCARAB1	RECORD AREA BLOCK 1
108 (6C)	UNKNOWN	1	CCAR1FLG	FLAGS
1...			CCAR1UR	SAME AS CCAR0UR
.1..			CCAR1U1	SAME AS CCAR0U1
..1.			CCAR1U2	SAME AS CCAR0U2
...1			CCAR1WR	SAME AS CCAR0WR
.... 1...			CCAR1PA	SAME AS CCAR0PA
.... .11.				RESERVED
....1			CCAR1UPD	SAME AS CCAR0UPD
109 (6D)	UNKNOWN	1	CCAR1RPL	SAME AS CCAR0RPL
110 (6E)	UNKNOWN	2		RESERVED
112 (70)	UNKNOWN	4	CCAR1REC	SAME AS CCAR0REC
116 (74)	UNKNOWN	12	CCAR1SEG	SAME AS CCAR0SEG
116 (74)	UNKNOWN	4	CCACPE21	SAME AS CCACPE20
120 (78)	UNKNOWN	4	CCACPE31	SAME AS CCACPE30
124 (7C)	UNKNOWN	4	CCACPE41	SAME AS CCACPE40
128 (80)	UNKNOWN	20	CCARAB2	RECORD AREA BLOCK 2
128 (80)	UNKNOWN	1	CCAR2FLG	FLAGS
1...			CCAR2UR	SAME AS CCAR0UR
.1..			CCAR2U1	SAME AS CCAR0U1
..1.			CCAR2U2	SAME AS CCAR0U2
...1			CCAR2WR	SAME AS CCAR0WR
.... 1...			CCAR2PA	SAME AS CCAR0PA
.... .11.				RESERVED
....1			CCAR2UPD	SAME AS CCAR0UPD
129 (81)	UNKNOWN	1	CCAR2RPL	SAME AS CCAR0RPL
130 (82)	UNKNOWN	2		RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
132 (84)	UNKNOWN	4	CCAR2REC	SAME AS CCAROREC
136 (88)	UNKNOWN	12	CCAR2SEG	SAME AS CCAROSEG
136 (88)	UNKNOWN	4	CCACPE22	SAME AS CCACPE20
140 (8C)	UNKNOWN	4	CCACPE32	SAME AS CCACPE30
144 (90)	UNKNOWN	4	CCACPE42	SAME AS CCACPE40
148 (94)	UNKNOWN	20	CCARAB3	RECORD AREA BLOCK 3
148 (94)	UNKNOWN	1	CCAR3FLG	FLAGS
	1...		CCAR3UR	SAME AS CCAROUR
	.1..		CCAR3U1	SAME AS CCAROU1
	..1.		CCAR3U2	SAME AS CCAROU2
	...1		CCAR3WR	SAME AS CCAROWR
	.... 1...		CCAR3PA	SAME AS CCAPOPA
	.... .11.			RESERVED
	1		CCAR3UPD	SAME AS CCAROUPD
149 (95)	UNKNOWN	1	CCAR3RPL	SAME AS CCARORPL
150 (96)	UNKNOWN	2		RESERVED
152 (98)	UNKNOWN	4	CCAR3REC	SAME AS CCAROREC
156 (9C)	UNKNOWN	12	CCAR3SEG	SAME AS CCAROSEG
156 (9C)	UNKNOWN	4	CCACPE23	SAME AS CCACPE20
160 (A0)	UNKNOWN	4	CCACPE33	SAME AS CCACPE30
164 (A4)	UNKNOWN	4	CCACPE43	SAME AS CCACPE40
168 (A8)	UNKNOWN	20	CCARAB4	RECORD AREA BLOCK 4
168 (A8)	UNKNOWN	1	CCAR4FLG	FLAGS
	1...		CCAR4UR	SAME AS CCAROUR
	.1..		CCAR4U1	SAME AS CCAROU1
	..1.		CCAR4U2	SAME AS CCAROU2
	...1		CCAR4WR	SAME AS CCAROWR

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... 1...		CCAR4PA	SAME AS CCAROPA
	.... .11.			RESERVED
	1		CCAR4UPD	SAME AS CCAROUFD
169 (A9)	UNKNOWN	1	CCAR4RPL	SAME AS CCARORPL
170 (AA)	UNKNOWN	2		RESERVED

| 172 (AC) | UNKNOWN | 4 | CCAR4REC | SAME AS CCAROREC |

| 176 (B0) | UNKNOWN | 12 | CCAR4SEG | SAME AS CCAROSEG |

| 176 (B0) | UNKNOWN | 4 | CCACPE24 | SAME AS CCACPE20 |

| 180 (B4) | UNKNOWN | 4 | CCACPE34 | SAME AS CCACPE30 |

| 184 (B8) | UNKNOWN | 4 | CCACPE44 | SAME AS CCACPE40 |

| 188 (BC) | UNKNOWN | 20 | CCARAB5 | RECORD AREA BLOCK 5 |

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188 (BC)	UNKNOWN	1	CCAR5FLG	FLAGS
	1...		CCAR5UR	SAME AS CCAROUR
	.1..		CCAR5U1	SAME AS CCAROU1
	..1.		CCAR5U2	SAME AS CCAROU2
	...1		CCAR5WR	SAME AS CCAROWR
	.... 1...		CCAR5PA	SAME AS CCAROPA
	.... .11.			RESERVED
	1		CCAR5UPD	SAME AS CCAROUFD
189 (BD)	UNKNOWN	1	CCAR5RPL	SAME AS CCARORPL
190 (BE)	UNKNOWN	2		RESERVED

| 192 (C0) | UNKNOWN | 4 | CCAR5REC | SAME AS CCAROREC |

| 196 (C4) | UNKNOWN | 12 | CCAR5SEG | SAME AS CCAROSEG |

| 196 (C4) | UNKNOWN | 4 | CCACPE25 | SAME AS CCACPE20 |

| 200 (C8) | UNKNOWN | 4 | CCACPE35 | SAME AS CCACPE30 |

| 204 (CC) | UNKNOWN | 4 | CCACPE45 | SAME AS CCACPE40 |

| 208 (D0) | UNKNOWN | 1 | CCARPLK | ASSIGNED RPL CCUNT |
| 209 (D1) | UNKNOWN | 1 | CCARPLF | INDEX TO FOUND RPL |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
210 (D2)	UNKNOWN	1	CCARPLX	WORK BYTE FOR SUBFUNCTION IGGPRPLM
211 (D3)	UNKNOWN	1	CCARPLT	WORK BYTE FOR SUBFUNCTION IGGPRPLM
212 (D4)	UNKNOWN	6	CCATIQRN	TIOT ENQ MINOR NAME
212 (D4)	UNKNOWN	2	CCATASID	ASID
214 (D6)	UNKNOWN	4	CCATGDB	GDB ADDRESS
218 (DA)	UNKNOWN	1	CCASC	SEARCH CODE
219 (DB)	UNKNOWN	1	CCAQLEN	QUALIFIER LENGTH ¦ 0
220 (DC)	UNKNOWN	4	CCARPLI	PTR TO RPL IN USE
224 (E0)	UNKNOWN	44	CCADESA	DADSM EXTENTS SAVEAREA
224 (E0)	UNKNOWN	1	CCANDEXT	COUNT OF EXTENTS
225 (E1)	UNKNOWN	1	CCAIXEXT	EXTENT INDEX VALUE
226 (E2)	UNKNOWN	2	CCASSVOL	DATA SET DIR SEQ. NO.
228 (E4)	UNKNOWN	40	CCAEXTDE	EXTENT DESCRIPTORS
228 (E4)	UNKNOWN	2	CCAEXTSS	DESCRIPTOR SPACE SEQ. NO.
230 (E6)	UNKNOWN	4	CCAEXTAD	EXTENT STARTING CCHH
230 (E6)	UNKNOWN	2	CCAEXTCC	STARTING CYLINDER
232 (E8)	UNKNOWN	2	CCAEXTHH	STARTING TRACK
234 (EA)	UNKNOWN	2	CCAEXTTH	NO. TRACKS IN EXTENT
268 (10C)	UNKNOWN	1	CCAASCIK	COUNT OF CI'S REQD
269 (10D)	UNKNOWN	1	CCACRRP	RPL USED TO READ CCR
270 (10E)	UNKNOWN	1	CCAASCIX	ASSIGNED CI ARRAY INDEX
271 (10F)	UNKNOWN	9	CCAASCI	ASSIGNED CI NUMBERS
280 (118)	UNKNOWN	16	CCAEGDQ	ENQ/DEQ PARAMETER LIST
280 (118)	UNKNOWN	1	CCAEDXFF	END OF PL IND BYTE X'FF'
281 (119)	UNKNOWN	1	CCAEDRLN	LENGTH OF MINOR NAME
282 (11A)	UNKNOWN	1	CCAEDOPT	ENQ-DEQ OPTIONS
1...			CCAEDSHR	1=SHARED, 0=EXCLUSIVE

CCA   CCA

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.111 1111				OTHER OPT. (SET BY MACRO)
283 (11B)	UNKNOWN	1	CCAEDRCD	ENQ/DEQ RETURN CODE
284 (11C)	UNKNOWN	4	CCAEDQNM	MAJOR NAME PTR
288 (120)	UNKNOWN	4	CCAEDRNM	MINOR NAME PTR
292 (124)	UNKNOWN	4	CCAEDUCB	UCB PTR
296 (128)	UNKNOWN	4	CCAMLRET	MAIN LINE RTN SAVE AREA PTR
300 (12C)	UNKNOWN	12	CCAMSSPL	STORAGE MGMT WORKAREA
300 (12C)	UNKNOWN	4	CCAMNLLP	LENGTH OF LIST POINTER
304 (130)	UNKNOWN	4	CCAMNPTR	ADDRESS OF RETURN ADDRESS
308 (134)	UNKNOWN	1		STORAGE MANAGEMENT BYTE
309 (135)	UNKNOWN	1	CCAMNSPL	REQUIRED SUBPOOL
310 (136)	UNKNOWN	2		STORAGE MANAGEMENT AREA
312 (138)	UNKNOWN	4	CCARPRM	RETURN PARMS
316 (13C)	UNKNOWN	8	CCACMS	CMS AREA
316 (13C)	UNKNOWN	4	CCACMSWA	PTR TO CMS WORK AREA
320 (140)	UNKNOWN	4	CCAEXCMS	SECONDARY CMS WORK AREA ADDR
324 (144)	UNKNOWN	0	CCALUME	START OF FIELD MGMT WORK AREA AND INTERFACE VARIABLES FOR LOCATE, UPDATE, MODIFY, AND EXTRACT ROUTINES
324 (144)	UNKNOWN	4	CCACPE5	ADDR OF OCCURRENCE PTR
328 (148)	UNKNOWN	4	CCACPE51	ALTERNATE PTR TO GOP
332 (14C)	UNKNOWN	4	CCACPE52	ALT GOP PTR
336 (150)	UNKNOWN	4	CCACPE53	ALT GOP PTR

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
340 (154)	UNKNOWN	4	CCACPE6	ADDR OF OCCURRENCE
344 (158)	UNKNOWN	4	CCACPE61	ALT PTR TO OCCURRENCE
344 (158)	UNKNOWN	4	CCARABSE	SAVE EXTRACT CALLER URAB
348 (15C)	UNKNOWN	4	CCACPE7	ADDR OF FIELD VALUE
348 (15C)	UNKNOWN	4	CCAIDPT	INSERT DATA ADDR
352 (160)	UNKNOWN	4	CCACPE71	ALT PTR TO FIELD VALUE
356 (164)	UNKNOWN	2	CCAGOPLN	GROUP OCCURRENCE PTR LENGTH
358 (166)	UNKNOWN	2	CCASL	SEQUENCE NUMBER LENGTH
360 (168)	UNKNOWN	4	CCAILNG	INSERT LENGTH
364 (16C)	UNKNOWN	4	CCAFLPT	FIELD LIST POINTER
364 (16C)	UNKNOWN	4	CCATFLPT	FIELD LIST PTR FOR TESTS
368 (170)	UNKNOWN	4	CCARABPT	RAB PTR
372 (174)	UNKNOWN	4	CCADICT	DICTIONARY INFO
376 (178)	UNKNOWN	4	CCAXCPL	EXTRACT CPL PTR
376 (178)	UNKNOWN	4	CCAMCPL	MODIFY CPL PTR
380 (17C)	UNKNOWN	4	CCARABB	BASE RAB PTR
384 (180)	UNKNOWN	4	CCARABF	FIRST RAB PTR
388 (184)	UNKNOWN	4	CCARABL	LAST RAB PTR
392 (188)	UNKNOWN	3	CCACBASE	BASE CI NUMBER
395 (18B)	UNKNOWN	1	CCAGC	GROUP CODE
396 (18C)	UNKNOWN	2	CCALREL	LOGICAL RELREPNO
396 (18C)	UNKNOWN	2	CCALREL1	LOGICAL RELREPNO
398 (18E)	UNKNOWN	2	CCASN	SEQUENCE NO.
398 (18E)	UNKNOWN	2	CCASN1	SEQUENCE NO.
400 (190)	UNKNOWN	2		RESERVED
402 (192)	UNKNOWN	2	CCAIXFPL	FIELD ARRAY INDEX

CCA   CCA

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
404 (194)	UNKNOWN	2	CCAIXREL	INDEX RELREPNO
406 (196)	UNKNOWN	2	CCATNREL	NEXT RELREPNO
408 (198)	UNKNOWN	2	CCATNUM	NO. OF SUCCESSFUL RELREPNOS
410 (19A)	UNKNOWN	32	CCATREL	SUCCESSFUL REL REPNOS
442 (1BA)	UNKNOWN	2	CCATNO	TOTAL NO. SUCCESSFUL RELREPNOS
444 (1BC)	UNKNOWN	4	CCATEST	TEST FIELD PTR
448 (1C0)	UNKNOWN	20	CCARBA	EXTENT HOLDER FIELD
448 (1C0)	UNKNOWN	6	CCACRAVL	CRA VOLSER
448 (1C0)	UNKNOWN	2	CCASS	SPACE DESCRIPTOR SEQUENCE NO.
450 (1C2)	UNKNOWN	4	CCACCHH1	CCHH-LOW
454 (1C6)	UNKNOWN	4	CCACRADT	CRA DEVICE TYPE
454 (1C6)	UNKNOWN	4	CCACCHH2	CCHH-HIGH
458 (1CA)	UNKNOWN	2	CCATT	TT-NO. TRACKS
460 (1CC)	UNKNOWN	4	CCARBA1	RBA-LOW
464 (1D0)	UNKNOWN	4	CCARBA2	RBA-HIGH
468 (1D4)	UNKNOWN	2	CCATLNG	TESTED EXTENT LENGTH
468 (1D4)	UNKNOWN	2	CCATLEN	MODIFIED VAR LENGTH
470 (1D6)	UNKNOWN	2	CCARBAL	RBA EXTENT BALANCE
472 (1D8)	UNKNOWN	2	CCACNIX	COMBINATION NAME INDEX
474 (1DA)	UNKNOWN	2	CCASMFIX	DEFINE CATALOG SMF INDEX
476 (1DC)	UNKNOWN	4	CCAIDPT2	AVAILABLE SPACE IN WORK AREA
480 (1E0)	UNKNOWN	4	CCAIDPT3	INCOMPLETE VAR FIELDS
480 (1E0)	UNKNOWN	4	CCARABSH	SAVE MODIFY CALLER URAB
484 (1E4)	UNKNOWN	2	CCAGVCT	COUNTER
486 (1E6)	UNKNOWN	2	CCANEVV	NON-EXISTENT VARIABLE VALUE LENGTH
488 (1E8)	UNKNOWN	3	CCAGVEXT	EXTENSION RCD POINTER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
491 (1EB) UNKNOWN		1	CCANEFV	NON-EXISTENT FIXED VALUE
492 (1EC) UNKNOWN		1		RESERVED
493 (1ED) UNKNOWN		1	CCAGRGC	GROUP CODE
493 (1ED) UNKNOWN		1	CCARCDID	RECORD ID
494 (1EE) UNKNOWN		2	CCAGRHI	HIGH RELREPNO
494 (1EE) UNKNOWN		2	CCASSEQ	SAVE SEQ. NO.
494 (1EE) UNKNOWN		2	CCAGRHI1	HIGH RELREPNO
496 (1F0) UNKNOWN		2	CCAIXTPL	INDEX TO TEST FPL
498 (1F2) UNKNOWN		2	CCADLEN	MODIFY DELETE LENGTH
500 (1F4) UNKNOWN		2	CCADIFF	SPACE DIFFERENCE
502 (1F6) UNKNOWN		2	CCAREPCT	RELREPNO COUNT
504 (1F8) UNKNOWN		2	CCADISP	DISPLACEMENT INTO VAR FIELD
506 (1FA) UNKNOWN		3	CCASVCI	SAVE CI OF BASE
509 (1FD) UNKNOWN		3	CCASVCI1	SAVE SPACE CI
512 (200) UNKNOWN		4	CCADTA	DICTIONARY PTR
516 (204) UNKNOWN		4	CCACDTA	INDEX COMBO TABLE PTR
520 (208) UNKNOWN		2	CCADTCT	COUNT DICT ENTRIES
522 (20A) UNKNOWN		2	CCACDTCT	COUNT INDEX COMB TABLE
524 (20C) UNKNOWN		4	CCACWAP	CONTROLLER WORK AREA
528 (210) UNKNOWN		4	CCASDWAP	POINTER TO SDWA
532 (214) UNKNOWN		4	CCAILNG3	MODIFY LENGTH
536 (218) UNKNOWN		4	CCAILNG2	MODIFY LENGTH
540 (21C) UNKNOWN		4	CCAALPTR	SPACE MNGMT SUB-FUNCTION WA
544 (220) UNKNOWN		4	CCASMFPT	SMF DATA PTR
548 (224) UNKNOWN		4	CCALCPL	LSPACE CPL PTR INTERNAL CALL
552 (228) UNKNOWN		1	CCAFLG7	FLAGS
1...			CCALSP	LSPACE INTERNAL CALL
.1..			CCASMFEX	SMF EXIT INDICATOR
..1.			CCASMFA	DO SMF IN MODIFY
...1			CCASMFBR	DO GET FOR BASE RECORD

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... 1...			CCAONCE	MOVE ONLY ONE OCCURRENCE
.... .1..			CCAROREQ	READ-ONLY REQUEST
.... ..1.			CCAFEOV	FORCE EOV
....1			CCACRABU	CRA BEING BUILT
553 (229) UNKNOWN		1	CCAFLG8	FLAGS
1...			CCADSRCL	DEFINE SPACE RECURSIVE CALL
.1..			CCAVBUFI	VOL RECORDS BUFFERED
..1.			CCASCRA	SUPPRESS CRA UPDATES
...1			CCASCICK	SUPPRESS CRA CI CHECK
.... 1...			CCALPIND	LOOP CONTROL IN BUFFER SCAN FOR GETS
.... .1..			CCAVRIND	VOLUME RECORD BUFFER CHAIN TO BE CHECKED
.... ..1.			CCALEOD	EOF ON LOW KEYS
....1			CCAAUCAT	VOLUME HAS UCAT
554 (22A) UNKNOWN		1	CCAFLG9	FLAGS
1...			CCARABYC	BYPASS CAT I/O
.1..			CCARAEOV	CRA EOV
..1.			CCARALRD	CRA CCR HAS BEEN READ
...1			CCARACR	CRA CCR CHK PT REQD
.... 1...			CCAUCRA	USE UCRA TRANS TAB
.... .1..			CCARAACT	CRA ACTIVE
.... ..1.			CCARAICI	INHIBIT CAT I/O
....1			CCARESUM	ON = REPLACE SUM,ELSE OFF = INCREMENT SUM
555 (22B) UNKNOWN		1	CCANORBA	NO. OF RBA'S THAT ARE NEEDED IN CB STRT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
556 (22C) UNKNOWN		4	CCASMFRD	SMF RECORD POINTER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
560 (230) UNKNOWN		2	CCASMFCT	COUNT OF SMF RECORDS
562 (232) UNKNOWN		2	CCASMFLG	SMF RECORD FLAGS
562 (232) UNKNOWN		1	CCASMFG1	SMF FLAGS
1...			CCASMFUC	UNCATALOG SMF RCD 67 (ALWAYS SET ON)
1...			CCASMFDF	DEFINE SMF RCD 63
.1..			CCASMFSR	SCRATCH SMF RCD 67. SET ON ONLY IF RECORD ID IS D, I OR A

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.1..			CCASMFAL	ALTER SMF RCD 63
..11 1111				RESERVED
563 (233) UNKNOWN	1	CCASMFG2	SMF FLAGS
564 (234) UNKNOWN	2	CCASMFLN	SMF RECORD LENGTH
566 (236) UNKNOWN	3	CCACHAIN	CHAIN CI NO. START OF VOLUME ENTRY TRANSLATION WORKAREA
569 (239) UNKNOWN	3	CCACI1	SAVE CI AREA
572 (23C) UNKNOWN	3	CCACI2	SAVE CI AREA
575 (23F) UNKNOWN	3	CCACI3	SAVE CI AREA
578 (242) UNKNOWN	2	CCAVARLN	INSERT LENGTH
580 (244) UNKNOWN	4	CCARRAB	RELATIVE BASE RAB ADDR
584 (248) UNKNOWN	4	CCARBASE	RELATIVE BASE RAB ADDR
588 (24C) UNKNOWN	4	CCAVARPT	POINTER TO INSERT INFO
592 (250) UNKNOWN	2	CCADELN	DELETE LENGTH
594 (252) UNKNOWN	20	CCAVAR	INSERT INFO SAVE AREA
614 (266) UNKNOWN	20	CCAVAR1	INSERT INFO SAVE AREA
634 (27A) UNKNOWN	3	CCADEL1	START DELETE CI
637 (27D) UNKNOWN	3	CCADEL2	END DELETE CI
640 (280) UNKNOWN	40	CCAXLATE	TRANSLATION WORK AREA
680 (2A8) UNKNOWN	4	CCAR14S	CLC9 REG 14 SAVE AREA
684 (2AC) UNKNOWN	8	CCABMINP	INPUT PARAMETERS
684 (2AC) UNKNOWN	2	CCABMTRK	STARTING TRACK
686 (2AE) UNKNOWN	2	CCABMLIM	CHECK LIMIT, NN FOR SET
688 (2B0) UNKNOWN	2	CCABMMIN	COND CHECK MINIMUM
690 (2B2) UNKNOWN	1	CCABMFLG	STATE AND FUNCTION CODE
1...			CCABMST	STATE TO SET/COND. CHECK
.1..			CCABMCHK	ON = PERFORM CHECK
..1.			CCABMSET	ON = PERFORM SET
...1			CCABMCCK	ON = PERFORM COND. CHECK
.... 1...			CCABMLST	ON = LAST SET REQ (WRITE)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
691 (2B3)	UNKNOWN	1		RESERVED
692 (2B4)	UNKNOWN	5	CCABMOUT	OUTPUT PARAMETERS
692 (2B4)	UNKNOWN	2	CCABMONN	TRK NUMBER (CK/COND.CK)
694 (2B6)	UNKNOWN	2	CCABMOTR	STARTING TRK(COND.CHK.)
696 (2B8)	UNKNOWN	1	CCABMOFG	OUTPUT FLAGS
1...			CCABMOST	STATE OF BITS (CHECK)
697 (2B9)	UNKNOWN	2		RESRVED
699 (2BB)	UNKNOWN	1	CCABMPAD	PADDING CHARACTER
700 (2BC)	UNKNOWN	4	CCABMGOP	CURRENT BIT MASK GOP
704 (2C0)	UNKNOWN	4	CCABMPTR	CURRENT BIT MASK BYTE
708 (2C4)	UNKNOWN	4	CCABMEND	END OF CURRENT BIT MASK
712 (2C8)	UNKNOWN	2	CCABMBT1	BIT COUNT FIRST BYTE
714 (2CA)	UNKNOWN	2	CCABMBTL	BIT COUNT LAST BYTE
716 (2CC)	UNKNOWN	2	CCABMBYT	NUMBER OF FULL BYTES
718 (2CE)	UNKNOWN	2	CCABMSTR	CURRENT BIT MASK START TRACK
720 (2D0)	UNKNOWN	4	CCABMWK1	WORK FIELD
724 (2D4)	UNKNOWN	4	CCABMWK2	WORK FIELD
728 (2D8)	UNKNOWN	4	CCABMWK3	WORK FIELD
732 (2DC)	UNKNOWN	4	CCABMWK4	WORK FIELD
736 (2E0)	UNKNOWN	4	CCABMRB1	FIRST BIT MAP RAB PTR
740 (2E4)	UNKNOWN	4	CCABMRB2	SECOND RAB POINTER
744 (2E8)	UNKNOWN	40	CCATEMPS	PL/S TEMP AREA
784 (310)	UNKNOWN	256	CCAMNCAT	CONTIGUOUS AREA FOR TRACKING
784 (310)	UNKNOWN	248	CCAMNAT	TRACKING BUFFER
784 (310)	UNKNOWN	1	MNATTOP	TOP ENTRY 1ST BYTE
1...			MNATFULL	BUFFER FULL
.111 1111				RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
785 (311) UNKNOWN	239			BODY OF BUFFER
1024 (400) UNKNOWN	1		MNATFLGS	MOST RECENT ENTRY-1ST BYTE
1...			MNATVAL	VALID ENTRY BIT
.111 111.				RESERVED
....1			MNATSCLS	CLASS 'S' CORE
1025 (401) UNKNOWN	3		MNATARG1	REMAINDER OF 1ST WD
1028 (404) UNKNOWN	4		MNATARG2	MOST RECENT ENTRY-2ND WD
1032 (408) UNKNOWN	1		CCAMNLL	G/F MAIN LEN LIST-EOL BYTE
1033 (409) UNKNOWN	3		CCAMNLEN	G/F MAIN LENGTH
1036 (40C) UNKNOWN	4		CCAMNADR	G/F MAIN ADDRESS
1040 (410) UNKNOWN	16		CCAARFWA	SPILL RTN WORK AREA
1040 (410) UNKNOWN	4		ARFGMLEN	LEN LIST FOR GETMAIN
1040 (410) UNKNOWN	1		ARFGMLP	END-OF-LIST BYTE
1041 (411) UNKNOWN	3		ARFLEN	LENGTH
1044 (414) UNKNOWN	4		ARFGMADR	ADDRESS FOR GETMAIN
1048 (418) UNKNOWN	4		ARFSBSCH	PTR TO 1ST SPILL BLOCK
1052 (41C) UNKNOWN	4		ARFSBECH	PTR TO LAST SPILL BLOCK
1056 (420) UNKNOWN	1		CCARVFG1	RECOVERY FLAGS
1...			RVCCAV	CCA VALID
.1..			RVARFI	TRACKING DATA INCOMPLETE
..1.			RVCMSFG	CMS FUNCTION GATE
...1			RVESBO	ESTAE BACKOUT IN CONTROL
.... 1...			RVESBOR	ESTAE BACKOUT REGISTER
.... .1..			RVRPLMFG	RPL MGNT FUNCTION GATE
.... ..1.			RVWG	RECOVERY WAIT GATE
....1				RESERVED
1057 (421) UNKNOWN	3			RESERVED
1060 (424) UNKNOWN	348		CCAREGS	REGISTER SAVE AREA
1060 (424) UNKNOWN	4			USER SAVE AREA ADDR

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
1064	(428)	UNKNOWN	8	CCAMODNM	LOAD MODULE NAME
1408	(580)	UNKNOWN	4	CCABZSAV	SAVE AREA FOR CLBZ
1408	(580)	UNKNOWN	4	CCADSPWA	DEF SPACE W.A. PTR
1412	(584)	UNKNOWN	4	CCACUMPL	CATLG UPGRADE MGMNT PARM LIST PTR
1416	(588)	UNKNOWN	1	CCATNQCT	TIOT ENQ COUNT
1417	(589)	UNKNOWN	3	CCASBASE	SAVE BASE CI FOR UPGD PROCESS
1420	(58C)	UNKNOWN	4	CCACRACI	CRA REC PTR ARRAY AD
1424	(590)	UNKNOWN	4	CCARAACB	CRA ACB ADDRESS
1428	(594)	UNKNOWN	4	CCARARPL	CRA RPL ADDRESS
1432	(598)	UNKNOWN	4	CCARARBA	CRA RBA
1436	(59C)	UNKNOWN	4	CCARAREC	RECORD POINTER
1440	(5A0)	UNKNOWN	4	CCARALSA	CRA LOCAL SAVE AREA
1440	(5A0)	UNKNOWN	2	CCACRABT	BLOCKS/TRACK FOR CRA RECORD CONSTRUCTION (CLB4)
1442	(5A2)	UNKNOWN	2		RESERVED
1444	(5A4)	UNKNOWN	1	CCAFLG10	FLAG BYTE
	1...			CCAINCPL	INVALID CPL, VAL CK
	.1..			CCAPDMW	PROB DET MSG PUT
	..1.			CCACATAC	CAT ACTIVE, CRA
	...1			CCARAFEV	CRA FORCED EOV CH
	.... 1...			CCARARTC	RECOVERY EXIT, RETURN TO CALLER
	.... .1..			CCAPRANX	PRIME CRA GONE
	11				RESERVED
1445	(5A5)	UNKNOWN	3	CCASUMTT	CRA SUM TT VALUE
1448	(5A8)	UNKNOWN	4	CCADICTS	DATA/INDEX ID TS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1452 (5AC)	UNKNOWN	8	CCARANCA	NORMAL RECORD BUFFER CHAIN START, END ADDRS
1460 (5B4)	UNKNOWN	8	CCARAVCA	VOLUME RECORD BUFFER CHAIN START, END ADDRS
1468 (5BC)	UNKNOWN	8	CCAVTS	VOLUME TIMESTAMP
1476 (5C4)	UNKNOWN	4	CCAREWKA	REUSE WORKAREA ADDR
1480 (5C8)	UNKNOWN	4	CCASMFP	SMF SAVE AREA FOR PROB DETER
1480 (5C8)	UNKNOWN	2	CCASMFMD	MODULE ID
1482 (5CA)	UNKNOWN	1	CCASMFRC	REASON CODE
1483 (5CB)	UNKNOWN	1	CCASMFCD	RETURN CODE
1484 (5CC)	UNKNOWN	4	CCAPROBX	AUXILLARY SAVE AREA FOR CCAPROB
1484 (5CC)	UNKNOWN	2	CCAMODDX	ERROR MODULE ID
1486 (5CE)	UNKNOWN	2	CCAERCDX	ERROR CODES
1486 (5CE)	UNKNOWN	1	CCARESNX	REASON CODE
1487 (5CF)	UNKNOWN	1	CCARETRX	RETURN CODE
1488 (5D0)	UNKNOWN	4	CCADGDGA	DEL FULL GDG NA
1492 (5D4)	UNKNOWN	12	CCAREQDQ	RPL ENQ/DEQ PARAMETER LIST
1492 (5D4)	UNKNOWN	1	CCAREDFF	END OF PL IND BYTE X'FF'
1493 (5D5)	UNKNOWN	1	CCAREDLN	LENGTH OF MINOR NAME
1494 (5D6)	UNKNOWN	1	CCAREDOP	ENQ-DEQ OPTIONS
	1...		CCAREDSH	1=SHARED, 0=EXCLUSIVE
	.111 1111			OTHER OPT. (SET BY MACRO)
1495 (5D7)	UNKNOWN	1	CCAREDRC	ENQ/DEQ RETURN CODE
1496 (5D8)	UNKNOWN	4	CCARMAJN	MAJOR NAME PTR
1500 (5DC)	UNKNOWN	4	CCARMINN	MINOR NAME PTR
1504 (5E0)	UNKNOWN	4		RESERVED
1508 (5E4)	UNKNOWN	0	CCAEND	END CCA MUST END ON FULLWORD BOUNDARY

CCASRID	44 (2C)
CCASS	448(1C0)
CCASSEQ	494(1EE)
CCASSVOL	226 (E2)
CCASUMTT	1445(5A5)
CCASUPFD	19 X'08'
CCASVCI	506(1FA)
CCASVCI1	509(1FD)
CCASZ	2 (2)
CCATASID	212 (D4)
CCATCB	20 (14)
CCATCOMP	17 X'01'
CCATEMPS	744(2E8)
CCATEST	444(1BC)
CCATEX	18 X'04'
CCATEX1	18 X'02'
CCATEX2	18 X'01'
CCATFLPT	364(16C)
CCATHIT	18 X'08'
CCATIQRN	212 (D4)
CCATLEN	468(1D4)
CCATLNG	468(1D4)
CCATNO	442(1BA)
CCATNQCT	1416(588)
CCATNREL	406(196)
CCATNUM	408(198)
CCATQDB	214 (D6)
CCATREL	410(19A)
CCATT	458(1CA)
CCAUCRA	554 X'08'
CCAURAB	40 (28)
CCAVAR	594(252)
CCAVARLN	578(242)
CCAVARPT	588(24C)
CCAVAR1	614(266)
CCAVBUFI	553 X'40'
CCAVRIND	553 X'04'
CCAVTS	1468(5DC)
CCAXCPL	376(178)
CCAXLATE	640(280)
IGGCCA	0 (0)
MNATARG1	1025(401)
MNATARG2	1028(404)
MNATFLGS	1024(400)
MNATFULL	784 X'80'
MNATSCLS	1024 X'01'
MNATTOP	784(310)
MNATVAL	1024 X'80'
RVARFI	1056 X'40'
RVCCAV	1056 X'80'
RVCMSFG	1056 X'20'
RVESBO	1056 X'10'
RVESBOR	1056 X'08'
RVRPLMFG	1056 X'04'
RVWG	1056 X'02'

CCT

Common Name: SRM CPU Management Control Table
Macro ID: IRACCT
DSECT Name: CCT
Created by: Assembled into nucleus module, IRARMCNS
Subpool and Key: NUCLEUS and key 0
Size: 128 bytes
Pointed to by: RMCTCCT field of the RMCT data area
Serialization: SRM lock
Function: Contains processor usage information for use by
SRM processor module, IRARMCPM.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	UNKNOWN	128	CCT	CPU CONTROL TABLE
0 (0)	UNKNOWN	4	CCTCCT	ACRONYM IN EBCDIC CCT-

CPU CONTROL CONSTANTS
TIME INTERVAL CONSTANTS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
4 (4)	UNKNOWN	4	CCCAPMET	MINIMUM USER EXECUTION INTERVAL FOR MEAN TIME TO WAIT COMPUTATION
8 (8)	UNKNOWN	4	CCCAPMIN	MINIMUM APG INVOCATION INTERVAL
12 (C)	UNKNOWN	4	CCCAPMAX	MAXIMUM APG INVOCATION INTERVAL
16 (10)	UNKNOWN	4	CCCAPDEL	DELTA FOR CHANGING APG INTERVAL
20 (14)	UNKNOWN	4	CCCMNUIN	TIME USER MUST REMAIN IN STORAGE BEFORE CPU RECOMMENDATION FOR SWAP OUT IS GIVEN
24 (18)	UNKNOWN	4	CCCMNSIN	MINIMUM INTERVAL FOR COMPUTING SYSTEM CPU UTILIZATION
28 (1C)	UNKNOWN	4	CCCRSVF1	RESERVED

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION

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APG DISPATCHING PRIORITY (DP) COMPUTATION CONSTANTS

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
32	(20)	UNKNOWN	2	CCCAPDIV	DP COMPUTATION DIVISOR
34	(22)	UNKNOWN	2	CCCAPROT	APG ROTATE VALUE

| 36 | (24) | UNKNOWN | 2 | CCCAPBDP | BASE DP FROM WHICH QUOTIENT IS SUBTRACTED |
| 38 | (26) | UNKNOWN | 2 | CCCAPLDP | DP FOR UNDISPATCHED APG USERS |

| 40 | (28) | UNKNOWN | 2 | CCCAPMDP | DP FOR MAX MEAN TIME TO WAIT |
| 42 | (2A) | UNKNOWN | 2 | CCCAPGDP | APG INITIAL DP |

| 44 | (2C) | UNKNOWN | 2 | CCCRO1 | RESERVED |

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APG THRESHOLDS EXPRESSED AS % OF APG USERS CHAPPED AT APG CA

| 46 | (2E) | UNKNOWN | 2 | CCCAPRLT | LOW THRESHOLD LENGTHEN APG INVOCATION INTERVAL |

| 48 | (30) | UNKNOWN | 2 | CCCAPRHT | HIGH THRESHOLD SHORTEN INT |

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CPU LOAD BALANCING RECOMMENDATION VALUE COMPUTATION CONSTANT

| 50 | (32) | UNKNOWN | 2 | CCCUTHIT | HIGH UTILIZATION IMBALANCE THRESHOLD |

| 52 | (34) | UNKNOWN | 2 | CCCUTLOT | LOW UTILIZATION IMBALANCE THRESHOLD |
| 54 | (36) | UNKNOWN | 2 | CCCHISCF | HIGH THRESHOLD SCALING FACTOR |

| 56 | (38) | UNKNOWN | 2 | CCCLOSCF | LOW THRESHOLD SCALING FACTOR |
| 58 | (3A) | UNKNOWN | 2 | CCCMAXRV | MAXIMUM CPL REC VALUE |

| 60 | (3C) | UNKNOWN | 2 | CCCMINRV | MINIMUM CPL REC VALUE |
| 62 | (3E) | UNKNOWN | 2 | CCCSCFAC | REC VALUE SCALING FACTOR |

| 64 | (40) | UNKNOWN | 2 | CCCSIGDP | SIGNIFICANT CPU USER D PRIORITY |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
66 (42)	UNKNOWN	2	CCCSIGUR	SIGNIFICANT MEAN TIME TO WAIT
68 (44)	UNKNOWN	2	CCCR02	RESERVED
70 (46)	UNKNOWN	2	CCCSCFC1	SYSTEM WAIT % AVERAGING FACTOR
72 (48)	UNKNOWN	2	CCCSCFC2	CCCSCFC1+1
74 (4A)	UNKNOWN	2	CCCRSVH1	RESERVED
76 (4C)	UNKNOWN	0	CCCEND	END OF CCT CONSTANTS

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CPU CONTROL VARIABLES

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
76 (4C)	UNKNOWN	4	CCVR03	PESERVED
80 (50)	UNKNOWN	4	CCVRDSHT	RECENT BASE SYSTEM WIAT TIME
84 (54)	UNKNOWN	4	CCVR04	RESERVED
88 (58)	UNKNOWN	4	CCVRBSTD	RECENT BASE TIME OF DAY
92 (5C)	UNKNOWN	4	CCVRVSWF	SYSTEM WAIT FACTOR FOR CPL REC VALUE COMPUTATION
96 (60)	UNKNOWN	4	CCVPGCPF	PAGE CP SERVICE FACTOR FOR CPL RECOMMENDATION VALUE COMPUTATION
100 (64)	UNKNOWN	4	CCVEJST	LOW PRIORITY USER JOB STEP TIME
104 (68)	UNKNOWN	4	CCVIMEBT	TIME OF LAST CPU IMBALANCE
108 (6C)	UNKNOWN	2	CCVR05	RESERVED
110 (6E)	UNKNOWN	2	CCVUTILP	SYSTEM CPU UTILIZATION
112 (70)	UNKNOWN	2	CCVR06	RESERVED
114 (72)	UNKNOWN	2	CCVR07	RESERVED
116 (74)	UNKNOWN	2	CCVLGUTL	LONG TERM CPU UTILIZATION 256
118 (76)	UNKNOWN	2	CCVLGFMC	AVERAGE AVAILABLE FRAME COUNT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
120 (78) UNKNOWN		2	CCVENQCT	NO. OF USERS NON-SWAPPABLE FOR ENQ REASONS
122 (7A) UNKNOWN		2	CCVCPUCT	NUMBER OF ONLINE CPUS

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CPU CONTROL FLAGS

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124 (7C) UNKNOWN		1	CCTFLG1	
1...			CCTALL	LOW PRTY USER NOT DISPATCHED
.1..			CCTCPUOT	CPU OUT OF BALANCE
125 (7D) UNKNOWN		3	CCTFLG2	RESERVED

| 128 (80) UNKNOWN | | 0 | CCVEND | END OF CCT |

CDE

Common Name: Contents Directory Entry
Macro ID: IHACDE
DSECT Name: CDENTRY
Created by: Program manager (IEAVLK01, IEAVID00)
Subpool and Key: 245 or 255 and key 0
Size: 32 bytes
Pointed to by: CVTLPAQ field of the CVT data area
                TCBJBQ field of the TCB data area
                RBCDE1 field of the RB data area
                LLECDPT field of the LLE data area
                CDCHAIN field of the CDE data area
                CDXLMJP field of the CDE data area
                RBCDE field of the FRB data area
                RBCDE field of the SVRB data area
Serialization: LPA CDEs by CMS lock; other CDEs chain by
local lock
Function: The CDE controls the usage of a particular load
module that is loaded into the job pACK AREA, FIXED LINK
pack area, modified link pack area, or activated in the
pageable link pack area.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	CDENTRY	
0 (0)	SIGNED	4	CDCHAIN	ADDRESS OF NEXT CDE IN QUEUE (EITHER JPAQ OR LPAQ)
4 (4)	SIGNED	4	CDRRBP	IF THE MODULE IS REENTERABLE, THIS FIELD CONTAINS THE ADDRESS OF THE LAST RB THAT CONTROLLED THE MODULE. IF THE MODULE IS SERIALLY REUSABLE, THIS FIELD CONTAINS THE ADDRESS OF THE RB AT THE TOP OF THE WAITING (RBPGMQ) QUEUE. IF THE MODULE WAS REQUESTED ONLY THROUGH LOAD MACRO INSTRUCTIONS, CONTAINS ZERO.
8 (8)	CHARACTER	8	CDNAME	8-BYTE NAME

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
16 (10)	SIGNED	4	CDENTPT	MODULE'S RELOCATED ENTRY POINT ADDRESS
20 (14)	SIGNED	4	CDXLMJP	EXTENT LIST ADDRESS OR MAJOR CDE ADDRESS IF THIS CDE IS A MINOR
24 (18)	SIGNED	2	CDUSE	VALUE CONTAINS THE TOTAL MODULE USE COUNT
26 (1A)	SIGNED	2	CDRESV1	RESERVED
28 (1C)	BITSTRING	1	CDATTR	ATTRIBUTE FLAGS
1...			CDNIP	X'80' MODULE LOADED BY NIP OR FIXED/MODIFIED LPA MODULE
.1..			CDNIC	X'40' MODULE IS IN PROCESS OF BEING LOADED
..1.			CDREN	X'20' MODULE IS REENTERABLE
...1			CDSER	X'10' MODULE IS SERIALLY REUSABLE
.... 1...			CDNFN	X'08' MODULE IS NOT REUSABLE (NON-FUNCTIONAL)
.... .1..			CDMIN	X'04' THIS IS A MINOR CDE
.... ..1.			CDJPA	X'02' MODULE IS IN JOB PACK AREA
....1			CDNLR	X'01' MODULE IS NOT LOADABLE-ONLY
29 (1D)	BITSTRING	1	CDATTR2	SECOND ATTRIBUTE FIELD
1...			CDSPZ	X'80' MODULE IS IN SUBPOOL ZERO
.1..			CDREL	X'40' MODULE IS INACTIVE AND MAY BE RELEASED
..1.			CDXLE	X'20' EXTENT LIST HAS BEEN BUILT FOR MODULE. MAIN STORAGE OCCUPIED BY

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				MODULE IS DESCRIBED THEREIN.
...1			CDRLC	X'10' THIS CDE CONTAINS A MINOR ENTRY POINT ADDRESS THAT HAS BEEN RELOCATED BY THE PROGRAM FETCH ROUTINE
.... .1..			CDOLY	X'04' MODULE IS IN OVERLAY FORMAT
.... ..1.			CDSYSLIB	X'02' AUTHORIZED LIBRARY MODULE
....1			CDAUTH	X'01' PROGRAM AUTHORIZATION FLAG
30	(1E) SIGNED	2	CDATTR3	RESERVED

CIB

Common Name: Command Input Buffer
Macro ID: IEZCIB
DSECT Name: No DSECT card put out by macro
Created by: IEEVSTAR, IEE0703D, IEEVMNT1
Subpool and Key: 245 and key 0
Size: Variable length but at least 16 bytes
Pointed to by: COMCIBPT field of the COM data area
Serialization: ENQ on major SYSIEFSD minor Q10
Function: Buffer for START, STOP, MODIFY, and MOUNT command
from console or TSO terminals.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) FLOATING	8		CIBPTR
0	(0) A-ADDRESS	4	CIBNEXT	ADDRESS OF NEXT CIB IN QUEUE (ZERO FOR LAST)
4	(4) CHARACTER	1	CIBVERB	COMMAND VERB CODE
.... .1..			CIBSTART	X'04' COMMAND CODE FOR START
.1.. .1..			CIBMODFY	X'44' COMMAND CODE FOR MODIFY
.1..			CIBSTOP	X'40' COMMAND CODE FOR STOP
.... 11..			CIBMOUNT	X'0C' COMMAND CODE FOR MOUNT
5	(5) SIGNED	1	CIBLEN	LENGTH IN DOUBLEWORDS OF CIB INCLUDING CIBDATA
6	(6) HEX	4		RESERVED FOR CSCB COMPATIBILITY
10	(A) SIGNED	2	CIBASID	ADDRESS SPACE ID (OS/VS2)
10	(A) CHARACTER	2	CIBTJID	TSO TERMINAL JOB IDENTIFIER (OS/VS1)
12	(C) CHARACTER	1	CIBCONID	IDENTIFIER OF CONSOLE ISSUING COMMAND
13	(D) HEX	1		RESERVED
14	(E) SIGNED	2	CIBDATLN	LENGTH IN BYTES OF DATA IN CIBDATA
16	(10) CHARACTER	8	CIBDATA	DATA FROM COMMAND OPERAND

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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(LENGTH OF CIBDATA IS A MULTIPLE OF EIGHT BYTES
DEPENDING ON THE VALUE CONTAINED IN CIBLEN)
   START - FOURTH POSITIONAL PARAMETER (PARMVALUE)
   MODIFY - RESIDUAL OPERAND IMAGE FOLLOWING COMMA
    TERMINATING FIRST POSITIONAL PARAMETER
   STOP -   NONE (CIB GENERATED ONLY TO GIVE CONSOLE ID)

CPA

Common Name: VSAM Channel Program Area
Macro ID: IDACPA
DSECT Name: IDACPA
Created by: VSAM OPEN, channel program area build routine,
IDA0192W
Subpool and Key: 252, 231 or 241 and key 0
Size: 96 bytes
Pointed to by: BUFCCPA field of the BUFC data area
Serialization: 1 CPA per string (IOMB) precludes need to
lock CPA.
Function: The CPA contains addresses to CCW chains that
perform specialized I/O processing. The CPA also contains
information needed to convert the addresses of virtual
storage data areas to real main storage addresses for the
channel. Each BUFC has a CPA associated with it, pointed to
by the BUFCCPA.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	UNKNOWN	96	IDACPA	CPA
0 (0)	UNKNOWN	1	CPAID	CONTROL BLOCK ID
1 (1)	UNKNOWN	1		RESERVED
2 (2)	UNKNOWN	2	CPALEN	CONTROL BLOCK SIZE
4 (4)	UNKNOWN	4	CPAWREAL	PREVIOUS REAL ADDR WRITE CP
8 (8)	UNKNOWN	4	CPAWCPS	PTR TO 1ST WRITE CCW (SEEK)
12 (C)	UNKNOWN	4	CPAWCPE	PTR TO LAST WRITE CCW(NOP/TIC)
16 (10)	UNKNOWN	4	CPAWCKS	PTR TO 1ST WRITE CHECK CCW
20 (14)	UNKNOWN	4	CPAWCKE	PTR TO LAST WRITE CHECK CCW
24 (18)	UNKNOWN	4	CPARREAL	PREVIOUS REAL ADDR READ CP
28 (1C)	UNKNOWN	4	CPARCPS	PTR TO 1ST READ CCW
32 (20)	UNKNOWN	4	CPARCPE	PTR TO LAST READ CCW
36 (24)	UNKNOWN	8	CPAWPHAD	WRITE PHYS ADDR MBBCCHHR
36 (24)	UNKNOWN	1		
37 (25)	UNKNOWN	6	CPAWSEEK	WRITE SEEK ADDR

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
37	(25)	UNKNOWN	2	CPAWBB	
39	(27)	UNKNOWN	5	CPAWCHR	
43	(2B)	UNKNOWN	1	CPAWFHR	
44	(2C)	UNKNOWN	4	CPAWSID	PTR TO WRITE SRCH ID ARG LIST
48	(30)	UNKNOWN	4	CPAFWCNT	PTR TO FORMAT WRITE CNT FIELDS
52	(34)	UNKNOWN	8	CPARPHAD	READ PHYS ADDR MBBCCHHR
52	(34)	UNKNOWN	1		
53	(35)	UNKNOWN	6	CPARSEEK	READ SEEK ADDR
53	(35)	UNKNOWN	2	CPARBB	
55	(37)	UNKNOWN	5	CPARSID	READ SEARCH ID ARGUMENT
59	(3B)	UNKNOWN	1		
60	(3C)	UNKNOWN	4	CPAIDAL	PTR TO REAL PAGE LIST
64	(40)	UNKNOWN	4	CPAVPL	PTR TO VIRT PAGE LIST
68	(44)	UNKNOWN	4	CPAWORK1	WORK AREA
72	(48)	UNKNOWN	4	CPAWORK2	WORK AREA
76	(4C)	UNKNOWN	4	CPABLKSZ	PHYS BLOCK SIZE FROM CONVERT
80	(50)	UNKNOWN	2	CPABCINV	NBR OF BLOCKS PER CINV
82	(52)	UNKNOWN	1	CPASSECT	SET SECTOR ARG
83	(53)	UNKNOWN	1	CPASTAT1	CPA STATUS
		1...		CPAVPLV	SET ON IN VPL VALID
84	(54)	UNKNOWN	2	CPAFLAGS	I/O MANAGER FLAGS
84	(54)	UNKNOWN	1	CPAFLAG1	
		1...		CPAWV	WRITE CHAN PROG SEG VALID
		.1..		CPAWCV	WRITE CHK CHAN PROG SEG VALID
		..1.		CPARV	READ CHAN PROG SEG VALID
		...1		CPAWRPS	WRITE CP SEG FOR RPS DEVICE
		.... 1...		CPARRPS	READ CP SEG FOR RPS DEVICE
		.... .1..		CPACHNED	CHAINING OF CP SEGS COMPLETE
		.... ..1.			RESERVED
85	(55)	UNKNOWN	1	CPAFLAG2	
		1...		CPAWREPL	REPLICATED INDEX ON WRITE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.1..			CPARREPL	REPLICATED INDEX ON READ
..1.			CPAXLRA	LRA INSTRUCTION ERROR
...1			CPAPFENT ·	PAGEFIX APPENDAGE ENTERED
.... 1...			CPATKOFL	TRACK OVERFLOW IN MVM
86	(56) UNKNOWN	1	CPARSECT	SET SECTOR ARG--READ
87	(57) UNKNOWN	1	CPAWSECT	SET SECTOR ARG--WRITE
88	(58) UNKNOWN	4	CPANXT1	MVM STATIC CPA CHAIN
92	(5C) UNKNOWN	4	CPACPCHN	MVM DYN CPA CHAIN FLD

CPAB

Common Name: Cell Pool Anchor Block
Macro ID: IHACPAB
DSECT Name: CPAB
Created by: NIP initialization and IEAVBLDP (build cell pool)
Subpool and Key: Any valid subpool and its associated protection key (user specified)
Size: 32 bytes
Pointed to by: User (first 32 bytes of the GETMAINed area)
PFSTCPAD field of the GDA data area
Serialization: Provided by user.
Function: Used to define a pre-allocated pool of cells for the get and free quick cell services.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	CPAB	
0	(0) SIGNED	4	CPABCPID	CPID FOR THIS POOL (ADDRESS OF THE ORIGINAL CPAB IN AN EXTENSION CPAB)
4	(4) SIGNED	4	CPABCSZE	SIZE OF EACH CELL
8	(8) SIGNED	4	CPABDEQC	COUNT OF NUMBER OF CELLS CURRENTLY ALLOCATED FROM THIS POOL SEGMENT.
12	(C) SIGNED	4	CPABFACP	FIRST AVAILABLE CELL POINTER
16	(10) SIGNED	4	CPABFLGW	FLAG AND COUNT WORD (USED FOR LOCKING A SEGMENT)
16	(10) CHARACTER	1	CPABSPID	SUBPOOL NUMBER OF POOL (ZERO IN EXTENSION CPAB)
17	(11) BITSTRING	1	CPABFLGS	FLAGS
	1...		NIPBLDCP	X'80' ORIGINAL POOL WAS CREATED DURING NIP AND CANNOT BE DELETED
	.1..		BLDDWORD	X'40' CELLS IN THIS POOL MUST BE ALIGNED ON A DOUBLE WORD BOUNDARY.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			ADELCAND	X'20' THIS EXTENT IS A CANDIDATE FOR AUTOMATIC DELETION
...1			CPABEXTN	X'10' FLAGS AN ORIGINAL CPAB (0) OR AN EXTENSION CPAB (1)
.... 1...			DELETELK	X'08' THIS SEGMENT IS IN THE PROCESS OF BEING DELETED
.... .1..			SERIAL	X'04' CALLER HAS GUARANTEED SERIALIZATION
18 (12)	SIGNED	2	CPABUSE#	COUNT OF CONCURRENT OPERATIONS ON THIS SEGMENT
20 (14)	SIGNED	4	CPABSTAD	START ADDRESS OF THIS POOL SEGMENT
24 (18)	SIGNED	4	CPABENAD	END ADDRESS OF THIS POOL SEGMENT
28 (1C)	SIGNED	4	CPABNXTP	PTR TO NEXT CPAGE/0
32 (20)	CHARACTER	1	CPABEND	CPAB END

CPPL

Common Name: TSO Command Processor Parameter List
Macro ID: IKJCPPL
DSECT Name: CPPL
Created by: IKJEFT01
Subpool and Key: Subpool 1 and key 8
Size: 16 bytes
Pointed to by: Register 1
Serialization: None
Function: Parameter list passed to CP, containing pointers
to UPT, PSCB, ECT and the command buffer.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	CPPL	
0	(0) A-ADDRESS	4	CPPLCBUF	PTR TO COMMAND BUFFER
4	(4) A-ADDRESS	4	CFPLUPT	PTR TO UPT
8	(8) A-ADDRESS	4	CPPLPSCB	PTR TO PSCB
12	(C) A-ADDRESS	4	CPPLECT	PTR TO ECT

CQE

Common Name: Console Queue Element
Macro ID: IHACTM
DSECT Name: CQE
Created by: IEAVMWSV
Subpool and Key: 231 and key 0
Size: 24 bytes
Pointed to by: UCMOUTQ field of the UCM data area
Serialization: None
Function: Contains information about messages queued to go to particular consoles. For example: WQB pointer, hardcopy flags.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	CQE	
0 (0)	SIGNED	4	CQEWQE	
0 (0)	CHARACTER	1	CQEFLAG	CONSOLE OUTPUT QUEUE FLAGS
11..			CQEEOB	X'C0' POINTER TO NEXT CQE BLOCK
1...			CQEEOQ	X'80' END OF BLOCK
...1			CQEATTOP	X'10' START AT TOP OF MLWTO CHAIN
.... 1...			CQEHLQHC	X'08' QUEUED FOR HARD COPY
.... .1..			CQEMAJOR	X'04' WQE IS MAJOR FOR MWTO
.... ..1.			CQEAVAIL	X'02' THIS ENTRY NO LONGER NEEDED
....1			CQEENTR	X'01' ENTRY EXISTS
....			CQENULL	X'00' NULL ENTRY
1 (1)	CHARACTER	3	CQEWQEA	WQE POINTER OR PTR TO NEXT BLOCK
20 (14)	CHARACTER	1	CQEEND	
21 (15)	CHARACTER	3	CQEENDA	
1111 ...1			CQESP	241 NON-FETCH PROTECTED CSA

CSCB

Common Name: Command Scheduling Control Block
Macro ID: IEECHAIN
DSECT Name: No DSECT card put out by macro. CHAIN may be used in the USING statement.
Created by: Command scheduler for task-creating commands and for life of address space-creating commands (START, MOUNT, and LOGON)
LOGON processor for life of TSO terminal session
SWA create for life of job between dequeuing and termination
Dequeue for life of job between dequeuing and termination
Subpool and Key: 245 and key 0
Size: 176 bytes
Pointed to by: JSCBCSCB field of the JSCB data area
LCTQDRTY field of the LCT data area
Serialization: ENQ on major SYSIEFSD minor Q10
Function: Contains run time job description data passed to command execution routines from command scheduling routines.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	FLOATING	8		COMMAND SCHEDULING CONTROL BLOCK

BEGINNING OF MAPPING COMMON
TO CONTROL AND INPUT CSCB FORMATS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	A-ADDRESS	4	CHPTR	CHAIN PTR TO NEXT CSCB
4 (4)	CHARACTER	4	CHFLG	FOUR BYTES
4 (4)	CHARACTER	1	CHVCD	COMMAND VERB CODE
5 (5)	SIGNED	1	CHSZE	SIZE OF THIS CSCB IN DOUBLE WORDS
6 (6)	BITSTRING	1	CHSTS	STATUS FLAGS
	1...		CHAP	X'80' ASSIGNMENT PENDING
	.1..		CHSYS	X'40' SYSTEM TASK CSCB (OS/VS1)
	..1.		CHSOUT	X'20' CANCEL ALL SYSOUT
	...1		CHQSPC	X'10' INSUFFICIENT QSPACE CAUSING ABEND 422
	.... 1...		CHAD	X'08' ADD THIS CSCB TO CHAIN
	.... .1..		CHDL	X'04' DELETE THIS CSCB FROM CHAIN

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... ..1.		CHFC	X'02' FREE THIS CSCB'S CORE
	1		CHABTERM	X'01' EXECUTE BRANCH ENTRY TO ABTERM
7	(7) BITSTRING	1	CHACT	FLAGS INDICATING ACTIVITY INVOLVED
	1...		CHSWAP	X'80' SWAPPABLE JOB
	.1..		CHTERM	X'40' TERMINAL JOB
	..1.		CHDISC	X'20' CANCEL IMPLIES DISCONNECT
	...1		CHDSI	X'10' ON MEANS NO DATA SET INTEGRITY (OS/VS1)
	.... 1...		CHCL	X'08' CANCELABLE JOB STEP
	.... .1..		CHCLD	X'04' CANCEL COMMUNICATION SWITCH
	.... ..1.		CHAIFX	X'02' CANCELABLE (OS/VS1)
	1		CHIFY	X'01' SYSTEM ASSIGNED PROCEDURE (OS/VS1)
	1		CHAFORCE	X'01' CANCEL ISSUED FOR THIS CSCB (FORCE COMMAND CAN BE ACCEPTED) (OS/VS2)
8	(8) A-ADDRESS	4	CHPARM	POINTER TO PARAMETER LIST USED FOR COMMUNICATION BETWEEN SVC 34 COMMANDS AND MASTER SCHEDULER TASK (OS/VS1)
	1...		CHPCOI	X'80' SUBSYSTEM COMMAND INDICATOR
8	(8) CHARACTER	8	CHKEY	1. ID OF A STARTED TASK (THIS ID IS THE TASK'S STEPNAME) 2. JOBNAME OF AN EXECUTED JOB.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
16 (10)	CHARACTER	8	CHCLS	1.PROCNAME OF A STARTED TASK (THE PROCNAME IS THE TASK'S JOBNAME.) 2. JOBNAME OF AN EXECUTED JOB (SAME AS CHKEY)
24 (18)	CHARACTER	3	CHUNIT	UNITNAME (SET FOR STARTED TASKS ONLY)
27 (1B)	SIGNED	1	CHCIBCTR	MAXIMAL NUMBER OF QUEUED CIB'S
28 (1C)	CHARACTER	1	CHPKE	PROTECT KEY (OS/VS1)
28 (1C)	CHARACTER	1	CHTRKID	DISPLAY/TRACK IDENTIFIER (OS/VS2)
....1			CHTSID	X'01' TIME SHARING USER IDENTIFIER
.... ..1.			CHJOBID	X'02' JOB IDENTIFIER
.... ..11			CHINITID	X'03' INITIATOR IDENTIFIER
29 (1D)	CHARACTER	1	CHUCMP	UCMI (UNIT CONTROL MODULE INDICATOR) THIS IS THE ID OF THE CONSOLE WHICH ISSUED THE COMMAND, OR FOR OS/VS2, X'80' FOR A VARY COMMAND ISSUED IN THE INPUT STREAM
30 (1E)	SIGNED	2	CHTJID	TERMINAL ID (OS/VS1)
30 (1E)	SIGNED	2	CHASID	ADDRESS SPACE ID (ASID) (OS/VS2)
32 (20)	CHARACTER	8	CHPROCSN	PROCEDURE STEP NAME (OS/VS2)
32 (20)	SIGNED	2	CHQID	QID OF REMOTE USER (OS/VS1)
34 (22)	HEX	1	CHARSV30	RESERVED
35 (23)	BITSTRING	1	CHACTI	FLAG BYTE (OS/VS1)
1...			CHRDWTR	X'80' COMMAND WAS START RDR OR WTR
.1..			CHMODIFY	X'40' CAN BE MODIFIED BY REMOTE USER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			CHARSV05	X'20',,C'X' RESERVED
...1			CHARSV06	X'10',,C'X' RESERVED
.... 1...			CHARSV07	X'08',,C'X' RESERVED
.... .1..			CHARSV08	X'04',,C'X' RESERVED
.... ..1.			CHARSV09	X'02',,C'X' RESERVED
....1			CHARSV10	X'01',,C'X' RESERVED

| 36 | (24) CHARACTER | 4 | CHDER | TTRL OF DER FOR THIS JOB (OS/VS1) |

END OF MAPPING COMMON
TO CONTROL AND INPUT CSCB FORMATS

BEGINNING OF MAPPING UNIQUE
TO CONTROL FORMAT CSCB AFTER
INTERPRETATION OF COMMAND OPERANDS

| 40 | (28) A-ADDRESS | 4 | CHECBP | PTR TO STOP/MODIFY ECB |

| 44 | (2C) A-ADDRESS | 4 | CHCIBP | PTR TO CIB |
| 1... .... | | | CHEND | X'80' HIGH ORDER BIT OF LAST PARAMETER POINTER IS ON |

THE ABOVE ECB AND CIB POINTERS FORM
THE COMMUNICATIONS PARAMETER LIST MAPPED BY IEZCOM

| 48 | (30) SIGNED | 4 | CHRGNSZ | JOB REGION SIZE IF V=R (OS/VS2) |

| 48 | (30) BITSTRING | 1 | CHRPRTY | RESET PRIORITY OF A JOB WHOSE PRIORITY HAS BEEN RESET DURING EXECUTION (OS/VS1) |
| 49 | (31) A-ADDRESS | 3 | CHARSV18 | RESERVED |

| 52 | (34) SIGNED | 4 | CHRGNAD | STARTING ADDRESS OF REGION IF V=R (OS/VS2) |

| 56 | (38) SIGNED | 4 | CHECB | STOP/MODIFY ECB |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
60 (3C)	SIGNED	4	CHCECB	CANCEL ECB
64 (40)	CHARACTER	8	CHSTEP	STEP NAME (OS/VS2)
64 (40)	BITSTRING	1	CHSWT	COMMUNICATIONS SWITCHES (OS/VS1)
	1...		CHARSV20	X'80',,C'X' RESERVED
	.1..		CHJCT	X'40' READER RETURN WITH IN-CORE JCT
	..1.		CHPSD	X'20' WRITER PAUSE DATASET
	...1		CHPSF	X'10' WRITER PAUSE FORMS
	.... 1...		CHAC	X'08' ID SPECIFIED ON S COMMAND
	.... .1..		CHARSV21	X'04',,C'X' RESERVED
	.... ..1.		CHARSV22	X'02',,C'X' RESERVED
	1		CHARSV23	X'01',,C'X' RESERVED
65 (41)	A-ADDRESS	3	CHTCB	TCB POINTER (OS/VS1)
68 (44)	A-ADDRESS	4	CHSPB	TCB PTR FOR ABTERM (OS/VS1)
72 (48)	A-ADDRESS	4	CHSPC	PTR TO SMALL PARTITION LIST (OS/VS1) TRANSIENT RDR TTR (OS/VS1) COMPLETION CODE FOR ABTERM (OS/VS1)
76 (4C)	A-ADDRESS	4	CHJCL	JCLS PTR IN-CORE JCT PTR DA JCT TTR
80 (50)	SIGNED	4	CHQPA(9)	INPUT Q MANAGER PARAMETER AREA
116 (74)	SIGNED	4	CHSQA(9)	SYSOUT Q MANAGER PARAMETER AREA

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

NOTE--THESE 2 QMPAS EXIST IN OS/VS2 CSCB'S ONLY BEFORE INITI
JOB SELECT TIME.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
152 (98)	SIGNED	4		TENTH WORD OF CHSQA (OS/VS1) RESERVED (OS/VS2) MDC022,
156 (9C)	SIGNED	4		ELEVENTH WORD OF CHSQA (OS/VS1) RESERVED (OS/VS2) MDC022,
160 (A0)	SIGNED	4	CHUSCVS	TIOT LENGTH (OS/VS1)
164 (A4)	A-ADDRESS	4	CHJSCBVS	POINTER TO JSCB (OS/VS1)
168 (A8)	A-ADDRESS	4	CHSAVWD1	START CMD. TEMP. S/A 1
172 (AC)	A-ADDRESS	4	CHSAVWD2	START CMD. TEMP. S/A 2

END OF MAPPING UNIQUE
TO CONTROL FORMAT CSCB AFTER
INTERPRETATION OF COMMAND OPERANDS

BEGINNING OF MAPPING UNIQUE
TO INPUT FORMAT CSCB BEFORE
INTERPRETATION OF COMMAND OPERANDS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
40 (28)	CHARACTER	124	CHBUF	COMMAND IMAGE (OPERAND FIELD)
164 (A4)	BITSTRING	1	CHTYPE	FLAGS
	1...		CHDSTAT	X'80' STATUS DISPLAY (SVC 104) CMD
	.1..		CHARSV25	X'40',,C'X' RESERVED
	..1.		CHARSV26	X'20',,C'X' RESERVED
	...1		CHARSV27	X'10',,C'X' RESERVED
	.... 1...		CHARSV28	X'08',,C'X' RESERVED
	.... .1..		CHARSV29	X'04',,C'X' RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... ..1.			CHHIAR	X'02' ON MEANS H1 SPECIFIED ON COMMAND (ICB337)40890
....1			CHDEF	X'01' ON MEANS DEFAULT TO H0 40890
165 (A5)	BITSTRING	1	CHTRSTAT	DISPLAY/TRACK REQUEST STATUS (OS/VS2)
1...			CHJOBS	X'80' JOBS
.1..			CHJOBSL	X'40' JOBS,LIST
..1.			CHINIT	X'20' INIT
...1			CHINITL	X'10' INIT,LIST
.... 1...			CHTS	X'08' TS
.... .1..			CHTSL	X'04' TS,LIST
1.1. 1...			CHACTA	X'A8' ACTIVE
.1.1 .1..			CHACTL	X'54' ACTIVE,LIST
166 (A6)	CHARACTER	1	CHCNIO	DISPLAY-RECEIVING CONSOLE ID
167 (A7)	CHARACTER	1	CHARID	DISPLAY SCREEN-AREA ID
168 (A8)	A-ADDRESS	4	CHPEND	CHAIN PTR FOR PENDING START COMMANDS (OS/VS1)
172 (AC)	SIGNED	2	CHINC	UNIQUE CTR FOR INTERPRETER OR FOR OS/VS2, COMMAND AUTHORITY FOR VARY COMMAND ISSUED FROM THE INPUT STREAM
174 (AE)	BITSTRING	1	CHCSYSO	EXPRESS CANCEL SYSOUT (OS/VS1)
1...			CHALL	X'80' ALL SPECIFIED
.1..			CHINN	X'40' IN SPECIFIED
..1.			CHOUT	X'20' OUT SPECIFIED
...1			CHHOLD	X'10' HOLD Q SPECIFIED
.... 1...			CHQUE	X'08' SPECIFIC QUEUE
.... .1..			CHDUMP	X'04' DUMP SPECIFIED
.... ..1.			CHJB	X'02' END SCAN SWITCH
....1			CHUSERID	X'01' INDICATES 'USER=' SPECIFIED ON CANCEL COMMAND (OS/VS1)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
175	(AF) CHARACTER	1	CHSPA	OS/VS1 SYSTEM TASK CONTROL SWITCHES

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END OF MAPPING UNIQUE
TO INPUT FORMAT CSCB BEFORE
INTERPRETATION OF COMMAND OPERANDS

CROSS REFERENCE

Name	Loc	Offset
CHABTERM	9	X.01,
CHAC	64	X.80,
CHACT	7	(7)
CHACTA	165	X.48,
CHACTL	165	X.54,
CHACTL	35	(23)
CHAD	9	X.80,
CHAFORCE	7	X.01,
CHAFIX	7	X.20,
CHALL	174	X.80,
CHAP	9	X.80,
CHARID	167	(A7)
CHARSV05	35	X.20,
CHARSV06	35	X.10,
CHARSV07	35	X.08,
CHARSV08	35	X.04,
CHARSV09	35	X.02,
CHARSV10	35	X.01,
CHARSV18	49	(31)
CHARSV20	64	X.80,
CHARSV21	64	X.04,
CHARSV22	64	X.02,
CHARSV23	64	X.10,
CHARSV25	164	X.01,
CHARSV26	164	X.20,
CHARSV27	164	X.10,
CHARSV28	164	X.80,
CHARSV29	164	X.04,
CHARS430	36	(22)
CHBUF	40	(28)
CHECB	60	(3C)
CHCIBCTR	27	(1B)
CHCIBP	44	(2C)
CHCL	7	X.80,
CHCLD	7	X.40,
CHCLS	16	(10)
CHCINO	166	(A6)
CHCESVSO	174	(A3)
CHDEF	174	X.01,
CHDER	36	(24)
CHDISC	7	X.20,
CHDL	6	X.04,
CHDSI	7	X.10,
CHDSTAT	164	X.80,
CHDUMP	174	X.04,
CHUSCVS	160	(A0)
CHUSERID	174	X.01,
CHECB	40	(28)
CHCECB	40	(28)
CHCD	4	(4)

Name	Loc	Offset
CHJOBS	165	X.80,
CHJOBID	28	X.05,
CHJCT	64	X.40,
CHJCL	76	(4C)
CHJB	174	X.05,
CHINN	174	X.04,
CHINITL	165	X.10,
CHINITID	28	X.03,
CHINIT	165	X.20,
CHINC	172	(AC)
CHIFY	7	X.01,
CHHOLD	174	X.10,
CHHIAR	164	X.05,
CHFLG	4	(4)
CHFC	6	X.05,
CHEND	44	X.80,
CHECB	40	(28)
CHUNIT	24	(18)
CHUCHP	69	(1D)
CHTYPE	164	(A4)
CHTSL	165	X.04,
CHTSID	28	X.01,
CHTS	165	X.08,
CHTRSTAT	165	(A5)
CHTRKID	28	(1C)
CHTID	30	(1E)
CHTERM	7	X.40,
CHTCB	65	(41)
CHSZE	5	(5)
CHSHS	9	X.40,
CHSHT	64	(40)
CHSHAP	7	X.80,
CHSTS	9	(9)
CHSTEP	64	(40)
CHSPA	116	(74)
CHSPC	72	(48)
CHSPB	66	(44)
CHSPA	175	(AF)
CHSOUT	9	X.02,
CHSAVMDZ	172	(AC)
CHSAVMDI	168	(A8)
CHRPRTY	64	X.04,
CHRGNSZ	64	X.80,
CHRGNAP	49	(31)
CHRDWTR	174	X.02,
CHQUE	174	X.08,
CHQSPC	35	X.04,
CHQPA	80	(50)
CHQID	32	(20)
CHPTR	0	(0)
CHPSF	64	X.10,
CHPSD	64	X.02,
CHPROCSN	28	(1C)
CHPKE	7	X.20,
CHPEND	168	(A8)
CHPCOI	8	X.80,
CHPARM	8	(8)
CHOUT	174	X.02,
CHOOIFY	35	X.40,
CHKEY	8	(8)
CHJSCBVS	164	(A4)
CHJOBSL	165	X.40,

CSD

Common Name: Common System Data Area
Macro ID: IHACSD
DSECT Name: CSD
Created by: IEAVNIP0
Subpool and Key: 245 and key 0
Size: 312 bytes
Pointed to by: CVTCSD field of the CVT data area
             CVTCSDRL field of the CVT data area
Serialization: None
Function: Contains information about the various processors
in the system.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	CSD	
0	(0) CHARACTER	4	CSDCSD	CONTROL BLOCK ACRONYM IN EBCDIC
4	(4) HEX	2	CSDCPUJS	BIT MASK OF CPU'S AVAILABLE FOR JOB SCHEDULING
6	(6) SIGNED	2	CSDCHAD	HIGHEST CHANNEL ADDRESS SYSGEN'ED
8	(8) HEX	2	CSDSAFF	BIT MASK OF CPU'S AVAILABLE TO PROCESS SERVICE REQUESTS (SRB'S)
8	(8) HEX	2	CSDCPUAL	BIT MASK OF CPU'S CURRENTLY ALIVE
10	(A) SIGNED	2	CSDCPUOL	NUMBER OF CPU'S CURRENTLY ALIVE
12	(C) BITSTRING	4	CSDSCWRD	SUPERVISOR CONTROL INFORMATION
12	(C) HEX	1	CSDSCFL1	FIRST BYTE OF CSDSCWRD
	1...		CSDRV042	X'80',,C'X' RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.1..		CSDSYSND	X'40' SYSTEM-WIDE NON-DISPATCHABILITY BIT. INDICATES ALL ADDRESS SPACES (SRB'S AND TASKS) ARE NON-DISPATCHABLE EXCEPT THOSE WITH EXEMPT STATUS (ASCBXMPT)
	..1.		CSDRV001	X'20',,C'X' RESERVED
	...1		CSDRV002	X'10',,C'X' RESERVED
	.... 1...		CSDRV003	X'08',,C'X' RESERVED
	.... .1..		CSDRV004	X'04',,C'X' RESERVED
	.... ..1.		CSDRV005	X'02',,C'X' RESERVED
	1		CSDRV006	X'01',,C'X' RESERVED
13	(D) HEX	1	CSDSCFL2	SECOND BYTE OF CSDSCWRD
	1...		CSDRV007	X'80',,C'X' RESERVED
	.1..		CSDRV008	X'40',,C'X' RESERVED
	..1.		CSDRV009	X'20',,C'X' RESERVED
	...1		CSDRV010	X'10',,C'X' RESERVED
	.... 1...		CSDRV011	X'08',,C'X' RESERVED
	.... .1..		CSDRV012	X'04',,C'X' RESERVED
	.... ..1.		CSDRV013	X'02',,C'X' RESERVED
	1		CSDRV014	X'01',,C'X' RESERVED
14	(E) HEX	1	CSDSCFL3	THIRD BYTE OF CSDSCWRD
	1...		CSDRV015	X'80',,C'X' RESERVED
	.1..		CSDRV016	X'40',,C'X' RESERVED
	..1.		CSDRV017	X'20',,C'X' RESERVED
	...1		CSDRV018	X'10',,C'X' RESERVED
	.... 1...		CSDRV019	X'08',,C'X' RESERVED
	.... .1..		CSDRV020	X'04',,C'X' RESERVED
	.... ..1.		CSDRV021	X'02',,C'X' RESERVED
	1		CSDRV022	X'01',,C'X' RESERVED
15	(F) HEX	1	CSDSCFL4	FOURTH BYTE OF CSDSCWRD

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			CSDRV023	X'80',,C'X' RESERVED
.1..			CSDRV024	X'40',,C'X' RESERVED
..1.			CSDRV025	X'20',,C'X' RESERVED
...1			CSDRV026	X'10',,C'X' RESERVED
.... 1...			CSDRV027	X'08',,C'X' RESERVED
.... .1..			CSDRV028	X'04',,C'X' RESERVED
.... ..1.			CSDRV029	X'02',,C'X' RESERVED
....1			CSDRV030	X'01',,C'X' RESERVED
16 (10) SIGNED		4	CSDRV043	RESERVED MDC012-
20 (14) HEX		2	CSDMF1CP	BIT MASK OF CPU'S VARIED ONLINE OR OFFLINE. MF/1 WILL TEST THESE FLAGS AT REPORTING INTERVALS FOR CPU VARY ACTIVITY AND THEN RESET HALFWORD TO ZERO
22 (16) HEX		1	CSDACR	VALUE OF X'FF' MEANS ACR IS IN PROGRESS WITHIN SYSTEM
23 (17) HEX		1	CSDFLAGS	FLAG BYTE
1...			CSDMP	X'80' INDICATES MULTIPROCESSING SYSTEM INSTRUCTION SET IS AVAILABLE. CSDCPUAL MUST BE EXAMINED TO DETERMINE WHETHER A MULTIPROCESSING SYSTEM IS RUNNING OR JUST HALF A MULTIPROCESSING SYSTEM.
.1..			CSDRV032	X'40',,C'X' RESERVED
..1.			CSDRV033	X'20',,C'X' RESERVED
...1			CSDRV034	X'10',,C'X' RESERVED
.... 1...			CSDRV035	X'08',,C'X' RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... .1..			CSDRV036	X'04',,C'X' RESERVED
.... ..1.			CSDRV037	X'02',,C'X' RESERVED
....1			CSDRV038	X'01',,C'X' RESERVED
24 (18)	HEX	80	CSDMAFF	CPU-AFFINITY FEATURE TABLE (TEN 8-BYTE ENTRIES)
104 (68)	HEX	2	CSDRV044	RESERVED
106 (6A)	SIGNED	2	CSDDDRCT	DDR DEVICE ALLOCATION INTERFACE COUNT FIELD. ACCESSED AND MODIFIED UNDER CMS LOCK. INCREMENTED BY DDR TO INDICATE TO DYNAMIC ALLOCATION THAT DDR EXCHANGED ADDRESSES IN THE IOS LOOKUP TABLE.
108 (6C)	SIGNED	4	CSDGDCC	COUNT OF USABLE CLOCK COMPARATORS CURRENTLY IN THE CONFIGURATION
112 (70)	SIGNED	4	CSDGDINT	COUNT OF USABLE CPU TIMERS CURRENTLY IN THE CONFIGURATION
116 (74)	SIGNED	4	CSDGDTOD	COUNT OF CPU'S WHICH HAVE ACCESS TO A GOOD TOD CLOCK
120 (78)	SIGNED	4	CSDTCNT	COUNT OF TAPE ALLOCATIONS IN PROGRESS
124 (7C)	SIGNED	4	CSDUCNT	COUNT OF UNIT RECORD ALLOCATIONS IN PROGRESS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
128 (80) HEX		32	CSDMASK	TABLE OF BIT MASKS FOR TESTING BITS IN CSDCPUAL
128 (80) HEX		2		CPU 0
130 (82) HEX		2		CPU 1
132 (84) HEX		2		CPU 2
134 (86) HEX		2		CPU 3
136 (88) HEX		2		CPU 4
138 (8A) HEX		2		CPU 5
140 (8C) HEX		2		CPU 6
142 (8E) HEX		2		CPU 7
144 (90) HEX		2		CPU 8
146 (92) HEX		2		CPU 9
148 (94) HEX		2		CPU A
150 (96) HEX		2		CPU B
152 (98) HEX		2		CPU C
154 (9A) HEX		2		CPU D
156 (9C) HEX		2		CPU E
158 (9E) HEX		2		CPU F
160 (A0) HEX		152		RESERVED

CVT

Common Name: Communications Vector Table
Macro ID: CVT
DSECT Name: CVT (DSECT name if DSECT=YES is coded and
PREFIX=YES is not coded)
CVTFIX (DSECT name if DSECT=YES,PREFIX=YES is coded. This
DSECT card precedes the prefix)
CVTMAP (or name user coded in label field of CVT invocation
is put out as label for beginning of basic section
whether or not DSECT=YES is coded)
CVTXTNT1 (DSECT name of OS - OS/VS common extension)
CVTXTNT2 (DSECT name of OS/VS1 - OS/VS2 common extension)
Created by: SYSGEN
Subpool and Key: Nucleus resident and key 0
Size: 1232 bytes
Pointed to by: FLCCVT field of the PSA data area (location
X'10')
FLCCVT2 field of the PSA data area
Serialization: None
Function: The CVT provides the means by which non-resident
routines may refer to information in the nucleus of the
control program; it contains addresses of other control
blocks and tables used by the control program routines.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	CVTFIX	CVTMAP-256 PREFIX
-256 (-100)	SIGNED	4		
-256 (-100)	CHARACTER	248		RESERVED
-8 (-8)	SIGNED	2		RESERVED
-6 (-6)	CHARACTER	2	CVTMDL	CPU MODEL NUMBER IN SIGNLESS PACKED DECIMAL, I.E., A MODEL 145 WOULD BE REPRESENTED AS 0145 HEX
-4 (-4)	CHARACTER	4	CVTRELNO	RELEASE NUMBER (EBCDIC)
-4 (-4)	CHARACTER	2	CVTNUMB	RELEASE NUMBER
-2 (-2)	CHARACTER	2	CVTLEVL	LEVEL NUMBER OF THIS RELEASE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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END OF CVT PREFIX

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	SIGNED	4		
0 (0)	V-ADDRESS	4	CVTTCBP	V(IEATCBP) ADDRESS OF A DOUBLE WORD, THE FIRST CONTAINING THE NEXT-TO-BE-DISPATCHED TCB ADDRESS, THE SECOND CONTAINING THE LAST (CURRENT) TCB ADDRESS. BOTH WORDS ARE IDENTICAL UNLESS THE TASK GOES INTO A WAIT STATE. WHEN IN A WAIT STATE, THE FIRST WORD IS SET TO ZERO UNTIL THE WAITING IS OVER AND THEN BOTH WORDS ARE ONCE AGAIN IDENTICAL. (OS/VS1) ADDRESS OF 4-WORD LIST OF ADDRESSES THE NEXT TCB, THE CURRENT TCB, THE NEXT ASCB AND THE CURRENT ASCB, IN THAT ORDER (OS/VS2)
4 (4)	V-ADDRESS	4	CVTOEF00	V(IEAOEF00) ADDRESS OF ROUTINE TO SCHEDULE ASYNCHRONOUS EXITS
8 (8)	V-ADDRESS	4	CVTLINK	V(IEFLINK) ADDRESS OF DCB FOR SYS1.LINKLIB DATA SET
12 (C)	A-ADDRESS	4		CVTJOB FIELD UNUSED IN MVS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
16 (10)	A-ADDRESS	4	CVTBUF	ADDRESS OF THE BUFFER OF THE RESIDENT CONSOLE INTERRUPT ROUTINE
20 (14)	V-ADDRESS	4	CVTXAPG	V(IECXAPG) ADDRESS OF I/O SUPERVISOR APPENDAGE VECTOR TABLE
24 (18)	V-ADDRESS	4	CVTOVL00	V(IEAOVL00) ADDRESS OF ENTRY POINT OF THE TASK SUPERVISOR'S ADDRESS VALIDITY CHECKING ROUTINE
28 (1C)	V-ADDRESS	4	CVTPCNVT	V(IECPCNVT) ADDRESS OF ENTRY POINT OF THE ROUTINE WHICH CONVERTS A RELATIVE TRACK ADDRESS (TTR) TO AN ABSOLUTE TRACK ADDRESS (MBBCCHHR)
32 (20)	V-ADDRESS	4	CVTPRLTV	V(IECPRLTV) ADDRESS OF ENTRY POINT OF THE ROUTINE WHICH CONVERTS AN ABSOLUTE TRACK ADDRESS (MBBCCHHR) TO A RELATIVE TRACK ADDRESS (TTR)
36 (24)	V-ADDRESS	4	CVTILK1	V(IECILK1) ADDRESS OF THE CHANNEL AND CONTROL UNIT PORTION OF THE UCB LOOKUP TABLE
40 (28)	V-ADDRESS	4	CVTILK2	V(IECILK2) ADDRESS OF THE UCB HALFWORD ADDRESS LIST PORTION OF THE UCB LOOKUP TABLE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
44 (2C)	V-ADDRESS	4	CVTXTLER	V(IECXTLER) ADDRESS OF ERROR RECOVERY PROCEDURE (ERP) LOADER (IECVERPL) ENTRY POINT IECXTLER
48 (30)	A-ADDRESS	4	CVTSYSAD	ADDRESS OF THE SYSTEM RESIDENCE VOLUME ENTRY IN THE UCB LOOKUP TABLE
52 (34)	V-ADDRESS	4	CVTBTERM	V(IEAVTRT1) ADDRESS OF ENTRY POINT OF THE ABTERM ROUTINE
56 (38)	SIGNED	4	CVTDATE	CURRENT DATE IN PACKED DECIMAL
60 (3C)	V-ADDRESS	4	CVTMSLT	V(IEEMSER) ADDRESS OF THE MASTER COMMON AREA IN MASTER SCHEDULER RESIDENT DATA AREA. NOTE USE CVTMSER INSTEAD TO ADDRESS MASTER SCHEDULER RESIDENT DATA AREA
64 (40)	V-ADDRESS	4	CVTZDTAB	V(IECZDTAB) ADDRESS OF I/O DEVICE CHARACTERISTIC TABLE
68 (44)	V-ADDRESS	4	CVTXITP	V(IECXITP) ADDRESS OF ERROR INTERPRETER ROUTINE
72 (48)	A-ADDRESS	4		CVTDAR FIELD UNUSED IN MVS
76 (4C)	A-ADDRESS	4	CVTOFN00	RESERVED (OS/VS2)
80 (50)	BAL STMT	2	CVTEXIT	EXIT TO DISPATCHER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
82 (52)	BAL STMT	2	CVTBRET	RETURN TO CALLER (USED BY DATA MANAGEMENT ROUTINES)
84 (54)	V-ADDRESS	4	CVTSVDCB	V(IEASVDCB) ADDRESS OF THE DCB FOR THE SYS1.SVCLIB DATA SET
88 (58)	V-ADDRESS	4	CVTTPC	V(IEATPC) ADDRESS OF THE TIMER SUPERVISOR WORK AREA
92 (5C)	A-ADDRESS	4		CVTPBLDL FIELD UNUSED IN MVS
96 (60)	A-ADDRESS	4	CVTSJQ	RESERVED (OS/VS2)
100 (64)	V-ADDRESS	4	CVTCUCB	V(IEECUCB) ADDRESS OF THE TABLE THAT CONTAINS THE CURRENT CONSOLE UCB ADDRESSES
104 (68)	V-ADDRESS	4	CVTQTE00	V(IEAQTE00) ADDRESS OF THE TIMER ENQUEUE ROUTINE FOR INTERVAL TIMER
108 (6C)	V-ADDRESS	4	CVTQTD00	V(IEAQTD00) ADDRESS OF THE TIMER DEQUEUE ROUTINE FOR INTERVAL TIMER
112 (70)	V-ADDRESS	4	CVTSTB	V(IECSTB) ADDRESS OF THE I/O DEVICE STATISTICS TABLE
116 (74)	HEX	1	CVTDCB	OPERATING SYSTEM
	1...		CVTRSV08	X'80',,C'X' RESERVED
	.1..		CVT1SSS	X'40' OPTION 1 (PCP) SSS
	..1.		CVT2SPS	X'20' OPTION 2 (MFT) SPS, OS/VS1
	...1		CVT4MSI	X'10' OPTION 4 (MVT) MSI, OS/VS2

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... 1...			CVTRSV09	X'08',,C'X' RESERVED
.... .1..			CVT4MPS	X'04' MODEL 65 MULTIPROCESSING
.... ..1.			CVT6DAT	X'02' DYNAMIC ADDRESS TRANSLATION BY CPU (OS/VS1, OS/VS2)
....1			CVTMVS2	X'01' MULTIPLE MEMORY OPTION OF OS/VS2 IS PRESENT
117 (75)	V-ADDRESS	3	CVTDCBA	VL3(IFBDCB) ADDRESS OF THE DCB FOR THE SYS1.LOGREC (OUTBOARD RECORDER) DATA SET FOR SYSTEM ENVIRONMENT RECORDING (SER)
120 (78)	SIGNED	4	CVTSV76M	SVC 76 MESSAGE COUNT FIELD (OS/VS2)
124 (7C)	V-ADDRESS	4	CVTIXAVL	V(IECIXAVL) ADDRESS OF THE I/O SUPERVISOR'S FREELIST POINTER WHICH CONTAINS THE ADDRESS OF THE NEXT REQUEST ELEMENT (OS/VS1) ADDRESS OF THE I/O SUPERVISOR'S COMMUNICATION AREA (IOCOM) (OS/VS2)
128 (80)	A-ADDRESS	4	CVTNUCB	LOWEST ADDRESS NOT IN THE NUCLEUS (ON PAGE BOUNDARY FOR OS/VS1) (ON SEGMENT BOUNDARY FOR OS/VS2)
132 (84)	A-ADDRESS	4	CVTFBOSV	ADDRESS OF PROGRAM FETCH ROUTINE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
136 (88)	V-ADDRESS	4	CVTODS	V(IEAODS) ADDRESS OF ENTRY POINT OF THE DISPATCHER
140 (8C)	V-ADDRESS	4	CVTILCH	V(IECILCH) ADDRESS OF THE LOGICAL CHANNEL WORD TABLE
144 (90)	A-ADDRESS	4	CVTRV516	CVTIERLC FIELD UNUSED IN MVS
148 (94)	V-ADDRESS	4	CVTMSER	V(IEEMSER) ADDRESS OF DATA AREA OF MASTER SCHEDULER RESIDENT DATA AREA
152 (98)	V-ADDRESS	4	CVTOPT01	V(IEAOPT01) ADDRESS OF BRANCH ENTRY POINT OF POST ROUTINE
156 (9C)	A-ADDRESS	4	CVTRSV11	CVTTRMTB FIELD UNUSED IN OS/VS
160 (A0)	HEX	4	CVTSV76C	SVC 76 MESSAGE CONTROL FIELD. HIGH-ORDER BIT IS DEFINED, AND ALL OTHER BITS ARE ZERO. (OS/VS2)
	1...		CVTSV76Q	X'80' SVC 76 ENQUEUE SWITCH. THIS IS THE HIGH-ORDER BIT OF CVTSV76C. (OS/VS2)
164 (A4)	HEX	4	CVTMZ00	HIGHEST ADDRESS IN VIRTUAL STORAGE FOR THIS MACHINE
168 (A8)	A-ADDRESS	4	CVT1EF00	ADDRESS OF ROUTINE WHICH CREATES IRB'S FOR EXITS
172 (AC)	A-ADDRESS	4	CVTQOCR	GRAPHICS INTERFACE TASK (GFX) FIELD. ADDRESS OF SEVENTH WORD

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				OF GFX PARAMETER LIST, IF GFX IS ACTIVE. ZERO IF GFX IS NOT ACTIVE
176	(B0) V-ADDRESS	4	CVTQMWR	V(IEFQMWR) ADDRESS OF QUEUE MANAGER'S SYSTEM OUTPUT COMMUNICATIONS-DATA-AREA (CDA), WHICH IS STORED ON AN EXTERNAL DEVICE
180	(B4) SIGNED	2	CVTSNCTR	SERIAL NUMBER COUNTER FOR ASSIGNING SERIAL NUMBERS TO NON-SPECIFIC, UNLABELED MAGNETIC TAPE VOLUMES
182	(B6) A-ADDRESS	1	CVTOPTA	OPTION INDICATORS
	1...		CVTCCH	X'80' CHANNEL CHECK HANDLER (CCH) OPTION PRESENT RECOVERY MANAGEMENT SUPPORT (RMS)
	.1..		CVTAPR	X'40' ALTERNATE PATH RETRY (APR) OPTION PRESENT RECOVERY MANAGEMENT SUPPORT (RMS)
	..1.		CVTDDR	X'20' DYNAMIC DEVICE RECONFIGURATION (DDR) OPTION PRESENT RECOVERY MANAGEMENT SUPPORT (RMS) (OS/VS1) DDR SYSTEM-INITIATED SWAP ACTIVE (OS/VS2)
	...1		CVTNIP	X'10' NIP IS EXECUTING
	.... 1...		CVTRSV12	X'08',,C'X' RESERVED
	.... .1..		CVTRSV13	X'04',,C'X' RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... ..1.			CVTASCII	X'02' ASCII TAPE PROCESSING IS GENERATED IN THIS SYSTEM
....1			CVTXPFP	X'01' CPU HAS EXTENDED PRECISION FLOATING POINT FEATURE
183 (B7)	A-ADDRESS	1	CVTOPTB	MISCELLANEOUS FLAGS
1...			CVTPROT	X'80' CPU HAS STORE PROTECTION FEATURE (OS/VS1)
.1..			CVTCTIMS	X'40' IF ON, HARDWARE HAS THE CLOCK COMPARATOR AND CPU TIMER FEATURE INSTALLED, AND OS/VS1 SYSGEN HAS SPECIFIED THIS FEATURE (OS/VS1)
..1.			CVTTOD	X'20' CPU HAS TIME-OF-DAY CLOCK FEATURE
...1			CVTNLOG	X'10' SYS1.LOGREC IS UNAVAILABLE FOR ERROR RECORDING. ALWAYS SET TO ZERO FOR OS/VS1.
.... 1...			CVTAPTHR	X'08' NIP SETS THIS BIT TO 1 WHEN DEVICE TESTING IS COMPLETE. IF 1, I/O SUPERVISOR USES AN ALTERNATE PATH TO A DEVICE WHEN A CONDITION CODE OF 3 EXISTS. THIS BIT IS RESET TO 0 BY NIP AFTER THE LINK PACK AREA IS INITIALIZED.
.... .1..			CVTFP	X'04' CPU HAS FETCH PROTECTION FEATURE (OS/VS1)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... ..1.			CVTVS1A	X'02' VS1 ASSIST IS AVAILABLE FOR USE (OS/VS1)
....1			CVTVS1B	X'01' VS1 ASSIST SUBSET IS AVAILABLE FOR USE (OS/VS1)
184 (B8)	V-ADDRESS	4	CVTQCDSR	V(IEAQCDSR) CDE SEARCH ROUTINE ADDRESS (OS/VS2)
188 (BC)	V-ADDRESS	4	CVTQLPAQ	V(IEAQLPAQ) ADDRESS OF POINTER TO MOST RECENT ENTRY ON LINK PACK AREA CDE QUEUE (OS/VS2)
192 (C0)	A-ADDRESS	4	CVTRSV18	CVTHPCVT FIELD UNUSED IN OS/VS
196 (C4)	A-ADDRESS	4	CVTSMCA	ADDRESS OF THE SYSTEM MANAGEMENT CONTROL AREA (SMCA) IF THE SYSTEM MANAGEMENT FACILITIES (SMF) OPTION IS PRESENT IN THE SYSTEM. OTHERWISE, ZERO.
200 (C8)	V-ADDRESS	4	CVTABEND	V(IEABEND) ADDRESS OF SECONDARY CVT FOR ABEND IN EOT (OS/VS2)
204 (CC)	A-ADDRESS	4	CVTUSER	A WORD AVAILABLE TO THE USER
208 (D0)	A-ADDRESS	4	CVTMDLDS	RESERVED FOR MODEL-DEPENDENT SUPPORT
212 (D4)	BAL STMT	2	CVTQABST	AN ABEND INVOCATION (OS/VS2)
214 (D6)	BAL STMT	2	CVTLNKSC	A LINK INVOCATION

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
216 (D8)	A-ADDRESS	4	CVTTSCE	ADDRESS OF THE FIRST TIME SLICE CONTROL ELEMENT (TSCE)
220 (DC)	V-ADDRESS	4	CVTPATCH	V(IEAPATCH) ADDRESS OF A 200-BYTE FE PATCH AREA
224 (E0)	V-ADDRESS	4	CVTRMS	V(IGFRVT) RECOVERY MANAGEMENT SUPPORT (RMS) COMMUNICATIONS VECTOR. ADDRESS OF A MACHINE STATUS BLOCK.
228 (E4)	A-ADDRESS	4	CVTRV515	CVTTSCVT FIELD UNUSED IN MVS
232 (E8)	A-ADDRESS	4	CVTOSCR1	ADDRESS OF THE SECTOR CALCULATION ROUTINE FOR ROTATIONAL POSITION SENSING (RPS)
236 (EC)	A-ADDRESS	4	CVTGTF	GENERALIZED TRACE FACILITY (GTF) CONTROL WORD
236 (EC)	A-ADDRESS	1	CVTGTFST	GTF FLAG BYTES
1...			CVTGTFAV	X'80' IF ZERO, GTF NOT ACTIVE. IF ONE, GTF ACTIVE. (OS/VS2)
.1..			CVTRV315	X'40',,C'X' RESERVED (OS/VS2)
..1.			CVTRV316	X'20',,C'X' RESERVED (OS/VS2)
...1			CVTRV317	X'10',,C'X' RESERVED (OS/VS2)
.... 1...			CVTRV318	X'08',,C'X' RESERVED (OS/VS2)
.... .1..			CVTUSR	X'04' TRACE=USR SPECIFIED. USER-REQUESTED TRACE DATA IS TO BE INCLUDED IN THE TRACE DATA SET.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... ..1.		CVTRNIO	X'02' GTF IS ACTIVE AND TRACING RNIO EVENTS
	1		CVTRSV27	X'01'',,C'X' RESERVED
237	(ED) V-ADDRESS	3	CVTGTFA	VL3(AHLHEAD) ADDRESS OF MAIN MONITOR CALL ROUTING TABLE, MCHEAD (OS/VS2)
240	(F0) A-ADDRESS	4	CVTAQAVT	ADDRESS OF THE FIRST WORD OF THE TCAM DISPATCHER WHICH CONTAINS THE ADDRESS OF THE ADDRESS VECTOR TABLE (AVT). IF ZERO, TCAM IS NOT STARTED.
240	(F0) HEX	1	CVTTCMFG	TCAM FLAGS
	1...		CVTTCRDY	X'80' TCAM IS READY TO ACCEPT USERS
	.1..		CVTLDEV	X'40' LOCAL DEVICE ATTACHED TO TCAM
	..1.		CVTRSV29	X'20'',,C'X' RESERVED
	...1		CVTRSV30	X'10'',,C'X' RESERVED
	.... 1...		CVTRSV31	X'08'',,C'X' RESERVED
	.... .1..		CVTRSV32	X'04'',,C'X' RESERVED
	.... ..1.		CVTRSV33	X'02'',,C'X' RESERVED
	1		CVTRSV34	X'01'',,C'X' RESERVED
241	(F1) A-ADDRESS	3	CVTAQAVB	SAME AS CVTAQAVT ABOVE
244	(F4) A-ADDRESS	4	CVTVOLM2	ADDRESS OF TABLE FOR POWER WARNING FEATURE (PWF) (OS/VS2)
244	(F4) HEX	1	CVTVOLF2	PWF FLAG BYTE. THIS BYTE IS OVERLAID BY CVTVOLM2 AFTER PWF INITIALIZATION. (OS/VS2)

CVT   CVT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	1...		CVTVOLI2	X'80' PWF INITIALIZATION HAS NOT OCCURRED (OS/VS2)
245 (F5)	A-ADDRESS	3	CVTVOLT2	PWF RECHECK TIME DELAY. THIS VALUE IS OVERLAID BY CVTVOLM2 AFTER PWF INITIALIZATION. (OS/VS2)
248 (F8)	A-ADDRESS	4		RESERVED (OS/VS2)
252 (FC)	A-ADDRESS	4	CVTEXT1	ADDRESS OF OS OS/VS COMMON EXTENSION
256 (100)	A-ADDRESS	4	CVTCBSP	ADDRESS OF ACCESS METHOD CONTROL BLOCK STRUCTURE
260 (104)	A-ADDRESS	4	CVTPURG	ADDRESS OF SUBSYSTEM PURGE ROUTINE
260 (104)	HEX	1	CVTRSV35	RESERVED
261 (105)	A-ADDRESS	3	CVTPURGA	ADDRESS OF SUBSYSTEM PURGE ROUTINE
264 (108)	HEX	4	CVTAMFF	RESERVED FOR ACCESS METHOD FLAGS
268 (10C)	A-ADDRESS	4	CVTQMSG	ADDRESS OF INFORMATION TO BE PRINTED BY ABEND
268 (10C)	HEX	1	CVTRSV36	RESERVED
269 (10D)	V-ADDRESS	3	CVTQMSGA	VL3(IEAQMSGS) ADDRESS OF INFORMATION TO BE PRINTED BY ABEND
272 (110)	A-ADDRESS	4	CVTDMSR	SAME AS CVTDMSRA BELOW
272 (110)	HEX	1	CVTDMSRF	OPEN/CLOSE/EOV FLAG BYTE. SETTING BOTH BIT 0 AND BIT 1 ON WILL CAUSE BOTH KINDS OF DUMPS TO BE TAKEN. THESE BITS ARE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				USED DURING TESTING AND DEBUGGING WHEN OTHER DEBUG METHODS ARE INEFFECTIVE. (OS/VS2)
1...			CVTSDUMP	X'80' SET BY COREZAP. WILL CAUSE AN SDUMP TO BE TAKEN AND IEC999I MESSAGE ISSUED FOR EVERY ABEND ISSUED WITHIN AN OPEN/CLOSE/EOV OR DADSM FUNCTION. (OS/VS2)
.1..			CVTUDUMP	X'40' SET BY COREZAP. WILL CAUSE AN ABEND DUMP TO BE TAKEN FOR EVERY ABEND ISSUED WITHIN AN OPEN/CLOSE/EOV OR DADSM FUNCTION. (OS/VS2)
..1.			CVTRV629	X'20',,C'X' RESERVED (OS/VS2)
...1			CVTRV630	X'10',,C'X' RESERVED (OS/VS2)
.... 1...			CVTRV631	X'08',,C'X' RESERVED (OS/VS2)
.... .1..			CVTRV632	X'04',,C'X' RESERVED (OS/VS2)
.... ..1.			CVTRV633	X'02',,C'X' RESERVED (OS/VS2)
....1			CVTRV634	X'01',,C'X' RESERVED (OS/VS2)
273 (111) A-ADDRESS		3	CVTDMSRA	ADDRESS OF THE OPEN/CLOSE/EOV SUPERVISORY ROUTINE IN THE NUCLEUS. THIS ROUTINE HANDLES THE ROUTING OF CONTROL AMONG THE I/O SUPPORT ROUTINES.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
276 (114)	SIGNED	4	CVTRSV38	RESERVED
280 (118)	SIGNED	4	CVTRSV39	RESERVED

OS/VS1 - OS/VS2 COMMON SECTION

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
284 (11C)	A-ADDRESS	4	CVTREAL	ADDRESS OF THE VIRTUAL STORAGE BYTE FOLLOWING THE HIGHEST VIRTUAL=REAL STORAGE ADDRESS
288 (120)	V-ADDRESS	4	CVTPTRV	V(IEAPTRV) ADDRESS OF PAGING SUPERVISOR GENERAL ROUTINE TO TRANSLATE REAL ADDRESSES TO VIRTUAL ADDRESSES
292 (124)	A-ADDRESS	4		RESERVED (WAS CVTMODE) (OS/VS2)
296 (128)	V-ADDRESS	4	CVTJESCT	V(IEFJESCT) ADDRESS OF JOB ENTRY SUBSYSTEM (JES) CONTROL TABLE
300 (12C)	A-ADDRESS	4		RESERVED (WAS CVTJEPS) (OS/VS2)
304 (130)	SIGNED	4	CVTTZ	DIFFERENCE BETWEEN LOCAL TIME AND GREENWICH MEAN TIME IN BINARY UNITS OF 1.048576 SECONDS
308 (134)	A-ADDRESS	4	CVTMCHPR	ADDRESS OF MACHINE CHECK PARAMETER LIST
312 (138)	A-ADDRESS	4	CVTEORM	POTENTIAL REAL HIGH STORAGE ADDRESS (OS/VS2)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
316 (13C)	A-ADDRESS	4	CVTRV517	CVTERPV FIELD UNUSED IN MVS
320 (140)	A-ADDRESS	4	CVTRV518	CVTINTL: FIELD UNUSED IN MVS
324 (144)	A-ADDRESS	4	CVTAPF	SAME AS CVTAPFA BELOW
324 (144)	HEX	1	CVTRSV40	RESERVED
325 (145)	V-ADDRESS	3	CVTAPFA	VL3(IEAVTEST) ADDRESS OF BRANCH ENTRY POINT IN AUTHORIZED PROGRAM FACILITY (APF) ROUTINE
328 (148)	A-ADDRESS	4	CVTEXT2	ADDRESS OF OS/VS1 OS/VS2 COMMON EXTENSION
328 (148)	HEX	1	CVTRSV41	RESERVED
329 (149)	A-ADDRESS	3	CVTEXT2A	SAME AS CVTEXT2 ABOVE
332 (14C)	A-ADDRESS	4	CVTHJES	SAME AS CVTHJESA BELOW
332 (14C)	HEX	1	CVTRSV42	RESERVED
333 (14D)	A-ADDRESS	3	CVTHJESA	ADDRESS OF OPTIONAL JOB ENTRY SUBSYSTEM (JES) COMMUNICATION VECTOR TABLE
336 (150)	SIGNED	2	CVTRSV43	RESERVED
338 (152)	SIGNED	2	CVTRSV44	RESERVED
340 (154)	SIGNED	4	CVTRSV45	RESERVED
344 (158)	SIGNED	4	CVTRSV46	RESERVED

OS/VS2 OVERLAY

| 348 (15C) | A-ADDRESS | 4 | CVTGETL | ADDRESS OF IKJGETL, TSO GET LINE ROUTINE |
| 352 (160) | V-ADDRESS | 4 | CVTLPDSR | V(IEAVVMSR) ADDRESS OF LINK PACK AREA (LPA) DIRECTORY SEARCH ROUTINE |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
356 (164)	V-ADDRESS	4	CVTPVTP	V(CSECPVT) ADDRESS OF PAGE VECTOR TABLE
360 (168)	A-ADDRESS	4	CVTLPDIA	ADDRESS OF LINK PACK AREA (LPA) DIRECTORY (ON PAGE BOUNDARY)
360 (168)	BITSTRING	1	CVTDIRST	FLAG BYTE
1...			CVTDICOM	X'80' LFA DIRECTORY HAS BEEN INITIALIZED BY NIP
.1..			CVTRSV63	X'40',,C'X' RESERVED
..1.			CVTRSV64	X'20',,C'X' RESERVED
...1			CVTRSV65	X'10',,C'X' RESERVED
.... 1...			CVTRSV66	X'08',,C'X' RESERVED
.... .1..			CVTRSV67	X'04',,C'X' RESERVED
.... ..1.			CVTRSV68	X'02',,C'X' RESERVED
....1			CVTRSV69	X'01',,C'X' RESERVED
361 (169)	A-ADDRESS	3	CVTLPDIR	ADDRESS OF LINK PACK AREA (LPA) DIRECTORY (ON PAGE BOUNDARY)
364 (16C)	A-ADDRESS	4	CVTRV320	CVTPAGE1 FIELD UNUSED IN MVS
368 (170)	A-ADDRESS	4	CVTRV321	CVTPGSUP FIELD UNUSED IN MVS
372 (174)	CHARACTER	4	CVTSLIDA	IDENTITY OF TCB CAUSING SUPERVISOR LOCK BYTE (CVTSYLK) TO BE SET OR IDENTITY OF TCB THAT SECOND EXIT PROCESSING IS FOR WHEN CVTSEIC=1
372 (174)	CHARACTER	1	CVTSYLK	SUPERVISOR LOCK. ONLY ENABLED TASKS MAY BE DISPATCHED
1111 1111			CVTSYLKS	X'FF' SET LOCK BYTE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
....			CVTSYLKR	X'00' RESET LOCK BYTE
373 (175)	CHARACTER	3	CVTSLID	SAME AS CVTSLIDA ABOVE
376 (178)	A-ADDRESS	4	CVTRV322	RESERVED FOR FUTURE USE
380 (17C)	A-ADDRESS	4	CVTRV328	CVTSEG AND CVTSEGA FIELDS UNUSED IN MVS
384 (180)	A-ADDRESS	4	CVTRV329	CVTSEGB FIELD UNUSED IN MVS
388 (184)	A-ADDRESS	4	CVTRV330	CVTSEGC AND SUBFIELDS UNUSED IN MVS
392 (188)	A-ADDRESS	4	CVTRV331	CVTSEGD AND SUBFIELDS UNUSED IN MVS
396 (18C)	HEX	1	CVTRSV77	RESERVED
397 (18D)	SIGNED	1	CVTSPVLK	NUMBER OF TASKS WHICH HAVE TERMINATED WHILE OWNING SUPERVISOR LOCK WITHOUT OPERATOR HAVING YET BEEN NOTIFIED
398 (18E)	A-ADDRESS	1	CVTCTLFG	SYSTEM CONTROL FLAGS
1...			CVTRV323	X'80',,C'X' CVTPSIC BIT UNUSED IN MVS
.1..			CVTRV333	X'40',,C'X' CVTAPGB BIT UNUSED IN MVS
..1.			CVTRSV78	X'20',,C'X' RESERVED
...1			CVTDSTAT	X'10' DEVSTAT OPTION IN EFFECT. DEVICE ADDRESS FOR 2319, 3330, 2314, 3330-1, 3340 CAN VARY ACROSS SYSTEMS
.... 1...			CVTRSV79	X'08',,C'X' RESERVED
.... .1..			CVTNOMP	X'04' MULTIPROCESSING CODE IS NOT IN THE SYSTEM
.... ..1.			CVTGTRCE	X'02' GENERALIZED TRACE FACILITY (GTF) HAS SUPPRESSED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	1		CVTSDTRC	SUPERVISOR TRACE X'01' SVC DUMP HAS SUPPRESSED SUPERVISOR TRACE
399 (18F)	SIGNED	1	CVTAPG	DISPATCHING PRIORITY OF AUTOMATIC PRIORITY GROUP (APG)
400 (190)	BAL STMT	2	CVTTRACE	BRANCH ON REGISTER INSTRUCTION. SET BY NIP. REGISTER TEN FOR TRACE. REGISTER ELEVEN FOR NO TRACE.
402 (192)	BAL STMT	2	CVTTRAC2	THIS ALLOWS FOR SUPPRESSING TRACE DYNAMICALLY BY SETTING CONDITION CODE MASK TO ZERO IN FIRST INSTRUCTION (CVTTRACE)
404 (194)	V-ADDRESS	4	CVTRSCN	V(IEATRSCN) ADDRESS OF ROUTINE TO SCAN TCB TREE
408 (198)	A-ADDRESS	4	CVTTAS	ADDRESS OF ROUTINE TO TRANSFER ADDRESS SPACE
412 (19C)	A-ADDRESS	4	CVTRV332	CVTPVALD FIELD UNUSED IN MVS
416 (1A0)	A-ADDRESS	4	CVTSHRVM	LOWEST ADDRESS OF SHARED VIRTUAL STORAGE AREA. THIS ADDRESS WILL BE THE BEGINNING OF THE COMMON SERVICE AREA (CSA)
420 (1A4)	V-ADDRESS	4	CVTOVL01	V(IEAOVL01) ENTRY POINT ADDRESS OF VALIDITY CHECK ROUTINE (IEAOVL01) USED TO

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				COMPARE PROTECT KEY OF AN ADDRESS WITH TCB PROTECT KEY
424 (1A8)	A-ADDRESS	4	CVTRV324	CVTPFIXQ FIELD UNUSED IN MVS
428 (1AC)	A-ADDRESS	4	CVTRV325	CVTPFIXR FIELD UNUSED IN MVS
432 (1B0)	A-ADDRESS	4	CVTRV326	CVTPFIXP FIELD UNUSED IN MVS
436 (1B4)	A-ADDRESS	4	CVTASCRF	CREATED ASCB QUEUE HEADER
440 (1B8)	A-ADDRESS	4	CVTASCRL	CREATED ASCB QUEUE TRAILER
444 (1BC)	A-ADDRESS	4	CVTPUTL	ADDRESS OF IKJPUTL, TSO PUT LINE ROUTINE
448 (1C0)	V-ADDRESS	4	CVTSRBRT	V(IEAPDSRT) DISPATCHER RETURN ADDRESS FOR SRB ROUTINES
452 (1C4)	V-ADDRESS	4	CVTOLTOA	V(IFDOLTOA) BRANCH ENTRY TO OLTEP MEMORY TERMINATION RESOURCE MANAGER
456 (1C8)	V-ADDRESS	4	CVTSMFEX	V(IEASMFEX) BRANCH ENTRY TO SYSTEM MANAGEMENT FACILITIES (SMF) EXCP COUNTING ROUTINE FOR VIO WINDOW INTERCEPT
460 (1CC)	A-ADDRESS	4	CVTCSPIE	FOR CHECKPOINT/RESTART, BRANCH ENTRY TO SPIE
464 (1D0)	A-ADDRESS	4	CVTPTGT	ADDRESS OF IKJPTGT, TSO PUTGET ROUTINE

CVT   CVT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
468 (1D4)	SIGNED	1	CVTIOSPL	PRIORITY LEVEL OF I/O SUPERVISOR CHANNEL SCHEDULER
469 (1D5)	HEX	1	CVTRV513	RESERVED
470 (1D6)	HEX	1	CVTDSSAC	DYNAMIC SUPPORT SYSTEM (DSS) ACTIVATED FLAG USED BY RESTART FLIH. IF X'00', DSS NOT INITIALIZED. IF X'FF', DSS HAS BEEN INITIALIZED.
471 (1D7)	HEX	1	CVTRV139	RESERVED
472 (1D8)	A-ADDRESS	4	CVTSTCK	ADDRESS OF IKJSTCK, TSO STACK ROUTINE
476 (1DC)	SIGNED	2	CVTMAXMP	FCR MEASUREMENT FACILITY (MF/1), MAXIMUM PHYSICAL CPU ADDRESS SUPPORTED BY THIS RELEASE
478 (1DE)	SIGNED	2	CVTRV144	RESERVED
480 (1E0)	A-ADDRESS	4	CVTSCAN	ADDRESS OF IKJSCAN, TSO SCAN ROUTINE
484 (1E4)	A-ADDRESS	4	CVTAUTHL	POINTER TO AUTHORIZED LIBRARY TABLE
488 (1E8)	V-ADDRESS	4	CVTBLDCP	V(IEAVBLDP) BRANCH ENTRY TO BUILD POOL
492 (1EC)	V-ADDRESS	4	CVTGETCL	V(IEAVGTCL) BRANCH ENTRY TO GET CELL
496 (1F0)	V-ADDRESS	4	CVTFRECL	V(IEAVFRCL) BRANCH ENTRY TO FREE CELL
500 (1F4)	V-ADDRESS	4	CVTDELCP	V(IEAVDELP) BRANCH ENTRY TO DELETE POOL

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
504 (1F8)	V-ADDRESS	4	CVTCRMN	V(CRBRANCH) BRANCH ENTRY TO SVC 120 (GETMAIN/FREEMAIN IN CRBRANCH)
508 (1FC)	V-ADDRESS	4	CVTCRAS	V(IEAVGCAS) BRANCH ENTRY TO 'CREATE ADDRESS SPACE'
512 (200)	V-ADDRESS	4	CVTQSAS	V(IEAQSPET) BRANCH ENTRY TO TASK TERMINATION
516 (204)	V-ADDRESS	4	CVTFRAS	V(IEAVGFAS) BRANCH ENTRY TO 'FREE ADDRESS SPACE'
520 (208)	V-ADDRESS	4	CVTS1EE	V(IGC043BR) BRANCH ENTRY TO STAGE 1 EXIT EFFECTOR
524 (20C)	A-ADDRESS	4	CVTPARS	ADDRESS OF IKJPARS, TSO PARSE ROUTINE
528 (210)	V-ADDRESS	4	CVTQUIS	V(IEAVAR02) BRANCH ENTRY TO QUIESCE
532 (214)	A-ADDRESS	4	CVTSTXU	BRANCH ENTRY TO ATTENTION EXIT EPILOGUE
536 (218)	V-ADDRESS	4	CVTOPTE	V(IRARMI00) BRANCH ENTRY ADDRESS TO SYSEVENT
540 (21C)	A-ADDRESS	4	CVTSDRM	BRANCH ENTRY ADDRESS OF THE RESOURCE MANAGER ROUTINE FOR SVC DUMP. THIS ROUTINE CAN BE INVOKED BY MEMORY TERMINATION
544 (220)	A-ADDRESS	4	CVTIOSCS	ENTRY POINT OF I/O SUPERVISOR CHANNEL SCHEDULER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
548 (224)	V-ADDRESS	4	CVTAQTOP	V(IEFAQTOP) POINTER TO AREA CONTAINING QUIESCE DESCRIPTOR BLOCK (QDB'S) FOR DEVICE ALLOCATION
552 (228)	A-ADDRESS	4	CVTVVMDI	CONSTANT USED BY PAGED LINK PACK AREA (LPA) DIRECTORY SEARCH ALGORITHM
556 (22C)	A-ADDRESS	4	CVTASVT	POINTER TO ADDRESS SPACE VECTOR TABLE (ASVT)
560 (230)	A-ADDRESS	4	CVTGDA	POINTER TO GLOBAL DATA AREA (GDA) IN SQA
564 (234)	V-ADDRESS	4	CVTASCBH	V(IEAMASCB) POINTER TO HIGHEST PRIORITY ADDRESS SPACE CONTROL BLOCK (ASCB) ON THE ASCB DISPATCHING QUEUE (HEAD OF ASCB QUEUE)
568 (238)	V-ADDRESS	4	CVTASCBL	V(IEAMASCB) POINTER TO LOWEST PRIORITY ASCB ON THE ASCB DISPATCHING QUEUE
572 (23C)	A-ADDRESS	4	CVTRTMCT	POINTER TO RECOVERY/TERMINATION CONTROL TABLE
576 (240)	A-ADDRESS	4	CVTSV60	ADDRESS OF SVC 60 BRANCH ENTRY POINT
580 (244)	V-ADDRESS	4	CVTSDMP	V(IEAVTSDX) ADDRESS OF SVC DUMP BRANCH ENTRY POINT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
584 (248)	V-ADDRESS	4	CVTSCBP	V(IEAVTSBP) ADDRESS OF SCB PURGE RESOURCE MANAGER
588 (24C)	HEX	4	CVTSDBF	ADDRESS OF 4K SQA BUFFER USED BY SVC DUMP. HIGH-ORDER BIT OF THIS CVT WORD IS USED AS LOCK TO INDICATE BUFFER IS IN USE
592 (250)	A-ADDRESS	4	CVTRTMS	ADDRESS OF SERVICABILITY LEVEL INDICATOR PROCESSING (SLIP) HEADER
596 (254)	A-ADDRESS	4	CVTTPIOS	ADDRESS OF THE TELEPROCESSING I/O SUPERVISOR ROUTINE (TPIOS)
600 (258)	A-ADDRESS	4	CVTSIC	BRANCH ADDRESS OF THE ROUTINE TO SCHEDULE SYSTEM INITIALIZED CANCEL
604 (25C)	V-ADDRESS	4	CVTOPCTP	V(IRARMCNS) ADDRESS OF SYSTEM RESOURCES MANAGER (SRM) CONTROL TABLE
608 (260)	V-ADDRESS	4	CVTEXPRO	V(IEAVEXPR) ADDRESS OF EXIT PROLOGUE/TYPE 1 EXIT
612 (264)	V-ADDRESS	4	CVTGSMQ	V(IEAGSMQ) ADDRESS OF GLOBAL SERVICE MANAGER QUEUE
616 (268)	V-ADDRESS	4	CVTLSMQ	V(IEALSMQ) ADDRESS OF LOCAL SERVICE MANAGER QUEUE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
620 (26C)	V-ADDRESS	4	CVTGSPL	V(IEAGSPL) ADDRESS OF GLOBAL SYSTEM PRIORITY LIST QUEUE
624 (270)	V-ADDRESS	4	CVTVWAIT	V(IEAVWAIT) ADDRESS OF WAIT ROUTINE
628 (274)	V-ADDRESS	4	CVTPARRL	V(IEAPPGMA) ADDRESS OF PARTIALLY LOADED DELETE QUEUE
632 (278)	A-ADDRESS	4	CVTAPFT	ADDRESS OF AUTHORIZED PROGRAM FACILITY TABLE (APF) TABLE. INITIALIZED BY NIP.
636 (27C)	V-ADDRESS	4	CVTQCS01	V(IEAQCS01) BRANCH ENTRY ADDRESS TO PROGRAM MANAGER USED BY ATTACH
640 (280)	A-ADDRESS	4	CVTFQCB	POINTER TO FIRST MAJOR QCB FOR ENQ
644 (284)	A-ADDRESS	4	CVTLQCB	POINTER TO LAST MAJOR QCB FOR ENQ
648 (288)	V-ADDRESS	4	CVTRENQ	V(IEAVENQ2) RESOURCE MANAGER ADDRESS FOR ENQ
652 (28C)	A-ADDRESS	4	CVTRSPIE	RESOURCE MANAGER FOR SPIE
656 (290)	V-ADDRESS	4	CVTLKRMA	V(IEAVELRH) RESOURCE MANAGER ADDRESS FOR LOCK MANAGER
660 (294)	A-ADDRESS	4	CVTCSD	VIRTUAL ADDRESS OF COMMON SYSTEM DATA AREA (CSD). INITIALIZED BY NIP.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
664 (298)	V-ADDRESS	4	CVTDQIQE	V(IEADQIQE) RESOURCE MANAGER FOR EXIT EFFECTORS
668 (29C)	V-ADDRESS	4	CVTRPOST	V(IEARPOST) RESOURCE MANAGER FOR POST
672 (2A0)	V-ADDRESS	4	CVT062R1	V(IGC062R1) BRANCH ENTRY TO DETACH
676 (2A4)	V-ADDRESS	4	CVTVEACO	V(IEAVEACO) ASCBCHAP BRANCH ENTRY
680 (2A8)	V-ADDRESS	4	CVTGLMN	V(GLBRANCH) GLOBAL BRANCH ENTRY ADDRESS FOR GETMAIN/FREEMAIN
684 (2AC)	V-ADDRESS	4	CVTSPSA	V(IEAVGWSA) POINTER TO GLOBAL WORK/SAVE AREA VECTOR TABLE (WSAG)
688 (2B0)	V-ADDRESS	4	CVTWSAL	V(IEAVWSAL) ADDRESS OF TABLE OF LENGTHS OF LOCAL WORK/SAVE AREAS
692 (2B4)	A-ADDRESS	4	CVTRV149	RESERVED
696 (2B8)	V-ADDRESS	4	CVTWSAC	V(IEAVWSAC) ADDRESS OF TABLE OF LENGTHS OF CPU WORK/SAVE AREAS
700 (2BC)	V-ADDRESS	4	CVTRECRQ	V(IEAVTRER) ADDRESS OF THE RECORDING REQUEST FACILITY (PART OF RTM1 CALLED BY RTM2 AND RMS)
704 (2C0)	V-ADDRESS	4	CVTASMVT	V(ASMVT) POINTER TO AUXILIARY STORAGE MANAGEMENT VECTOR TABLE

CVT

CVT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				(AMVT)
708 (2C4)	V-ADDRESS	4	CVTIOBP	V(IDA121CV) ADDRESS OF THE BLOCK PROCESSOR CVT
712 (2C8)	V-ADDRESS	4	CVTSPOST	V(IEASPOST) POST RESOURCE MANAGER TERMINATION ROUTINE (RMTR) ENTRY POINT
716 (2CC)	SIGNED	4	CVTRSTWD	RESTART RESOURCE MANAGEMENT WORD CONTAINS IDENTIFIER OF USER IF RESTART IS IN USE. OTHERWISE, ZERO.
720 (2D0)	V-ADDRESS	4	CVTFETCH	V(IEWMSEPT) ADDRESS OF ENTRY POINT FOR BASIC FETCH
724 (2D4)	V-ADDRESS	4	CVT044R2	V(IGC044R2) ADDRESS OF IGC044R2 IN CHAP SERVICE ROUTINE
728 (2D8)	A-ADDRESS	4	CVTPERFM	ADDRESS OF THE PERFORMANCE WORK AREA. SET BY IGX00018.
732 (2DC)	A-ADDRESS	4	CVTDAIR	ADDRESS OF IKJDAIR, TSO DYNAMIC ALLOCATION INTERFACE ROUTINE
736 (2E0)	A-ADDRESS	4	CVTEHDEF	ADDRESS OF IKJEHDEF, TSO DEFAULT SERVICE ROUTINE
740 (2E4)	A-ADDRESS	4	CVTEHCIR	ADDRESS OF IKJEHCIR, TSO CATALOG INFORMATION ROUTINE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
744 (2E8)	A-ADDRESS	4	CVTSSAP	ADDRESS OF SYSTEM SAVE AREA
748 (2EC)	A-ADDRESS	4	CVTAIDVT	POINTER TO APPENDAGE ID VECTOR TABLE
752 (2F0)	V-ADDRESS	4	CVTIPCDS	V(IEAVEDR) BRANCH ENTRY FOR DIRECT SIGNAL SERVICE ROUTINE
756 (2F4)	V-ADDRESS	4	CVTIPCRI	V(IEAVERI) BRANCH ENTRY FOR REMOTE IMMEDIATE SIGNAL SERVICE ROUTINE
760 (2F8)	V-ADDRESS	4	CVTIPCRP	V(IEAVERP) BRANCH ENTRY FOR REMOTE PENDABLE SIGNAL SERVICE ROUTINE
764 (2FC)	A-ADDRESS	4	CVTPCCAT	POINTER TO PHYSICAL CCA VECTOR TABLE
768 (300)	A-ADDRESS	4	CVTLCCAT	POINTER TO LOGICAL CCA VECTOR TABLE
772 (304)	BITSTRING	1	CVTRV210	RESERVED
1...			CVTRV211	X'80',,C'X' RESERVED
.1..			CVTRV212	X'40',,C'X' RESERVED
..1.			CVTRV213	X'20',,C'X' RESERVED
...1			CVTRV214	X'10',,C'X' RESERVED
.... 1...			CVTRV215	X'08',,C'X' RESERVED
.... .1..			CVTRV216	X'04',,C'X' RESERVED
.... ..1.			CVTRV217	X'02',,C'X' RESERVED
....1			CVTRV218	X'01',,C'X' RESERVED
773 (305)	BITSTRING	1	CVTRV219	RESERVED
1...			CVTRV220	X'80',,C'X' RESERVED
.1..			CVTRV221	X'40',,C'X' RESERVED
..1.			CVTRV222	X'20',,C'X' RESERVED
...1			CVTRV223	X'10',,C'X' RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... 1...			CVTRV224	X'08',,C'X' RESERVED
.... .1..			CVTRV225	X'04',,C'X' RESERVED
.... ..1.			CVTRV226	X'02',,C'X' RESERVED
....1			CVTRV227	X'01',,C'X' RESERVED
774 (306) BITSTRING		1	CVTRV228	RESERVED
1...			CVTRV229	X'80',,C'X' RESERVED
.1..			CVTRV230	X'40',,C'X' RESERVED
..1.			CVTRV231	X'20',,C'X' RESERVED
...1			CVTRV232	X'10',,C'X' RESERVED
.... 1...			CVTRV233	X'08',,C'X' RESERVED
.... .1..			CVTRV234	X'04',,C'X' RESERVED
.... ..1.			CVTRV235	X'02',,C'X' RESERVED
....1			CVTRV236	X'01',,C'X' RESERVED
775 (307) BITSTRING		1	CVTRV237	RESERVED
1...			CVTRV238	X'80',,C'X' RESERVED
.1..			CVTRV239	X'40',,C'X' RESERVED
..1.			CVTRV240	X'20',,C'X' RESERVED
...1			CVTRV241	X'10',,C'X' RESERVED
.... 1...			CVTRV242	X'08',,C'X' RESERVED
.... .1..			CVTRV243	X'04',,C'X' RESERVED
.... ..1.			CVTRV244	X'02',,C'X' RESERVED
....1			CVTRV245	X'01',,C'X' RESERVED
776 (308) HEX		1	CVTRV246	RESERVED
777 (309) HEX		1	CVTRV247	RESERVED
778 (30A) HEX		1	CVTRV248	RESERVED
779 (30B) HEX		1	CVTRV249	RESERVED
780 (30C) HEX		1	CVTRV250	RESERVED
781 (30D) HEX		1	CVTRV251	RESERVED
782 (30E) A-ADDRESS		2	CVTRV252	RESERVED
784 (310) SIGNED		2	CVTRV253	RESERVED
786 (312) SIGNED		2	CVTRV254	RESERVED
788 (314) A-ADDRESS		4	CVTPWI	ADDRESS OF THE WINDOW INTERCEPT ROUTINE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
792 (318)	A-ADDRESS	4	CVTPVBP	ADDRESS OF THE VIRTUAL BLOCK PROCESSOR
796 (31C)	A-ADDRESS	4	CVTMFCTL	POINTER TO MEASUREMENT FACILITY CONTROL BLOCK
800 (320)	A-ADDRESS	4	CVTMFRTR	IF MEASUREMENT FACILITY IS ACTIVE, CONTAINS ADDRESS OF MEASUREMENT FACILITY ROUTINE. OTHERWISE, ADDRESS OF CVTBRET.
	1...		CVTMFACT	X'80' IF ONE, I/O SUPERVISOR AND TIMER SECOND LEVEL INTERRUPT HANDLER HOOKS BRANCH TO MEASUREMENT FACILITY ROUTER. USED TO SET HIGH-ORDER BIT OF CVTMFRTR.
804 (324)	V-ADDRESS	4	CVTVPSIB	V(IEAVPSIB) BRANCH ENTRY TO PAGE SERVICES
808 (328)	V-ADDRESS	4	CVTVSI	V(IEAVAMSI) BRANCH ENTRY TO VIO SERVICES
812 (32C)	V-ADDRESS	4	CVTVFP	V(IEAVFP1) BRANCH ENTRY TO FINDPAGE
816 (330)	BITSTRING	1	CVTRV262	RESERVED
	1...		CVTRV263	X'80',,C'X' RESERVED
	.1..		CVTRV264	X'40',,C'X' RESERVED
	..1.		CVTRV265	X'20',,C'X' RESERVED
	...1		CVTRV266	X'10',,C'X' RESERVED
	.... 1...		CVTRV267	X'08',,C'X' RESERVED
	.... .1..		CVTRV268	X'04',,C'X' RESERVED
	.... ..1.		CVTRV269	X'02',,C'X' RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
....1			CVTRV270	X'01',,C'X' RESERVED
817 (331) BITSTRING	1		CVTRV271	RESERVED
1...			CVTRV272	X'80',,C'X' RESERVED
.1..			CVTRV273	X'40',,C'X' RESERVED
..1.			CVTRV274	X'20',,C'X' RESERVED
...1			CVTRV275	X'10',,C'X' RESERVED
.... 1...			CVTRV276	X'08',,C'X' RESERVED
.... .1..			CVTRV277	X'04',,C'X' RESERVED
.... ..1.			CVTRV278	X'02',,C'X' RESERVED
....1			CVTRV279	X'01',,C'X' RESERVED
818 (332) BITSTRING	1		CVTRV280	RESERVED
1...			CVTRV281	X'80',,C'X' RESERVED
.1..			CVTRV282	X'40',,C'X' RESERVED
..1.			CVTRV283	X'20',,C'X' RESERVED
...1			CVTRV284	X'10',,C'X' RESERVED
.... 1...			CVTRV285	X'08',,C'X' RESERVED
.... .1..			CVTRV286	X'04',,C'X' RESERVED
.... ..1.			CVTRV287	X'02',,C'X' RESERVED
....1			CVTRV288	X'01',,C'X' RESERVED
819 (333) BITSTRING	1		CVTRV289	RESERVED
1...			CVTRV290	X'80',,C'X' RESERVED
.1..			CVTRV291	X'40',,C'X' RESERVED
..1.			CVTRV292	X'20',,C'X' RESERVED
...1			CVTRV293	X'10',,C'X' RESERVED
.... 1...			CVTRV294	X'08',,C'X' RESERVED
.... .1..			CVTRV295	X'04',,C'X' RESERVED
.... ..1.			CVTRV296	X'02',,C'X' RESERVED
....1			CVTRV297	X'01',,C'X' RESERVED
820 (334) A-ADDRESS	4		CVTTRCA	ADDRESS OF TRACE TABLE HEADER
824 (338) A-ADDRESS	2		CVTRV302	RESERVED
826 (33A) A-ADDRESS	2		CVTRV303	RESERVED
828 (33C) SIGNED	2		CVTRV304	RESERVED
830 (33E) SIGNED	2		CVTRV305	RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
832 (340)	SIGNED	2	CVTRV306	RESERVED
834 (342)	SIGNED	2	CVTRV307	RESERVED
836 (344)	V-ADDRESS	4	CVTVIOP	V(IEAVPIOP) ENTRY POINT OF PAGE I/O POST
840 (348)	V-ADDRESS	4	CVTRMBR	V(RMBRANCH) ADDRESS OF REGMAIN BRANCH ENTRY
844 (34C)	V-ADDRESS	4	CVTLFRM	V(FMBRANCH) LIST FORMAT FREEMAIN BRANCH ENTRY POINT
848 (350)	V-ADDRESS	4	CVTGMBR	V(GMBRANCH) LIST FORMAT GETMAIN BRANCH ENTRY POINT
852 (354)	A-ADDRESS	4	CVTOTCOA	ADDRESS OF TASK CLOSE MODULE IFGOTCOA
856 (358)	SIGNED	4	CVTRLSTG	SIZE OF ACTUAL REAL STORAGE ONLINE AT IPL TIME IN 'K'. VALUE PLACED HERE BY IEAVNIPO.
860 (35C)	V-ADDRESS	4	CVTSPFRR	V(IEAVESPR) 'SUPER FRR' ADDRESS (ADDRESS OF FUNCTIONAL RECOVERY ROUTINE ESTABLISHED AT NIPO TIME TO PROTECT SUPERVISOR CONTROL PROGRAM)
864 (360)	V-ADDRESS	4	CVTVEMS0	V(IEAVEMS0) ADDRESS OF MEMORY SWITCH ROUTINE
868 (364)	A-ADDRESS	4	CVTJRECM	ADDRESS OF SUBSYSTEM INTERFACE RESOURCE MANAGER

CVT   CVT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
872 (368)	A-ADDRESS	4	CVTIRECM	ADDRESS OF INITIATOR RESOURCE MANAGER
876 (36C)	A-ADDRESS	4	CVTDARCM	ADDRESS OF DEVICE ALLOCATION RESOURCE MANAGER
880 (370)	V-ADDRESS	4	CVTOPT02	V(IEAOPT02) ADDRESS OF POST ENTRY POINT IEAOPT02
884 (374)	V-ADDRESS	4	CVTSTPRS	V(IEESTPRS) ENTRY POINT OF STOP AND RESTART SUBROUTINE
888 (378)	V-ADDRESS	4	CVTWTCB	V(IEAWTCB) ADDRESS OF WAIT STATE TCB
892 (37C)	A-ADDRESS	4	CVTVACR	ACR/VARY CPU CHANNEL RECOVERY ROUTINE ADDRESS. ADDRESS FILLED IN BY VARY CPU PROCESSOR.
896 (380)	A-ADDRESS	4	CVTQUIT	VARY CPU SHUTDOWN ROUTINE ADDRESS. ADDRESS FILLED IN BY VARY CPU PROCESSOR.
900 (384)	V-ADDRESS	4	CVTGTFR8	V(AHLVCCR8) GENERALIZED TRACE FACILITY (GTF) CONTROL REGISTER 8 INITIALIZATION ROUTINE ADDRESS
904 (388)	V-ADDRESS	4	CVTVSTOP	V(IEEVSTOP) ADDRESS OF VARY CPU STOP CPU ROUTINE
908 (38C)	A-ADDRESS	4	CVTVPSA	ADDRESS OF COPY OF SYSGEN'ED PSA PLACED HERE BY NIP

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
912 (390)	A-ADDRESS	4	CVTRMPTT	ADDRESS OF ISTRAMA1, THE VTAM RESOURCE MANAGER FOR NORMAL AND ABNORMAL TASK TERMINATION
916 (394)	A-ADDRESS	4	CVTRMPMT	ADDRESS OF ISTRAMA2, THE VTAM RESOURCE MANAGER FOR NORMAL AND ABNORMAL MEMORY TERMINATION
920 (398)	V-ADDRESS	4	CVTEXP1	V(IEAVEXP1) ADDRESS OF EXIT PROLOGUE WHICH RETURNS TO THE DISPATCHER
924 (39C)	A-ADDRESS	4	CVTCSDRL	REAL ADDRESS OF COMMON SYSTEM DATA AREA (CSD). INITIALIZED BY NIP.
928 (3A0)	V-ADDRESS	4	CVTSSRB	V(IGC07903) STATUS STOP SRB ENTRY
932 (3A4)	A-ADDRESS	4	CVTRPT	ADDRESS OF IGARPT01 MODULE OF RADIX PARTITION TREE SERVICES. INITIALIZED BY NIP.
936 (3A8)	V-ADDRESS	4	CVTQV1	V(IEAVECV1) ADDRESS OF QUEUE VERIFICATION FOR SINGLE THREADED QUEUES WITH HEADERS ONLY
940 (3AC)	V-ADDRESS	4	CVTQV2	V(IEAVEQV2) ADDRESS OF QUEUE VERIFICATION FOR SINGLE THREADED QUEUES WITH HEADER AND TRAILER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
944 (3B0)	V-ADDRESS	4	CVTQV3	V(IEAVEQV3) ADDRESS OF QUEUE VERIFICATION FOR DOUBLE THREADED QUEUES
948 (3B4)	SIGNED	4	CVTGSDA	ADDRESS OF GLOBAL SYSTEM DUPLEX AREA. ADDRESS FILLED IN BY NIPO.
	1...		CVTGSDAB	X'80' IF HIGH-ORDER BIT IS ONE, THERE IS A VALID VALUE IN FOLLOWING 31 BITS
952 (3B8)	V-ADDRESS	4	CVTADV	V(IEAVEADV) ADDRESS OF ADDRESS VERIFICATION ROUTINE
956 (3BC)	V-ADDRESS	4	CVTTPIO	V(IGC124) ADDRESS OF VTAM TPIO (SVC 124) ROUTINE
960 (3C0)	A-ADDRESS	4	CVTCRCA	WHEN CHANNEL RECONFIGURATION HARDWARE (CRH) IS ACTIVE, ADDRESS OF CRH COMMUNICATION AREA IECVCRCA. OTHERWISE, ZERO.
964 (3C4)	V-ADDRESS	4	CVTEVENT	V(IEAVEVT0) BRANCH ENTRY ADDRESS TO EVENTS (FAST MULTIPLE WAIT ROUTINE)
968 (3C8)	A-ADDRESS	4	CVTSSCR	ADDRESS OF STORAGE SYSTEM CONTROLLER RECOVERY MANAGER CLEANUP ROUTINE (SSC RMCR)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
972 (3CC)	V-ADDRESS	4	CVTCBBR	V(CBBRANCH) BRANCH ENTRY ADDRESS TO GETMAIN/FREEMAIN
976 (3D0)	A-ADDRESS	4	CVTEFF02	ADDRESS OF IKJEFF02, TSO MESSAGE ISSUER SERVICE ROUTINE
980 (3D4)	A-ADDRESS	4	CVTRV604	RESERVED
984 (3D8)	A-ADDRESS	4	CVTRV605	RESERVED
988 (3DC)	A-ADDRESS	4	CVTHSM	POINTER TO HIERARCHICAL STORAGE MANAGER (HSM) QUEUE CONTROL TABLE
992 (3E0)	A-ADDRESS	4	CVTRAC	ADDRESS OF ACCESS CONTROL CVT
996 (3E4)	V-ADDRESS	4	CVTCGK	V(IEAVCKEY) ADDRESS OF ROUTINE USED TO CHANGE THE KEY OF VIRTUAL PAGES
1000 (3E8)	A-ADDRESS	4	CVTRV609	RESERVED
1004 (3EC)	V-ADDRESS	4	CVTOPTOE	V(IEAOPTOE) ENTRY POINT TO IDENTIFY POST EXIT ROUTINES
1008 (3F0)	V-ADDRESS	4	CVTOPT03	V(IEAOPT03) POST REINVOCATION ENTRY POINT FROM POST EXIT ROUTINES
1012 (3F4)	A-ADDRESS	4	CVTTCASP	RESERVED FOR FUTURE USE
1016 (3F8)	V-ADDRESS	4	CVTASMRM	V(ILRTERMR) ADDRESS OF AUXILIARY STORAGE MANAGEMENT RESOURCE MANAGER FOR ADDRESS SPACE TERMINATION

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1020 (3FC)	V-ADDRESS	4	CVTJTERM	V(ILRJTERM) ADDRESS OF AUXILIARY STORAGE MANAGEMENT JOB TERMINATION RESOURCE MANAGER
1024 (400)	V-ADDRESS	4	CVTRSUME	V(IEAVRSME) ADDRESS OF RESUME FUNCTION
1028 (404)	V-ADDRESS	4	CVTTCTL	V(IEAVTCTL) ADDRESS OF TRANSFER CONTROL (TCTL) FUNCTION
1032 (408)	A-ADDRESS	4	CVTCDAL	ADDRESS OF COMMON DISPATCHER ACTIVE LIST
1036 (40C)	V-ADDRESS	4	CVTT6SVC	V(IEAVET6E) ENTRY POINT ADDRESS FOR TYPE 6 SVC EXIT FUNCTION
1040 (410)	V-ADDRESS	4	CVTSUSP	V(IEAVSPND) ADDRESS OF SUSPEND ROUTINE
1044 (414)	V-ADDRESS	4	CVTIHASU	V(IEAIHASU) ADDRESS OF BIT STRING
1048 (418)	A-ADDRESS	4	CVTRV621	RESERVED
1052 (41C)	A-ADDRESS	4	CVTRV622	RESERVED
1056 (420)	A-ADDRESS	4	CVTRV623	RESERVED
1060 (424)	A-ADDRESS	4	CVTRV624	RESERVED
1064 (428)	A-ADDRESS	4	CVTRV625	RESERVED
1068 (42C)	A-ADDRESS	4	CVTRV626	RESERVED
1072 (430)	A-ADDRESS	4	CVTRV627	RESERVED
1076 (434)	A-ADDRESS	4	CVTRV628	RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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OS - OS/VS COMMON EXTENSION
ADDRESS OF EXTENSION IS IN CVTEXT1

0	(0) STRUCTURE	0	CVTXTNT1	
0	(0) A-ADDRESS	4	CVTFACHN	ADDRESS OF CHAIN OF DCB FIELD AREAS (ISAM)
4	(4) SIGNED	4	CVTRSV87	RESERVED
8	(8) SIGNED	4	CVTRSV88	RESERVED

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OS/VS1 - OS/VS2 COMMON EXTENSION
ADDRESS OF EXTENSION IS IN CVTEXT2

0	(0) STRUCTURE	0	CVTXTNT2	
0	(0) A-ADDRESS	4	CVTDSSV	ADDRESS OF THE DYNAMIC SUPPORT SYSTEM (DSS) VECTOR TABLE
0	(0) HEX	1	CVTRSV89	RESERVED
1	(1) V-ADDRESS	3	CVTDSSVA	VL3(IQADSVC0) ADDRESS OF THE DYNAMIC SUPPORT SYSTEM (DSS) VECTOR TABLE
4	(4) CHARACTER	1	CVTNUCLS	IDENTIFICATION OF THE NUCLEUS MEMBER NAME
5	(5) HEX	1	CVTFLGBT	FLAG BYTE (OS/VS1)
	1...		CVTNPE	X'80' INDICATES NON-PAGING ENVIRONMENT (VM HANDSHAKING) (OS/VS1)
	.1..		CVTVME	X'40' INDICATES MACHINE IS OPERATING IN VM ENVIRONMENT (OS/VS1)
	..1.		CVTBAH	X'20' INDICATES THAT THE VM/370 OS/VS1 BTAM AUTOPOLL HANDSHAKE IS OPERATIONAL (OS/VS1)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
...1			CVTRSV9D	X'10',,C'X' RESERVED
.... 1...			CVTRSV9E	X'08',,C'X' RESERVED
.... .1..			CVTRSV9F	X'04',,C'X' RESERVED
.... ..1.			CVTRSV9G	X'02',,C'X' RESERVED
....1			CVTRSV9H	X'01',,C'X' RESERVED
6 (6) SIGNED		2	CVTRSV91	RESERVED
8 (8) V-ADDRESS		4	CVTDEBVR	V(IFGDEBVR) ADDRESS OF BRANCH ENTRY POINT OF DEB VALIDITY CHECK ROUTINE
12 (C) A-ADDRESS		4	CVTRSV92	RESERVED
16 (10) SIGNED		4	CVTRSV93	RESERVED
20 (14) SIGNED		4	CVTRSV94	RESERVED
24 (18) A-ADDRESS		4	CVTQID	SAME AS CVTQIDA BELOW
24 (18) HEX		1	CVTRSV95	RESERVED
25 (19) A-ADDRESS		3	CVTQIDA	ADDRESS OF QUEUE IDENTIFICATION (QID) TABLE PREFIX
28 (1C) A-ADDRESS		4	CVTOLTEP	POINTER TO CONTROL BLOCK CREATED BY SVC 59 TO POINT TO PSEUDO-DEB'S
32 (20) SIGNED		2	CVTRSV96	RESERVED
34 (22) SIGNED		2	CVTRSV97	RESERVED
36 (24) SIGNED		4	CVTRSV98	RESERVED
40 (28) A-ADDRESS		4	CVTCCVT	ADDRESS OF CRYPTOGRAPHIC FACILITY CVT
44 (2C) A-ADDRESS		4	CVTSKTA	ADDRESS OF STORAGE KEY TABLE (VM HANDSHAKING) (OS/VS1)
48 (30) A-ADDRESS		4	CVTICB	ADDRESS OF MASS STORAGE SYSTEM (MSS) CONTROL BLOCK
52 (34) BITSTRING		1	CVTRV400	RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1....			CVTRV401	X'80',,C'X' RESERVED
.1..			CVTRV402	X'40',,C'X' RESERVED
..1.			CVTRV403	X'20',,C'X' RESERVED
...1			CVTRV404	X'10',,C'X' RESERVED
.... 1...			CVTRV405	X'08',,C'X' RESERVED
.... .1..			CVTRV406	X'04',,C'X' RESERVED
.... ..1.			CVTRV407	X'02',,C'X' RESERVED
....1			CVTRV408	X'01',,C'X' RESERVED
53 (35)	BITSTRING	1	CVTRV409	RESERVED
1....			CVTRV410	X'80',,C'X' RESERVED
.1..			CVTRV411	X'40',,C'X' RESERVED
..1.			CVTRV412	X'20',,C'X' RESERVED
...1			CVTRV413	X'10',,C'X' RESERVED
.... 1...			CVTRV414	X'08',,C'X' RESERVED
.... .1..			CVTRV415	X'04',,C'X' RESERVED
.... ..1.			CVTRV416	X'02',,C'X' RESERVED
....1			CVTRV417	X'01',,C'X' RESERVED
54 (36)	HEX	1	CVTRV418	RESERVED
55 (37)	HEX	1	CVTRV419	RESERVED
56 (38)	A-ADDRESS	2	CVTRV420	RESERVED
58 (3A)	SIGNED	2	CVTRV421	RESERVED
60 (3C)	SIGNED	2	CVTRV422	RESERVED
62 (3E)	SIGNED	2	CVTRV423	RESERVED
64 (40)	A-ADDRESS	4	CVTATCVT	POINTER TO VTAM'S CVT
1....			CVTATACT	X'80' IF ON, VTAM IS ACTIVE
68 (44)	A-ADDRESS	4	CVTRV425	RESERVED
72 (48)	A-ADDRESS	4	CVTRV426	RESERVED
76 (4C)	A-ADDRESS	4	CVTRV427	RESERVED
80 (50)	SIGNED	4	CVTRV428	RESERVED
84 (54)	BITSTRING	1	CVTRV429	RESERVED
1....			CVTRV430	X'80',,C'X' RESERVED
.1..			CVTRV431	X'40',,C'X' RESERVED
..1.			CVTRV432	X'20',,C'X' RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
...1			CVTRV433	X'10',,C'X' RESERVED
.... 1...			CVTRV434	X'08',,C'X' RESERVED
.... .1..			CVTRV435	X'04',,C'X' RESERVED
.... ..1.			CVTRV436	X'02',,C'X' RESERVED
....1			CVTRV437	X'01',,C'X' RESERVED
85 (55)	BITSTRING	1	CVTRV438	RESERVED
1...			CVTRV439	X'80',,C'X' RESERVED
.1..			CVTRV440	X'40',,C'X' RESERVED
..1.			CVTRV441	X'20',,C'X' RESERVED
...1			CVTRV442	X'10',,C'X' RESERVED
.... 1...			CVTRV443	X'08',,C'X' RESERVED
.... .1..			CVTRV444	X'04',,C'X' RESERVED
.... ..1.			CVTRV445	X'02',,C'X' RESERVED
....1			CVTRV446	X'01',,C'X' RESERVED
86 (56)	HEX	1	CVTRV447	RESERVED
87 (57)	HEX	1	CVTRV448	RESERVED
88 (58)	A-ADDRESS	2	CVTRV449	RESERVED
90 (5A)	SIGNED	2	CVTRV450	RESERVED
92 (5C)	SIGNED	2	CVTRV451	RESERVED
94 (5E)	SIGNED	2	CVTRV452	RESERVED
96 (60)	A-ADDRESS	4	CVTRV453	RESERVED
100 (64)	A-ADDRESS	4	CVTRV454	RESERVED
104 (68)	A-ADDRESS	4	CVTRV455	RESERVED
108 (6C)	A-ADDRESS	4	CVTRV456	RESERVED
112 (70)	BITSTRING	1	CVTRV457	RESERVED
1...			CVTRV458	X'80',,C'X' RESERVED
.1..			CVTRV459	X'40',,C'X' RESERVED
..1.			CVTRV460	X'20',,C'X' RESERVED
...1			CVTRV461	X'10',,C'X' RESERVED
.... 1...			CVTRV462	X'08',,C'X' RESERVED
.... .1..			CVTRV463	X'04',,C'X' RESERVED
.... ..1.			CVTRV464	X'02',,C'X' RESERVED
....1			CVTRV465	X'01',,C'X' RESERVED
113 (71)	BITSTRING	1	CVTRV466	RESERVED

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
	1...			CVTRV467	X'80',,C'X' RESERVED
	.1..			CVTRV468	X'40',,C'X' RESERVED
	..1.			CVTRV469	X'20',,C'X' RESERVED
	...1			CVTRV470	X'10',,C'X' RESERVED
	.... 1...			CVTRV471	X'08',,C'X' RESERVED
	.... .1..			CVTRV472	X'04',,C'X' RESERVED
	.... ..1.			CVTRV473	X'02',,C'X' RESERVED
	1			CVTRV474	X'01',,C'X' RESERVED
114	(72)	HEX	1	CVTRV475	RESERVED
115	(73)	HEX	1	CVTRV476	RESERVED
116	(74)	HEX	1	CVTRV477	RESERVED
117	(75)	HEX	1	CVTRV478	RESERVED
118	(76)	SIGNED	2	CVTRV479	RESERVED
120	(78)	A-ADDRESS	4	CVTRV480	RESERVED
124	(7C)	A-ADDRESS	4	CVTRV481	RESERVED
128	(80)	A-ADDRESS	4	CVTRV482	RESERVED

END OF CVT

| 0 | (0) | BAL STMT | 0 | | |

CVTTPC	88 (58)
CVTTPIO	956(3BC)
CVTTPIOS	596(254)
CVTTRACE	400(190)
CVTTRAC2	402(192)
CVTTRCA	820(334)
CVTTSCE	216 (D8)
CVTTZ	304(130)
CVTT6SVC	1036(40C)
CVTUDUMP	272 X'40'
CVTUSER	204 (CC)
CVTUSR	236 X'04'
CVTVACR	892(37C)
CVTVEACO	676(2A4)
CVTVEHSO	864(360)
CVTVFP	812(32C)
CVTVIOP	836(344)
CVTVME	5 X'40'
CVTVOLF2	244 (F4)
CVTVOLI2	244 X'80'
CVTVOLM2	244 (F4)
CVTVOLT2	245 (F5)
CVTVPSA	908(38C)
CVTVPSIB	804(324)
CVTVSI	808(328)
CVTVSTOP	904(388)
CVTVS1A	183 X'02'
CVTVS1B	183 X'01'
CVTVVMDI	552(228)
CVTVWAIT	624(270)
CVTWSAC	696(2B8)
CVTWSAL	688(2B0)
CVTWTCB	888(378)
CVTXAPG	20 (14)
CVTXITP	68 (44)
CVTXPFP	182 X'01'
CVTXTLER	44 (2C)
CVTXTNT1	0 (0)
CVTXTNT2	0 (0)
CVTZDTAB	64 (40)
CVT0DS	136 (88)
CVT0EF00	4 (4)
CVT0FN00	76 (4C)
CVT0PT0E	1004(3EC)
CVT0PT01	152 (98)
CVT0PT02	880(370)
CVT0PT03	1008(3F0)
CVT0SCR1	232 (E8)
CVT0TC0A	852(354)
CVT0VL00	24 (18)
CVT0VL01	420(1A4)
CVT044R2	724(2D4)
CVT062R1	672(2A0)
CVT1EF00	168 (A8)
CVT1SSS	116 X'40'
CVT2SPS	116 X'20'
CVT4MPS	116 X'04'
CVT4MS1	116 X'10'
CVT6DAT	116 X'02'

Common Name: SVC 72 Extended Save Area
Macro ID: IHACTM
DSECT Name: CXSA
Subpool and Key: 245 and key 0
Size: 48 bytes
Pointed to by: None
Serialization: None
Function: None

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	CXSA	0CL48 EXTENDED SAVE AREA FOR SVC 72
0 (0)	SIGNED	4	CSANPTR	A(*+8) FOR OVERLAY XCTLS
4 (4)	SIGNED	4	CSADCBP	0 DCB POINTER
8 (8)	CHARACTER	8	CSANAME	NEXT SEGMENT NAME
16 (10)	SIGNED	4	CSAUCM	CODE AND UCM POINTER
16 (10)	CHARACTER	1	CSACODE	INTERNAL CONTROL CODE
1...			CSACODE1	X'80' RESERVED
.1..			CSAVCPU	X'40' VARY CPU COMMAND
..1.			CSAVCHAN	X'20' VARY CHANNEL COMMAND
...1			CSAACR	X'10' AUTO CPU RECOVERY PROCESSING
.... 1...			CSAVMST	X'08' VARY MASTER CONSOLE
.... .1..			CSAEXTI	X'04' EXTERNAL INTERRUPT
.... ..1.			CSAHC	X'02' SWITCH HARD COPY FROM SYSLOG TO MASTER CONSOLE
....1			CSACODE8	X'01' RESERVED
....			CSASWTCH	X'00'
....			CSAOPEN	0 OPEN REQUEST
.... .1..			CSACLOSE	4 CLOSE REQUEST
17 (11)	CHARACTER	3	CSAUCMA	UCM ENTRY POINTER
20 (14)	SIGNED	4	CSACTLM	UCM POINTER,CVTCUCB
24 (18)	SIGNED	4	CSAXA	
28 (1C)	SIGNED	4	CSAXB	

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
32 (20)	SIGNED	4	CSAXC	
36 (24)	SIGNED	4	CSAXD	
40 (28)	SIGNED	4	CSAXE	
44 (2C)	SIGNED	4	CSAXF	

DCB1

Common Name: Data Control Block (EXCP, SAM, BPAM)
Macro ID: DCBD
DSECT Name: IHADCB
Created by: Problem program
Subpool and Key: Problem program subpool and key
Size: 96 bytes
Pointed to by: DEBDCBAD field of the DEB data area
IOBDCBPT field of the IOB data area
CVTLINKT field of the CVT data area
(LINKLIB DCB)
CVTSVDCB field of the CVT data area (SVCLIB
DCB)
CVIDCB field of the CVT data area (LOGREC
DCB)
DECCBAD field of the DLECB data area (BDAM,
BSAM, and BTAM DCBs)
JSCBDCB field of the JSCB data area
(scheduler DCB)
LWAPDCB field of the LWA data area (UADS
DCB)
SMCAPDCB field of the SMCA data area
current SMF DCB)
SMCAADCB field of the SMCA data area
(non-current SMF DCB)
TCBJLB field of the TCB data area (JOBLIB
DCB)
Serialization: User is responsible for serialization.
While OPEN/CLOSE/EOV process the DCB, a protected copy of
the DCB is made to ensure serialization.
Function: The DCB is the data area within which data
pertinent to the current use of a data set is stored. There
is substantial similarity between the DCB formats for use
with BSAM, QSAM, BPAM, and EXCP.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	IHADCB	, DCBPTR
	1...		DCBBIT0	128
	.1..		DCBBIT1	64
	..1.		DCBBIT2	32
	...1		DCBBIT3	16
	.... 1...		DCBBIT4	8
	.... .1..		DCBBIT5	4
	.... ..1.		DCBBIT6	2
	1		DCBBIT7	1
0	(0) CHARACTER	4	DCBRELAD	PARTITIONED ORGANIZATION DATA SET ADDRESS (IN THE FORM TTRN) OF MEMBER CURRENTLY USED. SYS1.LOGREC DATA SET IF CCH OPTION HAS BEEN SPECIFIED IN SYSGEN PROCESS, ADDRESS OF A 12-BYTE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				PARAMETER IN THE EXPANSION OF MACRO INSTRUCTION IGFCATAP
4	(4) SIGNED	1	DCBKEYCN	KEYED BLOCK OVERHEAD CONSTANT
5	(5) CHARACTER	8	DCBFDAD	FULL DISK ADDRESS IN THE FORM OF MBBCCHHR OF RECORD THAT WAS JUST READ OR WRITTEN
12	(C) A-ADDRESS	4	DCBDVTBL	SAME AS DCBDVTBA BELOW
12	(C) HEX	1		LAST BYTE OF DCBFDAD
13	(D) A-ADDRESS	3	DCBDVTBA	ADDRESS OF ENTRY IN I/O DEVICE CHARACTERISTICS TABLE FOR DEVICE BEING USED
16	(10) SIGNED	1		DCBKEYLE KEY LENGTH OF DATA SET
17	(11) CHARACTER	1		DCBDEVT DEVICE TYPE

FOR MASKS FOR ISAM DIRECT ACCESS, SEE DCBDVDEV IN ISAM SECTI

..1. ..1.	DCBDV301	X'22' 2301 PARALLEL DRUM
..1. ..11	DCBDV303	X'23' 2303 SERIAL DRUM
..1. .1..	DCBDV302	X'24' 2302 DISK STORAGE
..1. .111	DCBDV305	X'27' 2305 DRUM
..1. 1...	DCBDV314	X'28' 2314 DISK STORAGE FACILITY
..1. 1..1	DCBDV330	X'29' 3330 DISK STORAGE FACILITY
18 (12) SIGNED 2	DCBTRBAL	TRACK BALANCE. NUMBER OF BYTES REMAINING ON CURRENT TRACK AFTER A WRITE OPERATION (THIS QUANTITY MAY BE NEGATIVE IF THERE ARE NO

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				BYTES REMAINING ON TRACK).

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MAGNETIC TAPE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) CHARACTER	12		RESERVED FOR I/O SUPERVISOR

| 12 | (C) SIGNED | 4 | DCBBLKCT | BLOCK COUNT FOR EACH VOLUME |

16	(10) CHARACTER	1	DCBTRTCH	TAPE RECORDING TECHNIQUE FOR 7-TRACK TAPE
	..1. ..11		DCBMTE	X'23' E EVEN PARITY
	..11 1.11		DCBMTT	X'3B' T BCD/EBCDIC TRANSLATION
	...1 ..11		DCBMTC	X'13' C DATA CONVERSION
	..1. 1.11		DCBMTET	X'2B' ET EVEN PARITY AND TRANSLATION
17	(11) CHARACTER	1		DCBDEVT DEVICE TYPE
	1... ...1		DCBDVMT	X'81' 2400 SERIES MAGNETIC TAPE UNIT (7-TRACK OR 9-TRACK)
	1... ..11		DCBDVMT3	X'83' 3400 SERIES MAGNETIC TAPE UNIT
18	(12) CHARACTER	1	DCBDEN	TAPE DENSITY 2400 SERIES MAGNETIC TAPE UNITS CODE 7-TRACK 9-TRACK
	11		DCBMTDN0	X'03' 0 200 BPI
	.1.. ..11		DCBMTDN1	X'43' 1 556 BPI
	1... ..11		DCBMTDN2	X'83' 2 800 BPI 800 BPI
	11.. ..11		DCBMTDN3	X'C3' 3 1600 BPI
	11.1 ..11		DCBMTDN4	X'D3' 4 6250 BPI
19	(13) HEX	1		RESERVED

DCB1   DCB1

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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PAPER TAPE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
8	(8) A-ADDRESS	4	DCBLCTBL	ADDRESS OF TRANSLATE TABLE

| 12 | (C) HEX | 4 | | RESERVED |

16	(10) CHARACTER	1	DCBCODE	PAPER TAPE CODE BEING USED. THE APPROPRIATE TRANSLATE TABLE IS MADE AVAILABLE
	1...		DCBPTCDN	X'80' N NO CONVERSION
	.1..		DCBPTCDI	X'40' I IBM BCD
	..1.		DCBPTCDF	X'20' F FRIDEN
	...1		DCBPTCDB	X'10' B BURROUGHS
	.... 1...		DCBPTCDC	X'08' C NATIONAL CASH REGISTER
	.... .1..		DCBPTCDA	X'04' A ASCII (8-TRACK)
	.... ..1.		DCBPTCDT	X'02' T TELETYPE
17	(11) CHARACTER	1		DCBDEVT DEVICE TYPE
	.1.1		DCBDVPTP	X'50' 2671 PAPER TAPE READER
18	(12) HEX	1		RESERVED
19	(13) BITSTRING	1	DCBPTFLG	PAPER TAPE FLAGS
	...1		DCBPTIC	DCBBIT3 INVALID CHARACTER IN LAST RECORD READ
	.... 1...		DCBPTECT	DCBBIT4 END OF RECORD CHARACTER REACHED IN TRANSLATION
	.... .1..		DCBPTECR	DCBBIT5 END OF RECORD CHARACTER DETECTED DURING READ
	.... ..1.		DCBPTUCT	DCBBIT6 IF ONE, UPPER CASE TRANSLATE. IF ZERO, LOWER CASE TRANSLATE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	1		DCBPTERR	DCBBIT7 ERROR DETECTED ON READ

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PRINTER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
16	(10) CHARACTER	1	DCBPRTSP	NUMBER INDICATING NORMAL PRINTER SPACING
	1		DCBPRSP0	X'01' 0 NO SPACING
	.... 1..1		DCBPRSP1	X'09' 1 SPACE ONE LINE
	...1 ...1		DCBPRSP2	X'11' 2 SPACE TWO LINES
	...1 1..1		DCBPRSP3	X'19' 3 SPACE THREE LINES
17	(11) CHARACTER	1		DCBDEVT DEVICE TYPE
	.1.. 1...		DCBDVPR1	X'48' 1403 PRINTER AND 1404 PRINTER (CONTINUOUS FORM SUPPORT ONLY)
	.1.. 1.1.		DCBDVPR2	X'4A' 1443 PRINTER
	.1.. 1..1		DCBDVPR3	X'49' 3211 PRINTER
	.1.. 111.		DCBDVPR5	X'4E' 3800 PRINTER
18	(12) CHARACTER	1	DCBPRTOV	TEST-FOR-PRINTER-OVERFLOW MASK (PRTOV MASK)
	..1.		DCBPRC9	X'20' 9 TEST FOR CHANNEL 9 OVERFLOW
	...1		DCBPRC12	X'10' 12 TEST FOR CHANNEL 12 OVERFLOW
19	(13) CHARACTER	1	DCBPRBYT	PRINTER BYTE
	11		DCBTRCID	DCBBIT6+DCBBIT7 2-BIT ID OF 3800 TRANSLATE TABLE ACTIVE/LAST SELECTED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
20	(14) HEX	1		RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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CARD READER, CARD PUNCH

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
16	(10) BITSTRING	1	DCBMODE	MODE OF OPERATION FOR 1442 CARD READ PUNCH (BITS 0-3)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
16	(10) BITSTRING	1	DCBSTACK	STACKER SELECTION (BITS 4-7)
	1...		DCBMODEC	DCBBIT0 COLUMN BINARY MODE
	.1..		DCBMODEE	DCBBIT1 EBCDIC MODE
	..1.		DCBMODEO	DCBBIT2 OPTICAL MARK READ MODE
	...1		DCBMODER	DCBBIT3 READ COLUMN ELIMINATE MODE
	.... ..1.		DCBSTCK2	DCBBIT6 STACKER 2
	1		DCBSTCK1	DCBBIT7 STACKER 1
17	(11) CHARACTER	1		DCBDEVT DEVICE TYPE
	.1.. ...1		DCBDVCR0	X'41' 2540 CARD READER
	.1.. ..1.		DCBDVCP0	X'42' 2540 CARD PUNCH
	.1.. ..11		DCBDVCRP	X'43' 1442 CARD READ PUNCH
	.1.. .1..		DCBDVCR1	X'44' 2501 CARD READER
	.1.. .1.1		DCBDVCPR	X'45' 2520 CARD READ PUNCH
	.1.. .11.		DCBDVCR2	X'46' 3505 CARD READER
	.1.. 11..		DCBDVCP1	X'4C' 3525 CARD PUNCH
18	(12) HEX	1		RESERVED
19	(13) BITSTRING	1	DCBFUNC	FUNCTION INDICATOR FOR THE 3525
	1...		DCBFNCBI	DCBBIT0 INTERPRET (PUNCH AND PRINT TWO LINES)
	.1..		DCBFNCBR	DCBBIT1 READ
	..1.		DCBFNCBP	DCBBIT2 PUNCH
	...1		DCBFNCBW	DCBBIT3 PRINT
	.... 1...		DCBFNCBD	DCBBIT4 DATA PROTECTION
	.... .1..		DCBFNCBX	DCBBIT5 THIS DATA SET IS TO BE PRINTED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... ..1.			DCBFNCBT	DCBBIT6 TWO-LINE PRINT SUPPORT REQUEST

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OPTICAL READER AND MAGNETIC CHAR READER

| 0 | (0) A-ADDRESS | 4 | DCBWTOID | SAME AS DCBWTOIA BELOW |

| 0 | (0) HEX | 1 | | RESERVED |
| 1 | (1) A-ADDRESS | 3 | DCBWTOIA | A BINARY IDENTIFICATION NUMBER ASSIGNED BY COMMUNICATIONS TASK TO MESSAGE ISSUED BY WTO MACRO. THIS NUMBER IS USED BY THE DOM MACRO WHEN MESSAGE IS NO LONGER REQUIRED (MCS SUPPORT). FOR MAGNETIC CHAR READER AFTER FIRST READ HAS BEEN ISSUED, CONTAINS ADDRESS OF MAGNETIC INTERRUPT CONTROL BLOCK (MICB) BEING USED BY THE APPENDAGES. |

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OPTICAL READER DEVICES
1285, 1287, 1288, 3886

| 4 | (4) A-ADDRESS | 4 | DCBERRCN | SAME AS DCBERRCA BELOW |

| 4 | (4) HEX | 1 | | RESERVED |
| 5 | (5) A-ADDRESS | 3 | DCBERRCA | ADDRESS OF 32 BYTES OF DECLARED STORAGE SPECIFIED BY THE USER IN HIS PROGRAM. THIS STORAGE WILL BE USED BY THE PROGRAMMING SUPPORT AS EIGHT 4-BYTE COUNTERS IN |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				WHICH TOTALS OF CERTAIN 1285, 1287 AND 1288 ERROR CONDITIONS ARE ACCUMULATED.
4 (4)	HEX	1	DCBLNNUM	3886 DOCUMENT LINE NUMBER
5 (5)	HEX	1	DCBLFMAT	3886 LINE FORMAT NUMBER
6 (6)	HEX	1	DCBORFLG	3886 FLAGS
	1...		DCBEOPFG	DCBBITO END OF PAGE
7 (7)	HEX	1		RESERVED
8 (8)	A-ADDRESS	4	DCBDSPLY	SAME AS DCBDSPLA BELOW
8 (8)	CHARACTER	4	DCBFRID	3886 FORMAT RECORD ID
8 (8)	HEX	1		RESERVED
9 (9)	A-ADDRESS	3	DCBDSPLA	ADDRESS OF DSPLY (BSAM) ROUTINE USED FOR KEYBOARD ENTRY OF A COMPLETE FIELD
12 (C)	A-ADDRESS	4	DCBRESCN	SAME AS DCBRESCA BELOW
12 (C)	A-ADDRESS	4	DCBRDLNE	SAME AS DCBRDLNA BELOW
12 (C)	A-ADDRESS	4	DCBFRTBA	3886 FORMAT RECORD TABLE
12 (C)	HEX	1		RESERVED
13 (D)	A-ADDRESS	3	DCBRESCA	ADDRESS OF RESCN (BSAM) ROUTINE USED TO FORCE ON-LINE CORRECTION OF UNREADABLE CHARACTERS
13 (D)	A-ADDRESS	3	DCBRDLNA	ADDRESS OF RDLNE (QSAM) ROUTINE USED TO FORCE ON-LINE CORRECTION OF UNREADABLE CHARACTERS
16 (10)	BITSTRING	1	DCBORBYT	OPTICAL READER BYTE USED BY BSAM/QSAM
	1...		DCBORSYN	DCBBITO SYNAD IN CONTROL
	.1..		DCBOREOF	DCBBIT1 END OF FILE (EOF)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	..1.		DCBORBFP	DCBBIT2 BUFFERS PRIMED (QSAM)
17	(11) CHARACTER	1	DCBDEVT	DEVICE TYPE
	.1.1 1.1.		DCBDVOR5	X'5A' 1285 OPTICAL READER
	.1.1 1.11		DCBDVOR7	X'5B' 1287 OPTICAL READER
	.1.1 11..		DCBDVOR8	X'5C' 1288 OPTICAL READER
	.1.1 .111		DCBDVOR9	X'57' 3886 OPTICAL READER
18	(12) BITSTRING	1	DCBEIB	ERROR INDICATOR BYTE
	.1..		DCBORNRM	DCBBIT1 THE 1287 OR 1288 SCANNER WAS UNABLE TO LOCATE THE REFERENCE MARK
	..1.		DCBORREJ	DCBBIT2 FOR 1287, A STACKER SELECT COMMAND WAS GIVEN AFTER ALLOTTED TIME HAD ELAPSED AND THE DOCUMENT HAS BEEN PUT IN REJECT POCKET. FOR 1288 UNFORMATTED ONLY, END-OF-PAGE HAS OCCURRED.
	...1		DCBORERR	DCBBIT3 A NONRECOVERABLE ERROR HAS OCCURRED.
	.... 1...		DCBORECK	DCBBIT4 AN EQUIPMENT CHECK RESULTED IN AN INCOMPLETE READ
	.... .1..		DCBORWLR	DCBBIT5 A WRONG-LENGTH RECORD CONDITION HAS OCCURRED
	.... ..1.		DCBORHPR	DCBBIT6 FOR QSAM OPERATOR ENTERED ONE OR MORE CHARACTERS FROM THE KEYBOARD. FOR BSAM A HOPPER EMPTY CONDITION HAS OCCURRED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
....1			DCBORDCK	DCBBIT7 A DATA CHECK HAS OCCURRED
19 (13)	HEX	1		RESERVED

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MAGNETIC CHARACTER READER DEVICES
1419 MAGNETIC CHARACTER READER
1275 OPTICAL READER SORTER
3890 MAGNETIC CHARACTER READER
3895 DOCUMENT READER/INSCRIBER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	CHARACTER	8	DCBSSID	BEFORE DCB IS OPENED NAME OF USER'S STACKER SELECT ROUTINE.
0 (0)	A-ADDRESS	4		AFTER DCB IS OPENED DCBWTOID
0 (0)	A-ADDRESS	4	DCBQSMEX	ADDRESS OF QSAM EXIT ROUTINE
4 (4)	A-ADDRESS	4	DCBSSAD	ADDRESS OF USER'S STACKER SELECT ROUTINE
4 (4)	A-ADDRESS	4	DCBIMG	3890 ADDR OF USER'S IMAGE PROC RTN
4 (4)	HEX	1		RESERVED
5 (5)	A-ADDRESS	3	DCBSSADA	ADDRESS OF USER'S STACKER SELECT ROUTINE
8 (8)	A-ADDRESS	4	DCBIMAGE	SAME AS DCBIMAGA BELOW
8 (8)	BITSTRING	1	DCBMRFG	BUFFER INDICATOR
11..			DCBMRBCT	DCBBIT0+DCBBIT1 TWO-BIT BINARY COUNTER WHICH INDICATES INTO WHICH BUFFER STATUS INFORMATION IS TO BE POSTED
9 (9)	A-ADDRESS	3	DCBIMAGA	ADDRESS OF PARAMETER LIST USED TO COMMUNICATE BETWEEN USER'S PROCESSING ROUTINES AND HIS STACKER SELECT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				ROUTINES
12	(C) A-ADDRESS	4	DCBECBLT	SAME AS DCBECBLA BELOW
12	(C) A-ADDRESS	4	DCBHDR	3890 ADDR OF USER'S HEADER DATA AREA
12	(C) BITSTRING	1	DCBMRIND	INDICATOR AND CCUNTER BYTE
	111.		DCBMRDCT	DCBBIT0+DCBBIT1 +DCBBIT2 THREE-BIT BINARY COUNTER OF NUMBER OF DOCUMENTS READ AFTER DISENGAGE
	...1		DCBMRSCU	DCBBIT3 DCB WAS ALTERED WHEN SYNAD ROUTINE WAS ENTERED DUE TO SECONDARY CONTROL UNIT (SCU) ERROR
	.... 1...		DCBMRPLO	DCBBIT4 POCKET LIGHT HAS BEEN TURNED ON
	.... .1..		DCBMRPLS	DCBBIT5 POCKET LIGHT 0-6 IS BEING SET ON
	.... ..1.		DCBMRERP	DCBBIT6 ERROR RECOVERY PROCEDURE IS EXECUTING FOR PRIMARY CONTROL UNIT (PCU)
	1		DCBMRERS	DCBBIT7 ERROR RECOVERY PROCEDURE IS EXECUTING FOR SECONDARY CONTROL UNIT (SCU)
13	(D) A-ADDRESS	3	DCBECBLA	ADDRESS OF ECB LIST PASSED TO WAIT MACRO BY CHECK MACRO WHEN NO 1419/1275 IS AVAILABLE FOR PROCESSING
16	(10) BITSTRING	1	DCBMRFLG	FLAG BYTE
	1...		DCBMRSCC	DCBBIT0 FIRST OR SECOND SECONDARY CONTROL UNIT COMMAND CHAIN IS BEING USED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.1..			DCBMRDBG	DCBBIT1 DEBUGGING MODE IN USE
..1.			DCBMRDRU	DCBBIT2 DISENGAGE REQUESTED BY USER
...1			DCBMRDR	DCBBIT3 DISENGAGE REQUESTED
.... 11..			DCBMRPCC	DCBBIT4+DCBBIT5 TWO-BIT BINARY COUNTER INDICATING FIRST, SECOND, OR THIRD PRIMARY CONTROL UNIT COMMAND CHAIN IS BEING USED
.... ..1.			DCBMRDWT	DCBBIT6 WTO MESSAGE MUST BE DELETED
....1			DCBMRUE	DCBBIT7 UNIT EXCEPTION
17 (11)	CHARACTER	1	DCBDEVT	DEVICE TYPE
.1.1 11.1			DCBDVMR	X'5D' 1419 MAGNETIC CHARACTER READER
.1.1 1111			DCBDVORS	X'5F' 1275 OPTICAL READER SORTER
.1.1 .11.			DCBDVMRS	X'56' 3890 MAGNETIC CHARACTER READER SORTER
.1.1 1..1			DCBDVDRI	X'59' 3895 DOCUMENT READER/INSCRIBER
18 (12)	CHARACTER	1	DCBAPPIN	AN INDICATOR USED BY THE APPENDAGES TO PASS INFORMATION ABOUT ONE CHANNEL CHAIN TO AN APPENDAGE ASSOCIATED WITH ANOTHER CHANNEL CHAIN
19 (13)	HEX	1		RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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ACCESS METHOD COMMON INTERFACE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
16 (10)	SIGNED	4	DCBRELB	SAME AS DCBREL BELOW
16 (10)	SIGNED	1	DCBKEYLE	KEY LENGTH OF DATA SET
17 (11)	CHARACTER .1.. 1111	1	DCBDEVT DCBDVTRM	DEVICE TYPE X'4F' TERMINAL. (DD CONTAINS TERM=TS)
17 (11)	SIGNED	3	DCBREL	NUMBER OF RELATIVE TRACKS OR BLOCKS IN THIS DATA SET (BDAM)
20 (14)	A-ADDRESS	4	DCBBUFCB	ADDRESS OF BUFFER POOL CONTROL BLOCK
20 (14)	SIGNED	1	DCBBUFNO	NUMBER OF BUFFERS REQUIRED FOR THIS DATA SET. MAY RANGE FROM 0 TO 255. IF UNBLOCKED SPANNED RECORDS ARE USED, NUMBER OF SEGMENT WORK AREAS REQUIRED FOR THIS DATA SET.
21 (15)	A-ADDRESS	3	DCBBUFCA	ADDRESS OF BUFFER POOL CONTROL BLOCK
24 (18)	SIGNED	2	DCBBUFL	LENGTH OF BUFFER. MAY RANGE FROM 0 TO 32,767.
26 (1A)	BITSTRING	2	DCBDSORG	DATA SET ORGANIZATION BEING USED
26 (1A)	BITSTRING	1	DCBDSRG1	FIRST BYTE OF DCBDSORG
	1...		DCBDSGIS	DCBBITO IS INDEXED SEQUENTIAL ORGANIZATION
	.1..		DCBDSGPS	DCBBIT1 PS PHYSICAL SEQUENTIAL ORGANIZATION

DCB1

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			DCBDSGDA	DCBBIT2 DA DIRECT ORGANIZATION
...1			DCBDSGCX	DCBBIT3 CX BTAM OR QTAM LINE GROUP
.... ..1.			DCBDSGPO	DCBBIT6 PO PARTITIONED ORGANIZATION
....1			DCBDSGU	DCBBIT7 U UNMOVABLE, THE DATA CONTAINS LOCATION DEPENDENT INFORMATION
27 (1B)	BITSTRING	1	DCBDSRG2	SECOND BYTE OF DCBDSORG
1...			DCBDSGGS	DCBBIT0 GS GRAPHICS ORGANIZATION
.1..			DCBDSGTX	DCBBIT1 TX TCAM LINE GROUP
..1.			DCBDSGTQ	DCBBIT2 TQ TCAM MESSAGE QUEUE
.... 1...			DCBACBM	DCBBIT4 ACCESS METHOD CONTROL BLOCK
.... .1..			DCBDSGTR	DCBBIT5 TR TCAM 3705
28 (1C)	A-ADDRESS	4	DCBIOBAD	ADDRESS OF IOB WHEN CHAINED SCHEDULING IS USED OR FOR 1419/1275
28 (1C)	A-ADDRESS	4	DCBODEB	ADDRESS OF OLD DEB
28 (1C)	SIGNED	1	DCBLNP	3525 PRINTER LINE POSITION COUNTER
28 (1C)	BITSTRING	1	DCBQSLM	QSAM LOCATE MODE LOGICAL RECORD INTERFACE INDICATOR BYTE FOR UPDAT PROCESSING OF SPANNED RECORDS
1...			DCB1DVDS	DCBBIT0 ONLY ONE DEVICE IS ALLOCATED TO THIS DATA SET
.1..			DCBUPDCM	DCBBIT1 UPDATE COMPLETE, FREE OLD DEB
..11			DCBUFDBT	DCBBIT2+DCBBIT3 UPDATE BITS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			DCBUPDT	DCBBIT2 UPDATE TO TAKE PLACE
..11			DCBNUPD	DCBBIT2+DCBBIT3 NO UPDATE TO TAKE PLACE
...1			DCBSVDEB	DCBBIT3 OLD DEB ADDRESS MUST BE SAVED
29	(1D) A-ADDRESS	3	DCBIOBAA	SAME AS DCBIOBAD ABOVE
29	(1D) A-ADDRESS	3	DCBODEBA	ADDRESS OF OLD DEB

| 28 | (1C) A-ADDRESS | 4 | DCBSVCXL | SAME AS DCBSVCXA BELOW |

| 28 | (1C) HEX | 1 | | RESERVED |
| 29 | (1D) A-ADDRESS | 3 | DCBSVCXA | POINTER TO EXIT LIST OF JES C.I. INTERFACE CONTROL SVC |

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FOUNDATION EXTENSION

| 32 | (20) A-ADDRESS | 4 | DCBEODAD | SAME AS DCBEODA BELOW |

| 32 | (20) BITSTRING | 1 | DCBHIARC | HIERARCHY BITS |

| 32 | (20) BITSTRING | 1 | DCBBFTEK | BUFFERING TECHNIQUE BITS |

32	(20) BITSTRING	1	DCBBFALN	BUFFER ALIGNMENT BITS
1...			DCBH1	DCBBIT0 HIERARCHY 1 MAIN STORAGE BIT.5 IS ZERO
.111			DCBBFT	DCBBIT1+DCBBIT2 +DCBBIT3 BUFFERING TECHNIQUE
.11.			DCBBFTA	DCBBIT1+DCBBIT2 QSAM LOCATE MODE PROCESSING OF SPANNED RECORDS OPEN IS TO CONSTRUCT A RECORD AREA IF IT AUTOMATICALLY CONSTRUCTS BUFFERS
..1.			DCBBFTR	DCBBIT2 FOR BSAM CREATE BDAM PROCESSING OF UNBLOCKED SPANNED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				RECORDS SOFTWARE TRACK OVERFLOW. FOR BSAM INPUT PROCESSING OF UNBLOCKED SPANNED RECORDS WITH KEYS RECORD OFFSET PROCESSING.
.1..			DCBBFTS	DCBBIT1 SIMPLE BUFFERING BIT 3 IS ZERO
..1.			DCBBFTKR	DCBBIT2 UNBLOCKED SPANNED RECORDS SOFTWARE TRACK OVERFLOW (BDAM)
...1			DCBBFTE	DCBBIT3 EXCHANGE BUFFERING BIT 1 IS ZERO
.... 1...			DCBBFTKD	DCBBIT4 DYNAMIC BUFFERING (BTAM)
.... .1..			DCBHO	DCBBIT5 HIERARCHY 0 MAIN STORAGE BIT 0 IS ZERO
.... ..11			DCBBFA	DCBBIT6+DCBBIT7 BUFFER ALIGNMENT
.... ..1.			DCBBFAD	DCBBIT6 DOUBLEWORD BOUNDARY
....1			DCBBFAF1	DCBBIT7 FULLWORD NOT A DOUBLEWORD BOUNDARY, CODED IN DCB MACRO INSTRUCTION
.... ..11			DCBBFAF2	DCBBIT6+DCBBIT7 FULLWORD NOT A DOUBLEWORD BOUNDARY, CODED IN DCB MACRO INSTRUCTION
33 (21)	A-ADDRESS	3	DCBEODA	ADDRESS OF A USER-PROVIDED ROUTINE TO HANDLE END-OF-DATA CONDITIONS
36 (24)	A-ADDRESS	4	DCBEXLST	ADDRESS OF USER-PROVIDED LIST OF EXITS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
36	(24) BITSTRING	1	DCBRECFM	RECORD FORMAT
	111.		DCBRECLA	DCBBIT0+DCBBIT1 +DCBBIT2 RECORD LENGTH INDICATOR ASCII
	..1.		DCBRECD	DCBBIT2 ASCII VARIABLE RECORD LENGTH
	11..		DCBRECL	DCBBIT0+DCBBIT1 RECORD LENGTH INDICATOR
	1...		DCBRECF	DCBBIT0 FIXED RECORD LENGTH
	.1..		DCBRECV	DCBBIT1 VARIABLE RECORD LENGTH
	11..		DCBRECU	DCBBIT0+DCBBIT1 UNDEFINED RECORD LENGTH
	..1.		DCBRECTO	DCBBIT2 TRACK OVERFLOW
	...1		DCBRECBR	DCBBIT3 BLOCKED RECORDS
	.... 1...		DCBRECSB	DCBBIT4 FOR FIXED LENGTH RECORD FORMAT STANDARD BLOCKS. FOR VARIABLE LENGTH RECORD FORMAT SPANNED RECORDS
	.... .11.		DCBRECCC	DCBBIT5+DCBBIT6 CONTROL CHARACTER INDICATOR
	.... .1..		DCBRECCA	DCBBIT5 ASA CONTROL CHARACTER
	.... ..1.		DCBRECCM	DCBBIT6 MACHINE CONTROL CHARACTER
	....		DCBRECC	X'00' NO CONTROL CHARACTER
	1		DCBRECKL	DCBBIT7 KEY LENGTH (KEYLEN) WAS SPECIFIED IN DCB MACRO INSTRUCTION
37	(25) A-ADDRESS	3	DCBEXLSA	ADDRESS OF USER-PROVIDED LIST OF EXITS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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FOUNDATION BEFORE OPEN

| 40 | (28) CHARACTER | 8 | DCBDDNAM | NAME ON THE DD STATEMENT WHICH DEFINES THE DATA SET ASSOCIATED WITH THIS DCB |

48	(30) BITSTRING	1	DCBOFLGS	FLAGS USED BY OPEN ROUTINE
	1...		DCBOFLWR	DCBBIT0 IF ZERO, LAST I/O OPERATION WAS READ OR POINT. IF ONE, LAST I/O OPERATION WAS WRITE.
	1...		DCBOFIOD	DCBBIT0 DATA SET IS BEING OPENED FOR INPUT OR OUTPUT (BDAM)
	.1..		DCBOFLRB	DCBBIT1 LAST I/O OPERATION WAS IN READ BACKWARD MODE
	..1.		DCBOFEOV	DCBBIT2 SET TO 1 BY EOV WHEN IT CALLS CLOSE ROUTINE FOR CONCATENATION OF DATA SETS WITH UNLIKE ATTRIBUTES
	...1		DCBOFOPN	DCBBIT3 AN OPEN HAS BEEN SUCCESSFULLY COMPLETED
	.... 1...		DCBOFPPC	DCBBIT4 SET TO 1 BY PROBLEM PROGRAM TO INDICATE A CONCATENATION OF UNLIKE ATTRIBUTES
	.... .1..		DCBOFTM	DCBBIT5 TAPE MARK HAS BEEN READ
	.... ..1.		DCBOFUEX	DCBBIT6 SET TO 0 BY AN I/O SUPPORT FUNCTION WHEN THAT FUNCTION TAKES A USER EXIT. SET TO 1 ON RETURN FROM USER EXIT TO THE I/O SUPPORT

DCB1

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				FUNCTION WHICH TOOK THE EXIT.
....1			DCBOFIOF	DCBBIT7 SET TO 1 BY AN I/O SUPPORT FUNCTION IF DCB IS TO BE PROCESSED BY THAT FUNCTION
49 (31) BITSTRING		1	DCBIFLG	FLAGS USED BY IOS IN COMMUNICATING ERROR CONDITIONS AND IN DETERMINING CORRECTIVE PROCEDURES
11..			DCBIBEC	DCBBIT0+DCBBIT1 ERROR CORRECTION INDICATOR
....			DCBIFNEP	X'00' NOT IN ERROR PROCEDURE
.1..			DCBEX	DCBBIT1 ERROR CORRECTION OR IOS PAGE FIX IN PROCESS
11..			DCBIFPEC	DCBBIT0+DCBBIT1 PERMANENT ERROR CORRECTION
..11			DCBIBPCT	DCBBIT2+DCBBIT3 PRINTER CARRIAGE TAPE PUNCH INDICATOR
..1.			DCBIFC9	DCBBIT2 CHANNEL 9 PRINTER CARRIAGE TAPE PUNCH SENSED
...1			DCBIFC12	DCBBIT3 CHANNEL 12 PRINTER CARRIAGE TAPE PUNCH SENSED
.... 11..			DCBIBIOE	DCBBIT4+DCBBIT5 IOS ERROR ROUTINE USE INDICATOR
....			DCBIFER	X'00' ALWAYS USE I/O SUPERVISOR ERROR ROUTINE
.... .1..			DCBIFNE1	DCBBIT5 NEVER USE I/O SUPERVISOR ERROR ROUTINE
.... .1..			DCBIFTIM	DCBBIT5 TEST IOS MASK (IMSK) FOR ERROR PROCEDURE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... 1...		DCBIFNE2	(BTAM) DCBBIT4 NEVER USE I/O SUPERVISOR ERROR ROUTINE
	.... 11..		DCBIFNE3	DCBBIT4+DCBBIT5 NEVER USE I/O SUPERVISOR ERROR ROUTINE
50	(32) BITSTRING	2	DCBMACR	MACRO INSTRUCTION REFERENCE
50	(32) BITSTRING	1	DCBMACR1	FIRST BYTE OF DCBMACR
	1...		DCBMRECP	DCBBIT0 EXECUTE CHANNEL PROGRAM (EXCP) ALWAYS ZERO (BSAM, QSAM, BPAM, BISAM, QISAM, BDAM) RESERVED (QTAM, BTAM)
	.1..		DCBMRFE	DCBBIT1 FOUNDATION EXTENSION IS PRESENT (EXCP)
	.1..		DCBMRGET	DCBBIT1 GET (QSAM, QISAM, TCAM)
	.1..		DCBMRPTQ	DCBBIT1 PUT FOR MESSAGE GROUP (QTAM) ALWAYS ZERO (BSAM, BPAM, BISAM, BDAM) RESERVED (BTAM)
	..1.		DCBMRAPG	DCBBIT2 APPENDAGES ARE REQUIRED (EXCP)
	..1.		DCBMRRD	DCBBIT2 READ (BSAM, BPAM, BISAM, BDAM, BTAM)
	..1.		DCBMRWRQ	DCBBIT2 WRITE FOR LINE GROUP (QTAM) ALWAYS ZERO (QSAM, QISAM)
	...1		DCBMRCI	DCBBIT3 COMMON INTERFACE (EXCP)
	...1		DCBMRMVG	DCBBIT3 MOVE MODE OF GET (QSAM, QISAM)
	...1		DCBMRRDK	DCBBIT3 KEY SEGMENT WITH READ (BDAM) ALWAYS ZERO (BISAM) RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				(BSAM, BPAM, QTAM, BTAM)
.... 1...			DCBMRLCG	DCBBIT4 LOCATE MODE OF GET (QSAM, QISAM)
.... 1...			DCBMRRDI	DCBBIT4 ID ARGUMENT WITH READ (BDAM) ALWAYS ZERO (BISAM) RESERVED (EXCP, BSAM, BPAM, QTAM, BTAM)
.... .1..			DCBMRABC	DCBBIT5 USER'S PROGRAM MAINTAINS ACCURATE BLOCK COUNT (EXCP)
.... .1..			DCBMRPT1	DCBBIT5 POINT (WHICH IMPLIES NOTE) (BSAM, BPAM)
.... .1..			DCBMRSBG	DCBBIT5 SUBSTITUTE MODE OF GET (QSAM)
.... .1..			DCBMRDBF	DCBBIT5 DYNAMIC BUFFERING (BISAM, BDAM) ALWAYS ZERO (QISAM) RESERVED (QTAM, BTAM)
.... ..1.			DCBPGFXA	DCBBIT6 PAGE FIX APPENDAGE IS SPECIFIED (EXCP)
.... ..1.			DCBMRCRL	DCBBIT6 CNTRL (BSAM, QSAM)
.... ..1.			DCBMRCHK	DCBBIT6 CHECK (BISAM)
.... ..1.			DCBMRRDX	DCBBIT6 READ EXCLUSIVE (BDAM) RESERVED (BPAM, QISAM, QTAM, BTAM)
....1			DCBMRDMG	DCBBIT7 DATA MODE OF GET (QSAM)
....1			DCBMRCK	DCBBIT7 CHECK (BDAM) RESERVED (EXCP, BSAM, BPAM, BISAM, QISAM, QTAM, BTAM)
51	(33) BITSTRING	1	DCBMACR2	SECOND BYTE OF DCBMACR

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			DCBMRSTL	DCBBITO SETL (QISAM) ALWAYS ZERO (BSAM, QSAM, BPAM, BISAM, BDAM) RESERVED (EXCP, QTAM, BTAM)
.1..			DCBMRPUT	DCBBIT1 PUT (QSAM, TCAM) PUT OR PUTX (QISAM)
.1..			DCBMRGTQ	DCBBIT1 GET FOR MESSAGE GROUP (QTAM) ALWAYS ZERO (BSAM, BPAM, BISAM, BDAM) RESERVED (EXCP, BTAM)
..1.			DCBMRWRT	DCBBIT2 WRITE (BSAM, BPAM, BISAM, BDAM, BTAM)
..1.			DCBMRRDQ	DCBBIT2 READ FOR LINE GROUP (QTAM) ALWAYS ZERO (QSAM, QISAM) RESERVED (EXCP)
...1			DCBMRMVP	DCBBIT3 MOVE MODE OF PUT (QSAM, QISAM)
...1			DCBMRWRK	DCBBIT3 KEY SEGMENT WITH WRITE (BDAM) ALWAYS ZERO (BISAM) RESERVED (EXCP, BSAM, BPAM, QTAM, BTAM)
.... 1...			DCBMR5WD	DCBBIT4 FIVE-WORD DEVICE INTERFACE (EXCP)
.... 1...			DCBMRLDM	DCBBIT4 LOAD MODE BSAM (CREATE BDAM DATA SET) (BSAM)
.... 1...			DCBMRLCP	DCBBIT4 LOCATE MODE OF PUT (QSAM, QISAM)
.... 1...			DCBMRIDW	DCBBIT4 ID ARGUMENT WITH WRITE (BDAM) ALWAYS ZERO (BISAM) RESERVED (BPAM, QTAM,

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... .1..		DCBMR4WD	BTAM) DCBBIT5 FOUR-WORD DEVICE INTERFACE (EXCP)
	.... .1..		DCBMRPT2	DCBBIT5 POINT (WHICH IMPLIES NOTE) (BSAM, BPAM)
	.... .1..		DCBMRTMD	DCBBIT5 SUBSTITUTE MODE (QSAM)
	.... .1..		DCBMRUIP	DCBBIT5 UPDATE IN PLACE (PUTX) (QISAM) ALWAYS ZERO (BISAM) RESERVED (BDAM, QTAM, BTAM)
	.... ..1.		DCBMR3WD	DCBBIT6 THREE-WORD DEVICE INTERFACE (EXCP)
	.... ..1.		DCBMRCTL	DCBBIT6 CNTRL (BSAM, QSAM)
	.... ..1.		DCBMRSTK	DCBBIT6 SETL BY KEY (QISAM)
	.... ..1.		DCBMRAWR	DCBBIT6 ADD TYPE OF WRITE (BDAM) ALWAYS ZERO (BISAM) RESERVED (BPAM, QTAM, BTAM)
	1		DCBMR1WD	DCBBIT7 ONE-WORD DEVICE INTERFACE (EXCP)
	1		DCBMRSWA	DCBBIT7 USER'S PROGRAM HAS PROVIDED A SEGMENT WORK AREA POOL (BSAM CREATE BDAM, BDAM)
	1		DCBMRDMD	DCBBIT7 DATA MODE (QSAM)
	1		DCBMRSTI	DCBBIT7 SETL BY ID (QISAM) ALWAYS ZERO (BISAM) RESERVED (BPAM, QTAM, BTAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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FOUNDATION AFTER OPEN

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
40 (28)	SIGNED	2	DCBTIOT	OFFSET FROM TIOT ORIGIN TO TIOELNGH FIELD IN TIOT ENTRY FOR DD STATEMENT ASSOCIATED WITH THIS DCB
42 (2A)	BITSTRING	2	DCBMACRF	SAME AS DCBMACR BEFORE OPEN
42 (2A)	BITSTRING	1	DCBMACF1	FIRST BYTE OF DCBMACRF
43 (2B)	BITSTRING	1	DCBMACF2	SECOND BYTE OF DCBMACRF

| 44 (2C) | A-ADDRESS | 4 | DCBDEBAD | ADDRESS OF ASSOCIATED DEB |

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44 (2C)	BITSTRING	1	DCBIFLGS	SAME AS DCBIFLG BEFORE OPEN
	11..		DCBIFEC	DCBBIT0+DCBBIT1 ERROR CORRECTION INDICATOR
	..11		DCBIFPCT	DCBBIT2+DCBBIT3 PRINTER CARRIAGE TAPE PUNCH INDICATOR
	.... 11..		DCBIFIOE	DCBBIT4+DCBBIT5 IOS ERROR ROUTINE USE INDICATOR
45 (2D)	A-ADDRESS	3	DCBDEBA	ADDRESS OF ASSOCIATED DEB

| 48 (30) | A-ADDRESS | 4 | DCBREAD | ADDRESS OF READ MODULE |

| 48 (30) | A-ADDRESS | 4 | DCBWRITE | ADDRESS OF WRITE MODULE |

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48 (30)	BITSTRING	1	DCBOFLG	SAME AS DCBOFLGS BEFORE OPEN
49 (31)	A-ADDRESS	3	DCBREADA	ADDRESS OF READ MODULE
49 (31)	A-ADDRESS	3	DCBWRITA	ADDRESS OF WRITE MODULE

| 48 (30) | A-ADDRESS | 4 | DCBGET | ADDRESS OF GET MODULE |

| 48 (30) | A-ADDRESS | 4 | DCBPUT | ADDRESS OF PUT MODULE |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
48 (30)	BITSTRING	1	DCBOFLG1	SAME AS DCEOFLGS BEFORE OPEN
49 (31)	A-ADDRESS	3	DCBGETA	ADDRESS OF GET MODULE
49 (31)	A-ADDRESS	3	DCBPUTA	ADDRESS OF PUT MODULE

EXCP WITH APPENDAGES

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
52 (34)	BITSTRING	1		DCBOPTCD OPTION CODES
53 (35)	HEX	7		RESERVED

EXCP APPENDAGE LIST

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
60 (3C)	CHARACTER	2	DCBEOEA	END OF EXTENT APPENDAGE ID
62 (3E)	CHARACTER	2	DCBPCIA	PROGRAM CONTROLLED INTERRUPTION APPENDAGE ID
64 (40)	CHARACTER	2	DCBSIOA	START I/O APPENDAGE ID
66 (42)	CHARACTER	2	DCBCENDA	CHANNEL END APPENDAGE ID
68 (44)	CHARACTER	2	DCBXENDA	ABNORMAL END APPENDAGE ID
70 (46)	HEX	2		RESERVED

QSAM-BSAM-BPAM COMMON INTERFACE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
52 (34)	A-ADDRESS	4	DCBGERR	ADDRESS OF SYNCHRONIZING ROUTINE FOR GET
52 (34)	A-ADDRESS	4	DCBPERR	ADDRESS OF SYNCHRONIZING ROUTINE FOR PUT
52 (34)	A-ADDRESS	4	DCBCHECK	ADDRESS OF CHECK MODULE
52 (34)	BITSTRING	1	DCBOPTCD	OPTION CODES
	1...		DCBOPTW	DCBBIT0 WRITE VALIDITY CHECK (DASD) (BSAM, BPAM, QSAM, ISAM, BDAM)
	.1..		DCBOPTU	DCBBIT1 ALLOW DATA CHECK CAUSED BY INVALID CHARACTER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				(1403 PRINTER WITH UCS FEATURE) (BSAM, BPAM, QSAM)
...1.			DCBOPTC	DCBBIT2 CHAINED SCHEDULING USING PCI (BSAM, BPAM, QSAM)
...1			DCBOPTH	DCBBIT3 1287/1288 OPTICAL READER HOPPER EMPTY EXIT (BSAM, BPAM)
...1			DCBOPTO	DCBBIT3 1285/1287 OPTICAL READER ON-LINE CORRECTION (QSAM)
...1			DCBBCKPT	DCBBIT3 CHANNEL-END APPENDAGE IS TO BYPASS DOS EMBEDDED CHECKPOINT RECORDS ON TAPE (BSAM, QSAM)
.... 1...			DCBOPTQ	DCBBIT4 TRANSLATION TO OR FROM ASCII (BSAM, BPAM, QSAM)
.... .1..			DCBOPTZ	DCBBIT5 MAGNETIC TAPE DEVICES USE REDUCED ERROR RECOVERY PROCEDURE (EXCP, BSAM, BPAM, QSAM)
.... .1..			DCBSRCHD	DCBBIT5 USE SEARCH DIRECT, INSTEAD OF SEARCH PREVIOUS, ON RECORD POSITION SENSING DEVICE (EXCP, BSAM, BPAM, QSAM)
.... ..1.			DCBOPTT	DCBBIT6 USER TOTALING (BSAM, QSAM)
....1			DCBOPTJ	DCBBIT7 3800 PRINTER, OPTCD=J; (DYNAMIC SELECT OF TRANSLATE

DCB1

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				TABLES)
53	(35) A-ADDRESS	3	DCBGERRA	ADDRESS OF SYNCHRONIZING ROUTINE FOR GET
53	(35) A-ADDRESS	3	DCBPERRA	ADDRESS OF SYNCHRONIZING ROUTINE FOR PUT
53	(35) A-ADDRESS	3	DCBCHCKA	ADDRESS OF CHECK MODULE
56	(38) A-ADDRESS	4	DCBSYNAD	ADDRESS OF USER-PROVIDED SYNAD ROUTINE
56	(38) SIGNED	1	DCBIOBL	IOB LENGTH IN DOUBLE WORDS
57	(39) A-ADDRESS	3	DCBSYNA	ADDRESS OF USER-PROVIDED SYNAD ROUTINE
60	(3C) BITSTRING	1	DCBFLAG1	TCAM APPLICATION PROGRAM FLAGS (BSAM, BPAM, QSAM)
60	(3C) BITSTRING	1	DCBCIND1	CONDITION INDICATORS
	1...		DCBCNTOV	DCBBIT0 DIRECT ACCESS TRACK OVERFLOW IN USE (BSAM, BPAM, QSAM) 2540 CARD PUNCH DATA SET WAS OPENED BUT NO DATA WAS WRITTEN (QSAM)
	1...		DCBSTQCK	DCBBIT0 STOP EQUAL QUICK WAS SPECIFIED FOR APPLICATION PROG. DCBS (TCAM)
	.1..		DCBSTFLS	DCBBIT1 STOP EQUAL FLUSH WAS SPECIFIED FOR APPLICATION PROG. DCBS (TCAM)
	.1..		DCBCNSRD	DCBBIT1 SEARCH DIRECT (BSAM, BPAM, QSAM)
	..1.		DCBCNEVB	DCBBIT2 END OF VOLUME USED BY EOB ROUTINES (BSAM, BPAM, QSAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	...1		DCBCNEVA	DCBBIT3 END OF VOLUME USED BY CHANNEL-END APPENDAGE ROUTINES (BSAM, BPAM, QSAM)
	.... .1..		DCBCNBRM	DCBBIT5 BLOCKED RECORD BIT MODIFIED (BSAM,BPAM, QSAM)
	1		DCBCNEXB	DCBBIT7 EXCHANGE BUFFERING SUPPORTED (QSAM)
61	(3D) BITSTRING	1	DCBCIND2	CONDITION INDICATORS
	1...		DCBCNSTO	DCBBIT0 PARTITIONED DATA SET STOW HAS BEEN PERFORMED (BSAM, BPAM, QSAM) SEQUENTIAL DATA SET UPDATE (BSAM, BPAM)
	.1..		DCBCNWR0	DCBBIT1 DIRECT ORGANIZATION DATA SET LAST I/O WAS A WRITE RECORD ZERO (BSAM, BPAM, QSAM) SEQUENTIAL DATA SET UPDATE EOF IS INDICATED (BSAM, BPAM)
	..1.		DCBCNCLO	DCBBIT2 CLOSE IN PROCESS (QSAM)
	...1		DCBCNIOE	DCBBIT3 PERMANENT I/O ERROR (BSAM, BPAM, QSAM)
	.... 1...		DCBCNBFP	DCBBIT4 OPEN ACQUIRED BUFFER POOL (BSAM, BPAM, QSAM)
	.... .1..		DCBCNCHS	DCBBIT5 CHAINED SCHEDULING BEING SUPPORTED (BSAM, BPAM, QSAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
`.... ..1.`			DCBCNFEO	DCBBIT6 FEOV BIT (BSAM, BPAM, QSAM)
`.... ...1`			DCBCNQSM	DCBBIT7 ALWAYS ZERO (BSAM, BPAM) THIS IS A QSAM DCB (QSAM)
62	(3E) SIGNED	2	DCBBLKSI	MAXIMUM BLOCK SIZE
64	(40) A-ADDRESS	1	DCBWCPO	OFFSET OF WRITE CHANNEL PROGRAM FROM THE START OF IOB
65	(41) SIGNED	1	DCBWCPL	LENGTH OF WRITE CHANNEL PROGRAM
66	(42) A-ADDRESS	1	DCBOFFSR	OFFSET OF READ CCW FROM BSAM/BPAM PREFIX OF IOB
67	(43) A-ADDRESS	1	DCBOFFSW	OFFSET OF WRITE CCW FROM BSAM/BPAM PREFIX OF IOB
68	(44) A-ADDRESS	4	DCBIOBA	FOR NORMAL SCHEDULING, ADDRESS OF QSAM OR BSAM/BPAM PREFIX OF IOB. FOR CHAINED SCHEDULING, ADDRESS OF ICB. FOR 1419/1275, ADDRESS OF MAGNETIC INTERRUPT CONTROL BLOCK (MICB) CURRENTLY BEING PROCESSED BY READ ROUTINE. FOR TSO TERMINAL DATA SET OPENED FOR INPUT AND FORMAT U, SIMULATED LOW-ORDER FOUR BYTES OF IOBCSW
68	(44) A-ADDRESS	4	DCBCICB	SAME AS DCBCICBA BELOW
68	(44) HEX	1		DCBNCP (BSAM,BPAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
69 (45)	A-ADDRESS	3	DCBCICBA	POINTER TO JES C.I. CONTROL BLOCK (CICB)
80 (50)	SIGNED	2	DCBDIRCT	NUMBER OF BYTES USED IN LAST DIRECTORY BLOCK (RANGE 0-254) (BSAM, BPAM)
80 (50)	BITSTRING	1	DCBQSWS	FLAG BYTE
.... .1..			DCBPOPEN	DCBBIT5 QSAM PARALLEL INPUT PROCESSING
80 (50)	BITSTRING	1	DCBUSASI	FLAG BYTE FOR ASCII TAPES
.1..			DCBBLBP	DCBBIT1 BLOCK PREFIX IS FOUR BYTE FIELD CONTAINING BLOCK LENGTH IN UNPACKED DECIMAL (SPECIFIED BY BUFFER=L).
..11 1...			DCBQADFS	DCBBIT2+DCBBIT3 +DCBBIT4 USED TO PERFORM SEQUENCE CHECKING WITH MULTIPLE FUNCTION SUPPORT FOR 3525 (BSAM, QSAM)
..1.			DCBQADF1	DCBBIT2 FIRST BIT OF DCBQADFS
...1			DCBQADF2	DCBBIT3 SECOND BIT OF DCBQADFS
.... 1...			DCBQADF3	DCBBIT4 THIRD BIT OF DCBQADFS
.... ..1.			DCB3525A	DCBBIT6 DCB IS 3525 ASSOCIATED DATA SETS EXIST
....1			DCBQSTRU	DCBBIT7 TRUNC ENTRY POINT ENTERED (QSAM)
81 (51)	SIGNED	1	DCBBUFOF	BLOCK PREFIX LENGTH (0-99), SPECIFIED BY BUFOFF=N OR BUFOFF=L
81 (51)	SIGNED	1	DCBDIRCQ	NUMBER OF BYTES USED IN LAST DIRECTORY BLOCK (RANGE 0-254) (QSAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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BSAM-BPAM INTERFACE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
72 (48)	A-ADDRESS	4	DCBEOBR	ADDRESS OF END-OF-BLOCK MODULE FOR READ

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
72 (48)	SIGNED	1	DCBNCP	NUMBER OF CHANNEL PROGRAMS. NUMBER OF READ OR WRITE REQUESTS WHICH MAY BE ISSUED PRIOR TO A CHECK. NUMBER OF IOB'S GENERATED. (99 MAXIMUM)
73 (49)	A-ADDRESS	3	DCBEOBRA	ADDRESS OF END-OF-BLOCK MODULE FOR READ

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
76 (4C)	A-ADDRESS	4	DCBEOBW	ADDRESS OF END-OF-BLOCK MODULE FOR WRITE. FOR BSAM CREATE BDAM PROCESSING OF UNBLOCKED SPANNED RECORDS WITH BKTEK=R SPECIFIED, ADDRESS OF SEGMENT WORK AREA CONTROL BLOCK

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
80 (50)	SIGNED	2		DCBDIRCT NUMBER OF BYTES USED IN LAST DIRECTORY BLOCK (RANGE 0-254)
82 (52)	SIGNED	2	DCBLRECL	LOGICAL RECORD LENGTH

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
84 (54)	A-ADDRESS	4	DCBCNTRL	ADDRESS OF CNTRL MODULE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
84 (54)	A-ADDRESS	4	DCBNOTE	ADDRESS OF NOTE/POINT MODULE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
84 (54)	A-ADDRESS	4	DCBPOINT	ADDRESS OF NOTE/POINT MODULE

DCB1

DCB1

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

QSAM INTERFACE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
72 (48)	A-ADDRESS	4	DCBLCCW	FOR EXCHANGE BUFFERING, ADDRESS OF LAST CCW IN LIST
72 (48)	A-ADDRESS	4	DCBEOBAD	FOR SIMPLE BUFFERING, ADDRESS OF LAST BYTE OF CURRENT BUFFER
76 (4C)	A-ADDRESS	4	DCBCCCW	FOR EXCHANGE BUFFERING, ADDRESS OF CURRENT OR NEXT CCW
76 (4C)	A-ADDRESS	4	DCBRECAD	ADDRESS OF CURRENT OR NEXT LOGICAL RECORD
76 (4C)	BITSTRING 1111	1	DCBRECBT DCBRCREL	FLAG BYTE DCBBIT0+DCBBIT1 +DCBBIT2+DCBBIT3 RELSE MACRO HAS BEEN ISSUED (QSAM WITH SIMPLE BUFFERING)
	1...		DCBRCTRU	DCBBIT0 TRUNC MACRO HAS BEEN ISSUED (QSAM LOCATE MODE)
	.1..		DCBRCFGT	DCBBIT1 FIRST GET AFTER OPEN (QSAM LOCATE MODE)
77 (4D)	A-ADDRESS	3	DCBRECA	ADDRESS OF CURRENT OR NEXT LOGICAL RECORD
80 (50)	BITSTRING	1		DCBQSWS FLAG BYTE
81 (51)	SIGNED	1		DCBDIRCQ NUMBER OF BYTES USED IN LAST DIRECTORY BLOCK (RANGE 0-254)
82 (52)	SIGNED	2		DCBLRECL LOGICAL RECORD LENGTH

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
84 (54)	A-ADDRESS	4		DCBCNTRL ADDRESS OF CNTRL MODULE
84 (54)	BITSTRING	1	DCBEROPT	ERROR OPTION
	1...		DCBERACC	DCBBIT0 ACCEPT PERMANENT ERROR
	.1..		DCBERSKP	DCBBIT1 SKIP PERMANENT ERROR
	..1.		DCBERABE	DCBBIT2 ABNORMAL END OF TASK
85 (55)	A-ADDRESS	3		DCBCNTRA ADDRESS OF CNTRL MODULE
88 (58)	HEX	2		RESERVED
90 (5A)	SIGNED	2	DCBPRECL	FORMAT F RECORDS: BLOCK LENGTH FORMAT U RECORDS: MAXIMUM BLOCK LENGTH FORMAT V RECORDS: UNSPANNED RECORDS: MAXIMUM BLOCK LENGTH SPANNED RECORDS: PUT, NOT DATA MODE: MAXIMUM BOLCK LENGTH PUT, DATA MODE: DATA LENGTH GET: SEGMENT CONTROL CODE OF PREVIOUS SEGMENT
92 (5C)	A-ADDRESS	4	DCBEOB	ADDRESS OF END OF BLOCK MODULE

CROSS REFERENCE

DCBACBM	27 X'08'		DCBDSGDA	26 X'20'
DCBAPPIN	18 (12)		DCBDSGGS	27 X'80'
DCBBCKPT	52 X'10'		DCBDSGIS	26 X'80'
DCBBFA	32 X'03'		DCBDSGPO	26 X'02'
DCBBFAD	32 X'02'		DCBDSGPS	26 X'40'
DCBBFAF1	32 X'01'		DCBDSGTQ	27 X'20'
DCBBFAF2	32 X'03'		DCBDSGTR	27 X'04'
DCBBFALN	32 (20)		DCBDSGTX	27 X'40'
DCBBFT	32 X'70'		DCBDSGU	26 X'01'
DCBBFTA	32 X'60'		DCBDSORG	26 (1A)
DCDDFTE	32 X'10'		DCBDSPLA	9 (9)
DCBBFTEK	32 (20)		DCBDSPLY	8 (8)
DCBBFTKD	32 X'08'		DCBDSRG1	26 (1A)
DCBBFTKR	32 X'20'		DCBDSRG2	27 (1B)
DCDBFTR	32 X'20'		DCBDVCPR	17 X'45'
DCBBFTS	32 X'40'		DCBDVCPO	17 X'42'
DCBBITO	0 X'80'		DCBDVCP1	17 X'4C'
DCBBIT1	0 X'40'		DCBDVCRP	17 X'43'
DCBBIT2	0 X'20'		DCBDVCRO	17 X'41'
DCBBIT3	0 X'10'		DCBDVCR1	17 X'44'
DCBBIT4	0 X'08'		DCBDVCR2	17 X'46'
DCBBIT5	0 X'04'		DCBDVDRI	17 X'59'
DCBBIT6	0 X'02'		DCBDVMR	17 X'5D'
DCBBIT7	0 X'01'		DCBDVMRS	17 X'56'
DCBBLBP	80 X'40'		DCBDVMT	17 X'81'
DCBBLKCT	12 (C)		DCBDVMT1	17 X'83'
DCBBLKSI	62 (3E)		DCBDVORS	17 X'5F'
DCBBUFCA	21 (15)		DCBDVOR5	17 X'5A'
DCBBUFCB	20 (14)		DCBDVOR7	17 X'5B'
DCBBUFL	24 (18)		DCBDVOR8	17 X'5C'
DCBBUFNO	20 (14)		DCBDVOR9	17 X'57'
DCBBUFOF	81 (51)		DCBDVPR1	17 X'48'
DCBCCCW	76 (4C)		DCBDVPR2	17 X'4A'
DCBCENDA	66 (42)		DCBDVPR3	17 X'49'
DCBCHCKA	53 (35)		DCBDVPR5	17 X'4E'
DCBCHECK	52 (34)		DCBDVPTP	17 X'50'
DCBCICB	68 (44)		DCBDVTBA	13 (D)
DCBCICBA	69 (45)		DCBDVTBL	12 (C)
DCBCIND1	60 (3C)		DCBDVTRM	17 X'4F'
DCBCIND2	61 (3D)		DCBDV301	17 X'22'
DCBCNBFP	61 X'08'		DCBDV302	17 X'24'
DCBCNBRM	60 X'04'		DCBDV303	17 X'23'
DCBCNCHS	61 X'04'		DCBDV305	17 X'27'
DCBCNCLO	61 X'20'		DCBDV314	17 X'28'
DCBCNEVA	60 X'10'		DCBDV330	17 X'29'
DCBCNEVB	60 X'20'		DCBECBLA	13 (D)
DCBCNEXB	60 X'01'		DCBECBLT	12 (C)
DCBCNFEO	61 X'02'		DCBEIB	18 (12)
DCBCNIOE	61 X'10'		DCBEOB	92 (5C)
DCBCNQSM	61 X'01'		DCBEOBAD	72 (48)
DCBCNSRD	60 X'40'		DCBEOBR	72 (48)
DCBCNSTO	61 X'80'		DCBEOBRA	73 (49)
DCBCNTOV	60 X'80'		DCBEOBW	76 (4C)
DCBCNTRL	84 (54)		DCBEODA	33 (21)
DCBCNWRO	61 X'40'		DCBEODAD	32 (20)
DCBCODE	16 (10)		DCBEOEA	60 (3C)
DCBDDNAM	40 (28)		DCBEOPFG	6 X'80'
DCBDEBA	45 (2D)		DCBERABE	84 X'20'
DCBDEBAD	44 (2C)		DCBERACC	84 X'80'
DCBDEN	18 (12)		DCBEROPT	84 (54)
DCBDEVT	17 (11)		DCBERRCA	5 (5)
DCBDIRCQ	81 (51)		DCBERRCN	4 (4)
DCBDIRCT	80 (50)		DCBERSKP	84 X'40'
DCBDSGCX	26 X'10'		DCBEX	49 X'40'

DCBEXLSA	37 (25)	DCBMODER	16 X'10'
DCBEXLST	36 (24)	DCBMRABC	50 X'04'
DCBFDAD	5 (5)	DCBMRAPG	50 X'20'
DCBFLAG1	60 (3C)	DCBMRAWR	51 X'02'
DCBFNCBD	19 X'08'	DCBMRBCT	8 X'C0'
DCBFNCBI	19 X'80'	DCBMRCHK	50 X'02'
DCBFNCBP	19 X'20'	DCBMRCI	50 X'10'
DCBFNCBR	19 X'40'	DCBMRCK	50 X'01'
DCBFNCBT	19 X'02'	DCBMRCRL	50 X'02'
DCBFNCBW	19 X'10'	DCBMRCTL	51 X'02'
DCBFNCBX	19 X'04'	DCBMRDBF	50 X'04'
DCBFRID	8 (8)	DCBMRDBG	16 X'40'
DCBFRTBA	12 (C)	DCBMRDCT	12 X'E0'
DCBFUNC	19 (13)	DCBMRDMD	51 X'01'
DCBGERR	52 (34)	DCBMRDMG	50 X'01'
DCBGERRA	53 (35)	DCBMRDR	16 X'10'
DCBGET	48 (30)	DCBMRDRU	16 X'20'
DCBGETA	49 (31)	DCBMRDWT	16 X'02'
DCBHDR	12 (C)	DCBMRECP	50 X'80'
DCBHIARC	32 (20)	DCBMRERP	12 X'02'
DCBHO	32 X'04'	DCBMRERS	12 X'01'
DCBH1	32 X'80'	DCBMRFE	50 X'40'
DCBIBEC	49 X'C0'	DCBMRFG	8 (8)
DCBIBIOE	49 X'0C'	DCBMRFLG	16 (10)
DCBIBPCT	49 X'30'	DCBMRGET	50 X'40'
DCBIFC12	49 X'10'	DCBMRGTQ	51 X'40'
DCBIFC9	49 X'20'	DCBMRIDW	51 X'08'
DCBIFEC	44 X'C0'	DCBMRIND	12 (C)
DCBIFER	49 X'00'	DCBMRLCG	50 X'08'
DCBIFIOE	44 X'0C'	DCBMRLCP	51 X'08'
DCBIFLG	49 (31)	DCBMRLDM	51 X'08'
DCBIFLGS	44 (2C)	DCBMRMVG	50 X'10'
DCBIFNEP	49 X'00'	DCBMRMVP	51 X'10'
DCBIFNE1	49 X'04'	DCBMRPCC	16 X'0C'
DCBIFNE2	49 X'08'	DCBMRPLO	12 X'08'
DCBIFNE3	49 X'0C'	DCBMRPLS	12 X'04'
DCBIFPCT	44 X'30'	DCBMRPTQ	50 X'40'
DCBIFPEC	49 X'C0'	DCBMRPT1	50 X'04'
DCBIFTIM	49 X'04'	DCBMRPT2	51 X'04'
DCBIMAGA	9 (9)	DCBMRPUT	51 X'40'
DCBIMAGE	8 (8)	DCBMRRD	50 X'20'
DCBIMG	4 (4)	DCBMRRDI	50 X'08'
DCBIOBA	68 (44)	DCBMRRDK	50 X'10'
DCBIOBAA	29 (1D)	DCBMRRDQ	51 X'20'
DCBIOBAD	28 (1C)	DCBMRRDX	50 X'02'
DCBIOBL	56 (38)	DCBMRSBG	50 X'04'
DCBKEYCN	4 (4)	DCBMRSCC	16 X'80'
DCBKEYLE	16 (10)	DCBMRSCU	12 X'10'
DCBLCCW	72 (48)	DCBMRSTI	51 X'01'
DCBLCTBL	8 (8)	DCBMRSTK	51 X'02'
DCBLFMAT	5 (5)	DCBMRSTL	51 X'80'
DCBLNNUM	4 (4)	DCBMRSWA	51 X'01'
DCBLNP	28 (1C)	DCBMRTMD	51 X'04'
DCBLRECL	82 (52)	DCBMRUE	16 X'01'
DCBMACF1	42 (2A)	DCBMRUIP	51 X'04'
DCBMACF2	43 (2B)	DCBMRWRK	51 X'10'
DCBMACR	50 (32)	DCBMRWRQ	50 X'20'
DCBMACRF	42 (2A)	DCBMRWRT	51 X'20'
DCBMACR1	50 (32)	DCBMR1WD	51 X'01'
DCBMACR2	51 (33)	DCBMR3WD	51 X'02'
DCBMODE	16 (10)	DCBMR4WD	51 X'04'
DCBMODEC	16 X'80'	DCBMR5WD	51 X'08'
DCBMODEE	16 X'40'	DCBMTC	16 X'13'
DCBMODEO	16 X'20'	DCBMTDNO	18 X'03'

CROSS REFERENCE

DCBHTDN1	18 X'43'	DCBPTCDA	16 X'04'
DCBHTDN2	18 X'83'	DCBPTCDB	16 X'10'
DCBHTDN3	18 X'C3'	DCBPTCDC	16 X'08'
DCBHTDN4	18 X'D3'	DCBPTCDF	16 X'20'
DCBHTE	16 X'23'	DCBPTCDI	16 X'40'
DCBHTET	16 X'2B'	DCBPTCDN	16 X'80'
DCBHTT	16 X'3B'	DCBPTCDT	16 X'02'
DCBNCP	72 (48)	DCBPTECR	19 X'04'
DCBNOTE	84 (54)	DCBPTECT	19 X'08'
DCBNUPD	28 X'30'	DCBPTERR	19 X'01'
DCBODEB	28 (1C)	DCBPTFLG	19 (13)
DCBODEBA	29 (1D)	DCBPTIC	19 X'10'
DCBOFEOV	48 X'20'	DCBPTUCT	19 X'02'
DCBOFFSR	66 (42)	DCBPUT	48 (30)
DCBOFFSW	67 (43)	DCBPUTA	49 (31)
DCBOFIOD	48 X'80'	DCBQADFS	80 X'38'
DCBOFIOF	48 X'01'	DCBQADF1	80 X'20'
DCBOFLG	48 (30)	DCBQADF2	80 X'10'
DCBOFLGS	48 (30)	DCBQADF3	80 X'08'
DCBOFLG1	48 (30)	DCBQSLM	28 (1C)
DCBOFLRB	48 X'40'	DCBQSMEX	0 (0)
DCBOFLWR	48 X'80'	DCBQSTRU	80 X'01'
DCBOFOPN	48 X'10'	DCBQSWS	80 (50)
DCBOFPPC	48 X'08'	DCBRCFGT	76 X'40'
DCBOFTM	48 X'04'	DCBRCREL	76 X'F0'
DCBOFUEX	48 X'02'	DCBRCTRU	76 X'80'
DCBOPTC	52 X'20'	DCBRDLNA	13 (D)
DCBOPTCD	52 (34)	DCBRDLNE	12 (C)
DCBOPTH	52 X'10'	DCBREAD	48 (30)
DCBOPTJ	52 X'01'	DCBREADA	49 (31)
DCBOPTO	52 X'10'	DCBRECA	77 (4D)
DCBOPTQ	52 X'08'	DCBRECAD	76 (4C)
DCBOPTT	52 X'02'	DCBRECBR	36 X'10'
DCBOPTU	52 X'40'	DCBRECBT	76 (4C)
DCBOPTW	52 X'80'	DCBRECC	36 X'00'
DCBOPTZ	52 X'04'	DCBRECCA	36 X'04'
DCBORBFP	16 X'20'	DCBRECCC	36 X'06'
DCBORBYT	16 (10)	DCBRECCM	36 X'02'
DCBORDCK	18 X'01'	DCBRECD	36 X'20'
DCBORECK	18 X'08'	DCBRECF	36 X'80'
DCBOREOF	16 X'40'	DCBRECFM	36 (24)
DCBORERR	18 X'10'	DCBRECKL	36 X'01'
DCBORFLG	6 (6)	DCBRECL	36 X'C0'
DCBORHPR	18 X'02'	DCBRECLA	36 X'E0'
DCBORNRM	18 X'40'	DCBRECSB	36 X'08'
DCBORREJ	18 X'20'	DCBRECTO	36 X'20'
DCBORSYN	16 X'80'	DCBRECU	36 X'C0'
DCBORWLR	18 X'04'	DCBRECV	36 X'40'
DCBPCIA	62 (3E)	DCBREL	17 (11)
DCBPERR	52 (34)	DCBRELAD	0 (0)
DCBPERRA	53 (35)	DCBRELB	16 (10)
DCBPGFXA	50 X'02'	DCBRESCA	13 (D)
DCBPOINT	84 (54)	DCBRESCN	12 (C)
DCBPOPEN	80 X'04'	DCBSIOA	64 (40)
DCBPRBYT	19 (13)	DCBSRCHD	52 X'04'
DCBPRC12	18 X'10'	DCBSSAD	4 (4)
DCBPRC9	18 X'20'	DCBSSADA	5 (5)
DCBPRECL	90 (5A)	DCBSSID	0 (0)
DCBPRSP0	16 X'01'	DCBSTACK	16 (10)
DCBPRSP1	16 X'09'	DCBSTCK1	16 X'01'
DCBPRSP2	16 X'11'	DCBSTCK2	16 X'02'
DCBPRSP3	16 X'19'	DCBSTFLS	60 X'40'
DCBPRTOV	18 (12)	DCBSTQCK	60 X'80'
DCBPRTSP	16 (10)	DCBSVCXA	29 (1D)

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DCBSVCXL    28 (1C)
DCBSVDEB    28 X'10'
DCBSYNA     57 (39)
DCBSYNAD    56 (38)
DCBTIOT     40 (28)
DCBTRBAL    18 (12)
DCBTRCID    19 X'03'
DCBTRTCH    16 (10)
DCBUPDBT    28 X'30'
DCBUPDCM    28 X'40'
DCBUPDT     28 X'20'
DCBUSASI    80 (50)
DCBWCPL     65 (41)
DCBWCPO     64 (40)
DCBWRITA    49 (31)
DCBWRITE    48 (30)
DCBWTOIA     1  (1)
DCBWTOID     0  (0)
DCBXENDA    68 (44)
DCB1DVDS    28 X'80'
DCB3525A    80 X'02'
IHADCB       0  (0)
```

DCB2

Common Name: Data Control Block (ISAM)
Macro ID: DCBD
DSECT Name: IHADCB
Created by: Problem program
Subpool and Key: Problem program subpool and key
Size: 104 bytes
Pointed to by: DEBDCBAD field of the DEB data area
                IOBDCBPT field of the IOB data area
                CVTLINKT field of the CVT data area
                (LINKLIB DCB)
                CVTSVDCB field of the CVT data area (SVCLIB
                DCB)
                CVTDCB field of the CVT data area (LOGREC
                DCB)
                JSCBDCB field of the JSCB data area (job
                scheduler DCB)
                LWAPDCB field of the LWA data area (UADS
                DCB)
                SMCAPDCB field of the SMCA data area
                (current SMF DCB)
                SMCAADCB field of the SMCA data area
                (non-current SMF DCB)
                TCBJLB field of the TCB data area (JOBLIB
                DCB)

Serialization: None - DEB validity check ensures DCB2
contents.
Function: This data control block (DCB) is used by the
indexed sequential access method (ISAM) routines and holds
data pertinent to the use of a data set that is maintained
by the ISAM routines. The common interface and sections
serve the same purpose in all DCBs although the formats
may vary slightly for different access method routines.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	IHADCB	, DCBPTR
	1...		DCBBIT0	128
	.1..		DCBBIT1	64
	..1.		DCBBIT2	32
	...1		DCBBIT3	16
	.... 1...		DCBBIT4	8
	.... .1..		DCBBIT5	4
	.... ..1.		DCBBIT6	2
	1		DCBBIT7	1
16	(10) SIGNED	4	DCBRELB	SAME AS DCBREL BELOW
16	(10) SIGNED	1	DCBKEYLE	KEY LENGTH OF DATA SET
17	(11) CHARACTER	1	DCBDEVT	DEVICE TYPE
	.1.. 1111		DCBDVTRM	X'4F' TERMINAL. (DD CONTAINS TERM=TS)
17	(11) SIGNED	3	DCBREL	NUMBER OF RELATIVE TRACKS OR BLOCKS IN THIS DATA SET (BDAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
20	(14) A-ADDRESS	4	DCBBUFCB	ADDRESS OF BUFFER POOL CONTROL BLOCK

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
20	(14) SIGNED	1	DCBBUFNO	NUMBER OF BUFFERS REQUIRED FOR THIS DATA SET. MAY RANGE FROM 0 TO 255. IF UNBLOCKED SPANNED RECORDS ARE USED, NUMBER OF SEGMENT WORK AREAS REQUIRED FOR THIS DATA SET.
21	(15) A-ADDRESS	3	DCBBUFCA	ADDRESS OF BUFFER POOL CONTROL BLOCK

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
24	(18) SIGNED	2	DCBBUFL	LENGTH OF BUFFER. MAY RANGE FROM 0 TO 32,767.
26	(1A) BITSTRING	2	DCBDSORG	DATA SET ORGANIZATION BEING USED
26	(1A) BITSTRING	1	DCBDSRG1	FIRST BYTE OF DCBDSORG
	1...		DCBDSGIS	DCBBIT0 IS INDEXED SEQUENTIAL ORGANIZATION
	.1..		DCBDSGPS	DCBBIT1 PS PHYSICAL SEQUENTIAL ORGANIZATION
	..1.		DCBDSGDA	DCBBIT2 DA DIRECT ORGANIZATION
	...1		DCBDSGCX	DCBBIT3 CX BTAM OR QTAM LINE GROUP
	.... ..1.		DCBDSGPO	DCBBIT6 PO PARTITIONED ORGANIZATION
	1		DCBDSGU	DCBBIT7 U UNMOVABLE, THE DATA CONTAINS LOCATION DEPENDENT INFORMATION
27	(1B) BITSTRING	1	DCBDSRG2	SECOND BYTE OF DCBDSORG
	1...		DCBDSGGS	DCBBIT0 GS GRAPHICS ORGANIZATION
	.1..		DCBDSGTX	DCBBIT1 TX TCAM LINE GROUP

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			DCBDSGTQ	DCBBIT2 TQ TCAM MESSAGE QUEUE
.... 1...			DCBACBM	DCBBIT4 ACCESS METHOD CONTROL BLOCK
.... .1..			DCBDSGTR	DCBBIT5 TR TCAM 3705

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
28 (1C)	A-ADDRESS	4	DCBIOBAD	ADDRESS OF IOB WHEN CHAINED SCHEDULING IS USED OR FOR 1419/1275

| 28 (1C) | A-ADDRESS | 4 | DCBODEB | ADDRESS OF OLD DEB |

| 28 (1C) | SIGNED | 1 | DCBLNP | 3525 PRINTER LINE POSITION COUNTER |

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28 (1C)	BITSTRING	1	DCBQSLM	QSAM LOCATE MODE LOGICAL RECORD INTERFACE INDICATOR BYTE FOR UPDAT PROCESSING OF SPANNED RECORDS
1...			DCB1DVDS	DCBBIT0 ONLY ONE DEVICE IS ALLOCATED TO THIS DATA SET
.1..			DCBUPDCM	DCBBIT1 UPDATE COMPLETE, FREE OLD DEB
..11			DCBUPDBT	DCBBIT2+DCBBIT3 UPDATE BITS
..1.			DCBUPDT	DCBBIT2 UPDATE TO TAKE PLACE
..11			DCBNUPD	DCBBIT2+DCBBIT3 NO UPDATE TO TAKE PLACE
...1			DCBSVDEB	DCBBIT3 OLD DEB ADDRESS MUST BE SAVED
29 (1D)	A-ADDRESS	3	DCBIOBAA	SAME AS DCBIOBAD ABOVE
29 (1D)	A-ADDRESS	3	DCBODEBA	ADDRESS OF OLD DEB

| 28 (1C) | A-ADDRESS | 4 | DCBSVCXL | SAME AS DCBSVCXA BELOW |

| 28 (1C) | HEX | 1 | | RESERVED |
| 29 (1D) | A-ADDRESS | 3 | DCBSVCXA | POINTER TO EXIT LIST OF JES C.I. INTERFACE CONTROL SVC |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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FOUNDATION EXTENSION

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
32 (20)	A-ADDRESS	4	DCBEODAD	SAME AS DCBEODA BELOW
32 (20)	BITSTRING	1	DCBHIARC	HIERARCHY BITS
32 (20)	BITSTRING	1	DCBBFTEK	BUFFERING TECHNIQUE BITS
32 (20)	BITSTRING	1	DCBBFALN	BUFFER ALIGNMENT BITS
	1...		DCBBH1	DCBBITO HIERARCHY 1 MAIN STORAGE BIT 5 IS ZERO
	.111		DCBBFT	DCBBIT1+DCBBIT2 +DCBBIT3 BUFFERING TECHNIQUE
	.11.		DCBBFTA	DCBBIT1+DCBBIT2 QSAM LOCATE MODE PROCESSING OF SPANNED RECORDS OPEN IS TO CONSTRUCT A RECORD AREA IF IT AUTOMATICALLY CONSTRUCTS BUFFERS
	..1.		DCBBFTR	DCBBIT2 FOR BSAM CREATE BDAM PROCESSING OF UNBLOCKED SPANNED RECORDS SOFTWARE TRACK OVERFLOW. FOR BSAM INPUT PROCESSING OF UNBLOCKED SPANNED RECORDS WITH KEYS RECORD OFFSET PROCESSING.
	.1..		DCBBFTS	DCBBIT1 SIMPLE BUFFERING BIT 3 IS ZERO
	..1.		DCBBFTKR	DCBBIT2 UNBLOCKED SPANNED RECORDS SOFTWARE TRACK OVERFLOW (BDAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
...1			DCBBFTE	DCBBIT3 EXCHANGE BUFFERING BIT 1 IS ZERO
.... 1...			DCBBFTKD	DCBBIT4 DYNAMIC BUFFERING (BTAM)
.... .1..			DCBHO	DCBBIT5 HIERARCHY O MAIN STORAGE BIT 0 IS ZERO
.... ..11			DCBBFA	DCBBIT6+DCBBIT7 BUFFER ALIGNMENT
.... ..1.			DCBBFAD	DCBBIT6 DOUBLEWORD BOUNDARY
....1			DCBBFAF1	DCBBIT7 FULLWORD NOT A DOUBLEWORD BOUNDARY, CODED IN DCB MACRO INSTRUCTION
.... ..11			DCBBFAF2	DCBBIT6+DCBBIT7 FULLWORD NOT A DOUBLEWORD BOUNDARY, CODED IN DCB MACRO INSTRUCTION
33 (21)	A-ADDRESS	3	DCBEODA	ADDRESS OF A USER-PROVIDED ROUTINE TO HANDLE END-OF-DATA CONDITIONS
36 (24)	A-ADDRESS	4	DCBEXLST	ADDRESS OF USER-PROVIDED LIST OF EXITS
36 (24)	BITSTRING	1	DCBRECFM	RECORD FORMAT
111.			DCBRECLA	DCBBIT0+DCBBIT1 +DCBBIT2 RECORD LENGTH INDICATOR ASCII
..1.			DCBRECD	DCBBIT2 ASCII VARIABLE RECORD LENGTH
11..			DCBRECL	DCBBIT0+DCBBIT1 RECORD LENGTH INDICATOR
1...			DCBRECF	DCBBIT0 FIXED RECORD LENGTH
.1..			DCBRECV	DCBBIT1 VARIABLE RECORD LENGTH
11..			DCBRECU	DCBBIT0+DCBBIT1 UNDEFINED RECORD LENGTH

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			DCBRECTO	DCBBIT2 TRACK OVERFLOW
...1			DCBRECBR	DCBBIT3 BLOCKED RECORDS
.... 1...			DCBRECSB	DCBBIT4 FOR FIXED LENGTH RECORD FORMAT STANDARD BLOCKS. FOR VARIABLE LENGTH RECORD FORMAT SPANNED RECORDS
.... .11.			DCBRECCC	DCBBIT5+DCBBIT6 CONTROL CHARACTER INDICATOR
.... .1..			DCBRECCA	DCBBIT5 ASA CONTROL CHARACTER
.... ..1.			DCBRECCM	DCBBIT6 MACHINE CONTROL CHARACTER
....			DCBRECC	X'00' NO CONTROL CHARACTER
....1			DCBRECKL	DCBBIT7 KEY LENGTH (KEYLEN) WAS SPECIFIED IN DCB MACRO INSTRUCTION
37	(25) A-ADDRESS	3	DCBEXLSA	ADDRESS OF USER-PROVIDED LIST OF EXITS

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FOUNDATION BEFORE OPEN

| 40 | (28) CHARACTER | 8 | DCBDDNAM | NAME ON THE DD STATEMENT WHICH DEFINES THE DATA SET ASSOCIATED WITH THIS DCB |

48	(30) BITSTRING	1	DCBOFLGS	FLAGS USED BY OPEN ROUTINE
1...			DCBOFLWR	DCBBIT0 IF ZERO, LAST I/O OPERATION WAS READ OR POINT. IF ONE, LAST I/O OPERATION WAS WRITE.
1...			DCBOFIOD	DCBBIT0 DATA SET IS BEING OPENED FOR INPUT OR OUTPUT (BDAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.1..			DCBOFLRB	DCBBIT1 LAST I/O OPERATION WAS IN READ BACKWARD MODE
..1.			DCBOFEOV	DCBBIT2 SET TO 1 BY EOV WHEN IT CALLS CLOSE ROUTINE FOR CONCATENATION OF DATA SETS WITH UNLIKE ATTRIBUTES
...1			DCBOFOPN	DCBBIT3 AN OPEN HAS BEEN SUCCESSFULLY COMPLETED
.... 1...			DCBOFPPC	DCBBIT4 SET TO 1 BY PROBLEM PROGRAM TO INDICATE A CONCATENATION OF UNLIKE ATTRIBUTES
.... .1..			DCBOFTM	DCBBIT5 TAPE MARK HAS BEEN READ
.... ..1.			DCBOFUEX	DCBBIT6 SET TO 0 BY AN I/O SUPPORT FUNCTION WHEN THAT FUNCTION TAKES A USER EXIT. SET TO 1 ON RETURN FROM USER EXIT TO THE I/O SUPPORT FUNCTION WHICH TOOK THE EXIT.
....1			DCBOFIOF	DCBBIT7 SET TO 1 BY AN I/O SUPPORT FUNCTION IF DCB IS TO BE PROCESSED BY THAT FUNCTION
49 (31)	BITSTRING	1	DCBIFLG	FLAGS USED BY IOS IN COMMUNICATING ERROR CONDITIONS AND IN DETERMINING CORRECTIVE PROCEDURES
11..			DCBIBEC	DCBBIT0+DCBBIT1 ERROR CORRECTION INDICATOR
....			DCBIFNEP	X'00' NOT IN ERROR PROCEDURE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.1..			DCBEX	DCBBIT1 ERROR CORRECTION OR IOS PAGE FIX IN PROCESS
11..			DCBIFPEC	DCBBIT0+DCBBIT1 PERMANENT ERROR CORRECTION
..11			DCBIBPCT	DCBBIT2+DCBBIT3 PRINTER CARRIAGE TAPE PUNCH INDICATOR
..1.			DCBIFC9	DCBBIT2 CHANNEL 9 PRINTER CARRIAGE TAPE PUNCH SENSED
...1			DCBIFC12	DCBBIT3 CHANNEL 12 PRINTER CARRIAGE TAPE PUNCH SENSED
.... 11..			DCBIBIOE	DCBBIT4+DCBBIT5 IOS ERROR ROUTINE USE INDICATOR
....			DCBIFER	X'00' ALWAYS USE I/O SUPERVISOR ERROR ROUTINE
.... .1..			DCBIFNE1	DCBBIT5 NEVER USE I/O SUPERVISOR ERROR ROUTINE
.... .1..			DCBIFTIM	DCBBIT5 TEST IOS MASK (IMSK) FOR ERROR PROCEDURE (BTAM)
.... 1...			DCBIFNE2	DCBBIT4 NEVER USE I/O SUPERVISOR ERROR ROUTINE
.... 11..			DCBIFNE3	DCBBIT4+DCBBIT5 NEVER USE I/O SUPERVISOR ERROR ROUTINE
50 (32)	BITSTRING	2	DCBMACR	MACRO INSTRUCTION REFERENCE
50 (32)	BITSTRING	1	DCBMACR1	FIRST BYTE OF DCBMACR
1...			DCBMRECP	DCBBIT0 EXECUTE CHANNEL PROGRAM (EXCP) ALWAYS ZERO (BSAM, QSAM, BPAM, BISAM, QISAM, BDAM) RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.1..		DCBMRFE	(QTAM, BTAM) DCBBIT1 FOUNDATION EXTENSION IS PRESENT (EXCP)
	.1..		DCBMRGET	DCBBIT1 GET (QSAM, QISAM, TCAM)
	.1..		DCBMRPTQ	DCBBIT1 PUT FOR MESSAGE GROUP (QTAM) ALWAYS ZERO (BSAM, BPAM, BISAM, BDAM) RESERVED (BTAM)
	..1.		DCBMRAPG	DCBBIT2 APPENDAGES ARE REQUIRED (EXCP)
	..1.		DCBMRRD	DCBBIT2 READ (BSAM, BPAM, BISAM, BDAM, BTAM)
	..1.		DCBMRWRQ	DCBBIT2 WRITE FOR LINE GROUP (QTAM) ALWAYS ZERO (QSAM, QISAM)
	...1		DCBMRCI	DCBBIT3 COMMON INTERFACE (EXCP)
	...1		DCBMRMVG	DCBBIT3 MOVE MODE OF GET (QSAM, QISAM)
	...1		DCBMRRDK	DCBBIT3 KEY SEGMENT WITH READ (BDAM) ALWAYS ZERO (BISAM) RESERVED (BSAM, BPAM, QTAM, BTAM)
	.... 1...		DCBMRLCG	DCBBIT4 LOCATE MODE OF GET (QSAM, QISAM)
	.... 1...		DCBMRRDI	DCBBIT4 ID ARGUMENT WITH READ (BDAM) ALWAYS ZERO (BISAM) RESERVED (EXCP, BSAM, BPAM, QTAM, BTAM)
	.... .1..		DCBMRABC	DCBBIT5 USER'S PROGRAM MAINTAINS ACCURATE BLOCK COUNT (EXCP)
	.... .1..		DCBMRPT1	DCBBIT5 POINT (WHICH IMPLIES NOTE) (BSAM, BPAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... .1..			DCBMRSBG	DCBBIT5 SUBSTITUTE MODE OF GET (QSAM)
.... .1..			DCBMRDBF	DCBBIT5 DYNAMIC BUFFERING (BISAM, BDAM) ALWAYS ZERO (QISAM) RESERVED (QTAM, BTAM)
.... ..1.			DCBPGFXA	DCBBIT6 PAGE FIX APPENDAGE IS SPECIFIED (EXCP)
.... ..1.			DCBMRCRL	DCBBIT6 CNTRL (BSAM, QSAM)
.... ..1.			DCBMRCHK	DCBBIT6 CHECK (BISAM)
.... ..1.			DCBMRRDX	DCBBIT6 READ EXCLUSIVE (BDAM) RESERVED (BPAM, QISAM, QTAM, BTAM)
....1			DCBMRDMG	DCBBIT7 DATA MODE OF GET (QSAM)
....1			DCBMRCK	DCBBIT7 CHECK (BDAM) RESERVED (EXCP, BSAM, BPAM, BISAM, QISAM, QTAM, BTAM)
51 (33)	BITSTRING	1	DCBMACR2	SECOND BYTE OF DCBMACR
1...			DCBMRSTL	DCBBIT0 SETL (QISAM) ALWAYS ZERO (BSAM, QSAM, BPAM, BISAM, BDAM) RESERVED (EXCP, QTAM, BTAM)
.1..			DCBMRPUT	DCBBIT1 PUT (QSAM, TCAM) PUT OR PUTX (QISAM)
.1..			DCBMRGTQ	DCBBIT1 GET FOR MESSAGE GROUP (QTAM) ALWAYS ZERO (BSAM, BPAM, BISAM, BDAM) RESERVED (EXCP, BTAM)
..1.			DCBMRWRT	DCBBIT2 WRITE (BSAM, BPAM, BISAM, BDAM, BTAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			DCBMRRDQ	DCBBIT2 READ FOR LINE GROUP (QTAM) ALWAYS ZERO (QSAM, QISAM) RESERVED (EXCP)
...1			DCBMRMVP	DCBBIT3 MOVE MODE OF PUT (QSAM, QISAM)
...1			DCBMRWRK	DCBBIT3 KEY SEGMENT WITH WRITE (BDAM) ALWAYS ZERO (BISAM) RESERVED (EXCP, BSAM, BPAM, QTAM, BTAM)
.... 1...			DCBMR5WD	DCBBIT4 FIVE-WORD DEVICE INTERFACE (EXCP)
.... 1...			DCBMRLDM	DCBBIT4 LOAD MODE BSAM (CREATE BDAM DATA SET) (BSAM)
.... 1...			DCBMRLCP	DCBBIT4 LOCATE MODE OF PUT (QSAM, QISAM)
.... 1...			DCBMRIDW	DCBBIT4 ID ARGUMENT WITH WRITE (BDAM) ALWAYS ZERO (BISAM) RESERVED (BPAM, QTAM, BTAM)
.... .1..			DCBMR4WD	DCBBIT5 FOUR-WORD DEVICE INTERFACE (EXCP)
.... .1..			DCBMRPT2	DCBBIT5 POINT (WHICH IMPLIES NOTE) (BSAM, BPAM)
.... .1..			DCBMRTMD	DCBBIT5 SUBSTITUTE MODE (QSAM)
.... .1..			DCBMRUIP	DCBBIT5 UPDATE IN PLACE (PUTX) (QISAM) ALWAYS ZERO (BISAM) RESERVED (BDAM, QTAM, BTAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... ..1.			DCBMR3WD	DCBBIT6 THREE-WORD DEVICE INTERFACE (EXCP)
.... ..1.			DCBMRCTL	DCBBIT6 CNTRL (BSAM, QSAM)
.... ..1.			DCBMRSTK	DCBBIT6 SETL BY KEY (QISAM)
.... ..1.			DCBMRAWR	DCBBIT6 ADD TYPE OF WRITE (BDAM) ALWAYS ZERO (BISAM) RESERVED (BPAM, QTAM, BTAM)
....1			DCBMR1WD	DCBBIT7 ONE-WORD DEVICE INTERFACE (EXCP)
....1			DCBMRSWA	DCBBIT7 USER'S PROGRAM HAS PROVIDED A SEGMENT WORK AREA POOL (BSAM CREATE BDAM, BDAM)
....1			DCBMRDMD	DCBBIT7 DATA MODE (QSAM)
....1			DCBMRSTI	DCBBIT7 SETL BY ID (QISAM) ALWAYS ZERO (BISAM) RESERVED (BPAM, QTAM, BTAM)

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FOUNDATION AFTER OPEN

40	(28) SIGNED	2	DCBTIOT	OFFSET FROM TIOT ORIGIN TO TIOELNGH FIELD IN TIOT ENTRY FOR DD STATEMENT ASSOCIATED WITH THIS DCB
42	(2A) BITSTRING	2	DCBMACRF	SAME AS DCBMACR BEFORE OPEN
42	(2A) BITSTRING	1	DCBMACF1	FIRST BYTE OF DCBMACRF
43	(2B) BITSTRING	1	DCBMACF2	SECOND BYTE OF DCBMACRF

| 44 | (2C) A-ADDRESS | 4 | DCBDEBAD | ADDRESS OF ASSOCIATED DEB |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
44 (2C)	BITSTRING	1	DCBIFLGS	SAME AS DCBIFLG BEFORE OPEN
11..			DCBIFEC	DCBBIT0+DCBBIT1 ERROR CORRECTION INDICATOR
..11			DCBIFPCT	DCBBIT2+DCBBIT3 PRINTER CARRIAGE TAPE PUNCH INDICATOR
.... 11..			DCBIFIOE	DCBBIT4+DCBBIT5 IOS ERROR ROUTINE USE INDICATOR
45 (2D)	A-ADDRESS	3	DCBDEBA	ADDRESS OF ASSOCIATED DEB
48 (30)	A-ADDRESS	4	DCBGET	ADDRESS OF GET MODULE
48 (30)	A-ADDRESS	4	DCBPUT	ADDRESS OF PUT MODULE
48 (30)	BITSTRING	1	DCBOFLG1	SAME AS DCBOFLGS BEFORE OPEN
49 (31)	A-ADDRESS	3	DCBGETA	ADDRESS OF GET MODULE
49 (31)	A-ADDRESS	3	DCBPUTA	ADDRESS OF PUT MODULE

BISAM-QISAM INTERFACE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
52 (34)	BITSTRING	1	DCBOPTCD	OPTION CODES
1...			DCBOPTW	DCBBIT0 WRITE VALIDITY CHECK (DASD) (BSAM, BPAM, QSAM, ISAM, BDAM)
.1..			DCBOPTUF	DCBBIT1 FULL-TRACK INDEX WRITE
..1.			DCBOPTM	DCBBIT2 MASTER INDEXES
...1			DCBOPTI	DCBBIT3 INDEPENDENT OVERFLOW AREA
.... 1...			DCBOPTY	DCBBIT4 CYLINDER OVERFLOW AREA·
.... ..1.			DCBOPTL	DCBBIT6 DELETE OPTION
....1			DCBOPTR	DCBBIT7 REORGANIZATION CRITERIA
53 (35)	BITSTRING	1	DCBMAC	EXTENSION OF DCBMACRF FIELD FOR ISAM

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... 1...			DCBMACUR	DCBBIT4 UPDATE FOR READ
.... .1..			DCBMACUW	DCBBIT5 UPDATE TYPE OF WRITE
.... ..1.			DCBMACAW	DCBBIT6 ADD TYPE OF WRITE
....1			DCBMACRE	DCBBIT7 READ EXCLUSIVE
54	(36) SIGNED	1	DCBNTM	NUMBER OF TRACKS THAT DETERMINE THE DEVELOPMENT OF A MASTER INDEX MAXIMUM PERMISSABLE VALUE 99
55	(37) SIGNED	1	DCBCYLOF	NUMBER OF TRACKS TO BE RESERVED ON EACH PRIME DATA CYLINDER FOR RECORDS THAT OVERFLOW FROM OTHER TRACKS ON THAT CYLINDER
56	(38) A-ADDRESS	4	DCBSYNAD	ADDRESS OF USER'S SYNAD ROUTINE
60	(3C) SIGNED	2	DCBRKP	RELATIVE POSITION OF FIRST BYTE OF KEY WITHIN EACH LOGICAL RECORD
62	(3E) SIGNED	2	DCBBLKSI	BLOCK SIZE
64	(40) BITSTRING	8	DCBLPDT	FOR RESUME LOAD,THE LAST PRIME DATA TRACK ON THE LAST PRIME DATA CYLINDER IN THE FORM MBBCCHHR.
64	(40) A-ADDRESS	4	DCBMSWA	ADDRESS OF MAIN STORAGE WORK AREA FOR USE BY CONTROL PROGRAM WHEN NEW RECORDS ARE BEING ADDED TO AN EXISTING DATA SET

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
68 (44)	SIGNED	2	DCBSMSI	NUMBER OF BYTES IN AREA RESERVED TO HOLD HIGHEST LEVEL INDEX
70 (46)	SIGNED	2	DCBSMSW	NUMBER OF BYTES IN WORK AREA USED BY CONTROL PROGRAM WHEN NEW RECORDS ARE BEING ADDED TO DATA SET
72 (48)	A-ADDRESS	4	DCBMSHI	ADDRESS OF MAIN STORAGE AREA TO HOLD HIGHEST LEVEL INDEX
72 (48)	SIGNED	1	DCBNCP	NUMBER OF COPIES OF READ-WRITE (TYPE K) CHANNEL PROGRAMS THAT ARE TO BE ESTABLISHED FOR THIS DCB. (99 MAXIMUM)
73 (49)	A-ADDRESS	3	DCBMSHIA	SAME AS DCBMSHI ABOVE
76 (4C)	A-ADDRESS	4	DCBSETL	ADDRESS OF SETL MODULE FOR QISAM. ADDRESS OF CHECK MODULE FOR BISAM
80 (50)	BITSTRING	1	DCBEXCD1	FIRST BYTE IN WHICH EXCEPTIONAL CONDITIONS DETECTED IN PROCESSING DATA RECORDS ARE REPORTED TO THE USER
1...			DCBEXNKY	DCBBIT0 LOWER KEY LIMIT NOT FOUND
.1..			DCBEXIDA	DCBBIT1 INVALID DEVICE ADDRESS FOR LOWER LIMIT
..1.			DCBEXNSP	DCBBIT2 SPACE NOT FOUND
...1			DCBEXINV	DCBBIT3 INVALID REQUEST

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... 1...		DCBEXIER	DCBBIT4 UNCORRECTABLE INPUT ERROR
	.... .1..		DCBEXOER	DCBBIT5 UNCORRECTABLE OUTPUT ERROR
	.... ..1.		DCBEXBLI	DCBBIT6 BLOCK COULD NOT BE REACHED (INPUT)
	1		DCBEXBLU	DCBBIT7 BLOCK COULD NOT BE REACHED (UPDATE)
81	(51) BITSTRING	1	DCBEXCD2	SECOND BYTE IN WHICH EXCEPTIONAL CONDITIONS DETECTED IN PROCESSING DATA RECORDS ARE REPORTED TO THE USER
	1...		DCBEXSEQ	DCBBIT0 SEQUENCE CHECK
	.1..		DCBEXDUP	DCBBIT1 DUPLICATE RECORD
	..1.		DCBEXCLD	DCBBIT2 DCB CLOSED WHEN ERROR WAS DETECTED
	...1		DCBEXOFL	DCBBIT3 OVERFLOW RECORD
	.... 1...		DCBEXLTH	DCBBIT4 FOR PUT LENGTH FIELD OF RECORD LARGER THAN LENGTH INDICATED IN DCBLRECL
	.... 1...		DCBEXRDE	DCBBIT4 READ EXCLUSIVE
82	(52) SIGNED	2	DCBLRECL	FOR FIXED-LENGTH RECORD FORMATS, LOGICAL RECORD LENGTH. FOR VARIABLE-LENGTH RECORD FORMATS, MAXIMUM LOGICAL RECORD LENGTH OR AN ACTUAL LOGICAL RECORD LENGTH CHANGED DYNAMICALLY BY USER WHEN CREATING THE DATA SET

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
84 (54)	A-ADDRESS	4	DCBESETL	ADDRESS OF ESETL ROUTINE IN GET MODULE
88 (58)	A-ADDRESS	4	DCBLRAN	ADDRESS OF READ-WRITE K MODULE OR EXCLUSIVE MODULE
92 (5C)	A-ADDRESS	4	DCBLWKN	ADDRESS OF WRITE KN MODULE
96 (60)	A-ADDRESS	4	DCBRELSE	WORK AREA FOR TEMPORARY STORAGE OF REGISTER CONTENTS
100 (64)	A-ADDRESS	4	DCBPUTX	WORK AREA FOR TEMPORARY STORAGE OF REGISTER CONTENTS
104 (68)	A-ADDRESS	4	DCBRELEX	ADDRESS OF READ EXCLUSIVE MODULE
108 (6C)	A-ADDRESS	4	DCBFREED	ADDRESS OF DYNAMIC BUFFERING MODULE
112 (70)	SIGNED	1	DCBHIRTI	NUMBER OF INDEX ENTRIES THAT FIT ON A PRIME DATA TRACK
113 (71)	CHARACTER	7	DCBFTMI2	DIRECT ACCESS DEVICE ADDRESS OF FIRST TRACK OF SECOND LEVEL MASTER INDEX (IN THE FORM MBBCCHH)
120 (78)	CHARACTER	5	DCBLEMI2	DIRECT ACCESS DEVICE ADDRESS OF LAST ACTIVE ENTRY IN SECOND LEVEL MASTER INDEX (IN THE FORM CCHHR)
125 (7D)	CHARACTER	7	DCBFTMI3	DIRECT ACCESS DEVICE ADDRESS OF FIRST TRACK OF THIRD LEVEL MASTER INDEX (IN THE FORM MBBCCHH)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
132 (84)	CHARACTER	5	DCBLEMI3	DIRECT ACCESS DEVICE ADDRESS OF LAST ACTIVE ENTRY IN THIRD LEVEL MASTER INDEX (IN THE FORM CCHHR)
137 (89)	SIGNED	1	DCBNLEV	NUMBER OF LEVELS OF INDEX
138 (8A)	CHARACTER	3	DCBFIRSH	HHR OF FIRST DATA RECORD ON EACH CYLINDER. FOR VARIABLE LENGTH RECORD PROCESSING, R PORTION OF THIS FIELD IS ALWAYS X'01'.
141 (8D)	CHARACTER	1	DCBHMASK	BYTE INDICATING 2301 OR NOT
.... .111			DCBHMDRM	X'07' DEVICE IS 2301 DRUM
1111 1111			DCBHMNDM	X'FF' DEVICE IS OTHER THAN 2301 DRUM
142 (8E)	CHARACTER	2	DCBLDT	HH IS THE LAST PRIME DATA TRACK ON EACH CYLINDER
144 (90)	CHARACTER	1	DCBHIRCM	HIGHEST POSSIBLE R FOR TRACKS OF THE CYLINDER AND MASTER INDICES
145 (91)	CHARACTER	1	DCBHIRPD	HIGHEST R ON ANY PRIME TRACK IN DATA SET. FOR VARIABLE-LENGTH RECORDS, THIS REPRESENTS THE GREATEST NUMBER OF PHYSICAL RECORDS ON ANY PRIME TRACK IN THE DATA SET
146 (92)	CHARACTER	1	DCBHIROV	FOR FIXED-LENGTH RECORD FORMAT, HIGHEST POSSIBLE R FOR OVERFLOW DATA TRACKS. FOR VARIABLE-LENGTH RECORD FORMAT, UNUSED.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
147 (93)	CHARACTER	1	DCBHIRSH	FOR FIXED-LENGTH RECORD FORMAT, R OF LAST DATA RECORD ON A SHARED TRACK, IF APPLICABLE. FOR VARIABLE-LENGTH RECORD FORMAT, UNUSED.
148 (94)	SIGNED	2	DCBTDC	USER-SUPPLIED NUMBER OF RECORDS TAGGED FOR DELETION.
150 (96)	SIGNED	2	DCBNCRHI	NUMBER OF STORAGE LOCATIONS NEEDED TO HOLD THE HIGHEST LEVEL INDEX
152 (98)	SIGNED	4	DCBRORG3	FOR EACH USE OF DATA SET, NUMBER OF READ OR WRITE ACCESSES TO AN OVERFLOW RECORD WHICH IS NOT FIRST IN A CHAIN OF SUCH RECORDS
156 (9C)	SIGNED	4	DCBNREC	NUMBER OF LOGICAL RECORDS IN PRIME DATA AREA
160 (A0)	BITSTRING	1	DCBST	STATUS INDICATORS
	1...		DCBSTSSM	DCBBIT0 SINGLE SCHEDULE MODE
	.1..		DCBSTKSQ	DCBBIT1 KEY SEQUENCE CHECKING IS TO BE PERFORMED
	..1.		DCBSTLOD	DCBBIT2 LOADING HAS COMPLETED. SET TO 1 BY CLOSE ROUTINE AND TO 0 BY FIRST EXECUTION OF PUT ROUTINE.
	...1		DCBSTNCY	DCBBIT3 EXTENSION OF DATA SET WILL BEGIN ON NEW CYLINDER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... .1..		DCBSTNMC	DCBBIT5 FIRST MACRO INSTRUCTION NOT YET RECEIVED
	.... ..1.		DCBSTLBF	DCBBIT6 LAST BLOCK FULL
	1		DCBSTLTF	DCBBIT7 LAST TRACK FULL
161	(A1) CHARACTER	7	DCBFTCI	DIRECT ACCESS DEVICE ADDRESS OF FIRST TRACK OF CYLINDER INDEX (IN THE FORM MBBCCHH).
168	(A8) CHARACTER	1	DCBHIIOV	FOR FIXED LENGTH RECORD FORMAT, HIGHEST POSSIBLE R FOR INDEPENDENT OVERFLOW DATA TRACKS. FOR VARIABLE LENGTH RECORD FORMAT, UNUSED
169	(A9) CHARACTER	7	DCBFTMI1	DIRECT ACCESS DEVICE ADDRESS OF FIRST TRACK OF FIRST LEVEL MASTER INDEX (IN THE FORM MBBCCHH).
176	(B0) SIGNED	1	DCBNTHI	NUMBER OF TRACKS OF HIGH-LEVEL INDEX
177	(B1) CHARACTER	7	DCBFTHI	DIRECT ACCESS DEVICE ADDRESS OF FIRST TRACK OF HIGHEST LEVEL INDEX (IN THE FORM MBBCCHH).
184	(B8) CHARACTER	8	DCBLPDA	DIRECT ACCESS DEVICE ADDRESS OF LAST PRIME DATA RECORD IN PRIME DATA AREA (IN THE FORM MBBCCHHR).
192	(C0) CHARACTER	5	DCBLETI	DIRECT ACCESS DEVICE ADDRESS OF LAST ACTIVE NORMAL ENTRY OF TRACK INDEX ON LAST ACTIVE CYLINDER (IN

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
197 (C5)	CHARACTER	1	DCBOVDEV	THE FORM CCKHHR). DEVICE TYPE FOR INDEPENDENT OVERFLOW

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THESE SAME MASKS APPLY TO DCBDEVT FOR ISAM DIRECT ACCESS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... ..1.		DCBDVI01	X'02' 2301 PARALLEL DRUM
	11		DCBDVI03	X'03' 2303 SERIAL DRUM
	.... .1..		DCBDVI02	X'04' 2302 DISK STORAGE
	.... .1.1		DCBDVI05	X'05' 2305 DRUM
	.... 1...		DCBDVI14	X'08' 2314 DISK STORAGE FACILITY
	.... 1..1		DCBDVI30	X'09' 3330 DISK STORAGE FACILITY
198 (C6)	SIGNED	2	DCBNBOV	FOR FIXED LENGTH RECORD FORMAT, RESERVED. FOR VARIABLE LENGTH RECORD FORMAT, IF THE INDEPENDENT OVERFLOW OPTION IS SELECTED, CONTAINS, IN BINARY, NUMBER OF BYTES LEFT ON CURRENT TRACK OF INDEPENDENT OVERFLOW AREA
200 (C8)	CHARACTER	5	DCBLECI	DIRECT ACCESS DEVICE ADDRESS OF LAST ACTIVE ENTRY IN CYLINDER INDEX (IN THE FORM CCKHHR).
205 (CD)	HEX	1		RESERVED
206 (CE)	SIGNED	2	DCBRORG2	NUMBER OF TRACKS (PARTIALLY OR WHOLLY) REMAINING IN INDEPENDENT OVERFLOW AREA
208 (D0)	CHARACTER	5	DCBLEMI1	DIRECT ACCESS DEVICE ADDRESS OF LAST ACTIVE ENTRY IN FIRST LEVEL MASTER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				INDEX (IN THE FORM CCHHR).
213 (D5)	HEX	1		RESERVED
214 (D6)	SIGNED	2	DCBNOREC	NUMBER OF LOGICAL RECORDS IN AN OVERFLOW AREA
216 (D8)	CHARACTER	8	DCBLIOV	DIRECT ACCESS DEVICE ADDRESS OF LAST AREA (IN THE FORM MBBCCHHR).
224 (E0)	SIGNED	2	DCBRORG1	NUMBER OF CYLINDER OVERFLOW AREAS THAT ARE FULL
226 (E2)	HEX	2		RESERVED
228 (E4)	A-ADDRESS	4	DCBWKPT1	POINTER TO WORK AREA OR TO CONSTRUCTED CHANNEL PROGRAM FOR WHICH SPACE IS OBTAINED BY GETMAIN MACRO INSTRUCTIONS ISSUED BY OPEN EXECUTORS
232 (E8)	A-ADDRESS	4	DCBWKPT2	ADDITIONAL POINTER AS IN DCBWKPT1
236 (EC)	A-ADDRESS	4	DCBWKPT3	ADDITIONAL POINTER AS IN DCBWKPT1
240 (F0)	A-ADDRESS	4	DCBWKPT4	ADDITIONAL POINTER AS IN DCBWKPT1
244 (F4)	A-ADDRESS	4	DCBWKPT5	ADDITIONAL POINTER AS IN DCBWKPT1
248 (F8)	A-ADDRESS	4	DCBWKPT6	ADDITIONAL POINTER AS IN DCBWKPT1

CROSS REFERENCE

DCBACBM	27 X'08'	DCBEXINV	80 X'10'
DCBBFA	32 X'03'	DCBEXLSA	37 (25)
DCBBFAD	32 X'02'	DCBEXLST	36 (24)
DCBBFAF1	32 X'01'	DCBEXLTH	81 X'08'
DCBBFAF2	32 X'03'	DCBEXNKP	80 X'80'
DCBBFALN	32 (20)	DCBEXNSP	80 X'20'
DCBBFT	32 X'70'	DCBEXOER	80 X'04'
DCBBFTA	32 X'60'	DCBEXOFL	81 X'10'
DCBBFTE	32 X'10'	DCBEXRDE	81 X'08'
DCBBFTEK	32 (20)	DCBEXSEQ	81 X'80'
DCBBFTKD	32 X'08'	DCBFIRSH	138 (8A)
DCBBFTKR	32 X'20'	DCBFREED	108 (6C)
DCBBFTR	32 X'20'	DCBFTCI	161 (A1)
DCBBFTS	32 X'40'	DCBFTHI	177 (B1)
DCBBIT0	0 X'80'	DCBFTHI1	169 (A9)
DCBBIT1	0 X'40'	DCBFTHI2	113 (71)
DCBBIT2	0 X'20'	DCBFTHI3	125 (7D)
DCBBIT3	0 X'10'	DCBGET	48 (30)
DCBBIT4	0 X'08'	DCBGETA	49 (31)
DCBBIT5	0 X'04'	DCBHIARC	32 (20)
DCBBIT6	0 X'02'	DCBHIIOV	168 (A8)
DCBBIT7	0 X'01'	DCBHIRCM	144 (90)
DCBBLKSI	62 (3E)	DCBHIROV	146 (92)
DCBBUFCA	21 (15)	DCBHIRPD	145 (91)
DCBBUFCB	20 (14)	DCBHIRSH	147 (93)
DCBBUFL	24 (18)	DCBHIRTI	112 (70)
DCBBUFNO	20 (14)	DCBHMASK	141 (8D)
DCBCYLOF	55 (37)	DCBHMDRM	141 X'07'
DCBDDNAM	40 (28)	DCBHMNDM	141 X'FF'
DCBDEBA	45 (2D)	DCBHO	32 X'04'
DCBDEBAI	44 (2C)	DCBHI	32 X'80'
DCBDEVT	17 (11)	DCBIBEC	49 X'C0'
DCBDSGCX	26 X'10'	DCBIBIOE	49 X'0C'
DCBDSGDA	26 X'20'	DCBIBPCT	49 X'30'
DCBDSGGS	27 X'80'	DCBIFC12	49 X'10'
DCBDSGIS	26 X'80'	DCBIFC9	49 X'20'
DCBDSGPO	26 X'02'	DCBIFEC	44 X'C0'
DCBDSGPS	26 X'40'	DCBIFER	49 X'00'
DCBDSGTQ	27 X'20'	DCBIFIOE	44 X'0C'
DCBDSGTR	27 X'04'	DCBIFLG	49 (31)
DCBDSGTX	27 X'40'	DCBIFLGS	44 (2C)
DCBDSGU	26 X'01'	DCBIFNEP	49 X'00'
DCBDSORG	26 (1A)	DCBIFNE1	49 X'04'
DCBDSRG1	26 (1A)	DCBIFNE2	49 X'08'
DCBDSRG2	27 (1B)	DCBIFNE3	49 X'0C'
DCBDVI01	197 X'02'	DCBIFPCT	44 X'30'
DCBDVI02	197 X'04'	DCBIFPEC	49 X'C0'
DCBDVI03	197 X'03'	DCBIFTIM	49 X'04'
DCBDVI05	197 X'05'	DCBIOBAA	29 (1D)
DCBDVI14	197 X'08'	DCBIOBAD	28 (1C)
DCBDVI30	197 X'09'	DCBKEYLE	16 (10)
DCBDVTRM	17 X'4F'	DCBLDT	142 (8E)
DCBEODA	33 (21)	DCBLECI	200 (C8)
DCBEODAD	32 (20)	DCBLEMI1	208 (D0)
DCBESETL	84 (54)	DCBLEMI2	120 (78)
DCBEX	49 X'40'	DCBLEMI3	132 (84)
DCBEXBLI	80 X'02'	DCBLETI	192 (C0)
DCBEXBLU	80 X'01'	DCBLIOV	216 (D8)
DCBEXCD1	80 (50)	DCBLNP	28 (1C)
DCBEXCD2	81 (51)	DCBLPDA	184 (B8)
DCBEXCLD	81 X'20'	DCBLPDT	64 (40)
DCBEXDUP	81 X'40'	DCBLRAN	88 (58)
DCBEXIDA	80 X'40'	DCBLRECL	82 (52)
DCBEXIER	80 X'08'	DCBLWKN	92 (5C)

DCB3

Common Name: Data Control Block (BDAM)
Macro ID: DCBD
DSECT Name: IHADCB
Created by: Problem program
Subpool and Key: Problem program subpool and key
Size: Variable 252 bytes
Pointed to by: DEBDCBAD field of the DEB data area
              IOBDCBPT field of the IOB data area
              CVTLINKT field of the CVT data area
               (LINKLIB DCB)
              CVTSVDCB field of the CVT data area (SVCLIB
               DCB)
              CVTDCB field of the CVT data area (LOGREC
               DCB)
              DECCBAD field of the DLECB data area (BDAM,
               BSAM, and BTAM DCBs)
              JSCBDCB field of the JSCB data area
               (scheduler DCB)
              LWAFDCB field of the LWA data area (UADS
               DCB)
              SMCAPDCB field of the SMCA data area
               (current SMF DCB)
              SMCAADCB field of the SMCA data area
               (non-current SMF DCB)
              TCBJLB field of the TCB data area (JOBLIB
               DCB)
Serialization: User responsible for serialization. While
being processed by OPEN/CLOSE, a protected copy of the DCB
is made to serialize processing.
Function: This data control block (DCB) contains
information pertaining to data sets being processed by
basic direct access method (BDAM) routines. The common
interface and foundation sections are the same for all DCB
formats. The direct access storage device section and the
BDAM interface section complete the description of the
block.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	IHADCB	, DCBPTR
	1...		DCBBIT0	128
	.1..		DCBBIT1	64
	..1.		DCBBIT2	32
	...1		DCBBIT3	16
	.... 1...		DCBBIT4	8
	.... .1..		DCBBIT5	4
	.... ..1.		DCBBIT6	2
	1		DCBBIT7	1
16	(10) SIGNED	4	DCBRELB	SAME AS DCBREL BELOW
16	(10) SIGNED	1	DCBKEYLE	KEY LENGTH OF DATA SET
17	(11) CHARACTER	1	DCBDEVT	DEVICE TYPE
	.1.. 1111		DCBDVTRM	X'4F' TERMINAL. (DD CONTAINS TERM=TS)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
17 (11)	SIGNED	3	DCBREL	NUMBER OF RELATIVE TRACKS OR BLOCKS IN THIS DATA SET (BDAM)
20 (14)	A-ADDRESS	4	DCBBUFCB	ADDRESS OF BUFFER POOL CONTROL BLOCK
20 (14)	SIGNED	1	DCBBUFNO	NUMBER OF BUFFERS REQUIRED FOR THIS DATA SET. MAY RANGE FROM 0 TO 255. IF UNBLOCKED SPANNED RECORDS ARE USED, NUMBER OF SEGMENT WORK AREAS REQUIRED FOR THIS DATA SET.
21 (15)	A-ADDRESS	3	DCBBUFCA	ADDRESS OF BUFFER POOL CONTROL BLOCK
24 (18)	SIGNED	2	DCBBUFL	LENGTH OF BUFFER. MAY RANGE FROM 0 TO 32,767
26 (1A)	BITSTRING	2	DCBDSORG	DATA SET ORGANIZATION BEING USED
26 (1A)	BITSTRING	1	DCBDSRG1	FIRST BYTE OF DCBDSORG
1...			DCBDSGIS	DCBBIT0 IS INDEXED SEQUENTIAL ORGANIZATION
.1..			DCBDSGPS	DCBBIT1 PS PHYSICAL SEQUENTIAL ORGANIZATION
..1.			DCBDSGDA	DCBBIT2 DA DIRECT ORGANIZATION
...1			DCBDSGCX	DCBBIT3 CX BTAM OR QTAM LINE GROUP
.... ..1.			DCBDSGPO	DCBBIT6 PO PARTITIONED ORGANIZATION
....1			DCBDSGU	DCBBIT7 U UNMOVABLE, THE DATA CONTAINS LOCATION DEPENDENT INFORMATION
27 (1B)	BITSTRING	1	DCBDSRG2	SECOND BYTE OF DCBDSORG

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	1...		DCBDSGGS	DCBBIT0 GS GRAPHICS ORGANIZATION
	.1..		DCBDSGTX	DCBBIT1 TX TCAM LINE GROUP
	..1.		DCBDSGTQ	DCBBIT2 TQ TCAM MESSAGE QUEUE
	.... 1...		DCBACBM	DCBBIT4 ACCESS METHOD CONTROL BLOCK
	.... .1..		DCBDSGTR	DCBBIT5 TR TCAM 3705
28	(1C) A-ADDRESS	4	DCBIOBAD	ADDRESS OF IOB WHEN CHAINED SCHEDULING IS USED OR FOR 1419/1275
28	(1C) A-ADDRESS	4	DCBODEB	ADDRESS OF OLD DEB
28	(1C) SIGNED	1	DCBLNP	3525 PRINTER LINE POSITION COUNTER
28	(1C) BITSTRING	1	DCBQSLM	QSAM LOCATE MODE LOGICAL RECORD INTERFACE INDICATOR BYTE FOR UPDAT PROCESSING OF SPANNED RECORDS
	1...		DCB1DVDS	DCBBIT0 ONLY ONE DEVICE IS ALLOCATED TO THIS DATA SET
	.1..		DCBUPDCM	DCBBIT1 UPDATE COMPLETE, FREE OLD DEB
	..11		DCBUPDBT	DCBBIT2+DCBBIT3 UPDATE BITS
	..1.		DCBUPDT	DCBBIT2 UPDATE TO TAKE PLACE
	..11		DCBNUPD	DCBBIT2+DCBBIT3 NO UPDATE TO TAKE PLACE
	...1		DCBSVDEB	DCBBIT3 OLD DEB ADDRESS MUST BE SAVED
29	(1D) A-ADDRESS	3	DCBIOBAA	SAME AS DCBIOBAD ABOVE
29	(1D) A-ADDRESS	3	DCBODEBA	ADDRESS OF OLD DEB
28	(1C) A-ADDRESS	4	DCBSVCXL	SAME AS DCBSVCXA BELOW
28	(1C) HEX	1		RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
29 (1D)	A-ADDRESS	3	DCBSVCXA	POINTER TO EXIT LIST OF JES C.I. INTERFACE CONTROL SVC

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FOUNDATION EXTENSION

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
32 (20)	A-ADDRESS	4	DCBEODAD	SAME AS DCBEODA BELOW
32 (20)	BITSTRING	1	DCBHIARC	HIERARCHY BITS
32 (20)	BITSTRING	1	DCBBFTEK	BUFFERING TECHNIQUE BITS
32 (20)	BITSTRING	1	DCBBFALN	BUFFER ALIGNMENT BITS
1...			DCBH1	DCBBIT0 HIERARCHY 1 MAIN STORAGE BIT 5 IS ZERO
.111			DCBBFT	DCBBIT1+DCBBIT2 +DCBBIT3 BUFFERING TECHNIQUE
.11.			DCBBFTA	DCBBIT1+DCBBIT2 QSAM LOCATE MODE PROCESSING OF SPANNED RECORDS OPEN IS TO CONSTRUCT A RECORD AREA IF IT AUTOMATICALLY CONSTRUCTS BUFFERS
..1.			DCBBFTR	DCBBIT2 FOR BSAM CREATE BDAM PROCESSING OF UNBLOCKED SPANNED RECORDS SOFTWARE TRACK OVERFLOW. FOR BSAM INPUT PROCESSING OF UNBLOCKED SPANNED RECORDS WITH KEYS RECORD OFFSET PROCESSING.
.1..			DCBBFTS	DCBBIT1 SIMPLE BUFFERING BIT 3 IS ZERO

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			DCBBFTKR	DCBBIT2 UNBLOCKED SPANNED RECORDS SOFTWARE TRACK OVERFLOW (BDAM)
...1			DCBBFTE	DCBBIT3 EXCHANGE BUFFERING BIT 1 IS ZERO
.... 1...			DCBBFTKD	DCBBIT4 DYNAMIC BUFFERING (BTAM)
.... .1..			DCBHO	DCBBIT5 HIERARCHY 0 MAIN STORAGE BIT 0 IS ZERO
.... ..11			DCBBFA	DCBBIT6+DCBBIT7 BUFFER ALIGNMENT
.... ..1.			DCBBFAD	DCBBIT6 DOUBLEWORD BOUNDARY
....1			DCBBFAF1	DCBBIT7 FULLWORD NOT A DOUBLEWORD BOUNDARY, CODED IN DCB MACRO INSTRUCTION
.... ..11			DCBBFAF2	DCBBIT6+DCBBIT7 FULLWORD NOT A DOUBLEWORD BOUNDARY, CODED IN DCB MACRO INSTRUCTION
33	(21) A-ADDRESS	3	DCBEODA	ADDRESS OF A USER-PROVIDED ROUTINE TO HANDLE END-OF-DATA CONDITIONS
36	(24) A-ADDRESS	4	DCBEXLST	ADDRESS OF USER-PROVIDED LIST OF EXITS
36	(24) BITSTRING	1	DCBRECFM	RECORD FORMAT
111.			DCBRECLA	DCBBIT0+DCBBIT1 +DCBBIT2 RECORD LENGTH INDICATOR ASCII
..1.			DCBRECD	DCBBIT2 ASCII VARIABLE RECORD LENGTH
11..			DCBRECL	DCBBIT0+DCBBIT1 RECORD LENGTH INDICATOR

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			DCBRECF	DCBBIT0 FIXED RECORD LENGTH
.1..			DCBRECV	DCBBIT1 VARIABLE RECORD LENGTH
11..			DCBRECU	DCBBIT0+DCBBIT1 UNDEFINED RECORD LENGTH
..1.			DCBRECTO	DCBBIT2 TRACK OVERFLOW
...1			DCBRECBR	DCBBIT3 BLOCKED RECORDS
.... 1...			DCBRECSB	DCBBIT4 FOR FIXED LENGTH RECORD FORMAT STANDARD BLOCKS. FOR VARIABLE LENGTH RECORD FORMAT SPANNED RECORDS
.... .11.			DCBRECCC	DCBBIT5+DCBBIT6 CONTROL CHARACTER INDICATOR
.... .1..			DCBRECCA	DCBBIT5 ASA CONTROL CHARACTER
.... ..1.			DCBRECCM	DCBBIT6 MACHINE CONTROL CHARACTER
....			DCBRECC	X'00' NO CONTROL CHARACTER
....1			DCBRECKL	DCBBIT7 KEY LENGTH (KEYLEN) WAS SPECIFIED IN DCB MACRO INSTRUCTION
37 (25)	A-ADDRESS	3	DCBEXLSA	ADDRESS OF USER-PROVIDED LIST OF EXITS

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FOUNDATION BEFORE OPEN

| 40 (28) | CHARACTER | 8 | DCBDDNAM | NAME ON THE DD STATEMENT WHICH DEFINES THE DATA SET ASSOCIATED WITH THIS DCB |

| 48 (30) | BITSTRING | 1 | DCBOFLGS | FLAGS USED BY OPEN ROUTINE |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	1...		DCBOFLWR	DCBBIT0 IF ZERO, LAST I/O OPERATION WAS READ OR POINT. IF ONE, LAST I/O OPERATION WAS WRITE.
	1...		DCBOFIOD	DCBBIT0 DATA SET IS BEING OPENED FOR INPUT OR OUTPUT (BDAM)
	.1..		DCBOFLRB	DCBBIT1 LAST I/O OPERATION WAS IN READ BACKWARD MODE
	..1.		DCBOFEOV	DCBBIT2 SET TO 1 BY EOV WHEN IT CALLS CLOSE ROUTINE FOR CONCATENATION OF DATA SETS WITH UNLIKE ATTRIBUTES
	...1		DCBOFOPN	DCBBIT3 AN OPEN HAS BEEN SUCCESSFULLY COMPLETED
	.... 1...		DCBOFPPC	DCBBIT4 SET TO 1 BY PROBLEM PROGRAM TO INDICATE A CONCATENATION OF UNLIKE ATTRIBUTES
	.... .1..		DCBOFTM	DCBBIT5 TAPE MARK HAS BEEN READ
	.... ..1.		DCBOFUEX	DCBBIT6 SET TO 0 BY AN I/O SUPPORT FUNCTION WHEN THAT FUNCTION TAKES A USER EXIT. SET TO 1 ON RETURN FROM USER EXIT TO THE I/O SUPPORT FUNCTION WHICH TOOK THE EXIT.
	1		DCBOFIOF	DCBBIT7 SET TO 1 BY AN I/O SUPPORT FUNCTION IF DCB IS TO BE PROCESSED BY THAT FUNCTION
49 (31)	BITSTRING	1	DCBIFLG	FLAGS USED BY IOS IN COMMUNICATING ERROR CONDITIONS AND

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				IN DETERMINING CORRECTIVE PROCEDURES
11..			DCBIBEC	DCBBIT0+DCBBIT1 ERROR CORRECTION INDICATOR
....			DCBIFNEP	X'00' NOT IN ERROR PROCEDURE
.1..			DCBEX	DCBBIT1 ERROR CORRECTION OR IOS PAGE FIX IN PROCESS
11..			DCBIFPEC	DCBBIT0+DCBBIT1 PERMANENT ERROR CORRECTION
..11			DCBIBPCT	DCBBIT2+DCBBIT3 PRINTER CARRIAGE TAPE PUNCH INDICATOR
..1.			DCBIFC9	DCBBIT2 CHANNEL 9 PRINTER CARRIAGE TAPE PUNCH SENSED
...1			DCBIFC12	DCBBIT3 CHANNEL 12 PRINTER CARRIAGE TAPE PUNCH SENSED
.... 11..			DCBIBIOE	DCBBIT4+DCBBIT5 IOS ERROR ROUTINE USE INDICATOR
....			DCBIFER	X'00' ALWAYS USE I/O SUPERVISOR ERROR ROUTINE
.... .1..			DCBIFNE1	DCBBIT5 NEVER USE I/O SUPERVISOR ERROR ROUTINE
.... .1..			DCBIFTIM	DCBBIT5 TEST IOS MASK (IMSK) FOR ERROR PROCEDURE (BTAM)
.... 1...			DCBIFNE2	DCBBIT4 NEVER USE I/O SUPERVISOR ERROR ROUTINE
.... 11..			DCBIFNE3	DCBBIT4+DCBBIT5 NEVER USE I/O SUPERVISOR ERROR ROUTINE
50 (32)	BITSTRING	2	DCBMACR	MACRO INSTRUCTION REFERENCE
50 (32)	BITSTRING	1	DCBMACR1	FIRST BYTE OF DCBMACR

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			DCBMRECP	DCBBIT0 EXECUTE CHANNEL PROGRAM (EXCP) ALWAYS ZERO (BSAM, QSAM, BPAM, BISAM, QISAM, BDAM) RESERVED (QTAM, BTAM)
.1..			DCBMRFE	DCBBIT1 FOUNDATION EXTENSION IS PRESENT (EXCP)
.1..			DCBMRGET	DCBBIT1 GET (QSAM, QISAM, TCAM)
.1..			DCBMRPTQ	DCBBIT1 PUT FOR MESSAGE GROUP (QTAM) ALWAYS ZERO (BSAM, BPAM, BISAM, BDAM) RESERVED (BTAM)
..1.			DCBMRAPG	DCBBIT2 APPENDAGES ARE REQUIRED (EXCP)
..1.			DCBMRRD	DCBBIT2 READ (BSAM, BPAM, BISAM, BDAM, BTAM)
..1.			DCBMRWRQ	DCBBIT2 WRITE FOR LINE GROUP (QTAM) ALWAYS ZERO (QSAM, QISAM)
...1			DCBMRCI	DCBBIT3 COMMON INTERFACE (EXCP)
...1			DCBMRMVG	DCBBIT3 MOVE MODE OF GET (QSAM, QISAM)
...1			DCBMRRDK	DCBBIT3 KEY SEGMENT WITH READ (BDAM) ALWAYS ZERO (BISAM) RESERVED (BSAM, BPAM, QTAM, BTAM)
.... 1...			DCBMRLCG	DCBBIT4 LOCATE MODE OF GET (QSAM, QISAM)
.... 1...			DCBMRRDI	DCBBIT4 ID ARGUMENT WITH READ (BDAM) ALWAYS ZERO (BISAM) RESERVED (EXCP, BSAM, BPAM, QTAM, BTAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... .1..			DCBMRABC	DCBBIT5 USER'S PROGRAM MAINTAINS ACCURATE BLOCK COUNT (EXCP)
.... .1..			DCBMRPT1	DCBBIT5 POINT (WHICH IMPLIES NOTE) (BSAM, BPAM)
.... .1..			DCBMRSBG	DCBBIT5 SUBSTITUTE MODE OF GET (QSAM)
.... .1..			DCBMRDBF	DCBBIT5 DYNAMIC BUFFERING (BISAM, BDAM) ALWAYS ZERO (QISAM) RESERVED (QTAM, BTAM)
.... ..1.			DCBPGFXA	DCBBIT6 PAGE FIX APPENDAGE IS SPECIFIED (EXCP)
.... ..1.			DCBMRCRL	DCBBIT6 CNTRL (BSAM, QSAM)
.... ..1.			DCBMRCHK	DCBBIT6 CHECK (BISAM)
.... ..1.			DCBMRRDX	DCBBIT6 READ EXCLUSIVE (BDAM) RESERVED (BPAM, QISAM, QTAM, BTAM)
....1			DCBMRDMG	DCBBIT7 DATA MODE OF GET (QSAM)
....1			DCBMRCK	DCBBIT7 CHECK (BDAM) RESERVED (EXCP, BSAM, BPAM, BISAM, QISAM, QTAM, BTAM)
51	(33) BITSTRING	1	DCBMACR2	SECOND BYTE OF DCBMACR
1...			DCBMRSTL	DCBBIT0 SETL (QISAM) ALWAYS ZERO (BSAM, QSAM, BPAM, BISAM, BDAM) RESERVED (EXCP, QTAM, BTAM)
.1..			DCBMRPUT	DCBBIT1 PUT (QSAM, TCAM) PUT OR PUTX (QISAM)
.1..			DCBMRGTQ	DCBBIT1 GET FOR MESSAGE GROUP (QTAM) ALWAYS ZERO (BSAM, BPAM,

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				BISAM, BDAM) RESERVED (EXCP, BTAM)
..1.			DCBMRWRT	DCBBIT2 WRITE (BSAM, BPAM, BISAM, BDAM, BTAM)
..1.			DCBMRRDQ	DCBBIT2 READ FOR LINE GROUP (QTAM) ALWAYS ZERO (QSAM, QISAM) RESERVED (EXCP)
...1			DCBMRMVP	DCBBIT3 MOVE MODE OF PUT (QSAM, QISAM)
...1			DCBMRWRK	DCBBIT3 KEY SEGMENT WITH WRITE (BDAM) ALWAYS ZERO (BISAM) RESERVED (EXCP, BSAM, BPAM, QTAM, BTAM)
.... 1...			DCBMR5WD	DCBBIT4 FIVE-WORD DEVICE INTERFACE (EXCP)
.... 1...			DCBMRLDM	DCBBIT4 LOAD MODE BSAM (CREATE BDAM DATA SET) (BSAM)
.... 1...			DCBMRLCP	DCBBIT4 LOCATE MODE OF PUT (QSAM, QISAM)
.... 1...			DCBMRIOW	DCBBIT4 ID ARGUMENT WITH WRITE (BDAM) ALWAYS ZERO (BISAM) RESERVED (BPAM, QTAM, BTAM)
.... .1..			DCBMR4WD	DCBBIT5 FOUR-WORD DEVICE INTERFACE (EXCP)
.... .1..			DCBMRPT2	DCBBIT5 POINT (WHICH IMPLIES NOTE) (BSAM, BPAM)
.... .1..			DCBMRTMD	DCBBIT5 SUBSTITUTE MODE (QSAM)
.... .1..			DCBMRUIP	DCBBIT5 UPDATE IN PLACE (PUTX) (QISAM) ALWAYS ZERO (BISAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				RESERVED (BDAM, QTAM, BTAM)
.... ..1.			DCBMR3WD	DCBBIT6 THREE-WORD DEVICE INTERFACE (EXCP)
.... ..1.			DCBMRCTL	DCBBIT6 CNTRL (BSAM, QSAM)
.... ..1.			DCBMRSTK	DCBBIT6 SETL BY KEY (QISAM)
.... ..1.			DCBMRAWR	DCBBIT6 ADD TYPE OF WRITE (BDAM) ALWAYS ZERO (BISAM) RESERVED (BPAM, QTAM, BTAM)
....1			DCBMR1WD	DCBBIT7 ONE-WORD DEVICE INTERFACE (EXCP)
....1			DCBMRSWA	DCBBIT7 USER'S PROGRAM HAS PROVIDED A SEGMENT WORK AREA POOL (BSAM CREATE BDAM, BDAM)
....1			DCBMRDMD	DCBBIT7 DATA MODE (QSAM)
....1			DCBMRSTI	DCBBIT7 SETL BY ID (QISAM) ALWAYS ZERO (BISAM) RESERVED (BPAM, QTAM, BTAM)

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FOUNDATION AFTER OPEN

40	(28) SIGNED	2	DCBTIOT	OFFSET FROM TIOT ORIGIN TO TIOELNGH FIELD IN TIOT ENTRY FOR DD STATEMENT ASSOCIATED WITH THIS DCB
42	(2A) BITSTRING	2	DCBMACRF	SAME AS DCBMACR BEFORE OPEN
42	(2A) BITSTRING	1	DCBMACF1	FIRST BYTE OF DCBMACRF
43	(2B) BITSTRING	1	DCBMACF2	SECOND BYTE OF DCBMACRF

| 44 | (2C) A-ADDRESS | 4 | DCBDEBAD | ADDRESS OF ASSOCIATED DEB |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
44	(2C) BITSTRING	1	DCBIFLGS	SAME AS DCBIFLG BEFORE OPEN
	11..		DCBIFEC	DCBBIT0+DCBBIT1 ERROR CORRECTION INDICATOR
	..11		DCBIFPCT	DCBBIT2+DCBBIT3 PRINTER CARRIAGE TAPE PUNCH INDICATOR
	.... 11..		DCBIFIOE	DCBBIT4+DCBBIT5 IOS ERROR ROUTINE USE INDICATOR
45	(2D) A-ADDRESS	3	DCBDEBA	ADDRESS OF ASSOCIATED DEB
48	(30) A-ADDRESS	4	DCBREAD	ADDRESS OF READ MODULE
48	(30) A-ADDRESS	4	DCBWRITE	ADDRESS OF WRITE MODULE
48	(30) BITSTRING	1	DCBOFLG	SAME AS DCBOFLGS BEFORE OPEN
49	(31) A-ADDRESS	3	DCBREADA	ADDRESS OF READ MODULE
49	(31) A-ADDRESS	3	DCBWRITA	ADDRESS OF WRITE MODULE

BDAM INTERFACE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
52	(34) A-ADDRESS	4	DCBCHECK	ADDRESS OF CHECK MODULE
52	(34) BITSTRING	1	DCBOPTCD	OPTION CODES
	1...		DCBOPTW	DCBBIT0 WRITE VALIDITY CHECK (DASD) (BSAM, BPAM, QSAM, ISAM, BDAM)
	.1..		DCBOPTTO	DCBBIT1 TRACK OVERFLOW
	..1.		DCBOPTE	DCBBIT2 EXTENDED SEARCH
	...1		DCBOPTF	DCBBIT3 FEEDBACK
	.... 1...		DCBOPTA	DCBBIT4 ACTUAL ADDRESSING
	.... .1..		DCBOPTDB	DCBBIT5 DYNAMIC BUFFERING
	.... ..1.		DCBOPTRE	DCBBIT6 READ EXCLUSIVE
	1		DCBOPTRB	DCBBIT7 RELATIVE BLOCK ADDRESSING

DCB3   DCB3

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
53	(35)	A-ADDRESS	3	DCBCHCKA	ADDRESS OF CHECK MODULE
56	(38)	A-ADDRESS	4	DCBSYNAD	ADDRESS OF SYNAD ROUTINE
60	(3C)	HEX	2		RESERVED
62	(3E)	SIGNED	2	DCBBLKSI	MAXIMUM BLOCK SIZE
64	(40)	A-ADDRESS	4	DCBIOBSQ	ADDRESS OF FIRST IOB ON UNSCHEDULED QUEUE FOR EITHER A WRITE-ADD REQUEST WHEN ANOTHER WRITE-ADD IS IN PROGRESS OR A READ-EXCLUSIVE REQUEST WHEN THE READ-EXCLUSIVE LIST IS FULL
68	(44)	A-ADDRESS	4	DCBSQND	ADDRESS OF LAST IOB ON UNSCHEDULED QUEUE
72	(48)	A-ADDRESS	4	DCBIOBUQ	ADDRESS OF FIRST IOB ON UNPOSTED QUEUE
76	(4C)	A-ADDRESS	4	DCBUQND	ADDRESS OF LAST JOB ON UNPOSTED QUEUE THAT IS MAINTAINED BY THE READ EXCLUSIVE MODULE
80	(50)	HEX	1		RESERVED
81	(51)	SIGNED	3	DCBLIMCT	NUMBER OF TRACKS OR NUMBER OF RELATIVE BLOCKS TO BE SEARCHED (EXTENDED SEARCH OPTION)
84	(54)	A-ADDRESS	4	DCBXARG	ADDRESS OF READ EXCLUSIVE LIST
84	(54)	SIGNED	1	DCBXCNT	NUMBER OF ENTRIES IN READ EXCLUSIVE LIST

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
85 (55)	A-ADDRESS	3	DCBXARGA	ADDRESS OF READ EXCLUSIVE LIST
88 (58)	A-ADDRESS	4	DCBDRDX	ADDRESS OF READ EXCLUSIVE MODULE
88 (58)	SIGNED	1	DCBMVXNO	TOTAL NUMBER OF EXTENTS IN MULTIVOLUME DATA SET
89 (59)	A-ADDRESS	3	DCBDRDXA	ADDRESS OF READ EXCLUSIVE MODULE
92 (5C)	A-ADDRESS	4	DCBDFOR	ADDRESS OF A FORMAT MODULE
96 (60)	A-ADDRESS	4	DCBDFBK	ADDRESS OF A FEEDBACK MODULE
100 (64)	A-ADDRESS	4	DCBDYNB	FOR DYNAMIC BUFFERING, ADDRESS OF DYNAMIC BUFFER MODULE. FOR UNBLOCKED SPANNED RECORDS WITH BFTEK=R SPECIFIED AND NO DYNAMIC BUFFERING, ADDRESS OF SEGMENT WORK AREA CONTROL BLOCK

DCBACBM	27 X'08'	DCBIFC9	49 X'20'
DCBBFA	32 X'03'	DCBIFEC	44 X'C0'
DCBBFAD	32 X'02'	DCBIFER	49 X'00'
DCBBFAF1	32 X'01'	DCBIFIOE	44 X'0C'
DCBBFAF2	32 X'03'	DCBIFLG	49 (31)
DCBBFALN	32 (20)	DCBIFLGS	44 (2C)
DCBBFT	32 X'70'	DCBIFNEP	49 X'00'
DCBBFTA	32 X'60'	DCBIFNE1	49 X'04'
DCBBFTE	32 X'10'	DCBIFNE2	49 X'08'
DCBBFTEK	32 (20)	DCBIFNE3	49 X'0C'
DCBBFTKD	32 X'08'	DCBIFPCT	44 X'30'
DCBBFTKR	32 X'20'	DCBIFPEC	49 X'C0'
DCBBFTR	32 X'20'	DCBIFTIH	49 X'04'
DCBBFTS	32 X'40'	DCBIOBAA	29 (1D)
DCBBITO	0 X'80'	DCBIOBAD	28 (1C)
DCBBIT1	0 X'40'	DCBIOBSQ	64 (40)
DCBBIT2	0 X'20'	DCBIOBUQ	72 (48)
DCBBIT3	0 X'10'	DCBKEYLE	16 (10)
DCBBIT4	0 X'08'	DCBLIMCT	81 (51)
DCBBIT5	0 X'04'	DCBLNP	28 (1C)
DCBBIT6	0 X'02'	DCBMACF1	42 (2A)
DCBBIT7	0 X'01'	DCBMACF2	43 (2B)
DCBBLKSI	62 (3E)	DCBMACR	50 (32)
DCBBUFCA	21 (15)	DCBMACRF	42 (2A)
DCBBUFCB	20 (14)	DCBMACR1	50 (32)
DCBBUFL	24 (18)	DCBMACR2	51 (33)
DCBBUFNO	20 (14)	DCBMRABC	50 X'04'
DCBCHCKA	53 (35)	DCBMRAPG	50 X'20'
DCBCHECK	52 (34)	DCBMRAWR	51 X'02'
DCBDDNAM	40 (28)	DCBMRCHK	50 X'02'
DCBDEBA	45 (2D)	DCBMRCI	50 X'10'
DCBDEBAD	44 (2C)	DCBMRCK	50 X'01'
DCBDEVT	17 (11)	DCBMRCRL	50 X'02'
DCBDFBK	96 (60)	DCBMRCTL	51 X'02'
DCBDFOR	92 (5C)	DCBMRDBF	50 X'04'
DCBDRDX	88 (58)	DCBMRDMD	51 X'01'
DCBDRDXA	89 (59)	DCBMRDMG	50 X'01'
DCBDSGCX	26 X'10'	DCBMRECP	50 X'80'
DCBDSGDA	26 X'20'	DCBMRFE	50 X'40'
DCBDSGGS	27 X'80'	DCBMRGET	50 X'40'
DCBDSGIS	26 X'80'	DCBMRGTQ	51 X'40'
DCBDSGPO	26 X'02'	DCBMRIDW	51 X'08'
DCBDSGPS	26 X'40'	DCBMRLCE	50 X'08'
DCBDSGTQ	27 X'20'	DCBMRLCP	51 X'08'
DCBDSGTR	27 X'04'	DCBMRLDM	51 X'08'
DCBDSGTX	27 X'40'	DCBMRHVG	50 X'10'
DCBDSGU	26 X'01'	DCBMRHVP	51 X'10'
DCBDSORG	26 (1A)	DCBMRPTQ	50 X'40'
DCBDSRG1	26 (1A)	DCBMRPT1	50 X'04'
DCBDSRG2	27 (1B)	DCBMRPT2	51 X'04'
DCBDVTRM	17 X'4F'	DCBMRPUT	51 X'40'
DCBDYNB	100 (64)	DCBMRRD	50 X'20'
DCBEODA	33 (21)	DCBMRRDI	50 X'08'
DCBEODAD	32 (20)	DCBMRRDK	50 X'10'
DCBEX	49 X'40'	DCBMRRDQ	51 X'20'
DCBEXLSA	37 (25)	DCBMRRDX	50 X'02'
DCBEXLST	36 (24)	DCBMRSBG	50 X'04'
DCBHIARC	32 (20)	DCBMRSTI	51 X'01'
DCBHO	32 X'04'	DCBMRSTK	51 X'02'
DCBH1	32 X'80'	DCBMRSTL	51 X'80'
DCBIBEC	49 X'C0'	DCBMRSHA	51 X'01'
DCBIBIOE	49 X'0C'	DCBMRTMD	51 X'04'
DCBIBPCT	49 X'30'	DCBMRUIP	51 X'04'
DCBIFC12	49 X'10'	DCBMRWRK	51 X'10'

DCB4

Common Name: Data Control Block (BTAM)
Macro ID: DCBD
DSECT Name: IHADCB
Created by: Problem program
Subpool and Key: Problem program subpool and key
Size: 90 bytes
Pointed to by: DEBDCBAD field of the DEB data area
            IOBDCBPT field of the IOB data area
            CVTLINKT field of the CVT data area
              (LINKLIB DCB)
            CVTSVDCB field of the CVT data area (SVCLIB
              DCB)
            CVTDCB field of the CVT data area (LOGREC
              DCB)
            DECCBAD field of the DLECB data area (BDAM,
              BSAM, and BTAM DCBs)
            JSCBDCB field of the JSCB data area
              (scheduler DCB)
            LWAPDCB field of the LWA data area (UADS
              DCB)
            SMCAPDCB field of the SMCA data area
              (current SMF DCB)
            SMCAADCB field of the SMCA data area
              (non-current SMF DCB)
            TCBJLB field of the TCB data area (JOBLIB
              DCB)
Serialization: None
Function: This data control block (DCB) describes data sets
being processed by the basic telecommunications access
method (BTAM) routines. The common interface and
foundation extension exist for all DCB formats.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	IHADCB	, DCBPTR
	1...		DCBBIT0	128
	.1..		DCBBIT1	64
	..1.		DCBBIT2	32
	...1		DCBBIT3	16
	.... 1...		DCBBIT4	8
	.... .1..		DCBBIT5	4
	.... ..1.		DCBBIT6	2
	1		DCBBIT7	1
16 (10)	BITSTRING	1	DCBBQFLG	WTTA FLAG BYTE
	.1..		DCBBQWRU	DCBBIT1 WRU FEATURE IS TO BE USED
	..1.		DCBBQIAM	DCBBIT2 IAM FEATURE IS TO BE USED
	...1		DCBBQWRS	DCBBIT3 WRU FEATURE TO BE USED IN SEND HEADER SUBGROUP
	.... 1...		DCBBQWRE	DCBBIT4 WRU FEATURE TO BE USED IN END SEND SUBGROUP
17 (11)	CHARACTER	1	DCBWTEOM	EOM CHARACTER
18 (12)	CHARACTER	1	DCBWTEOT	EOT CHARACTER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
19 (13)	SIGNED	1	DCBWTPAD	NUMBER OF PAD (LTRS) CHARACTERS REQUIRED FOR MOTOR-ON DELAY

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BTAM LINE GROUP INTERFACE

| 20 (14) | A-ADDRESS | 4 | DCBBUFCB | ADDRESS OF BUFFER POOL CONTROL BLOCK |

| 20 (14) | SIGNED | 1 | DCBBUFNO | NUMBER OF BUFFERS OBTAINED BY OPEN |
| 21 (15) | A-ADDRESS | 3 | DCBBUFCA | ADDRESS OF BUFFER POOL CONTROL BLOCK |

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24 (18)	SIGNED	2	DCBBUFL	BUFFER LENGTH
26 (1A)	BITSTRING	2	DCBDSORG	DATA SET ORGANIZATION BEING USED
26 (1A)	BITSTRING	1	DCBDSRG1	FIRST BYTE OF DCBDSORG
	1...		DCBDSGIS	DCBBIT0 IS INDEXED SEQUENTIAL ORGANIZATION
	.1..		DCBDSGPS	DCBBIT1 PS PHYSICAL SEQUENTIAL ORGANIZATION
	..1.		DCBDSGDA	DCBBIT2 DA DIRECT ORGANIZATION
	...1		DCBDSGCX	DCBBIT3 CX BTAM OR QTAM LINE GROUP
	.... ..1.		DCBDSGPO	DCBBIT6 PO PARTITIONED ORGANIZATION
	1		DCBDSGU	DCBBIT7 U UNMOVABLE, THE DATA CONTAINS LOCATION DEPENDENT INFORMATION
27 (1B)	BITSTRING	1	DCBDSRG2	SECOND BYTE OF DCBDSORG
	1...		DCBDSGGS	DCBBIT0 GS GRAPHICS ORGANIZATION
	.1..		DCBDSGTX	DCBBIT1 TX TCAM LINE GROUP
	..1.		DCBDSGTQ	DCBBIT2 TQ TCAM MESSAGE QUEUE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... 1...		DCBACBM	DCBBIT4 ACCESS METHOD CONTROL BLOCK
	.... .1..		DCBDSGTR	DCBBIT5 TR TCAM 3705
28 (1C)	A-ADDRESS	4	DCBIOBAD	BASE FOR ADDRESSING IOB'S (BASE = ADDRESS OF FIRST IOB MINUS LENGTH OF AN IOB)
28 (1C)	SIGNED	1		DCBDEVTP INDEX TO DEVICE ENTRY IN THE DEVICE I/O DIRECTORY
29 (1D)	A-ADDRESS	3	DCBIOBAA	SAME AS DCBIOBAD ABOVE
32 (20)	BITSTRING	1	DCBHIARC	HIERARCHY FLAG BITS
32 (20)	BITSTRING	1	DCBBFTEK	BUFFERING TECHNIQUE FLAG BITS
	1...		DCBH1	DCBBIT0 HIERARCHY 1 MAIN STORAGE BIT 5 IS ZERO
	.111		DCBBFT	DCBBIT1+DCBBIT2 +DCBBIT3 BUFFERING TECHNIQUE
	.11.		DCBBFTA	DCBBIT1+DCBBIT2 QSAM LOCATE MODE PROCESSING OF SPANNED RECORDS OPEN IS TO CONSTRUCT A RECORD AREA IF IT AUTOMATICALLY CONSTRUCTS BUFFERS
	..1.		DCBBFTR	DCBBIT2 FOR BSAM CREATE BDAM PROCESSING OF UNBLOCKED SPANNED RECORDS SOFTWARE TRACK OVERFLOW. FOR BSAM INPUT PROCESSING OF UNBLOCKED SPANNED RECORDS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.1..			DCBBFTS	DCBBIT1 SIMPLE BUFFERING BIT 3 IS ZERO
..1.			DCBBFTKR	DCBBIT2 UNBLOCKED SPANNED RECORDS SOFTWARE TRACK OVERFLOW (BDAM)
...1			DCBBFTE	DCBBIT3 EXCHANGE BUFFERING BIT 1 IS ZERO
.... 1...			DCBBFTKD	DCBBIT4 DYNAMIC BUFFERING (BTAM)
.... .1..			DCBHO	DCBBIT5 HIERARCHY 0 MAIN STORAGE BIT 0 IS ZERO
.... ..11			DCBBFA	DCBBIT6+DCBBIT7 BUFFER ALIGNMENT
.... ..1.			DCBBFAD	DCBBIT6 DOUBLEWORD BOUNDARY
....1			DCBBFAF1	DCBBIT7 FULLWORD NOT A DOUBLEWORD BOUNDARY, CODED IN DCB MACRO INSTRUCTION
.... ..11			DCBBFAF2	DCBBIT6+DCBBIT7 FULLWORD NOT A DOUBLEWORD BOUNDARY, CODED IN DCB MACRO INSTRUCTION
33	(21) BITSTRING	1		DCBERROP ERROR RECOVERY PROCEDURE BITS
34	(22) SIGNED	1		DCBBUFCT MAX NUMBER OF READ BUFFERS
35	(23) HEX	1		RESERVED
36	(24) A-ADDRESS	4	DCBEXLST	ADDRESS OF USER-PROVIDED EXIT LIST
36	(24) SIGNED	1		DCBEIOBX SIZE OF IOB
37	(25) A-ADDRESS	3	DCBEXLSA	ADDRESS OF USER-PROVIDED EXIT LIST
33	(21) BITSTRING	1	DCBERROP	ERROR RECOVERY PROCEDURE BITS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
...1			DCBERPT	DCBBIT3 ON-LINE TEST FACILITIES TO BE USED
.... 1...			DCBERPC	DCBBIT4 THRESHOLD AND CUMULATIVE ERROR COUNTS TO BE MAINTAINED
.... .1..			DCBERPW	DCBBIT5 TEXT-WRITE ERRORS TO BE RETRIED
.... ..1.			DCBERPR	DCBBIT6 TEXT-READ ERRORS TO BE RETRIED
....1			DCBERPN	DCBBIT7 IF ZERO, BASIC ERP TO BE FOLLOWED IF ONE, NO ERP TO BE FOLLOWED
34 (22)	SIGNED	1	DCBBUFCT	CONTAINS MAXIMUM NUMBER OF BUFFERS TO BE OBTAINED BY BTAM FOR READ OPERATION (DYNAMIC BUFFERING ONLY)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
28 (1C)	SIGNED	1	DCBDEVTP	INDEX TO DEVICE ENTRY IN THE DEVICE I/O DIRECTORY

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
36 (24)	SIGNED	1	DCBEIOBX	SIZE OF EXTENDED IOB. SIZE OF AN IOB ASSOCIATED WITH THIS DCB

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FOUNDATION BEFORE OPEN

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
40 (28)	CHARACTER	8	DCBDDNAM	NAME ON THE DD STATEMENT WHICH DEFINES THE DATA SET ASSOCIATED WITH THIS DCB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
48 (30)	BITSTRING	1	DCBOFLGS	FLAGS USED BY OPEN ROUTINE
1...			DCBOFLWR	DCBBIT0 IF ZERO, LAST I/O OPERATION WAS READ OR POINT. IF ONE, LAST

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				I/O OPERATION WAS WRITE.
1...			DCBOFIOO	DCBBIT0 DATA SET IS BEING OPENED FOR INPUT OR OUTPUT (BDAM)
.1..			DCBOFLRB	DCBBIT1 LAST I/O OPERATION WAS IN READ BACKWARD MODE
..1.			DCBOFEOV	DCBBIT2 SET TO 1 BY EOV WHEN IT CALLS CLOSE ROUTINE FOR CONCATENATION OF DATA SETS WITH UNLIKE ATTRIBUTES
...1			DCBOFOPN	DCBBIT3 AN OPEN HAS BEEN SUCCESSFULLY COMPLETED
.... 1...			DCBOFPPC	DCBBIT4 SET TO 1 BY PROBLEM PROGRAM TO INDICATE A CONCATENATION OF UNLIKE ATTRIBUTES
.... .1..			DCBOFTM	DCBBIT5 TAPE MARK HAS BEEN READ
.... ..1.			DCBOFUEX	DCBBIT6 SET TO 0 BY AN I/O SUPPORT FUNCTION WHEN THAT FUNCTION TAKES A USER EXIT. SET TO 1 ON RETURN FROM USER EXIT TO THE I/O SUPPORT FUNCTION WHICH TOOK THE EXIT.
....1			DCBOFIOF	DCBBIT7 SET TO 1 BY AN I/O SUPPORT FUNCTION IF DCB IS TO BE PROCESSED BY THAT FUNCTION
49 (31)	BITSTRING	1	DCBIFLG	FLAGS USED BY IOS IN COMMUNICATING ERROR CONDITIONS AND IN DETERMINING CORRECTIVE PROCEDURES

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	11..		DCBIBEC	DCBBIT0+DCBBIT1 ERROR CORRECTION INDICATOR
	....		DCBIFNEP	X'00' NOT IN ERROR PROCEDURE
	.1..		DCBEX	DCBBIT1 ERROR CORRECTION OR IOS PAGE FIX IN PROCESS
	11..		DCBIFPEC	DCBBIT0+DCBBIT1 PERMANENT ERROR CORRECTION
	..11		DCBIBPCT	DCBBIT2+DCBBIT3 PRINTER CARRIAGE TAPE PUNCH INDICATOR
	..1.		DCBIFC9	DCBBIT2 CHANNEL 9 PRINTER CARRIAGE TAPE PUNCH SENSED
	...1		DCBIFC12	DCBBIT3 CHANNEL 12 PRINTER CARRIAGE TAPE PUNCH SENSED
	.... 11..		DCBIBIOE	DCBBIT4+DCBBIT5 IOS ERROR ROUTINE USE INDICATOR
	....		DCBIFER	X'00' ALWAYS USE I/O SUPERVISOR ERROR ROUTINE
	.... .1..		DCBIFNE1	DCBBIT5 NEVER USE I/O SUPERVISOR ERROR ROUTINE
	.... .1..		DCBIFTIM	DCBBIT5 TEST IOS MASK (IMSK) FOR ERROR PROCEDURE (BTAM)
	.... 1...		DCBIFNE2	DCBBIT4 NEVER USE I/O SUPERVISOR ERROR ROUTINE
	.... 11..		DCBIFNE3	DCBBIT4+DCBBIT5 NEVER USE I/O SUPERVISOR ERROR ROUTINE
50	(32) BITSTRING	2	DCBMACR	MACRO INSTRUCTION REFERENCE
50	(32) BITSTRING	1	DCBMACR1	FIRST BYTE OF DCBMACR

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			DCBMRECP	DCBBIT0 EXECUTE CHANNEL PROGRAM (EXCP) ALWAYS ZERO (BSAM, QSAM, BPAM, BISAM, QISAM, BDAM) RESERVED (QTAM, BTAM)
.1..			DCBMRFE	DCBBIT1 FOUNDATION EXTENSION IS PRESENT (EXCP)
.1..			DCBMRGET	DCBBIT1 GET (QSAM, QISAM, TCAM)
.1..			DCBMRPTQ	DCBBIT1 PUT FOR MESSAGE GROUP (QTAM) ALWAYS ZERO (BSAM, BPAM, BISAM, BDAM) RESERVED (BTAM)
..1.			DCBMRAPG	DCBBIT2 APPENDAGES ARE REQUIRED (EXCP)
..1.			DCBMRRD	DCBBIT2 READ (BSAM, BPAM, BISAM, BDAM, BTAM)
..1.			DCBMRWRQ	DCBBIT2 WRITE FOR LINE GROUP (QTAM) ALWAYS ZERO (QSAM, QISAM)
...1			DCBMRCI	DCBBIT3 COMMON INTERFACE (EXCP)
...1			DCBMRMVG	DCBBIT3 MOVE MODE OF GET (QSAM, QISAM)
...1			DCBMRRDK	DCBBIT3 KEY SEGMENT WITH READ (BDAM) ALWAYS ZERO (BISAM) RESERVED (BSAM, BPAM, QTAM, BTAM)
.... 1...			DCBMRLCG	DCBBIT4 LOCATE MODE OF GET (QSAM, QISAM)
.... 1...			DCBMRRDI	DCBBIT4 IO ARGUMENT WITH READ (BDAM) ALWAYS ZERO (BISAM) RESERVED (EXCP, BSAM, BPAM, QTAM,

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				BTAM)
	.... .1..		DCBMRABC	DCBBIT5 USER'S PROGRAM MAINTAINS ACCURATE BLOCK COUNT (EXCP)
	.... .1..		DCBMRPT1	DCBBIT5 POINT (WHICH IMPLIES NOTE) (BSAM, BPAM)
	.... .1..		DCBMRSBG	DCBBIT5 SUBSTITUTE MODE OF GET (QSAM)
	.... .1..		DCBMRDBF	DCBBIT5 DYNAMIC BUFFERING (BISAM, BDAM) ALWAYS ZERO (QISAM) RESERVED (QTAM, BTAM)
	.... ..1.		DCBPGFXA	DCBBIT6 PAGE FIX APPENDAGE IS SPECIFIED (EXCP)
	.... ..1.		DCBMRCRL	DCBBIT6 CNTRL (BSAM, QSAM)
	.... ..1.		DCBMRCHK	DCBBIT6 CHECK (BISAM)
	.... ..1.		DCBMRRDX	DCBBIT6 READ EXCLUSIVE (BDAM) RESERVED (BPAM, QISAM, QTAM, BTAM)
	1		DCBMRDMG	DCBBIT7 DATA MODE OF GET (QSAM)
	1		DCBMRCK	DCBBIT7 CHECK (BDAM) RESERVED (EXCP, BSAM, BPAM, BISAM, QISAM, QTAM, BTAM)
51 (33)	BITSTRING	1	DCBMACR2	SECOND BYTE OF DCBMACR
	1...		DCBMRSTL	DCBBIT0 SETL (QISAM) ALWAYS ZERO (BSAM, QSAM, BPAM, BISAM, BDAM) RESERVED (EXCP, QTAM, BTAM)
	.1..		DCBMRPUT	DCBBIT1 PUT (QSAM, TCAM) PUT OR PUTX (QISAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.1..			DCBMRGTQ	DCBBIT1 GET FOR MESSAGE GROUP (QTAM) ALWAYS ZERO (BSAM, BPAM, BISAM, BDAM) RESERVED (EXCP, BTAM)
..1.			DCBMRWRT	DCBBIT2 WRITE (BSAM, BPAM, BISAM, BDAM, BTAM)
..1.			DCBMRRDQ	DCBBIT2 READ FOR LINE GROUP (QTAM) ALWAYS ZERO (QSAM, QISAM) RESERVED (EXCP)
...1			DCBMRMVP	DCBBIT3 MOVE MODE OF PUT (QSAM, QISAM)
...1			DCBMRWRK	DCBBIT3 KEY SEGMENT WITH WRITE (BDAM) ALWAYS ZERO (BISAM) RESERVED (EXCP, BSAM, BPAM, QTAM, BTAM)
.... 1...			DCBMR5WD	DCBBIT4 FIVE-WORD DEVICE INTERFACE (EXCP)
.... 1...			DCBMRLDM	DCBBIT4 LOAD MODE BSAM (CREATE BDAM DATA SET) (BSAM)
.... 1...			DCBMRLCP	DCBBIT4 LOCATE MODE OF PUT (QSAM, QISAM)
.... 1...			DCBMRIDW	DCBBIT4 ID ARGUMENT WITH WRITE (BDAM) ALWAYS ZERO (BISAM) RESERVED (BPAM, QTAM, BTAM)
.... .1..			DCBMR4WD	DCBBIT5 FOUR-WORD DEVICE INTERFACE (EXCP)
.... .1..			DCBMRPT2	DCBBIT5 POINT (WHICH IMPLIES NOTE) (BSAM, BPAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... .1..		DCBMRTMD	DCBBIT5 SUBSTITUTE MODE (QSAM)
	.... .1..		DCBMRUIP	DCBBIT5 UPDATE IN PLACE (PUTX) (QISAM) ALWAYS ZERO (BISAM) RESERVED (BDAM, QTAM, BTAM)
	.... ..1.		DCBMR3WD	DCBBIT6 THREE-WORD DEVICE INTERFACE (EXCP)
	.... ..1.		DCBMRCTL	DCBBIT6 CNTRL (BSAM, QSAM)
	.... ..1.		DCBMRSTK	DCBBIT6 SETL BY KEY (QISAM)
	.... ..1.		DCBMRAWR	DCBBIT6 ADD TYPE OF WRITE (BDAM) ALWAYS ZERO (BISAM) RESERVED (BPAM, QTAM, BTAM)
	1		DCBMR1WD	DCBBIT7 ONE-WORD DEVICE INTERFACE (EXCP)
	1		DCBMRSWA	DCBBIT7 USER'S PROGRAM HAS PROVIDED A SEGMENT WORK AREA POOL (BSAM CREATE BDAM, BDAM)
	1		DCBMRDMD	DCBBIT7 DATA MODE (QSAM)
	1		DCBMRSTI	DCBBIT7 SETL BY ID (QISAM) ALWAYS ZERO (BISAM) RESERVED (BPAM, QTAM, BTAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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FOUNDATION AFTER OPEN

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
40 (28)	SIGNED	2	DCBTIOT	OFFSET FROM TIOT ORIGIN TO TIOELNGH FIELD IN TIOT ENTRY FOR DD STATEMENT ASSOCIATED WITH THIS DCB
42 (2A)	BITSTRING	2	DCBMACRF	SAME AS DCBMACR BEFORE OPEN
42 (2A)	BITSTRING	1	DCBMACF1	FIRST BYTE OF DCBMACRF
43 (2B)	BITSTRING	1	DCBMACF2	SECOND BYTE OF DCBMACRF

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
44 (2C)	A-ADDRESS	4	DCBDEBAD	ADDRESS OF ASSOCIATED DEB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
44 (2C)	BITSTRING	1	DCBIFLGS	SAME AS DCBIFLG BEFORE OPEN
	11..		DCBIFEC	DCBBIT0+DCBBIT1 ERROR CORRECTION INDICATOR
	..11		DCBIFPCT	DCBBIT2+DCBBIT3 PRINTER CARRIAGE TAPE PUNCH INDICATOR
	.... 11..		DCBIFIOE	DCBBIT4+DCBBIT5 IOS ERROR ROUTINE USE INDICATOR
45 (2D)	A-ADDRESS	3	DCBDEBA	ADDRESS OF ASSOCIATED DEB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
48 (30)	A-ADDRESS	4	DCBREAD	ADDRESS OF READ MODULE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
48 (30)	A-ADDRESS	4	DCBWRITE	ADDRESS OF WRITE MODULE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
48 (30)	BITSTRING	1	DCBOFLG	SAME AS DCBOFLGS BEFORE OPEN
49 (31)	A-ADDRESS	3	DCBREADA	ADDRESS OF READ MODULE
49 (31)	A-ADDRESS	3	DCBWRITA	ADDRESS OF WRITE MODULE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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BTAM INTERFACE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
52 (34)	A-ADDRESS	4	DCBLERB	ADDRESS OF LINE ERROR BLOCK

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
52 (34)	HEX	1	DCBRDYI	READYQ INDICATORS
	.... ..1.		DCBRDYIQ	DCBBIT6 ADDRESS IS READYQ AND NOT LERB
	1		DCBRDYIZ	DCBBIT7 READYQ SPECIFIED, BUT ADDRESS WAS 0, SO USING BTAM READYQ ROUTINE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
52 (34)	A-ADDRESS	4	DCBRDYQ	ADDRESS OF USER/BTAM ROUTINE TO PROCESS LOCAL 3270 DEVICE READY INTERRUPTS

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BSC INTERFACE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
56 (38)	BITSTRING	1	DCBXMODE	MODE OF TRANSMISSION FOR BINARY SYNCHRONOUS COMMUNICATION (BSC)
	.1..		DCBXMIBC	DCBBIT1 INTERMEDIATE BLOCK CHECKING IS TO BE PERFORMED
	..1.		DCBXMDA1	DCBBIT2 TRANSMISSION IS THROUGH A 2701 DATA ADAPTER UNIT DUAL COMMUNICATION INTERFACE B
	.... 1...		DCBXMDA2	DCBBIT4 TRANSMISSION IS IN CODE B FOR A 2701 DATA ADAPTER UNIT DUAL CODE FEATURE
57 (39)	BITSTRING	1	DCBXCODE	BSC CONTROL STATION FLAG AND TRANSMISSION

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				CODE
1...			DCBXCCSF	DCBBIT0 BSC CONTROL STATION FLAG IF ZERO, THIS IS THE CONTROL STATION. IF ONE, THIS IS THE REMOTE STATION.
.1..			DCBXCPTP	DCBBIT1 IF PTOP IS SPECIFIED IN SYSGEN PROCEDURE SCHEDULE AN ASYNCHRONOUS EXIT TO INTERFACE RESOLUTION ROUTINE
..1.			DCBXCTR1	DCBBIT2 6-BIT TRANSCODE IS BEING USED (BIT 4 IS ALSO ON)
...1			DCBXCAS1	DCBBIT3 USASCII TRANSMISSION CODE IS BEING USED (BIT 5 IS ALSO ON)
.... 11..			DCBXCEBC	DCBBIT4+DCBBIT5 IF BOTH BITS ARE ZERO, EBCDIC TRANSMISSION CODE IS BEING USED.
.... 1...			DCBXCTR2	DCBBIT4 6-BIT TRANSCODE IS BEING USED (BIT 2 IS ALSO ON)
.... .1..			DCBXCAS2	DCBBIT5 USASCII TRANSMISSION CODE IS BEING USED (BIT 3 IS ALSO ON)
58 (3A)	CHARACTER	1	DCBBSRSV	DLE CONTROL CHARACTER
59 (3B)	HEX	1	DCBBSWBT	RESERVED
60 (3C)	A-ADDRESS	4	DCBIRRAD	BEFORE OPEN IF PTOP IS SPECIFIED IN THE SYSGEN PROCEDURE, ADDRESS OF INTERFACE RESOLUTION ROUTINE. AFTER OPEN, THE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				FOLLOWING 4 CHARACTERS OCCUPY THIS SPACE.
60 (3C)	CHARACTER	1	DCBBSTSX	DLE CONTROL CHARACTER
61 (3D)	CHARACTER	1	DCBBSSTX	STX CONTROL CHARACTER
62 (3E)	CHARACTER	1	DCBBSTEX	DLE CONTROL CHARACTER
63 (3F)	CHARACTER	1	DCBBSETX	ETX CONTROL CHARACTER
64 (40)	CHARACTER	2	DCBBSAK0	ACK-0 CONTROL CHARACTER
66 (42)	CHARACTER	2	DCBBSAK1	ACK-1 CONTROL CHARACTER
68 (44)	CHARACTER	1	DCBBSENQ	ENQ CONTROL CHARACTER
69 (45)	CHARACTER	1	DCBBSNAK	NAK CONTROL CHARACTER
70 (46)	CHARACTER	1	DCBBSETB	ETB CONTROL CHARACTER
71 (47)	CHARACTER	1	DCBBSDLE	DLE CONTROL CHARACTER
72 (48)	CHARACTER	1	DCBBSEOT	EOT CONTROL CHARACTER
73 (49)	CHARACTER	3	DCBBSSYN	SYN, SYN, SYN CONTROL CHARACTERS
76 (4C)	CHARACTER	2	DCBBSONL	SOH % CONTROL CHARACTERS
78 (4E)	CHARACTER	2	DCBBSSAK	WACK CONTROL CHARACTERS
80 (50)	CHARACTER	2	DCBBSRVI	DLE CONTROL CHARACTERS
82 (52)	HEX	18		RESERVED

DCBACBH	27 X'08'	DCBDSRG2	27 (1B)
DCBBFA	32 X'03'	DCBEIOBX	36 (24)
DCBBFAD	32 X'02'	DCBERPC	33 X'08'
DCBBFAF1	32 X'01'	DCBERPN	33 X'01'
DCBBFAF2	32 X'03'	DCBERPR	33 X'02'
DCBBFT	32 X'70'	DCBERPT	33 X'10'
DCBBFTA	32 X'60'	DCBERPW	33 X'04'
DCBBFTE	32 X'10'	DCBERROP	33 (21)
DCBBFTEK	32 (20)	DCBEX	49 X'40'
DCBBFTKD	32 X'08'	DCBEXLSA	37 (25)
DCBBFTKR	32 X'20'	DCBEXLST	36 (24)
DCBBFTR	32 X'20'	DCBHIARC	32 (20)
DCBBFTS	32 X'40'	DCBHO	32 X'04'
DCBBITO	0 X'80'	DCBH1	32 X'80'
DCBBIT1	0 X'40'	DCBIBEC	49 X'C0'
DCBBIT2	0 X'20'	DCBIBIOE	49 X'0C'
DCBBIT3	0 X'10'	DCBIBPCT	49 X'30'
DCBBIT4	0 X'08'	DCBIFC12	49 X'10'
DCBBIT5	0 X'04'	DCBIFC9	49 X'20'
DCBBIT6	0 X'02'	DCBIFEC	44 X'C0'
DCBBIT7	0 X'01'	DCBIFER	49 X'00'
DCBBQFLG	16 (10)	DCBIFIOE	44 X'0C'
DCBBQIAM	16 X'20'	DCBIFLG	49 (31)
DCBBQKRE	16 X'08'	DCBIFLGS	44 (2C)
DCBBQKRS	16 X'10'	DCBIFNEP	49 X'00'
DCBBQKRU	16 X'40'	DCBIFNE1	49 X'04'
DCBBDSAKO	64 (40)	DCBIFNE2	49 X'08'
DCBBSAK1	66 (42)	DCBIFNE3	49 X'0C'
DCBBSDLE	71 (47)	DCBIFPCT	44 X'30'
DCBBSENQ	68 (44)	DCBIFPEC	49 X'C0'
DCBBSEOT	72 (48)	DCBIFTIM	49 X'04'
DCBBSETB	70 (46)	DCBIOBAA	29 (1D)
DCBBSETX	63 (3F)	DCBIOBAD	28 (1C)
DCBBSNAK	69 (45)	DCBIRRAD	60 (3C)
DCBBSONL	76 (4C)	DCBLERB	52 (34)
DCBBSRSV	58 (3A)	DCBMACF1	42 (2A)
DCBBSRVI	80 (50)	DCBMACF2	43 (2B)
DCBBSSAK	78 (4E)	DCBMACR	50 (32)
DCBBSSTX	61 (3D)	DCBMACRF	42 (2A)
DCBBSSYN	73 (49)	DCBMACR1	50 (32)
DCBBSTEX	62 (3E)	DCBMACR2	51 (33)
DCBBSTSX	60 (3C)	DCBMRABC	50 X'04'
DCBBSWBT	59 (3B)	DCBMRAPG	50 X'20'
DCBBUFCA	21 (15)	DCBMRAKR	51 X'02'
DCBBUFCB	20 (14)	DCBMRCHK	50 X'02'
DCBBUFCT	34 (22)	DCBMRCI	50 X'10'
DCBBUFL	24 (18)	DCBMRCK	50 X'01'
DCBBUFNO	20 (14)	DCBMRCRL	50 X'02'
DCBDDNAM	40 (28)	DCBMRCTL	51 X'02'
DCBDEBA	45 (2D)	DCBMRDBF	50 X'04'
DCBDEBAD	44 (2C)	DCBMRDMD	51 X'01'
DCBDEVTP	28 (1C)	DCBMRDMG	50 X'01'
DCBDDSGCX	26 X'10'	DCBMRECP	50 X'80'
DCBDSGDA	26 X'20'	DCBMRFE	50 X'40'
DCBDSGGS	27 X'80'	DCBMRGET	50 X'40'
DCBDSGIS	26 X'80'	DCBMRGTQ	51 X'40'
DCBDSGPO	26 X'02'	DCBMRIDW	51 X'08'
DCBDSGPS	26 X'40'	DCBMRLCG	50 X'08'
DCBDSGTQ	27 X'20'	DCBMRLCP	51 X'08'
DCBDSGTR	27 X'04'	DCBMRLDM	51 X'08'
DCBDSGTX	27 X'40'	DCBMRMVG	50 X'10'
DCBDSGU	26 X'01'	DCBMRMVP	51 X'10'
DCBDSORG	26 (1A)	DCBMRPTQ	50 X'40'
DCBDSRG1	26 (1A)	DCBMRPT1	50 X'04'

CROSS REFERENCE

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DCBMRPT2    51 X'04'
DCBMRPUT    51 X'40'
DCBMRRD     50 X'20'
DCBMRRDI    50 X'08'
DCBMRRDK    50 X'10'
DCBMRRDQ    51 X'20'
DCBMRRDX    50 X'02'
DCBMRSBG    50 X'04'
DCBMRSTI    51 X'01'
DCBMRSTK    51 X'02'
DCBMRSTL    51 X'80'
DCBMRSWA    51 X'01'
DCBMRTMD    51 X'04'
DCBMRUIP    51 X'04'
DCBMRWRK    51 X'10'
DCBMRWRQ    50 X'20'
DCBMRWRT    51 X'20'
DCBMR1WD    51 X'01'
DCBMR3WD    51 X'02'
DCBMR4WD    51 X'04'
DCBMR5WD    51 X'08'
DCBOFEOV    48 X'20'
DCBOFIOD    48 X'80'
DCBOFIOF    48 X'01'
DCBOFLG     48 (30)
DCBOFLGS    48 (30)
DCBOFLRB    48 X'40'
DCBOFLWR    48 X'80'
DCBOFOPN    48 X'10'
DCBOFPPC    48 X'08'
DCBOFTM     48 X'04'
DCBOFUEX    48 X'02'
DCBPGFXA    50 X'02'
DCBRDYI     52 (34)
DCBRDYIQ    52 X'02'
DCBRDYIZ    52 X'01'
DCBRDYQ     52 (34)
DCBREAD     48 (30)
DCBREADA    49 (31)
DCBTIOT     40 (28)
DCBWRITA    49 (31)
DCBWRITE    48 (30)
DCBWTEOM    17 (11)
DCBWTEOT    18 (12)
DCBWTPAD    19 (13)
DCBXCAS1    57 X'10'
DCBXCAS2    57 X'04'
DCBXCCSF    57 X'80'
DCBXCEBC    57 X'0C'
DCBXCODE    57 (39)
DCBXCPTP    57 X'40'
DCBXCTR1    57 X'20'
DCBXCTR2    57 X'08'
DCBXMDA1    56 X'20'
DCBXMDA2    56 X'08'
DCBXMIBC    56 X'40'
DCBXMODE    56 (38)
IHADCB       0  (0)
```

Common Name: Data Control Block (TCAM)
Macro ID: DCBD
DSECT Name: IHADCB
Created by: Problem program
Subpool and Key: Problem program subpool and key
Size: Variable 64 bytes
Pointed to by: DEBDCBAD field of the DEB data area
IOBDCBPT field of the IOB data area
CVTLINKT field of the CVT data area
(LINKLIB DCB)
CVTSVDCB field of the CVT data area (SVCLIB
DCB)
CVTDCB field of the CVT data area (LOGREC
DCB)
JSCBDCB field of the JSCB data area
(scheduler DCB)
LWAPDCB field of the LWA data area (UADS
DCB)
SMCAPDCB field of the SMCA data area
(current SMF DCB)
SMCAADCB field of the SMCA data area
(non-current SMF DCB)
TCBJLB field of the TCB data area (JOBLIB
DCB)
Serialization: None
Function: The format of the data control block (DCB) used
by the telecommunications access method (TCAM) depends on
the type of data set it represents. The five types of DCB
formats used in TCAM message control programs and
application programs are:
*. Line groups.
*. Message queues.
*. Checkpoint data set.
*. Message logging.
*. Application programs.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	IHADCB	, DCBPTR
1...			DCBBIT0	128
.1..			DCBBIT1	64
..1.			DCBBIT2	32
...1			DCBBIT3	16
.... 1...			DCBBIT4	8
.... .1..			DCBBIT5	4
.... ..1.			DCBBIT6	2
....1			DCBBIT7	1
16	(10) BITSTRING	1	DCBBQFLG	WTTA FLAG BYTE
.1..			DCBBQWRU	DCBBIT1 WRU FEATURE IS TO BE USED
..1.			DCBBQIAM	DCBBIT2 IAM FEATURE IS TO BE USED
...1			DCBBQWRS	DCBBIT3 WRU FEATURE TO BE USED IN SEND HEADER SUBGROUP

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... 1...			DCBBQWRE	DCBBIT4 WRU FEATURE TO BE USED IN END SEND SUBGROUP
17 (11)	CHARACTER	1	DCBWTEOM	EOM CHARACTER
18 (12)	CHARACTER	1	DCBWTEOT	EOT CHARACTER
19 (13)	SIGNED	1	DCBWTPAD	NUMBER OF PAD (LTRS) CHARACTERS REQUIRED FOR MOTOR-ON DELAY

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TCAM LINE GROUP INTERFACE

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OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
20 (14)	A-ADDRESS	4	DCBMHA	SAME AS DCBMH BELOW

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| 20 (14) | BITSTRING | 1 | DCBBUFIN | NUMBER OF INPUT BUFFERS (BITS 0-3) |

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OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
20 (14)	BITSTRING	1	DCBBUFOU	NUMBER OF OUTPUT BUFFERS (BITS 4-7)
1111			DCBBFIN	DCBBIT0+DCBBIT1+DCBBIT2+DCBBIT3 NUMBER OF BUFFERS ASSIGNED INITIALLY FOR RECEIVING OPERATIONS, FOR EACH LINE IN LINE GROUP
.... 1111			DCBBFOUT	DCBBIT4+DCBBIT5+DCBBIT6+DCBBIT7 NUMBER OF BUFFERS ASSIGNED INITIALLY FOR SENDING OPERATIONS, FOR EACH LINE IN LINE GROUP
21 (15)	A-ADDRESS	3	DCBMH	ADDRESS OF MESSAGE HANDLER FOR THIS LINE GROUP

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OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
24 (18)	SIGNED	1		DCBINTVL NUMBER OF SECONDS OF INVITATION DELAY
25 (19)	BITSTRING	1	DCBPCI	PROGRAM CONTROLLED INTERRUPTION HANDLING
1...			DCBPCIX1	DCBBIT0 PCI=(X,)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.1..			DCBPCIX2	DCBBIT1 PCI=(,X)
..1.			DCBPCIA1	DCBBIT2 PCI=(A,)
...1			DCBPCIA2	DCBBIT3 PCI=(,A)
.... 1...			DCBPCIN1	DCBBIT4 PCI=(N,)
.... .1..			DCBPCIN2	DCBBIT5 PCI=(,N)
.... ..1.			DCBPCIR1	DCBBIT6 PCI=(R,)
....1			DCBPCIR2	DCBBIT7 PCI=(,R)
26 (1A)	BITSTRING	2	DCBDSORG	DATA SET ORGANIZATION BEING USED
26 (1A)	BITSTRING	1	DCBDSRG1	FIRST BYTE OF DCBDSORG
1...			DCBDSGIS	DCBBIT0 IS INDEXED SEQUENTIAL ORGANIZATION
.1..			DCBDSGPS	DCBBIT1 PS PHYSICAL SEQUENTIAL ORGANIZATION
..1.			DCBDSGDA	DCBBIT2 DA DIRECT ORGANIZATION
...1			DCBDSGCX	DCBBIT3 CX BTAM OR QTAM LINE GROUP
.... ..1.			DCBDSGPO	DCBBIT6 PO PARTITIONED ORGANIZATION
....1			DCBDSGU	DCBBIT7 U UNMOVABLE, THE DATA CONTAINS LOCATION DEPENDENT INFORMATION
27 (1B)	BITSTRING	1	DCBDSRG2	SECOND BYTE OF DCBDSORG
1...			DCBDSGGS	DCBBIT0 GS GRAPHICS ORGANIZATION
.1..			DCBDSGTX	DCBBIT1 TX TCAM LINE GROUP
..1.			DCBDSGTQ	DCBBIT2 TQ TCAM MESSAGE QUEUE
.... 1...			DCBACBM	DCBBIT4 ACCESS METHOD CONTROL BLOCK
.... .1..			DCBDSGTR	DCBBIT5 TR TCAM 3705
28 (1C)	SIGNED	1	DCBBUFMA	MAXIMUM NUMBER OF BUFFERS TO BE USED FOR DATA TRANSFER FOR EACH LINE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				IN THIS GROUP

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QTAM LINE GROUP INTERFACE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
20	(14) A-ADDRESS	4	DCBCLPS	ADDRESS OF LINE PROCEDURE SPECIFICATION ROUTINE
20	(14) SIGNED	1	DCBBUFRQ	NUMBER OF BUFFERS REQUESTED FOR A READ OR WRITE OPERATION
21	(15) A-ADDRESS	3	DCBCLPSA	SAME AS DCBCLPS ABOVE
24	(18) SIGNED	1	DCBINTVL	NUMBER OF SECONDS OF INTENTIONAL DELAY BETWEEN PASSES THROUGH A POLLING LIST FOR NONSWITCHED LINES
25	(19) HEX	1		RESERVED
26	(1A) BITSTRING	2	DCBDSORG	DATA SET ORGANIZATION
26	(1A) BITSTRING	1	DCBDSRG1	FIRST BYTE OF DCBDSORG
27	(1B) BITSTRING	1	DCBDSRG2	SECOND BYTE OF DCBDSORG
28	(1C) A-ADDRESS	4	DCBIOBAD	ADDRESS OF FIRST IOB
28	(1C) A-ADDRESS	1	DCBDEVTP	DEVICE TYPE POINTER
29	(1D) A-ADDRESS	3	DCBIOBAA	ADDRESS OF FIRST IOB
32	(20) A-ADDRESS	4	DCBTRANA	ADDRESS OF TRANSLATION TABLE
32	(20) BITSTRING	1	DCBCPRI	COMMUNICATION PRIORITY BITS
33	(21) A-ADDRESS	3	DCBTRANS	ADDRESS OF TRANSLATION TABLE
32	(20) A-ADDRESS	4	DCBLCBAD	BASE FOR ADDRESSING LCB'S (BASE = ADDRESS OF FIRST LCB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				MINUS LENGTH OF ONE LCB)
32 (20)	BITSTRING	1	DCBCPRI	COMMUNICATION PRIORITY BITS
.... .1..			DCBCPR	DCBBIT5 RECEIVING HAS PRIORITY
.... ..1.			DCBCPE	DCBBIT6 RECEIVING AND SENDING HAVE EQUAL PRIORITY
....1			DCBCPS	DCBBIT7 SENDING HAS PRIORITY
33 (21)	A-ADDRESS	3	DCBLCBA	SAME AS DCBLCBAD ABOVE
36 (24)	A-ADDRESS	4	DCBEXLST	ADDRESS OF EXIT LIST
36 (24)	SIGNED	1	DCBEIOBX	EXTENDED IOB INDEX. SIZE OF LCB
37 (25)	A-ADDRESS	3	DCBEXLSA	ADDRESS OF EXIT LIST

TCAM MESSAGE QUEUE INTERFACE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
20 (14)	A-ADDRESS	4	DCBTRMAD	ADDRESS OF USER-PROVIDED AREA IN WHICH THE TERMINAL NAME IS STORED
20 (14)	SIGNED	1		DCBBUFRQ NUMBER OF BUFFERS TO BE FILLED FROM THE DIRECT ACCESS QUEUE
21 (15)	A-ADDRESS	3	DCBTRMA	SAME AS DCBTRMAD ABOVE
24 (18)	SIGNED	2	DCBSOWA	SIZE OF USER-PROVIDED WORK AREA
26 (1A)	BITSTRING	2		DCBDSORG DATA SET ORGANIZATION
26 (1A)	BITSTRING	1		DCBDSRG1 FIRST BYTE OF DCBDSORG
27 (1B)	BITSTRING	1		DCBDSRG2 SECOND BYTE OF DCBDSORG
28 (1C)	A-ADDRESS	4		DCBIOBAD BASE FOR ADDRESSING IOB'S

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
28 (1C)	A-ADDRESS	4	DCBSEGAD	ADDRESS OF CURRENT SEGMENT
32 (20)	SIGNED	1	DCBTHRES	FOR NON-REUSABLE MESSAGE QUEUE RECORDS, PERCENTAGE OF NON-REUSABLE DISK MESSAGE QUEUE RECORDS TO BE USED BEFORE A FLUSH CLOSEDOWN OF THE SYSTEM IS INITIATED. FOR REUSABLE MESSAGE QUEUE RECORDS AND CHECKPOINT RECORDS, THIS FIELD IS RESERVED
32 (20)	A-ADDRESS	4	DCBECDAD	ADDRESS OF USER-PROVIDED ROUTINE
36 (24)	A-ADDRESS	4		DCBEXLST ADDRESS OF EXIT LIST
36 (24)	CHARACTER	1	DCBRECFM	RECORD FORMAT
	.... ..1.		DCBRECR	X'02' RECORD
	.... .1..		DCBRECG	X'04' MESSAGE
	.... 1...		DCBRECS	X'08' SEGMENT
37 (25)	A-ADDRESS	3		DCBEXLSA ADDRESS OF EXIT LIST

FOUNDATION BEFORE OPEN

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
40 (28)	CHARACTER	8	DCBDDNAM	NAME ON THE DD STATEMENT WHICH DEFINES THE DATA SET ASSOCIATED WITH THIS DCB
48 (30)	BITSTRING	1	DCBOFLGS	FLAGS USED BY OPEN ROUTINE
	1...		DCBOFLWR	IF ZERO, LAST I/O OPERATION WAS READ OR POINT. IF ONE, LAST I/O OPERATION WAS WRITE.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			DCBOFIOD	DCBBIT0 DATA SET IS BEING OPENED FOR INPUT OR OUTPUT (BDAM)
.1..			DCBOFLRB	DCBBIT1 LAST I/O OPERATION WAS IN READ BACKWARD MODE
..1.			DCBOFEOV	DCBBIT2 SET TO 1 BY EOV WHEN IT CALLS CLOSE ROUTINE FOR CONCATENATION OF DATA SETS WITH UNLIKE ATTRIBUTES
...1			DCBOFOPN	DCBBIT3 AN OPEN HAS BEEN SUCCESSFULLY COMPLETED
.... 1...			DCBOFPPC	DCBBIT4 SET TO 1 BY PROBLEM PROGRAM TO INDICATE A CONCATENATION OF UNLIKE ATTRIBUTES
.... .1..			DCBOFTM	DCBBIT5 TAPE MARK HAS BEEN READ
.... ..1.			DCBOFUEX	DCBBIT6 SET TO 0 BY AN I/O SUPPORT FUNCTION WHEN THAT FUNCTION TAKES A USER EXIT. SET TO 1 ON RETURN FROM USER EXIT TO THE I/O SUPPORT FUNCTION WHICH TOOK THE EXIT.
....1			DCBOFIOF	DCBBIT7 SET TO 1 BY AN I/O SUPPORT FUNCTION IF DCB IS TO BE PROCESSED BY THAT FUNCTION
49 (31)	BITSTRING	1	DCBIFLG	FLAGS USED BY IOS IN COMMUNICATING ERROR CONDITIONS AND IN DETERMINING CORRECTIVE PROCEDURES
11..			DCBIBEC	DCBBIT0+DCBBIT1 ERROR CORRECTION INDICATOR

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
....			DCBIFNEP	X'00' NOT IN ERROR PROCEDURE
.1..			DCBEX	DCBBIT1 ERROR CORRECTION OR IOS PAGE FIX IN PROCESS
11..			DCBIFPEC	DCBBIT0+DCBBIT1 PERMANENT ERROR CORRECTION
..11			DCBIBPCT	DCBBIT2+DCBBIT3 PRINTER CARRIAGE TAPE PUNCH INDICATOR
..1.			DCBIFC9	DCBBIT2 CHANNEL 9 PRINTER CARRIAGE TAPE PUNCH SENSED
...1			DCBIFC12	DCBBIT3 CHANNEL 12 PRINTER CARRIAGE TAPE PUNCH SENSED
.... 11..			DCBIBIOE	DCBBIT4+DCBBIT5 IOS ERROR ROUTINE USE INDICATOR
....			DCBIFER	X'00' ALWAYS USE I/O SUPERVISOR ERROR ROUTINE
.... .1..			DCBIFNE1	DCBBIT5 NEVER USE I/O SUPERVISOR ERROR ROUTINE
.... .1..			DCBIFTIM	DCBBIT5 TEST IOS MASK (IMSK) FOR ERROR PROCEDURE (BTAM)
.... 1...			DCBIFNE2	DCBBIT4 NEVER USE I/O SUPERVISOR ERROR ROUTINE
.... 11..			DCBIFNE3	DCBBIT4+DCBBIT5 NEVER USE I/O SUPERVISOR ERROR ROUTINE
50	(32) BITSTRING	2	DCBMACR	MACRO INSTRUCTION REFERENCE
50	(32) BITSTRING	1	DCBMACR1	FIRST BYTE OF DCBMACR
1...			DCBMRECP	DCBBIT0 EXECUTE CHANNEL PROGRAM (EXCP) ALWAYS ZERO (BSAM, QSAM, BPAM, BISAM,

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				QISAM, BDAM) RESERVED (QTAM, BTAM)
	.1..		DCBMRFE	DCBBIT1 FOUNDATION EXTENSION IS PRESENT (EXCP)
	.1..		DCBMRGET	DCBBIT1 GET (QSAM, QISAM, TCAM)
	.1..		DCBMRPTQ	DCBBIT1 PUT FOR MESSAGE GROUP (QTAM) ALWAYS ZERO (BSAM, BPAM, BISAM, BDAM) RESERVED (BTAM)
	..1.		DCBMRAPG	DCBBIT2 APPENDAGES ARE REQUIRED (EXCP)
	..1.		DCBMRRD	DCBBIT2 READ (BSAM, BPAM, BISAM, BDAM, BTAM)
	..1.		DCBMRWRQ	DCBBIT2 WRITE FOR LINE GROUP (QTAM) ALWAYS ZERO (QSAM, QISAM)
	...1		DCBMRCI	DCBBIT3 COMMON INTERFACE (EXCP)
	...1		DCBMRMVG	DCBBIT3 MOVE MODE OF GET (QSAM, QISAM)
	...1		DCBMRRDK	DCBBIT3 KEY SEGMENT WITH READ (BDAM) ALWAYS ZERO (BISAM) RESERVED (BSAM, BPAM, QTAM, BTAM)
	.... 1...		DCBMRLCG	DCBBIT4 LOCATE MODE OF GET (QSAM, QISAM)
	.... 1...		DCBMRRDI	DCBBIT4 ID ARGUMENT WITH READ (BDAM) ALWAYS ZERO (BISAM) RESERVED (EXCP, BSAM, BPAM, QTAM, BTAM)
	.... .1..		DCBMRABC	DCBBIT5 USER'S PROGRAM MAINTAINS ACCURATE BLOCK COUNT (EXCP)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... .1..		DCBMRPT1	DCBBIT5 POINT (WHICH IMPLIES NOTE) (BSAM, BPAM)
	.... .1..		DCBMRSBG	DCBBIT5 SUBSTITUTE MODE OF GET (QSAM)
	.... .1..		DCBMRDBF	DCBBIT5 DYNAMIC BUFFERING (BISAM, BDAM) ALWAYS ZERO (QISAM) RESERVED (QTAM, BTAM)
	.... ..1.		DCBPGFXA	DCBBIT6 PAGE FIX APPENDAGE IS SPECIFIED (EXCP)
	.... ..1.		DCBMRCRL	DCBBIT6 CNTRL (BSAM, QSAM)
	.... ..1.		DCBMRCHK	DCBBIT6 CHECK (BISAM)
	.... ..1.		DCBMRRDX	DCBBIT6 READ EXCLUSIVE (BDAM) RESERVED (BPAM, QISAM, QTAM, BTAM)
	1		DCBMRDMG	DCBBIT7 DATA MODE OF GET (QSAM)
	1		DCBMRCK	DCBBIT7 CHECK (BDAM) RESERVED (EXCP, BSAM, BPAM, BISAM, QISAM, QTAM, BTAM)
51 (33)	BITSTRING	1	DCBMACR2	SECOND BYTE OF DCBMACR
	1...		DCBMRSTL	DCBBIT0 SETL (QISAM) ALWAYS ZERO (BSAM, QSAM, BPAM, BISAM, BDAM) RESERVED (EXCP, QTAM, BTAM)
	.1..		DCBMRPUT	DCBBIT1 PUT (QSAM, TCAM) PUT OR PUTX (QISAM)
	.1..		DCBMRGTQ	DCBBIT1 GET FOR MESSAGE GROUP (QTAM) ALWAYS ZERO (BSAM, BPAM, BISAM, BDAM) RESERVED (EXCP, BTAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			DCBMRWRT	DCBBIT2 WRITE (BSAM, BPAM, BISAM, BDAM, BTAM)
..1.			DCBMRRDG	DCBBIT2 READ FOR LINE GROUP (QTAM) ALWAYS ZERO (QSAM, QISAM) RESERVED (EXCP)
...1			DCBMRMVP	DCBBIT3 MOVE MODE OF PUT (QSAM, QISAM)
...1			DCBMRWRK	DCBBIT3 KEY SEGMENT WITH WRITE (BDAM) ALWAYS ZERO (BISAM) RESERVED (EXCP, BSAM, BPAM, QTAM, BTAM)
.... 1...			DCBMR5WD	DCBBIT4 FIVE-WORD DEVICE INTERFACE (EXCP)
.... 1...			DCBMRLDM	DCBBIT4 LOAD MODE BSAM (CREATE BDAM DATA SET) (BSAM)
.... 1...			DCBMRLCP	DCBBIT4 LOCATE MODE OF PUT (QSAM, QISAM)
.... 1...			DCBMRIDW	DCBBIT4 ID ARGUMENT WITH WRITE (BDAM) ALWAYS ZERO (BISAM) RESERVED (BPAM, QTAM, BTAM)
.... .1..			DCBMR4WD	DCBBIT5 FOUR-WORD DEVICE INTERFACE (EXCP)
.... .1..			DCBMRPT2	DCBBIT5 POINT (WhICH IMPLIES NOTE) (BSAM, BPAM)
.... .1..			DCBMRTMD	DCBBIT5 SUBSTITUTE MODE (QSAM)
.... .1..			DCBMRUIP	DCBBIT5 UPDATE IN PLACE (PUTX) (QISAM) ALWAYS ZERO (BISAM) RESERVED (BDAM, QTAM,

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				BTAM)
.... ..1.			DCBMR3WD	DCBBIT6 THREE-WORD DEVICE INTERFACE (EXCP)
.... ..1.			DCBMRCTL	DCBBIT6 CNTRL (BSAM, QSAM)
.... ..1.			DCBMRSTK	DCBBIT6 SETL BY KEY (QISAM)
.... ..1.			DCBMRAWR	DCBBIT6 ADD TYPE OF WRITE (BDAM) ALWAYS ZERO (BISAM) RESERVED (BPAM, QTAM, BTAM)
....1			DCBMR1WD	DCBBIT7 ONE-WORD DEVICE INTERFACE (EXCP)
....1			DCBMRSWA	DCBBIT7 USER'S PROGRAM HAS PROVIDED A SEGMENT WORK AREA POOL (BSAM CREATE BDAM, BDAM)
....1			DCBMRDMD	DCBBIT7 DATA MODE (QSAM)
....1			DCBMRSTI	DCBBIT7 SETL BY ID (QISAM) ALWAYS ZERO (BISAM) RESERVED (BPAM, QTAM, BTAM)

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FOUNDATION AFTER OPEN

40	(28) SIGNED	2	DCBTIOT	OFFSET FROM TIOT ORIGIN TO TIOELNGH FIELD IN TIOT ENTRY FOR DD STATEMENT ASSOCIATED WITH THIS DCB
42	(2A) BITSTRING	2	DCBMACRF	SAME AS DCBMACR BEFORE OPEN
42	(2A) BITSTRING	1	DCBMACF1	FIRST BYTE OF DCBMACRF
43	(2B) BITSTRING	1	DCBMACF2	SECOND BYTE OF DCBMACRF

| 44 | (2C) A-ADDRESS | 4 | DCBDEBAD | ADDRESS OF ASSOCIATED DEB |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
44 (2C)	BITSTRING	1	DCBIFLGS	SAME AS DCBIFLG BEFORE OPEN
11..			DCBIFEC	DCBBIT0+DCBBIT1 ERROR CORRECTION INDICATOR
..11			DCBIFPCT	DCBBIT2+DCBBIT3 PRINTER CARRIAGE TAPE PUNCH INDICATOR
.... 11..			DCBIFIOE	DCBBIT4+DCBBIT5 IOS ERROR ROUTINE USE INDICATOR
45 (2D)	A-ADDRESS	3	DCBDEBA	ADDRESS OF ASSOCIATED DEB

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TCAM LINE GROUP EXTENSION
3705 EXTENSION

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48 (30)	A-ADDRESS	4	DCBSCTAB	ADDRESS OF SPECIAL CHARACTERS TABLE (SCT)

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48 (30)	BITSTRING	1		DCBOFLGS FLAGS USED BY OPEN ROUTINE
49 (31)	A-ADDRESS	3	DCBSCTAD	ADDRESS OF SPECIAL CHARACTERS TABLE (SCT)

----

52 (34)	SIGNED	1	DCBILCT	COUNT OF INVITATION LISTS
53 (35)	SIGNED	1	DCBUNTCT	BEFORE OPEN NUMERICAL VALUE OF SCT. AFTER OPEN COUNT OF UNITS FOR 1 BUFFER.
54 (36)	SIGNED	2	DCBBUFSI	SIZE OF ALL BUFFERS USED FOR THIS LINE GROUP

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56 (38)	CHARACTER	4	DCBRESER	NUMBER OF RESERVED BYTES IN BUFFERS

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56 (38)	SIGNED	1	DCBRESB1	NUMBER OF BYTES RESERVED IN THE BUFFER RECEIVING FIRST INCOMING SEGMENT OF A MESSAGE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
57 (39)	SIGNED	1	DCBRESB2	NUMBER OF BYTES RESERVED IN ALL BUFFERS EXCEPT THE ONE CONTAINING FIRST SEGMENT OF A MESSAGE
58 (3A)	HEX	2		RESERVED

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THE FOLLOWING 4 BYTES MAY BE REPEATED 'N' TIMES

| 60 (3C) | A-ADDRESS | 4 | DCBINVLI | ADDRESS OF INVITATION LIST |
----
60 (3C)	BITSTRING	1	DCBINVCI	TYPE OF COMMUNICATION INTERFACE FOR 2701 DATA ADAPTER UNIT
	..1.		DCBINVB1	DCBBIT2 IF ZERO, UNIT (A,) IF ONE, UNIT (B,)
	.... 1...		DCBINVB2	DCBBIT4 IF ZERO, UNIT (,A) IF ONE, UNIT (,B)
61 (3D)	A-ADDRESS	3	DCBINVLA	ADDRESS OF INVITATION LIST

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TCAM MESSAGE QUEUE INTERFACE

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52 (34)	BITSTRING	1	DCBOPTCD	OPTION CODES
	1...		DCBOPTWP	DCBBIT0 SOURCE OR DESTINATION NAME PRECEDES MESSAGE (AFTER CONTROL BYTE) (TCAM PROCESS QUEUE)
	.1..		DCBOPTUM	DCBBIT1 WORK UNIT IS A MESSAGE. DEFAULT WORK UNIT IS A RECORD. (TCAM PROCESS QUEUE)
	..1.		DCBOPTCB	DCBBIT2 CONTROL BYTE PRECEDES WORK UNIT (TCAM PROCESS QUEUE)
	..1.		DCBOPTCP	DCBBIT2 CHECKPOINT DATA SET

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... ..1.		DCBOPTIM	DCBBIT6 NON-REUSABLE MESSAGE QUEUE DATA SET
	1		DCBOPTRM	DCBBIT7 REUSABLE MESSAGE QUEUE DATA SET
53	(35) HEX	9		RESERVED
62	(3E) SIGNED	2	DCBBLKSI	BLOCK SIZE

.

CROSS REFERENCE

DCBACBM	27 X'08'		DCBIFPCT	44 X'30'	
DCBBFIN	20 X'F0'		DCBIFPEC	49 X'C0'	
DCBBFOUT	20 X'0F'		DCBIFTIM	49 X'04'	
DCBBITO	0 X'80'		DCBILCT	52 (34)	
DCBBIT1	0 X'40'		DCBINTVL	24 (18)	
DCBBIT2	0 X'20'		DCBINVB1	60 X'20'	
DCBBIT3	0 X'10'		DCBINVB2	60 X'08'	
DCBBIT4	0 X'08'		DCBINVCI	60 (3C)	
DCBBIT5	0 X'04'		DCBINVLA	61 (3D)	
DCBBIT6	0 X'02'		DCBINVLI	60 (3C)	
DCBBIT7	0 X'01'		DCBIOBAA	29 (1D)	
DCBBLKSI	62 (3E)		DCBIOBAD	28 (1C)	
DCBBQFLG	16 (10)		DCBLCBA	33 (21)	
DCBBQIAM	16 X'20'		DCBLCBAD	32 (20)	
DCBBQWRE	16 X'08'		DCBMACF1	42 (2A)	
DCBBQWRS	16 X'10'		DCBMACF2	43 (2B)	
DCBBQWRU	16 X'40'		DCBMACR	50 (32)	
DCBBUFIN	20 (14)		DCBMACRF	42 (2A)	
DCBBUFMA	28 (1C)		DCBMACR1	50 (32)	
DCBBUFOU	20 (14)		DCBMACR2	51 (33)	
DCBBUFRQ	20 (14)		DCBMH	21 (15)	
DCBBUFSI	54 (36)		DCBMHA	20 (14)	
DCBCLPS	20 (14)		DCBMRABC	50 X'04'	
DCBCLPSA	21 (15)		DCBMRAPG	50 X'20'	
DCBCPE	32 X'02'		DCBMRAHR	51 X'02'	
DCBCPR	32 X'04'		DCBMRCHK	50 X'02'	
DCBCPRI	32 (20)		DCBMRCI	50 X'10'	
DCBCPS	32 X'01'		DCBMRCK	50 X'01'	
DCBDDNAM	40 (28)		DCBMRCRL	50 X'02'	
DCBDEBA	45 (2D)		DCBMRCTL	51 X'02'	
DCBDEBAD	44 (2C)		DCBMRDBF	50 X'04'	
DCBDEVTP	28 (1C)		DCBMRDMD	51 X'01'	
DCBDSGCX	26 X'10'		DCBMRDHG	50 X'01'	
DCBDSGDA	26 X'20'		DCBMRECP	50 X'80'	
DCBDSGGS	27 X'80'		DCBMRFE	50 X'40'	
DCBDSGIS	26 X'80'		DCBMRGET	50 X'40'	
DCBDSGPO	26 X'02'		DCBMRGTQ	51 X'40'	
DCBDSGPS	26 X'40'		DCBMRIDW	51 X'08'	
DCBDSGTQ	27 X'20'		DCBMRLCG	50 X'08'	
DCBDSGTR	27 X'04'		DCBMRLCP	51 X'08'	
DCBDSGTX	27 X'40'		DCBMRLDM	51 X'08'	
DCBDSGU	26 X'01'		DCBMRMVG	50 X'10'	
DCBDSORG	26 (1A)		DCBMRMVP	51 X'10'	
DCBDSRG1	26 (1A)		DCBMRPTQ	50 X'40'	
DCBDSRG2	27 (1B)		DCBMRPT1	50 X'04'	
DCBEIOBX	36 (24)		DCBMRPT2	51 X'04'	
DCBEODAD	32 (20)		DCBMRPUT	51 X'40'	
DCBEX	49 X'40'		DCBMRRD	50 X'20'	
DCBEXLSA	37 (25)		DCBMRRDI	50 X'08'	
DCBEXLST	36 (24)		DCBMRRDK	50 X'10'	
DCBIBEC	49 X'C0'		DCBMRRDQ	51 X'20'	
DCBIBIOE	49 X'0C'		DCBMRRDX	50 X'02'	
DCBIBPCT	49 X'30'		DCBMRSBG	50 X'04'	
DCBIFC12	49 X'10'		DCBMRSTI	51 X'01'	
DCBIFC9	49 X'20'		DCBMRSTK	51 X'02'	
DCBIFEC	44 X'C0'		DCBMRSTL	51 X'80'	
DCBIFER	49 X'00'		DCBMRSWA	51 X'01'	
DCBIFIOE	44 X'0C'		DCBMRTMD	51 X'04'	
DCBIFLG	49 (31)		DCBMRUIP	51 X'04'	
DCBIFLGS	44 (2C)		DCBMRWRK	51 X'10'	
DCBIFNEP	49 X'00'		DCBMRWRQ	50 X'20'	
DCBIFNE1	49 X'04'		DCBMRWRT	51 X'20'	
DCBIFNE2	49 X'08'		DCBMR1WD	51 X'01'	
DCBIFNE3	49 X'0C'		DCBMR3WD	51 X'02'	

Common Name: Data Control Block (GAM)
Macro ID: DCBD
DSECT Name: IHADCB
Created by: Problem program
Subpool and Key: Problem program subpool and key
Size: Variable 52 bytes
Pointed to by: DEBDCBAD field of the DEB data area
                IOBDCBPT field of the IOB data area
                CVTLINKT field of the CVT data area
                 (LINKLIB DCB)
                CVTSVDCB field of the CVT data area (SVCLIB
                 DCB)
                CVTDCB field of the CVT data area (LOGREC
                 DCB)
                JSCBDCB field of the JSCB data area
                 (scheduler DCB)
                LWAPDCB field of the LWA data area (UADS
                 DCB)
                 SMCAPDCB field of the SMCA data area
                 (current SMF DCB)
                SMCAADCB field of the SMCA data area
                 (non-current SMF DCB)
                TCBJLB field of the TCB data area (JOBLIB
                 DCB)
Serialization: None
Function: This data control block (DCB) is used by the
graphics access method (GAM) routines. It has the common
interface and foundation sections, which serve the same
purposes for all access method routines, although the
format may vary slightly among them. An interface
section that contains information about a particular
graphic device precedes the common section.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	IHADCB	, DCBPTR
	1...		DCBBIT0	128
	.1..		DCBBIT1	64
	..1.		DCBBIT2	32
	...1		DCBBIT3	16
	.... 1...		DCBBIT4	8
	.... .1..		DCBBIT5	4
	.... ..1.		DCBBIT6	2
	1		DCBBIT7	1
0	(0) HEX	12		RESERVED
12	(C) A-ADDRESS	2	DCBBRSA	BUFFER RESTART ADDRESS. BLANK BEFORE EXECUTION OF SECOND I/O OPERATION
14	(E) CHARACTER	1	DCBGTYPE	TYPE OF BUFFER MANAGEMENT AND ATTENTION HANDLING
	....		DCBGTEXP	X'00' EXPRESS
	1		DCBGTBAS	X'01' BASIC
15	(F) HEX	1		RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
16	(10) A-ADDRESS	2	DCBBFRST	BLANK BEFORE EXECUTION OF OPEN ROUTINE. STARTING ADDRESS FOR BUFFER AFTER EXECUTION OF OPEN ROUTINE
18	(12) SIGNED	2	DCBBFRSZ	BLANK BEFORE EXECUTION OF OPEN ROUTINE. SIZE OF BUFFER AFTER EXECUTION OF OPEN ROUTINE.

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COMMON INTERFACE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
20	(14) HEX	6		RESERVED
26	(1A) BITSTRING	2	DCBDSORG	DATA SET ORGANIZATION BEING USED
26	(1A) BITSTRING	1	DCBDSRG1	FIRST BYTE OF DCBDSORG
	1...		DCBDSGIS	DCBBITO IS INDEXED SEQUENTIAL ORGANIZATION
	.1..		DCBDSGPS	DCBBIT1 PS PHYSICAL SEQUENTIAL ORGANIZATION
	..1.		DCBDSGDA	DCBBIT2 DA DIRECT ORGANIZATION
	...1		DCBDSGCX	DCBBIT3 CX BTAM OR QTAM LINE GROUP
	.... ..1.		DCBDSGPO	DCBBIT6 PO PARTITIONED ORGANIZATION
	1		DCBDSGU	DCBBIT7 U UNMOVABLE, THE DATA CONTAINS LOCATION DEPENDENT INFORMATION
27	(1B) BITSTRING	1	DCBDSRG2	SECOND BYTE OF DCBDSORG
	1...		DCBDSGGS	DCBBITO GS GRAPHICS ORGANIZATION
	.1..		DCBDSGTX	DCBBIT1 TX TCAM LINE GROUP
	..1.		DCBDSGTQ	DCBBIT2 TQ TCAM MESSAGE QUEUE
	.... 1...		DCBACBM	DCBBIT4 ACCESS METHOD CONTROL BLOCK

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... .1..		DCBDSGTR	DCBBIT5 TR TCAM 3705

| 28 | (1C) A-ADDRESS | 4 | DCBIOBAD | BLANK BEFORE EXECUTION OF OPEN ROUTINE. ADDRESS OF STANDARD FIELDS OF FIRST IOB AFTER EXECUTION OF OPEN ROUTINE |

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FOUNDATION EXTENSION

| 32 | (20) A-ADDRESS | 4 | DCBPOLST | ADDRESS OF AREA WHERE A DCB LIST IS TO BE CONSTRUCTED FOR POLLING PURPOSES |

| 32 | (20) SIGNED | 1 | DCBGNCP | NUMBER OF I/O INSTRUCTIONS TO BE ISSUED BEFORE A WAIT MACRO INSTRUCTION |
| 33 | (21) A-ADDRESS | 3 | DCBPOLSA | SAME AS DCBPOLST ABOVE |

| 36 | (24) A-ADDRESS | 4 | DCBEXLST | ADDRESS OF USER'S EXIT LIST |

| 36 | (24) HEX | 1 | | RESERVED |
| 37 | (25) A-ADDRESS | 3 | DCBEXLSA | ADDRESS OF USER'S EXIT LIST |

==

FOUNDATION BEFORE OPEN

| 40 | (28) CHARACTER | 8 | DCBDDNAM | 8-BYTE NAME FROM DD STATEMENT THAT DEFINES DATA SET ASSOCIATED WITH THIS DCB |

| 48 | (30) BITSTRING | 1 | DCBOFLG | FLAGS USED BY OPEN ROUTINE |
| | 1... .... | | DCBOFGRW | DCBBITO IF ZERO, LAST I/O OPERATION WAS GREAD. IF ONE, LAST I/O OPERATION WAS GWRITE. |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			DCBOFEOV	DCBBIT2 SET TO 1 BY EOV WHEN IT CALLS CLOSE ROUTINE FOR CONCATENATION OF DATA SETS WITH UNLIKE ATTRIBUTES
...1			DCBOFOPN	DCBBIT3 AN OPEN HAS BEEN SUCCESSFULLY COMPLETED
.... 1...			DCBOFPPC	DCBBIT4 SET TO 1 BY PROBLEM PROGRAM TO INDICATE A CONCATENATION OF UNLIKE ATTRIBUTES
.... .1..			DCBOFTM	DCBBIT5 TAPE MARK HAS BEEN READ
.... ..1.			DCBOFUEX	DCBBIT6 SET TO 0 BY AN I/O SUPPORT FUNCTION WHEN THAT FUNCTION TAKES A USER EXIT. SET TO 1 ON RETURN FROM USER EXIT TO THE I/O SUPPORT FUNCTION WHICH TOOK THE EXIT.
....1			DCBOFIOF	DCBBIT7 SET TO 1 BY AN I/O SUPPORT FUNCTION IF DCB IS TO BE PROCESSED BY THAT FUNCTION
49 (31)	BITSTRING	1	DCBIFLG	SET TO ZERO BY GRAPHIC ROUTINES BUT USED BY IOS IN COMMUNICATING ERROR CONDITIONS AND IN DETERMINING CORRECTIVE PROCEDURES
50 (32)	BITSTRING	2	DCBMACR	MACRO INSTRUCTION REFERENCE
50 (32)	BITSTRING	1	DCBMACR1	FIRST BYTE OF DCBMACR
..1.			DCBMRRD	DCBBIT2 READ
.... ..1.			DCBMRCRL	DCBBIT6 CNTRL
51 (33)	BITSTRING	1	DCBMACR2	SECOND BYTE OF DCBMACR
..1.			DCBMRWRT	DCBBIT2 WRITE
.... ..1.			DCBMRCTL	DCBBIT6 CNTRL

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

==

FOUNDATION AFTER OPEN

40	(28) A-ADDRESS	2	DCBTIOT	OFFSET FROM TIOT ORIGIN TO DD ENTRY ASSOCIATED WITH THIS DCB
42	(2A) BITSTRING	2	DCBMACRF	SAME AS DCBMACR BEFORE OPEN
42	(2A) BITSTRING	1	DCBMACF1	FIRST BYTE OF DCBMACRF
43	(2B) BITSTRING	1	DCBMACF2	SECOND BYTE OF DCBMACRF
44	(2C) A-ADDRESS	4	DCBDEBAD	ADDRESS OF ASSOCIATED DEB
44	(2C) BITSTRING	1	DCBIFLGS	SAME AS DCBIFLG BEFORE OPEN
45	(2D) A-ADDRESS	3	DCBDEBA	ADDRESS OF ASSOCIATED DEB
48	(30) A-ADDRESS	4	DCBGIOCR	ADDRESS OF GRAPHICS I/O CONTROL ROUTINE
48	(30) BITSTRING	1	DCBOFLGS	SAME AS DCBOFLG BEFORE OPEN
49	(31) A-ADDRESS	3	DCBGIOCA	ADDRESS OF GRAPHICS I/O CONTROL ROUTINE

.

DDRCOM

Common Name: IOS Dynamic Device Reconfiguration
Communication Table
Macro ID: IHADDR
DSECT Name: DDRCOM
Created by: IGF2503D - operator requested SWAP; IGE0660A -
system initiated SWAP
Subpool and Key: 245 and key 0
Size: 92 bytes
Pointed to by: ASXBDDR field of the (master) ASXB data area
DDRNXT field of the DDRCOM data area
Serialization: One swap active at a time; all DDRCOMs
chained from master ASXB; queued and dequeued while holding
local, CMS locks.
Function: Communicate between DDR modules and between DDR
and MIH. Queuing control block for DDR requests.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) UNKNOWN	104	DDRCOM	
0	(0) UNKNOWN	24	DDRSHORT	INITIAL DDRCOM SEGMENT
0	(0) UNKNOWN	4	DDRID	DDRCOM TYPE INDICATOR
4	(4) UNKNOWN	4	DDRNXT	
8	(8) UNKNOWN	4	DDRCNTRL	CONTROL DATA
8	(8) UNKNOWN	1	DDRSRC	SOURCE OF DDR REQUEST
	1...		DDROPER	OPERATOR REQUEST
	.1..		DDRSYS	SYSTEM REQUEST
	..1.		DDRPAGE	I/O ERROR ON A PAGE
	...1 1111			RESERVED
9	(9) UNKNOWN	1	DDRSTAT	REQUEST STATUS
	1...		DDRACTV	REQUEST IS EXECUTING
	.1..		DDRQUE	REQUEST IS QUEUED
	..1.		DDRHAMA	PERMANENTLY INACTIVE REQUEST
	...1		DDRRMV	REMOVE INVALID REQUEST
	.... 1...		DDRPRG	TERMINATE REQUEST
	.... .1..		DDRSIRB	REQUEST IS EXECUTED BY SIRB IN IGE0660A
	11			RESERVED
10	(A) UNKNOWN	2	DDRDCHAR	DEVICE CHARACTERISTICS
10	(A) UNKNOWN	1	DDRMDR	MDR RECORD ID
11	(B) UNKNOWN	1	DDRDSTAT	DEVICE TYPE AND FLAGS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			DDRBUFL	BUFFERED LOG
.1..			DDRDA	DIRECT ACCESS DEVICE
..1.			DDRMT	MAGNETIC TAPE DEVICE
...1			DDRUR	UNIT RECORD DEVICE
.... 1111				RESERVED
12 (C)	UNKNOWN	4	DDRUIOSB	USER IOSB ADDRESS
16 (10)	UNKNOWN	2	DDRUASID	USER ADDRESS SPACE
18 (12)	UNKNOWN	3	DDRFMCUA	FROM PRIMARY CUA
21 (15)	UNKNOWN	3	DDRTOCUA	TO PRIMARY CUA
24 (18)	UNKNOWN	80	DDRLONG	REST OF DDRCOM
24 (18)	UNKNOWN	4	DDRTOUCB	TO UCB ADDRESS
28 (1C)	UNKNOWN	4	DDRFMUCB	FROM UCB ADDRESS
32 (20)	UNKNOWN	1	DDRROWN	REQUEST RESOURCES
1...			DDRRTENQ	TAPE ALLOC RESOURCE HELD
.1..			DDRRUENQ	UNIT RECORD ALLOC RESOURCE HELD
..1.			DDRRDENQ	DISK ALLOC RESOURCE HELD
...1 11..				RESERVED
.... ..1.			DDRJES3L	IGFDL1 USING JES3 UCB LIST
....1			DDRFIRST	IGFDL1 RECURSIVE BIT
33 (21)	UNKNOWN	1	DDRMIH	MIH CODE FIELD
34 (22)	UNKNOWN	2	DDRASID	DDR ADDRESS SPACE
36 (24)	UNKNOWN	8	DDRMIHT	MIH TIME INTERVAL
36 (24)	UNKNOWN	4	DDRUDCB	USER DCB ADDRESS
40 (28)	UNKNOWN	4	DDRUDEB	USER DEB ADDRESS
44 (2C)	UNKNOWN	4	DDRUIOB	USER IOB ADDRESS
48 (30)	UNKNOWN	4	DDRUTCB	USER TCB ADDRESS
52 (34)	UNKNOWN	4	DDRUASCB	USER ASCB ADDRESS
56 (38)	UNKNOWN	4	DDRTEST	TESTING FIELD

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
60 (3C)	UNKNOWN	2	DDRTER	TERMINATION PARM FIELD
60 (3C)	UNKNOWN	1	DDRTER1	TERMINATION REASON CODE
61 (3D)	UNKNOWN	1	DDRTER2	TERMINATION FIELD
62 (3E)	UNKNOWN	2	DDRINV	INVALID FLAGS
62 (3E)	UNKNOWN	1	DDRINV1	INVALID REASON CODE
63 (3F)	UNKNOWN	1	DDRINV2	VALIDATE'S PARM FIELD
64 (40)	UNKNOWN	2	DDRAPP	APPENDAGE PARM FIELDS
64 (40)	UNKNOWN	1	DDRAPP1	APPENDAGE PARM LIST 1
65 (41)	UNKNOWN	1	DDRAPP2	APPENDAGE PARM LIST 2
66 (42)	UNKNOWN	2	DDRIBUFL	I/O BUFFER LENGTH
68 (44)	UNKNOWN	4	DDRIBUF	I/O BUFFER ADDRESS
72 (48)	UNKNOWN	4	DDRCOUNT	I/O OPERATION REPEAT COUNT
76 (4C)	UNKNOWN	2	DDRIOF	I/O PARM FLAGS
76 (4C)	UNKNOWN	1	DDRIOF1	I/O PARM FLAGS FIELD 1
77 (4D)	UNKNOWN	1	DDRIOF2	I/O PARM FLAGS FIELD 2
1...			DDRWHICH	I/O TO BE PERFORMED
.1..			DDRITAKE	DEVICE GET/REL CONTROL
..1.			DDRILAB	LABEL PROCESSING
...1			DDRIMNT	MOUNT REQUEST
.... 1...			DDRICNT	COUNT FIELD INDICATOR
.... .111				RESERVED
78 (4E)	UNKNOWN	2	DDRMSG	MESSAGE PARM FLAGS
78 (4E)	UNKNOWN	1	DDRMSGOP	OPERATOR RESPONSE
79 (4F)	UNKNOWN	1	DDRMSGCD	MESSAGE NUMBER CODE
80 (50)	UNKNOWN	8	DDRMSGP	MESSAGE CODES
80 (50)	UNKNOWN	1	DDRMSGPN	NUMBER OF MESSAGE CODES
81 (51)	UNKNOWN	7	DDRMSGPC	(0-7) MESSAGE CODES
88 (58)	UNKNOWN	1	DDRLABEL	TAPE FROM LABEL TYPE
1...			DDRLAL	ANSI LABEL

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
	.1..			DDRLBLP	BYPASS LABEL PROCESSING
	..1.			DDRLNL	NO LABEL
	...1			DDRLNSL	NON-STANDARD LABEL
	.... 1...			DDRLSD	STANDARD LABEL
	.... .11.				RESERVED
	1			DDRLNOP	NO POSITIONING AND TAPE READING
89	(59)	UNKNOWN	1	DDRRETRY	IGFDMO RETRY COUNT
90	(5A)	UNKNOWN	2	DDRREC	RECORDER PARM FIELDS
90	(5A)	UNKNOWN	1	DDRREC1	RECORDER FLAGS
91	(5B)	UNKNOWN	1	DDRREC2	RECORDER PARM LIST
	1...			DDRRFMTO	(0=TO,1=FROM) RECORD
	.111 1111				RESERVED
92	(5C)	UNKNOWN	4	DDRUSER	USER FIELDS
92	(5C)	UNKNOWN	1	DDRUMODE	USER MODE
93	(5D)	UNKNOWN	3		RESERVED
96	(60)	UNKNOWN	4	DDRUBCNT	USER BLOCK COUNT
100	(64)	UNKNOWN	4	DDRSSOB	ADDRESS OF SSOB

DEB

<u>Common Name</u>: IOS Data Extent Block
<u>Macro ID</u>: IEZDEB
<u>DSECT Name</u>: DEB (DSECT card precedes AVT section)
   DEBBASIC should be used for USING for basic
     section.
   DEBDASD (DSECT name for direct access section)
   DEBACSMD (DSECT name for access method sections)
   DEBSUBNM (DSECT name for subroutine name
     section)
   DEBXTN (DSECT name for DEB extension)
<u>Created by</u>: Access method OPEN executor
<u>Subpool and Key</u>: 230 and key 5
<u>Size</u>: Variable (device and access method dependent sections)
<u>Pointed to by</u>: DCBDEBAD field of the DCB data area
   RQEDEB field of the RQE data area
   DCBODEBA field of the DCB data area (old DEB
     prior to OPEN)
   DEBDEBAD field of the DEB data area (next
     DEB on the chain)
   SSDADEBP field of the SSOB data area
     (associated data management DEB)
   TCBDEBBP field of the TCB data area (first
     DEB on the chain)
<u>Serialization</u>: Local lock serializes placing DEB on TCB DEB
chain and in DEB table. OPEN/CLOSE/EOV processing
serialized by local lock and DEBCHK.
<u>Function</u>: The DEB is an extension of the information in the
DCB. Each DEB is associated with a DCB, and the two point
to each other. It contains information about the physical
characteristics of the data set, and other information used
by the control program.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	DEB	,
-36 (-24)	BAL STMT	0		

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OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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APPENDAGE VECTOR TABLE SECTION OF THE DEB
POINTED TO BY DEBAPPAD

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
-36 (-24)	FLOATING	8	DEBAVT	APPENDAGE VECTOR TABLE

| -36 (-24) | A-ADDRESS | 4 | DEBEOEA | ADDRESS OF END-OF-EXTENT APPENDAGE ROUTINE |

-36 (-24)	BITSTRING	1	DEBEOEAB	FLAG BYTE
	1...		DEBESMVR	X'80' VALIDITY CHECK FOR CALLER OF EXCPVR (OS/VS2)
	.1..		DEBRSV20	X'40',,C'X' RESERVED
	..1.		DEBRSV21	X'20',,C'X' RESERVED
	...1		DEBRSV22	X'10',,C'X' RESERVED
	 1111		DEBEOENP	X'0F' NUMBER OF 2K PAGES TO BE FIXED FOR THE END-OF-EXTENT APPENDAGE
-35 (-23)	A-ADDRESS	3	DEBEOEAD	ADDRESS OF END-OF-EXTENT APPENDAGE ROUTINE

| -32 (-20) | A-ADDRESS | 4 | DEBSIOA | ADDRESS OF START I/O APPENDAGE ROUTINE |

-32 (-20)	BITSTRING	1	DEBSIOAB	FLAG BYTE
	1...		DEBPGFX	X'80' ADDRESS IN DEBSIOAD CAN BE USED TO DETERMINE THE ENTRY POINT TO THE PAGE FIX (PGFX) APPENDAGE ROUTINE BY ADDING 4 TO THE ADDRESS IN DEBSIOAD
	.1..		DEBSIOX	X'40' IF ZERO, DO NOT ENTER SIO APPENDAGE WHEN ERP IS ACTIVE. IF ONE, ENTER SIO APPENDAGE EVEN WHEN ERP IS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				ACTIVE.
..1.			DEBIOVR	X'20' IF ONE, EXCPVR REQUEST IS VALID. IF ZERO, EXCPVR REQUEST IS INVALID AND WILL NOT BE EXECUTED.
...1			DEBFIX	X'10' INDICATION THAT DEB HAS BEEN FIXED (OS/VS2)
.... 1111			DEBSIONP	X'0F' NUMBER OF 2K PAGES TO BE FIXED FOR THE SIO APPENDAGE
-31 (-1F)	A-ADDRESS	3	DEBSIOAD	ADDRESS OF START I/O APPENDAGE ROUTINE
-28 (-1C)	A-ADDRESS	4	DEBPCIA	ADDRESS OF PCI APPENDAGE ROUTINE
-28 (-1C)	BITSTRING	1	DEBPCIAB	FLAG BYTE
1...			DEBRSV24	X'80',,C'X' RESERVED
.1..			DEBRSV25	X'40',,C'X' RESERVED
..1.			DEBRSV26	X'20',,C'X' RESERVED
...1			DEBRSV27	X'10',,C'X' RESERVED
.... 1111			DEBPCINP	X'0F' NUMBER OF 2K PAGES TO BE FIXED FOR THE PCI APPENDAGE
-27 (-1B)	A-ADDRESS	3	DEBPCIAD	ADDRESS OF PROGRAM-CONTROLLED-INTERRUPTION (PCI) APPENDAGE ROUTINE
-24 (-18)	A-ADDRESS	4	DEBCEA	ADDRESS OF CHANNEL-END APPENDAGE ROUTINE
-24 (-18)	BITSTRING	1	DEBCEAB	FLAG BYTE
1...			DEBRSV28	X'80',,C'X' RESERVED
.1..			DEBRSV29	X'40',,C'X' RESERVED
..1.			DEBRSV30	X'20',,C'X' RESERVED
...1			DEBRSV31	X'10',,C'X' RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... 1111			DEBCENP	X'0F' NUMBER OF 2K PAGES TO BE FIXED FOR THE CHANNEL-END APPENDAGE
-23 (-17) A-ADDRESS	3		DEBCEAD	ADDRESS OF CHANNEL-END APPENDAGE ROUTINE
-20 (-14) A-ADDRESS	4		DEBXCEA	ADDRESS OF ABNORMAL-END APPENDAGE ROUTINE
-20 (-14) BITSTRING	1		DEBXCEAB	FLAG BYTE
1...			DEBRSV32	X'80',,C'X' RESERVED
.1..			DEBRSV33	X'40',,C'X' RESERVED
..1.			DEBRSV34	X'20',,C'X' RESERVED
...1			DEBRSV35	X'10',,C'X' RESERVED
.... 1111			DEBXCENP	X'0F' NUMBER OF 2K PAGES TO BE FIXED FOR THE ABNORMAL-END APPENDAGE
-19 (-13) A-ADDRESS	3		DEBXCEAD	ADDRESS OF ABNORMAL-END APPENDAGE ROUTINE

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DEB PREFIX TABLE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
-16 (-10) A-ADDRESS	4		DEBPREFX	DEB PREFIX TABLE
-16 (-10) HEX	1		DEBWKARA	I/O SUPPORT WORK AREA (DIRECT ACCESS)
-15 (-F) HEX	7		DEBDSCBA	DSCB ADDRESS (BBCCHHR) USED BY I/O SUPPORT (DIRECT ACCESS)
-8 (-8) A-ADDRESS	4		DEBXTNP	POINTER TO DEB EXTENSION (OS/VS2)
-8 (-8) HEX	4		DEBDCBMK	DCB MODIFICATION MASK USED BY I/O SUPPORT (OS/VS1)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
-4	(-4) BITSTRING	1	DEBLNGTH	LENGTH OF DEB IN DOUBLE WORDS
-3	(-3) CHARACTER	1	DEBAMTYP	ACCESS METHOD TYPE
-2	(-2) SIGNED	2	DEBTBLOF	OFFSET IN THE DEB TABLE TO THE ENTRY FOR THIS DEB

==

DEB BASIC SECTION

| 0 | (0) A-ADDRESS | 4 | DEBTCBAD | ADDRESS OF TCB FOR THIS DEB |

| 0 | (0) BITSTRING | 1 | DEBNMSUB | NUMBER OF SUBROUTINES LOADED BY OPEN EXECUTOR ROUTINES |
| 1 | (1) A-ADDRESS | 3 | DEBTCBB | ADDRESS OF TCB FOR THIS DEB |

| 4 | (4) A-ADDRESS | 4 | DEBDEBAD | ADDRESS OF THE NEXT DEB IN THE SAME TASK |

| 4 | (4) BITSTRING | 1 | DEBAMLNG | NUMBER OF BYTES IN THE ACCESS METHOD DEPENDENT SECTION. FOR BDAM THIS FIELD CONTAINS THE LENGTH EXPRESSED IN NUMBER OF WORDS. |
| 5 | (5) A-ADDRESS | 3 | DEBDEBB | ADDRESS OF THE NEXT DEB IN THE SAME TASK |

| 8 | (8) A-ADDRESS | 4 | DEBIRBAD | IRB STORAGE ADDRESS USED FOR APPENDAGE ASYNCHRONOUS EXITS |

| 8 | (8) BITSTRING | 1 | DEBOFLGS | DATA SET STATUS FLAGS |
| | 11.. .... | | DEBDISP | X'C0' DATA SET DISPOSITION FLAGS BIT SETTING DISPOSITION |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
DEBDSOLD	01		OLD DATA SET	
DEBDSMOD	10		MOD DATA SET	
DEBDSNEW	11		NEW DATA SET	
..1.			DEBEOF	X'20' END-OF-FILE (EOF) ENCOUNTERED (TAPE INPUT) FORMAT : DSCB BIT 93.0 INDICATES THAT THE CURRENT VOLUME IS THE LAST VOLUME OF THE DATA SET (DASD INPUT)
...1			DEBRLSE	X'10' RELEASE UNUSED EXTERNAL STORAGE (DASD) EMULATOR TAPE WITH SECOND GENERATION FORMAT. TAPE MAY CONTAIN BLOCKS SHORTER THAN 12 CHARACTERS. (TAPE)
.... 1...			DEBDCB	X'08' DCB MODIFICATION
.... .1..			DEBSPLIT	X'04' SPLIT CYLINDER (DASD) 7-TRACK EMULATOR TAPE WITH POSSIBLE MIXED PARITY RECORDS (TAPE)
.... ..1.			DEBLABEL	X'02' NONSTANDARD LABELS
....1			DEBRERR	X'01' USE REDUCED ERROR RECOVERY PROCEDURE (TAPE) CONCATENATED PARTITIONED ORGANIZATION DATA SETS PROCESSED USING BPAM (DASD)
9	(9) A-ADDRESS	3	DEBIRBB	IRB STORAGE ADDRESS USED FOR APPENDAGE ASYNCHRONOUS EXITS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
12	(C) BITSTRING	1	DEBOPATB	FLAGS INDICATING BOTH THE METHOD OF I/O PROCESSING AND THE DISPOSITION THAT IS TO BE PERFORMED WHEN AN END-OF-VOLUME (EOV) CONDITION OCCURS
	1...		DEBABEND	X'80' SET BY ABEND INDICATING A SYSABEND OR SYSUDUMP DATA SET (OS/VS2)
	.1..		DEBZERO	X'40' ALWAYS ZERO
	..11		DEBPOSIT	X'30' DATA SET POSITIONING FLAGS BIT SETTING POSITIONING

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DEBRERED	01		REREAD	
DEBLEAVE	11		LEAVE	
	 1111		DEBACCS	X'0F' TYPE OF I/O ACCESSING BEING DONE BIT SETTING ACCESSING

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DEBINPUT	0000		INPUT	
DEBOUTPT	1111		OUTPUT	
DEBINOUT	0011		INOUT	
DEBOUTIN	0111		OUTIN	
DEBRDBCK	0001		RDBACK	
DEBUPDAT	0100		UPDAT	
13	(D) BITSTRING	1	DEBQSCNT	PURGE (SVC 16) QUIESCE COUNT. NUMBER OF DEVICES EXECUTING USER'S CHANNEL PROGRAMS, AS SHOWN BY BITS 5 AND 6 OF UCBFL1 FIELDS.
14	(E) BITSTRING	1	DEBFLGS1	FLAG FIELD
	1...		DEBPWCKD	X'80' PASSWORD WAS SUPPLIED DURING OPEN. EOV WILL NOT REQUEST A PASSWORD FOR

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				EACH ADDITIONAL VOLUME OF A MULTIVOLUME DATA SET.
.1..			DEBEOFDF	X'40' SET BY EOV TO INFORM CLOSE THAT AN END-OF-FILE HAS BEEN ENCOUNTERED AND, THEREFORE, DEFERRED USER LABEL PROCESSING IS ALLOWED.
..1.			DEBRSIOA	X'20' SIO APPENDAGE RE-ENTRY AUTHORIZATION BIT (OS/VS1)
...1			DEBRSV02	X'10',,C'X' RESERVED
.... 1...			DEBCINDI	X'08' DCB ASSOCIATED WITH THIS DEB IS BEING PROCESSED BY THE COMPATIBILITY INTERFACE ROUTINES (VSAM)
.... .1..			DEBF1CEV	X'04' EOV PROCESSING OCCURRED DURING CLOSE PROCESSING. TESTED AND SET TO ZERO BY CLOSE, SET TO ONE BY EOV.
.... ..1.			DEBAPFIN	X'02' IF ON, AUTHORIZED PROGRAMS CAN BE LOADED
....1			DEBXTNIN	X'01' IF ONE, DEB EXTENSION EXISTS (OS/VS2)
15 (F) HEX		1	DEBRSV05	RESERVED
16 (10) A-ADDRESS		4	DEBUSRPG	ADDRESS OF FIRST IOB IN THE USER PURGE CHAIN (OS/VS1) ADDRESS OF PURGED I/O RESTORE LIST (PIRL) (OS/VS2)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
16	(10) BITSTRING	1	DEBNMEXT	NUMBER OF EXTENTS SPECIFIED IN DSCB'S
17	(11) A-ADDRESS	3	DEBUSRPB	ADDRESS OF FIRST IOB IN THE USER PURGE CHAIN (OS/VS1) ADDRESS OF PURGED I/O RESTORE LIST (PIRL) (OS/VS2)
20	(14) A-ADDRESS	4	DEBRRQ	POINTER TO RELATED REQUEST QUEUE (OS/VS2)
20	(14) A-ADDRESS	4	DEBECBAD	ADDRESS OF A PARAMETER LIST USED TO LOCATE THE PURGE ECB FOR AN SVC PURGE REQUEST (OS/VS1)
20	(14) BITSTRING	1	DEBPRIOR	PRIORITY OF THE TASK OWNING DEB
21	(15) A-ADDRESS	3	DEBECBB	ADDRESS OF A PARAMETER LIST USED TO LOCATE THE PURGE ECB FOR AN SVC PURGE REQUEST (OS/VS1)
24	(18) A-ADDRESS	4	DEBDCBAD	ADDRESS OF DCB ASSOCIATED WITH THIS DEB
24	(18) BITSTRING	1	DEBPROTG	TASK PROTECTION KEY IN HIGH-ORDER 4 BITS
24	(18) BITSTRING	1	DEBDEBID	A HEX F IN LOW-ORDER 4 BITS TO IDENTIFY THIS BLOCK AS A DEB
25	(19) A-ADDRESS	3	DEBDCBB	ADDRESS OF DCB ASSOCIATED WITH THIS DEB
28	(1C) A-ADDRESS	4	DEBAPPAD	ADDRESS OF THE I/O APPENDAGE VECTOR TABLE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
28 (1C)	HEX	1	DEBEXSCL	EXTENT SCALE 4 FOR DIRECT ACCESS DEVICE AND 3525 CARD PUNCH WITH DEVICE-ASSOCIATED DATA SET SUPPORT AND 2 FOR NONDIRECT ACCESS DEVICE AND COMMUNICATION DEVICE. THIS FIELD IS USED TO DETERMINE THE SIZE OF THE DEVICE DEPENDENT SECTION
29 (1D)	A-ADDRESS	3	DEBAPPB	ADDRESS OF THE I/O APPENDAGE VECTOR TABLE

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UNIT RECORD, MAGNETIC TAPE, TELECOMMUNICATIONS DEVICES SECTI
  NOTE FOR TELECOMMUNICATIONS DEVICES, THE UCB ADDRESS IS
    REPEATED FOR EACH LINE ASSIGNED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
32 (20)	A-ADDRESS	4	DEBSUCBA	ADDRESS OF A UCB ASSOCIATED WITH A GIVEN DATA SET

| 32 (20) | BITSTRING | 1 | DEBSDVM | DEVICE MODIFIER. FOR MAGNETIC TAPE, SET MODE OPERATION CODE. FOR UNIT RECORD, NOT USED. |
| 33 (21) | A-ADDRESS | 3 | DEBSUCBB | ADDRESS OF A UCB ASSOCIATED WITH A GIVEN DATA SET |

| 36 (24) | A-ADDRESS | 4 | DEBDEVED | END OF COMMON UNIT RECORD FIELDS |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

THE FOLLOWING FIELDS ARE PRESENT ONLY FOR THE 3525 WITH
DEVICE-ASSOCIATED DATA SET SUPPORT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
36 (24)	A-ADDRESS	4	DEBRDCB	ADDRESS OF DCB FOR THE READ ASSOCIATED DATA SET
36 (24)	HEX	1	DEBRSV06	RESERVED
37 (25)	A-ADDRESS	3	DEBRDCBA	ADDRESS OF DCB FOR THE READ ASSOCIATED DATA SET
40 (28)	A-ADDRESS	4	DEBPDCB	ADDRESS OF DCB FOR THE PUNCH ASSOCIATED DATA SET
40 (28)	HEX	1	DEBRSV07	RESERVED
41 (29)	A-ADDRESS	3	DEBPDCBA	ADDRESS OF DCB FOR THE PUNCH ASSOCIATED DATA SET
44 (2C)	A-ADDRESS	4	DEBWDCB	ADDRESS OF DCB FOR THE PRINT ASSOCIATED DATA SET
44 (2C)	HEX	1	DEBRSV08	RESERVED
45 (2D)	A-ADDRESS	3	DEBWDCBA	ADDRESS OF DCB FOR THE PRINT ASSOCIATED DATA SET

3540 ACCESS METHOD DEPENDENT SECTION
(OS/VS1 ONLY)
NOTE THIS SECTION FOLLOWS DEBSUBCA IN UNIT RECORD, MAGNETIC
TAPE, TELECOMMUNICATIONS DEVICES SECTION IF DEB IS
FOR 3540 DEVICE.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
36 (24)	CHARACTER	16	DEBASC09	3540 ACCESS METHOD DEPENDENT SECTION
36 (24)	CHARACTER	1	DEBVOLAC	VOLUME ACCESSABILITY INDICATOR
37 (25)	CHARACTER	1	DEBDSSQL	DATA SET SECURITY QUALIFIER
38 (26)	SIGNED	1	DEBVSEQU	VOLUME SEQUENCE NUMBER
39 (27)	BITSTRING	1	DEBEAMFG	FLAG BYTE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			DEBMULTI	X'80' MULTI-VOLUME INDICATOR
.1..			DEBDSOPN	X'40' DATA SET IS OPEN
..1.			DEBVAMSG	X'20' VOLUME ACCESSABILITY MESSAGE HAS BEEN ISSUED
...1			DEBSECVL	X'10' SECURE VOLUME
.... 1...			DEBRV004	X'08',,C'X' RESERVED
.... .1..			DEBRV005	X'04',,C'X' RESERVED
.... ..1.			DEBRV006	X'02',,C'X' RESERVED
....1			DEBRV007	X'01',,C'X' RESERVED
40 (28) CHARACTER		8	DEBDSID	DATA SET IDENTIFIER (DSID) (INPUT)
40 (28) CHARACTER		6	DEBEXDTE	EXPIRATION DATE (OUTPUT)
46 (2E) CHARACTER		1	DEBWTPTI	WRITE PROTECT INDICATOR (OUTPUT)
47 (2F) CHARACTER		1	DEBRV008	RESERVED (OUTPUT)
48 (30) CHARACTER		4	DEBEOD	END OF DATA (EOD) ADDRESS (INPUT)
48 (30) CHARACTER		4	DEBBOE	BEGINNING OF EXTENT (BOE) ADDRESS (OUTPUT)
48 (30) HEX		1	DEBEODRV	RESERVED
48 (30) HEX		1	DEBBOERV	RESERVED
49 (31) HEX		1	DEBEODTT	EOD TRACK NUMBER
49 (31) HEX		1	DEBBOETT	BOE TRACK NUMBER
50 (32) HEX		1	DEBEOD0	MUST BE ZERO
50 (32) HEX		1	DEBBOE0	MUST BE ZERO
51 (33) HEX		1	DEBEODSS	EOD SECTOR NUMBER
51 (33) HEX		1	DEBBOESS	BOE SECTOR NUMBER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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DEB ISAM DEPENDENT SECTION
NOTE PRESENT ONLY IF ISAM IS USED. FOLLOWS THE BASIC
      SECTION AND PRECEDES THE DIRECT ACCESS STORAGE DEVICE
      SECTION. COUNTED AS ONE EXTENT IN DEBNMEXT.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
32 (20)	A-ADDRESS	4	DEBFIEAD	ADDRESS OF FIRST INDEX EXTENT
32 (20)	BITSTRING	1	DEBNIEE	NUMBER OF EXTENTS OF INDEPENDENT INDEX AREA
33 (21)	A-ADDRESS	3	DEBFIEB	ADDRESS OF FIRST INDEX EXTENT
36 (24)	A-ADDRESS	4	DEBFPEAD	ADDRESS OF THE FIRST PRIME DATA EXTENT
36 (24)	BITSTRING	1	DEBNPEE	NUMBER OF EXTENTS OF PRIME DATA AREA (M=0 EXTENT)
37 (25)	A-ADDRESS	3	DEBFPEB	ADDRESS OF THE FIRST PRIME DATA EXTENT
40 (28)	A-ADDRESS	4	DEBFOEAD	ADDRESS OF THE FIRST OVERFLOW EXTENT
40 (28)	BITSTRING	1	DEBNOEE	NUMBER OF EXTENTS OF INDEPENDENT OVERFLOW AREA
41 (29)	A-ADDRESS	3	DEBFOEB	ADDRESS OF THE FIRST OVERFLOW EXTENT
44 (2C)	A-ADDRESS	4	DEBEXPT	ADDRESS OF ISAM DEB EXTENSION
44 (2C)	BITSTRING	1	DEBRPSID	ROTATIONAL POSITION SENSING (RPS) DEVICE INDICATORS
	1...		DEBRPSP	X'80' PRIME DATA AREA IS ON RPS DEVICE
	.1..		DEBRPSI	X'40' INDEPENDENT INDEX AREA IS ON RPS DEVICE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			DEBRPSO	X'20' INDEPENDENT OVERFLOW AREA IS ON RPS DEVICE
...1			DEBRPSAP	X'10' RPS SIO APPENDAGE HAS BEEN LOADED
.... 1...			DEBRSV09	X'08',,C'X' RESERVED
.... .1..			DEBRSV10	X'04',,C'X' RESERVED
.... ..1.			DEBRSV11	X'02',,C'X' RESERVED
....1			DEBRSV12	X'01',,C'X' RESERVED
45 (2D)	A-ADDRESS	3	DEBEXPTA	ADDRESS OF ISAM DEB EXTENSION

===

DIRECT-ACCESS STORAGE DEVICE SECTION
NOTE IF ISAM IS BEING USED, THIS SECTION FOLLOWS THE ISAM
      DEVICE DEPENDENT SECTION. OTHERWISE, IT FOLLOWS THE
      BASIC SECTION.
      THERE IS ONE OF THESE SECTIONS FOR EACH EXTENT.

0 (0)	STRUCTURE	0	DEBDASD	
0 (0)	A-ADDRESS	4	DEBUCBAD	ADDRESS OF UCB ASSOCIATED WITH THIS DATA EXTENT
0 (0)	BITSTRING	1	DEBDVMOD	DEVICE MODIFIER FILE MASK
1 (1)	A-ADDRESS	3	DEBUCBA	ADDRESS OF UCB ASSOCIATED WITH THIS DATA EXTENT
4 (4)	CHARACTER	2	DEBBINUM	BIN NUMBER
6 (6)	CHARACTER	2	DEBSTRCC	CYLINDER ADDRESS FOR THE START OF AN EXTENT LIMIT
8 (8)	CHARACTER	2	DEBSTRHH	READ/WRITE TRACK ADDRESS FOR THE START OF AN EXTENT LIMIT
10 (A)	CHARACTER	2	DEBENDCC	CYLINDER ADDRESS FOR THE END OF AN EXTENT LIMIT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
12	(C) CHARACTER	2	DEBENDXH	READ/WRITE TRACK ADDRESS FOR THE END OF AN EXTENT LIMIT
14	(E) CHARACTER	2	DEBNMTRK	NUMBER OF TRACKS ALLOCATED TO A GIVEN EXTENT. FOR SPLIT CYLINDER DATA SETS, THIS FIELD REPRESENTS THE NUMBER OF TRACKS BETWEEN THE START ADDRESS OF THE EXTENT AND THE END ADDRESS OF THE EXTENT.

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EXCP ACCESS METHOD, BSAM AND QSAM DEPENDENT SECTION

0	(0) STRUCTURE	0	DEBACSMD	

0	(0) CHARACTER	2	DEBVOLSQ	VOLUME SEQUENCE NUMBER FOR MULTIVOLUME SEQUENTIAL DATA SETS

0	(0) BITSTRING	1	DEBVOLBT	FIRST BYTE OF DEBVOLSQ
	1...		DEBEXFUL	X'80' SET BY EOV WHEN REWRITING AN OLD DIRECT ACCESS DATA SET TO INDICATE THAT ALL PREVIOUS EXISTING EXTENTS HAVE BEEN FILLED
	.1..		DEBRSV36	X'40',,C'X' RESERVED
	..1.		DEBRSV37	X'20',,C'X' RESERVED
	...1		DEBRSV38	X'10',,C'X' RESERVED
	.... 1...		DEBRSV39	X'08',,C'X' RESERVED
	.... .1..		DEBRSV40	X'04',,C'X' RESERVED
	.... ..1.		DEBRSV41	X'02',,C'X' RESERVED
	1		DEBRSV42	X'01',,C'X' RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1	(1) SIGNED	1	DEBVLSEQ	FOR DIRECT ACCESS, SEQUENCE NUMBER OF THE VOLUME OF THE DATA SET RELATIVE TO THE FIRST VOLUME OF THE DATA SET. FOR TAPE, SEQUENCE NUMBER OF THE VOLUME OF THE DATA SET RELATIVE TO THE FIRST VOLUME PROCESSED.(MDC019)
2	(2) CHARACTER	2	DEBVOLNM	TOTAL NUMBER OF VOLUMES IN A MULTIVOLUME SEQUENTIAL DATA SET.
4	(4) CHARACTER	8	DEBDSNM	MEMBER NAME. THIS FIELD APPEARS ONLY WHEN AN OUTPUT DATA SET HAS BEEN OPENED FOR A MEMBER NAME AND THE DSCB SPECIFIES A PARTITIONED DATA SET.
4	(4) A-ADDRESS	4	DEBUTSAA	ADDRESS OF THE USER TOTALING SAVE AREA
4	(4) HEX	1	DEBRSV13	RESERVED·
5	(5) A-ADDRESS	3	DEBUTSAB	ADDRESS OF THE USER TOTALING SAVE AREA
8	(8) HEX	4	DEBRSV14	RESERVED (IF USER TOTALING WAS SPECIFIED)
12	(C) SIGNED	2	DEBBLKSI	MAXIMUM BLOCK SIZE
14	(E) SIGNED	2	DEBLRECL	LOGICAL RECORD LENGTH

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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BPAM DEPENDENT SECTION

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) CHARACTER	1	DEBEXTNM	FOR A PARTITIONED DATA SET OPENED FOR INPUT, EACH ONE-BYTE FIELD CONTAINS THE EXTENT NUMBER OF THE FIRST EXTENT ENTRY FOR EACH DATA SET EXCEPT THE FIRST, IF TWO OR MORE DATA SETS ARE CONCATENATED. THE NUMBER OF BYTES IN THE FIELD IS EQUAL TO ONE LESS THAN THE NUMBER OF DATA SETS CONCATENATED.
0	(0) CHARACTER	8	DEBDSNAM	FOR A PARTITIONED DATA SET OPENED FOR OUTPUT FOR A MEMBER NAME, THIS FIELD IS THE MEMBER NAME.

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BDAM DEPENDENT SECTION

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) SIGNED	4	DEBDBLK	ONE FOUR-BYTE FIELD FOR EACH EXTENT DESCRIBED IN THE DEVICE DEPENDENT SECTION
0	(0) A-ADDRESS	1	DEBDBPT	NUMBER OF BLOCKS PER TRACK
1	(1) CHARACTER	3	DEBDBPE	NUMBER OF BLOCKS PER EXTENT
0	(0) SIGNED	4	DEBDTPP	NUMBER OF TRACKS PER PERIOD

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
4 (4)	SIGNED	4	DEBDBPP	NUMBER OF BLOCKS PER PERIOD THE FOLLOWING FIELD OCCURS ONCE FOR EACH EXTENT.
8 (8)	SIGNED	4	DEBDBPEF	NUMBER OF BLOCKS PER EXTENT

BTAM DEPENDENT SECTION

NOTE   THIS SEGMENT IS ALWAYS PRESENT FOR BTAM. IT IS USED WHEN A BUFFER POOL OR DYNAMIC BUFFERING IS USED. OTHERWISE, THE FIELDS ARE ZERO.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	A-ADDRESS	4	DEBTBFRA	ADDRESS OF THE BUFFER ROUTINE
0 (0)	HEX	1	DEBRSV15	RESERVED
1 (1)	A-ADDRESS	3	DEBTBFRB	ADDRESS OF THE BUFFER ROUTINE THE FOLLOWING FIELD IS REPEATED FOR EACH CCW ON THE CHANNEL PROGRAM QUEUE
4 (4)	A-ADDRESS	4	DEBTCCWA	ADDRESS OF THE FIRST (OR FOLLOWING) CCW ON THE QUEUE
4 (4)	HEX	1	DEBRSV16	RESERVED
5 (5)	A-ADDRESS	3	DEBTCCWB	ADDRESS OF THE FIRST (OR FOLLOWING) CCW ON THE QUEUE

GAM DEPENDENT SECTION

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	A-ADDRESS	4	DEBFUCBA	ADDRESS OF FIRST UCB
0 (0)	HEX	1	DEBRSV17	RESERVED
1 (1)	A-ADDRESS	3	DEBFUCBB	ADDRESS OF FIRST UCB
4 (4)	A-ADDRESS	4	DEBLUCBA	ADDRESS OF LAST UCB
4 (4)	HEX	1	DEBRSV18	RESERVED
5 (5)	A-ADDRESS	3	DEBLUCBB	ADDRESS OF LAST UCB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

===

ISAM LOAD MODE EXTENSION
POINTED TO BY DEBEXPT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) A-ADDRESS	4	DEBDCBFA	ADDRESS OF DCB FIELD AREA
4	(4) A-ADDRESS	4	DEBPUT	ADDRESS OF PUT MODULE

===

ISAM SCAN MODE EXTENSION
POINTED TO BY DEBEXPT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) A-ADDRESS	4		DEBDCBFA ADDRESS OF DCB FIELD AREA
4	(4) A-ADDRESS	4	DEBGET	ADDRESS OF GET OR PUT MODULE THIS FIELD IS ALSO CALLED DEBPUT
8	(8) A-ADDRESS	4	DEBWKPT4	SAME AS DCBWKPT4 ADDRESS OF UCB
12	(C) A-ADDRESS	4	DEBWKPT5	SAME AS DCBWKPT5 ADDRESS OF GET APPENDAGE MODULE
16	(10) A-ADDRESS	4	DEBCREAD	ADDRESS OF CHANNEL-END APPENDAGE FOR READ
20	(14) A-ADDRESS	4	DEBCSETL	ADDRESS OF CHANNEL-END APPENDAGE FOR SETL
24	(18) A-ADDRESS	4	DEBCWRIT	ADDRESS OF CHANNEL-END APPENDAGE FOR WRITE
28	(1C) A-ADDRESS	4	DEBCCHK	ADDRESS OF CHANNEL-END APPENDAGE FOR WRITE VALIDITY CHECK
32	(20) A-ADDRESS	4	DEBCREWT	ADDRESS OF CHANNEL-END APPENDAGE FOR RE-WRITE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
36 (24)	A-ADDRESS	4	DEBCRECK	ADDRESS OF CHANNEL-END APPENDAGE FOR RE-CHECK
40 (28)	A-ADDRESS	4	DEBAREAD	ADDRESS OF ABNORMAL-END APPENDAGE FOR READ
44 (2C)	A-ADDRESS	4	DEBASETL	ADDRESS OF ABNORMAL-END APPENDAGE FOR SETL
48 (30)	A-ADDRESS	4	DEBAWRIT	ADDRESS OF ABNORMAL-END APPENDAGE FOR WRITE
52 (34)	A-ADDRESS	4	DEBACHK	ADDRESS OF ABNORMAL-END APPENDAGE FOR WRITE VALIDITY CHECK
56 (38)	A-ADDRESS	4	DEBAREWT	ADDRESS OF ABNORMAL-END APPENDAGE FOR RE-WRITE
60 (3C)	A-ADDRESS	4	DEBARECK	ADDRESS OF ABNORMAL-END APPENDAGE FOR RE-CHECK
64 (40)	A-ADDRESS	4	DEBRPSST	ADDRESS OF RPS SIO APPENDAGE IF ADDRSPC=REAL WAS NOT SPECIFIED

===

BISAM MODE EXTENSION
POINTED TO BY DEBEXPT

0 (0)	A-ADDRESS	4		DEBDCBFA ADDRESS OF DCB FIELD AREA
4 (4)	A-ADDRESS	4	DEBDISAD	ADDRESS OF PRIVILEGED MODULE ENTERED WHEN A BISAM MACRO INSTRUCTION IS EXECUTED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
8 (8)	A-ADDRESS	4		DEBWKPT4 SAME AS DCBWKPT4 ADDRESS OF THE PART 1 APPENDAGE MODULE (ABNORMAL AND CHANNEL-END APPENDAGES)
12 (C)	A-ADDRESS	4		DEBWKPT5 SAME AS DCBWKPT5 ADDRESS OF THE PART 2 APPENDAGE MODULE (ABNORMAL AND CHANNEL-END APPENDAGES)
16 (10)	A-ADDRESS	4	DEBFREED	ADDRESS OF DYNAMIC BUFFERING MODULE
20 (14)	A-ADDRESS	4	DEBRPSIO	ADDRESS OF RPS SIO APPENDAGE MODULE IF ADDRSPC=REAL WAS NOT SPECIFIED AND IF DYNAMIC BUFFERING IS USED
24 (18)	A-ADDRESS	4	DEBSIOA2	ADDRESS OF DYNAMIC BUFFERING APPENDAGE MODULE DISPLACED BY PAGE FIX (PGFX) APPENDAGE IF ADDRSPC=REAL WAS NOT SPECIFIED

SUBROUTINE NAME SECTION
NOTE FOLLOWS THE ACCESS METHOD DEPENDENT SECTION, OR THE
      DEVICE DEPENDENT SECTION IF THERE IS NO ACCESS
      METHOD SECTION

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	DEBSUBNM	
0 (0)	CHARACTER	2	DEBSUBID	SUBROUTINE IDENTIFICATION. EACH ACCESS METHOD SUBROUTINE, APPENDAGE SUBROUTINE,

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				AND IRB ROUTINE WILL HAVE A UNIQUE EIGHT-BYTE NAME. THE LOW-ORDER TWO BYTES OF EACH ROUTINE NAME WILL BE IN THIS FIELD IF THE SUBROUTINE IS LOADED BY THE OPEN ROUTINES.

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DEB EXTENSION (OS/VS2)
POINTED TO BY DEBXTNP

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	DEBXTN	
0 (0)	SIGNED	2	DEBXLNGH	LENGTH OF DEB EXTENSION
2 (2)	BITSTRING	1	DEBXFLG1	FLAG BYTE
1...			DEBXCDCB	X'80' DEBDCBAD FIELD CONTAINS THE ADDRESS OF A COPIED DCB. USED BY END-OF-VOLUME, TCLOSE AND TASK CLOSE.
.1..			DEBXTSKC	X'40' TASK CLOSE IS CLOSING THE RELATED DCB. SET BY TASK CLOSE AND INTERROGATED BY END-OF-VOLUME, FEOV AND TCLOSE FOR DEB'S NOT ON THE CURRENT TCB DEB CHAIN.
..1.			DEBXDSSI	X'20' DATA SET SECURITY INDICATOR. SET BY OPEN AND CHECKPOINT. INTERROGATED BY EOV.
...1			DEBXRV43	X'10',,C'X' RESERVED
.... 1...			DEBXRV44	X'08',,C'X' RESERVED
.... .1..			DEBXRV45	X'04',,C'X' RESERVED
.... ..1.			DEBXRV46	X'02',,C'X' RESERVED
....1			DEBXRV47	X'01',,C'X' RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
3	(3) HEX	1	DEBXRV48	RESERVED
4	(4) A-ADDRESS	4	DEBXDSAB	POINTER TO DSAB
8	(8) HEX	4	DEBXDCBM	DCB MODIFICATION MASK USED BY I/O SUPPORT
12	(C) A-ADDRESS	4	DEBXDBPR	POINTER TO DEB
16	(10) BITSTRING	1	DEBXDSO1	SAME AS DCBDSORG BYTE 1
17	(11) BITSTRING	1	DEBXDSO2	SAME AS DCBDSORG BYTE 2
18	(12) BITSTRING	1	DEBXMCF1	SAME AS DCBMACRF BYTE 1
19	(13) BITSTRING	1	DEBXMCF2	SAME AS DCBMACRF BYTE 2
20	(14) A-ADDRESS	4	DEBXXARG	ADDRESS OF BDAM READ EXCLUSIVE LIST
24	(18) A-ADDRESS	4	DEBXOPNJ	POINTER TO DSAB (SEPARATE FROM DEBXDSAB) DYNAMICALLY ALLOCATED BY OPEN TYPE=J. THIS POINTER WILL EXIST FOR NON-AUTHORIZED CALLERS OF OPEN TYPE=J FOR A DIRECT ACCESS DATA SET WHERE THE DATA SET NAME BEING OPENED IS DIFFERENT FROM THE DATA SET DESCRIBED BY THE DDNAME IN DCB AND THE JFCNWRIT BIT IS ON IN JFCB. THE POINTER WILL BE USED BY CLOSE TO DYNAMICALLY UNALLOCATE THE DATA SET.
28	(1C) A-ADDRESS	4	DEBXSAMB	ADDRESS OF SAM BLOCK (SAMB)
0	(0) BAL STMT	0		

DEB	0 (0)	DEBENDHH	12 (C)
DEBABEND	12 X'80'	DEBEOD	48 (30)
DEBACCS	12 X'0F'	DEBEODRV	48 (30)
DEBACHK	52 (34)	DEBEODSS	51 (33)
DEBACSMD	0 (0)	DEBEODTT	49 (31)
DEBAMLNG	4 (4)	DEBEODO	50 (32)
DEBAMTYP	-3 (-3)	DEBEOEA	-36(-24)
DEBAPFIN	14 X'02'	DEBEOEAB	-36(-24)
DEBAPPAD	28 (1C)	DEBEOEAD	-35(-23)
DEBAPPB	29 (1D)	DEBEOENP	-36 X'0F'
DEBAREAD	40 (28)	DEBEOF	8 X'20'
DEBARECK	60 (3C)	DEBEOFDF	14 X'40'
DEBAREWT	56 (38)	DEBESMVR	-36 X'80'
DEBASC09	36 (24)	DEBEXDTE	40 (28)
DEBASETL	44 (2C)	DEBEXFUL	0 X'80'
DEBAVT	-36(-24)	DEBEXPT	44 (2C)
DEBAWRIT	48 (30)	DEBEXPTA	45 (2D)
DEBBINUM	4 (4)	DEBEXSCL	28 (1C)
DEBBLKSI	12 (C)	DEBEXTNM	0 (0)
DEBBOE	48 (30)	DEBFIEAD	32 (20)
DEBBOERV	48 (30)	DEBFIEB	33 (21)
DEBBOESS	51 (33)	DEBFIX	-32 X'10'
DEBBOETT	49 (31)	DEBFLGS1	14 (E)
DEBBOEO	50 (32)	DEBFCEAD	40 (28)
DEBCCHK	28 (1C)	DEBFOEB	41 (29)
DEBCEA	-24(-18)	DEBFPEAD	36 (24)
DEBCEAB	-24(-18)	DEBFPEB	37 (25)
DEBCEAD	-23(-17)	DEBFREED	16 (10)
DEBCENP	-24 X'0F'	DEBFUCBA	0 (0)
DEBCINDI	14 X'08'	DEBFUCBB	1 (1)
DEBCREAD	16 (10)	DEBFICEV	14 X'04'
DEBCRECK	36 (24)	DEBGET	4 (4)
DEBCREWT	32 (20)	DEBIOVR	-32 X'20'
DEBCSETL	20 (14)	DEBIRBAD	8 (8)
DEBCWRIT	24 (18)	DEBIRBB	9 (9)
DEBDASD	0 (0)	DEBLABEL	8 X'02'
DEBDBLK	0 (0)	DEBLNGTH	-4 (-4)
DEBDBPE	1 (1)	DEBLRECL	14 (E)
DEBDBPEF	8 (8)	DEBLUCBA	4 (4)
DEBDBPP	4 (4)	DEBLUCBB	5 (5)
DEBDBPT	0 (0)	DEBMULTI	39 X'80'
DEBDCB	8 X'08'	DEBNIEE	32 (20)
DEBDCBAD	24 (18)	DEBNMEXT	16 (10)
DEBDCBB	25 (19)	DEBNMSUB	0 (0)
DEBDCBFA	0 (0)	DEBNMTRK	14 (E)
DEBDCBMK	-8 (-8)	DEBNOEE	40 (28)
DEBDEBAD	4 (4)	DEBNPEE	36 (24)
DEBDEBB	5 (5)	DEBOFLGS	8 (8)
DEBDEBID	24 (18)	DEBOPATB	12 (C)
DEBDEVED	36 (24)	DEBPCIA	-28(-1C)
DEBDISAD	4 (4)	DEBPCIAB	-28(-1C)
DEBDISP	8 X'C0'	DEBPCIAD	-27(-1B)
DEBDSCBA	-15 (-F)	DEBPCINP	-28 X'0F'
DEBDSID	40 (28)	DEBPDCB	40 (28)
DEBDSNAM	0 (0)	DEBPDCBA	41 (29)
DEBDSNM	4 (4)	DEBPGFX	-32 X'80'
DEBDSOPN	39 X'40'	DEBPOSIT	12 X'30'
DEBDSSQL	37 (25)	DEBPREFX	-16(-10)
DEBDTPP	0 (0)	DEBPRIOR	20 (14)
DEBDVMOD	0 (0)	DEBPROTG	24 (18)
DEBEAMFG	39 (27)	DEBPUT	4 (4)
DEBECBAD	20 (14)	DEBPWCKD	14 X'80'
DEBECBB	21 (15)	DEBQSCNT	13 (D)
DEBENDCC	10 (A)	DEBRDCB	36 (24)

Common Name: Data Event Control Block
Macro ID: IHADECB
DSECT Name: DECB
Created by: READ macro
Subpool and Key: User subpool and key
Size: BSAM-24/32 bytes; BISAM-26 bytes; BDAM-32 bytes;
BTAM-40 or 48 bytes
Pointed to by: IOBECBPB field of the IOB data area points
to the DECSDECB field in the DECB associated with the IOB.
Serialization: The user is responsible for serialization.
The DECB is associated with the IOB, which is serialized
by the LOCAL lock during I/O interruption processing.
Function: Contains information about an input/output
operation requested via a READ or WRITE macro instruction.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	DECB	, DECBPTR
	1...		BIT0	128
	.1..		BIT1	64
	..1.		BIT2	32
	...1		BIT3	16
	.... 1...		BIT4	8
	.... .1..		BIT5	4
	.... ..1.		BIT6	2
	1		BIT7	1
0	(0) CHARACTER	4	DECSDECB	EVENT CONTROL BLOCK
4	(4) A-ADDRESS	4	DECBPTR	FOR IBM 1419 MAGNETIC CHARACTER READER AND IBM 1275 OPTICAL READER SORTER, A POINTER TO NEXT DECB TO BE TESTED FOR COMPLETION BY THE CHECK MACRO INSTRUCTION. (DECB CHAINING APPLIES TO THE USE OF MORE THAN ONE DEVICE.) THIS FIELD IN THE LAST DECB MUST BE ZERO.
4	(4) BITSTRING	2	DECTYPE	TYPE OF I/O REQUEST
4	(4) BITSTRING	1	DECTYPE1	TYPE OF LENGTH OPERAND
	1...		DECLNS	BIT0 S CODED FOR LENGTH
	.1..		DECRSV01	BIT1,,C'X' RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	..1.		DECRSV02	BIT2,,C'X' RESERVED
	...1		DECRSV03	BIT3,,C'X' RESERVED
	.... 1...		DECRSV04	BIT4,,C'X' RESERVED
	.... .1..		DECRSV05	BIT5,,C'X' RESERVED
	.... ..1.		DECRSV06	BIT6,,C'X' RESERVED
	1		DECRSV07	BIT7,,C'X' RESERVED
5	(5) BITSTRING	1	DECTYPE2	TYPE OF OPERATION
	1...		DECRDSF	BIT0 READ SF
	.1..		DECRDSB	BIT1 READ SB
	..1.		DECWRSF	BIT2 WRITE SF
	...1		DECWRSD	BIT3 WRITE SD
	.... 1...		DECRSV08	BIT4,,C'X' RESERVED
	.... .1..		DECWRSZ	BIT5 WRITE SZ
	.... ..1.		DECRSV09	BIT6,,C'X' RESERVED
	1		DECWRSFR	BIT7 WRITE SFR (BIT 2 IS ALSO ON) OR READ RBL (BIT 0 IS ALSO ON)
6	(6) SIGNED	2	DECLNGTH	LENGTH OF KEY AND DATA
8	(8) A-ADDRESS	4	DECDCBAD	ADDRESS OF THE DCB TO WHICH THIS I/O REQUEST IS RELATED
12	(C) A-ADDRESS	4	DECAREA	ADDRESS OF KEY AND DATA, OR FOR 1287 OR 1288 OPTICAL READERS, THE ADDRESS OF A USER-SPECIFIED CHANNEL PROGRAM
16	(10) A-ADDRESS	4	DECIOBPT	ADDRESS OF THE IOB
20	(14) A-ADDRESS	4	DECNEXT	SAME AS DECNEXTA BELOW
20	(14) HEX	1	DECRSV10	RESERVED
21	(15) A-ADDRESS	3	DECNEXTA	ADDRESS OF THE NEXT ADDRESS FEEDBACK FIELD. PRESENT ONLY IF R IS CODED IN THE WRITE MACRO.

DECB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
20 (14)	A-ADDRESS	4	DECBHDRA	FOR READ RBL, ADDRESS OF 3886 DATA HEADER RECORD AFTER READ
24 (18)	A-ADDRESS	4	DECBLNNM	FOR READ RBL, ADDRESS OF LINE NUMBER OR NEGATIVE OF LINE NUMBER
28 (1C)	A-ADDRESS	4	DECBLFMT	FOR READ RBL, ADDRESS OF LINE FORMAT NUMBER OR NEGATIVE OF LINE FORMAT NUMBER

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DATA EVENT CONTROL BLOCK FOR BISAM

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	CHARACTER	4	DECBECB	EVENT CONTROL BLOCK
0 (0)	A-ADDRESS	4	DECBRB	SAME AS DECBRBA BELOW
0 (0)	BITSTRING	1	DECBECBF	FLAG FIELD
	1...		DECBWAIT	BIT0 AWAITING COMPLETION OF EVENT
	.1..		DECBPOST	BIT1 EVENT HAS COMPLETED NORMALLY OR ABNORMALLY. IF THE EVENT COMPLETED ABNORMALLY, FIELDS DECBEXC1 AND DECBEXC2 WILL SHOW THE REASON.
	..1.		DECRSV11	BIT2,,C'X' RESERVED
	...1		DECRSV12	BIT3,,C'X' RESERVED
	.... 1...		DECRSV13	BIT4,,C'X' RESERVED
	.... .1..		DECRSV14	BIT5,,C'X' RESERVED
	.... ..1.		DECRSV15	BIT6,,C'X' RESERVED
	1		DECRSV16	BIT7,,C'X' RESERVED
1 (1)	A-ADDRESS	3	DECBRBA	ADDRESS OF THE RB FOR THE PROGRAM AWAITING EVENT (BEFORE EVENT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				COMPLETION) OR RESERVED (AFTER EVENT COMPLETION)
4	(4) BITSTRING	1	DECBTYP1	OPTION BYTE
	1...		DECRSV17	BIT0,,C'X' RESERVED
	.1..		DECRSV18	BIT1,,C'X' RESERVED
	..1.		DECRSV19	BIT2,,C'X' RESERVED
	...1		DECRSV20	BIT3,,C'X' RESERVED
	.... 1...		DECRSV21	BIT4,,C'X' RESERVED
	.... .1..		DECRSV22	BIT5,,C'X' RESERVED
	.... ..1.		DECBLNS	BIT6 LENGTH CODED AS 'S'
	1		DECBARS	BIT7 AREA CODED AS 'S'
5	(5) BITSTRING	1	DECBTYP2	TYPE OF I/O REQUEST
	1...		DECBRDK	BIT0 READ K
	.1..		DECRSV23	BIT1,,C'X' RESERVED
	..1.		DECBRDKU	BIT2 READ KU
	...1		DECRSV24	BIT3,,C'X' RESERVED
	.... 1...		DECBWRK	BIT4 WRITE K
	.... .1..		DECBWRKN	BIT5 WRITE KN
	.... ..1.		DECRSV25	BIT6,,C'X' RESERVED
	1		DECRSV26	BIT7,,C'X' RESERVED
6	(6) SIGNED	2	DECBLGTH	NUMBER OF BYTES READ OR WRITTEN
8	(8) A-ADDRESS	4	DECBDCBA	ADDRESS OF THE DATA CONTROL BLOCK
12	(C) A-ADDRESS	4	DECBAREA	ADDRESS OF THE AREA IN STORAGE FOR THE RECORD
16	(10) A-ADDRESS	4	DECBLOGR	ADDRESS OF THE LOGICAL RECORD
20	(14) A-ADDRESS	4	DECBKEY	ADDRESS OF THE KEY PORTION OF THE RECORD
24	(18) BITSTRING	1	DECBEXC1	EXCEPTIONAL CONDITION CODE BYTE 1
	1...		DECEXRNF	BIT0 RECORD NOT FOUND
	.1..		DECEXRLC	BIT1 RECORD LENGTH CHECK

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			DECEXNSP	BIT2 SPACE NOT FOUND IN WHICH TO ADD A RECORD
...1			DECEXINV	BIT3 INVALID REQUEST
.... 1...			DECEXERR	BIT4 UNCORRECTABLE I/O ERROR
.... .1..			DECEXUBK	BIT5 UNREACHABLE BLOCK
.... ..1.			DECEXOFL	BIT6 OVERFLOW RECORD
....1			DECEXDUP	BIT7 DUPLICATE RECORD PRESENTED FOR INCLUSION IN THE DATA SET
25 (19)	BITSTRING	1	DECBEXC2	EXCEPTIONAL CONDITION CODE BYTE 2
1...			DECRSV27	BIT0,,C'X' RESERVED
.1..			DECRSV28	BIT1,,C'X' RESERVED
..1.			DECRSV29	BIT2,,C'X' RESERVED
...1			DECRSV30	BIT3,,C'X' RESERVED
.... 1...			DECRSV31	BIT4,,C'X' RESERVED
.... .1..			DECRSV32	BIT5,,C'X' RESERVED
.... ..1.			DECEXASR	BIT6 EXECUTION OF THE LAST CHANNEL PROGRAM WAS INSTITUTED BY AN ASYNCHRONOUS ROUTINE
....1			DECEXRKU	BIT7 PREVIOUS MACRO INSTRUCTION WAS READ KU

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DATA EVENT CONTROL BLOCK FOR BDAM

0 (0)	CHARACTER	4		DECSDECB EVENT CONTROL BLOCK
0 (0)	BITSTRING	1		COMPLETION CODE BYTE 1
1 (1)	BITSTRING	1	DECCC2	COMPLETION CODE BYTE 2
1...			DECCCRNF	BIT0 RECORD NOT FOUND
.1..			DECCCRLC	BIT1 RECORD LENGTH CHECK

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			DECCCNSP	BIT2 SPACE NOT FOUND
...1			DECCCINV	BIT3 INVALID REQUEST. (THIS CONDITION ALSO SETS A BIT IN THE NEXT BYTE.)
.... 1...			DECCCERR	BIT4 UNCORRECTABLE I/O ERROR
.... .1..			DECCCEOD	BIT5 END OF DATA
.... ..1.			DECCCUER	BIT6 UNCORRECTABLE ERROR OTHER THAN AN I/O ERROR
....1			DECCCREX	BIT7 A WRITE WITH EXCLUSIVE CONTROL WAS NOT PRECEDED BY A READ WITH EXCLUSIVE CONTROL
2	(2) BITSTRING	1	DECCC3	COMPLETION CODE BYTE 3
1...			DECRSV33	BIT0,,C'X' RESERVED
.1..			DECCCWRI	BIT1 A WRITE MACRO INSTRUCTION WAS ADDRESSED TO AN INPUT DATA SET
..1.			DECCCEXS	BIT2 AN EXTENDED SEARCH WAS SPECIFIED WITH THE DCBLIMCT FIELD SET TO ZERO
...1			DECCCNBK	BIT3 THE BLOCK REQUESTED IS NOT WITHIN THE DATA SET
.... 1...			DECCCWDI	BIT4 A WRITE-BY-IDENTIFICATION (DI) ADDRESSED RECORD ZERO
.... .1..			DECCCSDK	BIT5 A SEARCH-ON-KEY (DK) WAS SPECIFIED WITH THE DCBKEYLE FIELD SET TO ZERO OR WITHOUT AN ADDRESS FOR THE KEY

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... ..1.		DECCCOPT	BIT6 A MACRO INSTRUCTION USED AN OPTION NOT SET IN THE DCB
	1		DECCCKFF	BIT7 THE KEY FOR THE FIXED-LENGTH RECORD TO BE ADDED BEGINS WITH X'FF'
3	(3) HEX	1	DECRSV34	RESERVED
4	(4) BITSTRING	2	DECTYPE	TYPE OF I/O REQUEST
4	(4) BITSTRING	1	DECTYPE1	FIRST BYTE OF DECTYPE
	1...		DECVERFY	BIT0 VERIFY
	.1..		DECOFLOW	BIT1 OVERFLOW
	..1.		DECEXSRC	BIT2 EXTENDED SEARCH
	...1		DECFDBCK	BIT3 FEEDBACK
	.... 1...		DECACTAD	BIT4 ACTUAL ADDRESSING
	.... .1..		DECDYNBF	BIT5 DYNAMIC BUFFERING
	.... ..1.		DECRDEX	BIT6 READ EXCLUSIVE
	1		DECRELBA	BIT7 RELATIVE BLOCK ADDRESSING
5	(5) BITSTRING	1		DECTYPE2 SECOND BYTE OF DECTYPE
	1...		DECKEYS	BIT0 S CODED FOR KEY ADDRESS
	.1..		DECBKLNS	BIT1 S CODED FOR BLOCK LENGTH
	..11		DECTYPRU	BIT2+BIT3 RU IS SUFFIXED TO THE TYPE, INDICATING THAT THE FEEDBACK ADDRESS POINTED TO BY DECNXADR CAN BE THE ADDRESS OF EITHER THE NEXT DATA RECORD OR THE NEXT CAPACITY RECORD, WHICHEVER OCCURS FIRST

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
...1			DECTYPR	BIT3 R IS SUFFIXED TO THE TYPE, INDICATING THAT THE FEEDBACK ADDRESS POINTED TO BY DECNXADR IS THE ADDRESS OF THE NEXT DATA RECORD. (BIT 2 IS ZERO)
.... 1...			DECOPRD	BIT4 TYPE OF OPERATION 0 IS WRITE, 1 IS READ
.... .1..			DECSRKEY	BIT5 TYPE OF SEARCH ARGUMENT 0 IS ID, 1 IS KEY
.... ..1.			DECWRADD	BIT6 ADD OPTION OF WRITE OPERATION
....1			DECRSV35	BIT7,,C'X' RESERVED
6	(6) SIGNED	2	DECLNGTH	LENGTH OF DATA
8	(8) A-ADDRESS	4	DECDCBAD	ADDRESS OF DCB TO WHICH THIS I/O REQUEST IS RELATED
12	(C) A-ADDRESS	4	DECAREA	ADDRESS OF THE DATA
16	(10) A-ADDRESS	4	DECIOBPT	ADDRESS OF THE IOB
20	(14) A-ADDRESS	4	DECKYADR	ADDRESS OF THE KEY
24	(18) A-ADDRESS	4	DECRECPT	ADDRESS OF THE BLOCK REFERENCE FIELD
28	(1C) A-ADDRESS	4	DECNA	SAME AS DECNAA BELOW
28	(1C) HEX	1	DECRSV36	RESERVED
29	(1D) A-ADDRESS	3	DECNAA	ADDRESS OF THE NEXT ADDRESS FEEDBACK FIELD. PRESENT ONLY IF R OR RU IS CODED IN THE READ

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				MACRO.

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DATA EVENT CONTROL BLOCK FOR QTAM

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) CHARACTER	4	LINEDECB	ALWAYS ZERO
4	(4) HEX	1	DECRSV37	RESERVED
5	(5) CHARACTER	1	DECOPCOD	OPERATION CODE FOR CURRENT SEGMENT
6	(6) SIGNED	2	DECLNGTH	LENGTH OF INPUT AREA FOR INITIAL READ
8	(8) A-ADDRESS	4	DECDCBAD	ADDRESS OF DCB
12	(C) A-ADDRESS	4	DECAREA	STARTING ADDRESS FOR DATA IN A BUFFER
16	(10) HEX	4	DECRSV38	RESERVED
20	(14) A-ADDRESS	4	DECCPOL	SAME AS DECCPOLA BELOW
20	(14) SIGNED	1	DECNMMSG	NUMBER OF MESSAGES RECEIVED
21	(15) A-ADDRESS	3	DECCPOLA	ADDRESS OF CURRENTLY ACTIVE ENTRY IN POLLING LIST
24	(18) HEX	1	DECRSV39	RESERVED
25	(19) SIGNED	1	DECUCBDX	INDEX TO UCB ADDRESS IN DEB
26	(1A) HEX	2	DECRSV40	RESERVED
28	(1C) HEX	4	DECRSV41	RESERVED
32	(20) A-ADDRESS	4	DECADRCH	ADDRESS OF ADDRESSING CHARACTERS IN TERMINAL ENTRY
36	(24) A-ADDRESS	4	DECPOLPT	ADDRESS OF POLLING LIST
36	(24) HEX	1	DECRSV42	RESERVED
37	(25) A-ADDRESS	3	DECPOLPA	ADDRESS OF POLLING LIST

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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DATA EVENT CONTROL BLOCK FOR BTAM

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) CHARACTER	4		DECSDECB EVENT CONTROL BLOCK
4	(4) BITSTRING	2		DECTYPE PROGRAMMING INDICATORS
4	(4) BITSTRING	1		DECTYPE1 FIRST BYTE OF DECTYPE
	1...		DECRDAPL	BIT0 READ, USING AUTOPOLL
	.1..		DECRSV43	BIT1,,C'X' RESERVED
	..1.		DECRSV44	BIT2,,C'X' RESERVED
	...1		DECRSV45	BIT3,,C'X' RESERVED
	.... 1...		DECRSV46	BIT4,,C'X' RESERVED
	.... .1..		DECSTRME	BIT5 'S' CODED FOR TERMINAL ENTRY
	.... ..1.		DECSAREA	BIT6 'S' CODED FOR AREA
	1		DECSLNTH	BIT7 'S' CODED FOR LENGTH
5	(5) CHARACTER	1		DECTYPE2 COMMAND CODE
6	(6) SIGNED	2		DECLNGTH LENGTH OF BUFFER OR MESSAGE AREA
8	(8) A-ADDRESS	4		DECDCBAD ADDRESS OF ASSOCIATED DCB
8	(8) SIGNED	1	DECBUFCT	CONTAINS A RUNNING COUNT OF BUFFERS OBTAINED BY BTAM FOR THE CURRENT READ OPERATION. (DYNAMIC BUFFERING ONLY.) USE DIFFERS DURING BSC AND 2760 ONLINE TEST.
8	(8) BITSTRING	1	DECONLTT	FLAG BYTE FOR BSC AND 2760 ONLINE TEST

DECB   DECB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			DECONLTS	BIT0 IF ZERO, ONLINE TEST REQUESTED BY RFT MESSAGE (BSC). IF ONE, ONLINE TEST INITIATED BY ONLTST MACRO INSTRUCTION (BSC).
.1..			DECRCVMS	BIT1 IF ZERO, SENDING TEST MESSAGES (BSC). IF ONE, RECEIVING TEST MESSAGES (BSC) OR TYPE 11 ONLINE TEST FOR 2760 OPTICAL IMAGE UNIT.
..1.			DECRSV47	BIT2,,C'X' RESERVED
...1			DECRSV48	BIT3,,C'X' RESERVED
.... 1...			DECRSV49	BIT4,,C'X' RESERVED
.... .1..			DECRSV50	BIT5,,C'X' RESERVED
.... ..1.			DECRSV51	BIT6,,C'X' RESERVED
....1			DECRSV52	BIT7,,C'X' RESERVED
9	(9) A-ADDRESS	3	DECDCBAA	ADDRESS OF ASSOCIATED DCB
12	(C) A-ADDRESS	4		DECAREA ADDRESS OF BUFFER OR MESSAGE AREA
16	(10) BITSTRING	1	DECSENS0	SENSE INFORMATION
17	(11) BITSTRING	1	DECSENS1	RESERVED
18	(12) SIGNED	2	DECCOUNT	RESIDUAL COUNT FROM CSW FOR LAST CCW EXECUTED
20	(14) A-ADDRESS	4	DECENTRY	ADDRESS OF THE TERMINAL LIST
20	(14) CHARACTER	1	DECCMCOD	COMMAND FOR WHICH THE ERROR OCCURRED
21	(15) A-ADDRESS	3	DECENTRA	ADDRESS OF THE TERMINAL LIST
24	(18) BITSTRING	1	DECFLAGS	OPERATION STATUS
11..			DECWACK	BIT0+BIT1 WACK WAS RECEIVED (BSC)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			DECERRMS	BIT0 ERROR STATUS MESSAGE WAS RECEIVED (BSC). BIT 1 IS OFF.
.1..			DECDIFAC	BIT1 ACKNOWLEDGMENT OTHER THAN ACK-0 OR ACK-1 RECEIVED (BSC)
..1.			DECALTAC	BIT2 ACKNOWLEDGMENT ALTERNATION INCORRECT
...1			DECBADID	BIT3 FOR TWX 33/35 STATION AND BSC STATION, INCORRECT ID RECEIVED. FOR AUTOPOLL, INDEX BYTE RECEIVED DOES NOT MATCH AN ACTIVE ONE. FOR BSC NONSWITCHED POINT-TO-POINT LINE, CONTENTION OCCURRED. FOR WTTA, CONTENTION OCCURRED OR INCORRECT ID RECEIVED.
.... 1...			DECNOBUF	BIT4 FOR READ, DYNAMIC BUFFERING, NO BUFFER WAS AVAILABLE. (MESSAGE LOST)
.... .1..			DECNEGRP	BIT5 FOR OPENLST, POLLING, NEGATIVE RESPONSE TO POLLING RECEIVED. FOR WRAPLST, ALL ENTRIES ARE INACTIVE. FOR ADDRESSING, NEGATIVE RESPONSE TO ADDRESSING RECEIVED. FOR WTTA, LAST MESSAGE RECEIVED ENDED WITH EOT OR TIME-OUT. FOR 2741, POWER IS OFF OR OTHER

DECB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				INTERVENTION REQUIRED CONDITION EXISTS.
	.... ..1.		DECREVRS	BIT6 FOR WTTA, MESSAGE ENDED WITH WRU SIGNAL. FOR BSC STATIONS, REVERSE INTERRUPT (RVI) SEQUENCE WAS RECEIVED (SEE ALSO BIT 1). FOR 2741, WRITE OPERATION WAS ENDED BY TERMINAL INTERRUPT.
	.... ..1.		DECSSMSG	BIT6 A 3270 REMOTE SENSE/STATUS MESSAGE WAS RECEIVED IF THIS BIT IS ONE AND BIT 1 IS ZERO
	1		DECSTXNQ	BIT7 FOR WTTA, CONTENTION CONDITION WAS ENCOUNTERED. FOR BSC STATIONS, STX ENQ SEQUENCE WAS RECEIVED.
25	(19) SIGNED	1	DECRLN	RELATIVE LINE NUMBER
26	(1A) CHARACTER	2	DECRESPN	FOR BSC OPERATIONS, RESPONSE FROM A TERMINAL TO ADDRESSING. FOR STOP-START OPERATIONS, BYTE 1 IS RESPONSE FROM A TERMINAL TO ADDRESSING AND BYTE 2 IS VERTICAL REDUNDANCY CHARACTER AND LONGITUDINAL REDUNDANCY CHARACTER (VRC/LRC) RESPONSE.
28	(1C) CHARACTER	1	DECTPCOD	TP OPERATION CODE
29	(1D) BITSTRING	1	DECERRST	I/O ERROR STATUS FLAGS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			DECSIO3	BIT0 SIO RESULTED IN A CONDITION CODE OF 3
.1..			DECUNDEF	BIT1 UNDEFINED ERROR CONDITION
..1.			DECERPER	BIT2 AN ERROR CONDITION OCCURRED DURING AN I/O OPERATION INITIATED BY ERROR RECOVERY ROUTINES
...1			DECDIAGN	BIT3 DIAGNOSTIC WRITE/READ OPERATION ENDED BECAUSE OF ERROR (2701 ONLY)
.... 1...			DECOSABL	BIT4 DISABLE COMMAND ISSUED TO SWITCHED LINE BY ERROR RECOVERY ROUTINE BECAUSE OF PERMANENT ERROR ON THAT LINE
.... .1..			DECRSV53	BIT5,,C'X' RESERVED
.... ..1.			DECRSV54	BIT6,,C'X' RESERVED
....1			DECRSV55	BIT7,,C'X' RESERVED
30 (1E)	BITSTRING	2	DECCSWST	STATUS BITS FROM CSW FOR LAST CCW EXECUTED
32 (20)	A-ADDRESS	4	DECADRPT	ADDRESS OF ADDRESSING LIST ENTRY USED IN PREVIOUS OPERATION
36 (24)	A-ADDRESS	4	DECPOLPT	SAME AS DECPOLPA BELOW
36 (24)	SIGNED	1	DECNDXPL	FOR AUTOPOLL, INDEX TO CURRENT ENTRY IN POLLING LIST
37 (25)	A-ADDRESS	3	DECPOLPA	FOR PROGRAMMED POLLING, ADDRESS OF THE CURRENT ENTRY IN THE POLLING

DECB

DECB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				LIST. FOR AUTOPOLL, ADDRESS OF POLLING LIST. FOR BSC ON-LINE TEST, ADDRESS OF TEXT DATA.

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BSC EXTENSION
FIELDS ARE PRESENT ONLY IF A SUBLIST IS CODED FOR THE
AREA AND LENGTH OPERANDS OF THE READ OR WRITE MACRO
INSTRUCTION THAT DEFINES THE DECB.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
40 (28)	HEX	2	DECRSV56	RESERVED
42 (2A)	SIGNED	2	DECWLNG	LENGTH, IN BYTES, OF THE DATA AREA IN LEADING-GRAPHICS AND CONVERSATIONAL TYPE OPERATIONS OR OF THE AREA CONTAINING THE TONE CHARACTERS IN READ CONNECT WITH TONE (TCW) OPERATIONS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
44 (2C)	A-ADDRESS	4	DECWAREA	ADDRESS OF THE DATA AREA IN LEADING-GRAPHICS AND CONVERSATIONAL OPERATIONS, OR OF THE AREA CONTAINING THE TONE CHARACTERS IN READ TCW OPERATIONS

DECRSV11	0 X'20'	DECVERFY	4 X'80'
DECRSV12	0 X'10'	DECWACK	24 X'C0'
DECRSV13	0 X'08'	DECWAREA	44 (2C)
DECRSV14	0 X'04'	DECWLNG	42 (2A)
DECRSV15	0 X'02'	DECWRADD	5 X'02'
DECRSV16	0 X'01'	DECWRSD	5 X'10'
DECRSV17	4 X'80'	DECWRSF	5 X'20'
DECRSV18	4 X'40'	DECWRSFR	5 X'01'
DECRSV19	4 X'20'	DECWRSZ	5 X'04'
DECRSV20	4 X'10'	LINEDECB	0 (0)
DECRSV21	4 X'08'		
DECRSV22	4 X'04'		
DECRSV23	5 X'40'		
DECRSV24	5 X'10'		
DECRSV25	5 X'02'		
DECRSV26	5 X'01'		
DECRSV27	25 X'80'		
DECRSV28	25 X'40'		
DECRSV29	25 X'20'		
DECRSV30	25 X'10'		
DECRSV31	25 X'08'		
DECRSV32	25 X'04'		
DECRSV33	2 X'80'		
DECRSV34	3 (3)		
DECRSV35	5 X'01'		
DECRSV36	28 (1C)		
DECRSV37	4 (4)		
DECRSV38	16 (10)		
DECRSV39	24 (18)		
DECRSV40	26 (1A)		
DECRSV41	28 (1C)		
DECRSV42	36 (24)		
DECRSV43	4 X'40'		
DECRSV44	4 X'20'		
DECRSV45	4 X'10'		
DECRSV46	4 X'08'		
DECRSV47	8 X'20'		
DECRSV48	8 X'10'		
DECRSV49	8 X'08'		
DECRSV50	8 X'04'		
DECRSV51	8 X'02'		
DECRSV52	8 X'01'		
DECRSV53	29 X'04'		
DECRSV54	29 X'02'		
DECRSV55	29 X'01'		
DECRSV56	40 (28)		
DECSAREA	4 X'02'		
DECSDECB	0 (0)		
DECSENS0	16 (10)		
DECSENS1	17 (11)		
DECSIO3	29 X'80'		
DECSLNTH	4 X'01'		
DECSRKEY	5 X'04'		
DECSSMSG	24 X'02'		
DECSTRME	4 X'04'		
DECSTXNQ	24 X'01'		
DECTPCOD	28 (1C)		
DECTYPE	4 (4)		
DECTYPE1	4 (4)		
DECTYPE2	5 (5)		
DECTYPR	5 X'10'		
DECTYPRU	5 X'30'		
DECUCBDX	25 (19)		
DECUNDEF	29 X'40'		

DMDT

Common Name: Domain Descriptor Table
Macro ID: IRADMDT
DSECT Name: DMDT
Created by: IRARMIPS
Subpool and Key: 245 and key 0
Size: 20 bytes per domain
Pointed to by: RMCTDMDT field of the RMCT data area
               WMSTDMDT field of the WMST data area
Serialization: SRM lock
Function: Describes the constraints on and status of each
domain that is valid under the current installation
performance specification (IPS).

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
0	(0)	UNKNOWN	20	DMDT	
0	(0)	UNKNOWN	1	DMDTNO	DOMAIN NUMBER
1	(1)	UNKNOWN	1	DMDTLO	MIN MPL LEVEL
2	(2)	UNKNOWN	1	DMDTHI	MAX MPL LEVEL
3	(3)	UNKNOWN	1	DMDTWT	WEIGHTING FACTOR
4	(4)	UNKNOWN	2	DMDTHPLT	CURRENT MPL TARGET
6	(6)	UNKNOWN	2	DMDTRUA	AVE # OF READY USERS
8	(8)	UNKNOWN	2	DMDTGOOU	CURRENT # OF USERS GOING OUT
10	(A)	UNKNOWN	2	DMDTCMPL	CURRENT MPL
12	(C)	UNKNOWN	2	DMDTOUTU	CURRENT # USERS ON OUT Q
14	(E)	UNKNOWN	2	DMDTINCU	CURRENT # SWAPPABLE INCORE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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USERS

| 16 | (10) UNKNOWN | 4 | DMDTRUC | ACCUMULATOR FOR READY USER |

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AVERAGE

| 20 | (14) UNKNOWN | 0 | DMDTEND | END OF DMDT |

DQE

Common Name: Descriptor Queue Element
Macro ID: IHADQE
DSECT Name: DQESECT
Created by: IEAVGM00
Subpool and Key: 245 or 255 and key 0
Size: 16 bytes
Pointed to by: SPDQEPTR field of the SPQE data area
    DQEPTR field of the DQE data area (next DQE)
Serialization: SALLOC lock for the CSA/SQA space
    LOCAL lock for the private area
Function: Description of 4K of contiguous space held by subpool.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	DQESECT	DESCRIPTOR QUEUE ELEMENT
0	(0) A-ADDRESS	4	DQFQEPTR	PTR TO FIRST FREE AREA
4	(4) A-ADDRESS	4	DQEPTR	PTR TO NEXT DQE OR ZERO
8	(8) CHARACTER	1	DQEHRID	HIERARCHY IDENTIFIER
8	(8) A-ADDRESS	4	DQEBLKAD	ADDR FIRST 2K BLOCK DESCRIBED BY THIS DQE
12	(C) SIGNED	4	DQELNTH	LENGTH OF AREA DESCRIBED BY THIS DQE

DSAB

Common Name: Data Set Association Block
Macro ID: IHADSAB
DSECT Name: DSAB
Created by: IEFAB428, freed by module, IEFAB4FC
Subpool and Key: 236 or 237 and key 1
Size: 72 bytes
Pointed to by: DSABFCHN field of the DSAB data area (next
                DSAB)
               DSABBCHN field of the DSAB data area
               (previous DSAB)
               QDBFELMP field of the QDB data area (first
               DSAB)
               QDBLELMP field of the QDB data area (last
               DSAB)
Function: Contains information which serves as an interface
between allocation and other system components.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	UNKNOWN	72	DSAB	
0 (0)	UNKNOWN	4	DSABID	IN-CORE ID, CHARACTERS DSAB
4 (4)	UNKNOWN	4	DSABFCHN	NEXT DSAB PTR,0 IF LAST
8 (8)	UNKNOWN	4	DSABBCHN	PREVIOUS DSAB PTR,0 IF FIRST
12 (C)	UNKNOWN	2	DSABLNTH	LENGTH OF DSAB
14 (E)	UNKNOWN	2	DSABOPCT	OPEN DCB COUNT FOR DD ENTRY
16 (10)	UNKNOWN	4	DSABTIOT	TIOT DD ENTRY PTR
20 (14)	UNKNOWN	1	DSABRS01	RESERVED
21 (15)	UNKNOWN	3	DSABSSVA	SWA VIRTUAL ADDRESS OF SIOT
24 (18)	UNKNOWN	4	DSABGIDP	DEVICE GROUP-ID LIST PTR
28 (1C)	UNKNOWN	4	DSABANMP	ANAME OR GDG-ALL DSNAME PTR, 0 IF NONE
32 (20)	UNKNOWN	2	DSABORG	DATA SET ORGANIZATION
32 (20)	UNKNOWN	1	DSABORG1	FIRST DSORG BYTE
	1...		DSABIS	INDEXED SEQUENTIAL ORGANIZ.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.1..			DSABPS	PHYSICAL SEQUENTIAL ORGANIZ.
..1.			DSABDA	DIRECT ACCESS ORGANIZATION
...1			DSABCX	COMMUNICATIONS LINE GROUP
.... 1...			DSABCQ	DIRECT ACCESS MESSAGE QUEUE
.... .1..			DSABMQ	TELECOMMUNIC. MSG. QUEUE
.... ..1.			DSABPO	PARTITIONED ORGANIZATION
....1			DSABU	UNMOVEABLE
33 (21)	UNKNOWN	1	DSABORG2	SECOND DSORG BYTE
1...			DSABGS	GRAPHICS ORGANIZATION
.1..			DSABTX	TCAM LINE GROUP
..1.			DSABTQ	TCAM MESSAGE QUEUE
...1				RESERVED
.... 1...			DSABAM	VSAM
.... .1..			DSABTR	TCAM 3705
.... ..11				RESERVED
34 (22)	UNKNOWN	1	DSABFLG1	FLAGS-RESTORED BY RESTART
1...			DSABDALC	DYNAMICALLY ALLOCATED
.1..			DSABPALC	PERMANENTLY ALLOCATED ATTRIBUTE
..1.			DSABDCNV	DYNAMICALLY CONVERTED
...1			DSABCONV	CONVERTIBLE ATTRIBUTE
.... 1...			DSABDCAT	DYNAMICALLY CONCATENATED
.... .1..			DSABPCAT	PERMANENTLY CONCATENATED ATTRIBUTE
.... ..1.			DSABCATM	CONCATENATED GROUP MEMBER
....1			DSABNUSE	IN-USE ATTRIBUTE
35 (23)	UNKNOWN	1	DSABFLG2	FLAGS-RESTORED BY RESTART
1...			DSABOPEN	DATA SET HAS BEEN OPENED
.1..			DSABIRM	D.S. REVERSE MERGE FOR INPUT
..1.			DSABUNAL	UNALLOCATED WHEN CLOSED
...1 1111				

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
36 (24)	UNKNOWN	1	DSABFLG3	FLAG-NOT RESTORED BY RESTART
1...			DSABDEFR	DEFERRED MOUNTING

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.1..			DSABPASS	PASS/RETAIN IND
..1.			DSABVAM	VIO DATA SET
...1			DSABVMSC	VIO PAGING SPACE RELEASED
.... 1...			DSABCATL	DATA SET IS A CATALOG
.... .1..			DSABJSCT	JOBCAT OR STEPCAT DATA SET
.... ..11				RESERVED
37 (25)	UNKNOWN	1	DSABFLG4	FLAG-NOT RESTORED BY RESTART
1...			DSABCKDS	THIS IS A CHECKPT DATA SET
.1..			DSABCKVL	VOLUME CONTAINING CHECKPT DATA SET IS SECURE
..1.			DSABCKSI	SECURITY INTERFACE EXISTS FOR THE CHECKPT DATA SET
...1 1111				RESERVED
38 (26)	UNKNOWN	2	DSABRS02	RESERVED
40 (28)	UNKNOWN	4	DSABTCBP	TCB UNDER WHICH SET IN-USE
44 (2C)	UNKNOWN	4	DSABPTTR	RELATIVE TTR OF DATA SET PASSWORD
48 (30)	UNKNOWN	4	DSABSSNM	SUB-SYSTEM NAME
52 (34)	UNKNOWN	4	DSABSSCM	SUB-SYSTEM COMMUNICATION AREA POINTER
56 (38)	UNKNOWN	6	DSABDCBM	BIT MAP OF DCB FIELDS
62 (3E)	UNKNOWN	2	DSABRS03	RESERVED
64 (40)	UNKNOWN	4	DSABSIOT	IN-CORE ADDRESS OF SIOT
68 (44)	UNKNOWN	4	DSABRS04	RESERVED
0 (0)	UNKNOWN	1	DSABANMI	ALTERNATE DSNAME INFORMATION
0 (0)	UNKNOWN	1	DSABANML	LENGTH OF ALTERNATE DSNAME

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1	(1) UNKNOWN	0	DSABANAM	ALTERNATE DSNAME
0	(0) UNKNOWN	4	DSABGIDL	DEVICE GROUP-ID LIST
0	(0) UNKNOWN	4	DSABLLEN	DEVICE GROUP-ID LIST LENGTH
4	(4) UNKNOWN	0	DSABGRID	DEVICE GROUP-ID

DSCB1

Common Name: Format 1--Identifier Data Set Control Block
Macro ID: IECSDSL1
DSECT Name: None, begins at label, IECSDSL1
Created by: Not applicable
Subpool and Key: Not applicable
Size: 140 bytes
Pointed to by: The volume label and resides in the VTOC
The UCBVTOC field of the UCB data area
The DEBDSCBA field of the DEB data area
The JFCBDSCB field of the JFCB data area
Serialization: Space allocation preserves data in DSCB, ENQ
on SYSZTIOT, and DEBCHK's DEB table. Serialization is the
user's responsiblility. The DSCB is serialized by a
RESERVE on the device and an ENQ on the SYSVTOC or
volume-serial.
Function: Describes the characteristics and up to three
extents of a data set, on a direct access volume. For data
sets having indexed sequential (IS) organization,
additional characteristics are described in a format 3
(extension) DSCB pointed to by the format 1 DSCB (or format
2 when the data set has IS organization). A data set can
have a maximum of 16 extents on one volume.

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
0	(0)	CHARACTER	44	DS1DSNAM	DATA SET NAME
44	(2C)	CHARACTER	1	DS1FMTID	FORMAT IDENTIFIER
45	(2D)	CHARACTER	6	DS1DSSN	DATA SET SERIAL NUMBER
51	(33)	HEX	2	DS1VOLSQ	VOLUME SEQUENCE NUMBER
53	(35)	HEX	3	DS1CREDT	CREATION DATE
56	(38)	HEX	3	DS1EXPDT	EXPIRATION DATE
59	(3B)	HEX	1	DS1NOEPV	NUMBER OF EXTENTS ON VOLUME
60	(3C)	HEX	1	DS1NOBDB	NUMBER OF BYTES USED IN LAST DIRECTORY BLOCK
61	(3D)	HEX	1		RESERVED
62	(3E)	CHARACTER	13	DS1SYSCD	SYSTEM CODE
75	(4B)	HEX	3	DS1REFD	DATE LAST REFERENCED OR ZERO IF NOT MAINTAINED
78	(4E)	HEX	4		RESERVED
82	(52)	HEX	2	DS1DSORG	DATA SET ORGANIZATION
84	(54)	HEX	1	DS1RECFM	RECORD FORMAT
85	(55)	HEX	1	DS1OPTCD	OPTION CODE
86	(56)	HEX	2	DS1BLKL	BLOCK LENGTH
88	(58)	HEX	2	DS1LRECL	RECORD LENGTH

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
90	(5A) HEX		1	DSIKEYL	KEY LENGTH
91	(5B) HEX		2	DSIRKP	RELATIVE KEY POSITION
93	(5D) HEX		1	DS1DSIND	DATA SET INDICATORS
		1...		DS1IND80	X'80' LAST VOLUME ON WHICH A DATA�G60ASBJ SET RESIDES
		.1..		DS1IND40	X'40' DATA SET IS RACF DEFINED
		..1.		DS1IND20	X'20' BLOCK LENGTH IS A MULTIPLE OF 8 BYTES
		...1		DS1IND10	X'10' PASSWORD IS REQUIRED TO READ OR WRITE OR BOTH-SEE DS1IND04
		.... 1...		DS1IND08	X'08' RESERVED
		.... .1..		DS1IND04	X'04' IF DS1IND10 IS 1 THEN IF DS1IND04 IS 1-PASSWORD REQUIRED TO WRITE BUT NOT TO READ 0-PASSWORD REQUIRED TO WRITE AND TO READ
		.... ..1.		DS1IND02	X'02' DATASET OPENED FOR OTHER THAN INPUT SINCE LAST BACKUP COPY MADE.
		1		DS1IND01	X'01' RESERVED
94	(5E) HEX		4	DS1SCALO	SECONDARY ALLOCATION
98	(62) HEX		3	DS1LSTAR	LAST USED TRACK AND BLOCK ON TRACK
101	(65) HEX		2	DS1TRBAL	BYTES REMAINING ON LAST TRACK USED
103	(67) HEX		2		RESERVED
105	(69) HEX		10	DS1EXT1	FIRST EXTENT DESCRIPTION

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

===

FIRST BYTE   EXTENT TYPE INDICATOR
SECOND BYTE   EXTENT SEQUENCE NUMBER
THIRD - SIXTH BYTES   LOWER LIMIT
SEVENTH - TENTH BYTES   UPPER LIMIT

115	(73) HEX	10	DS1EXT2	SECOND EXTENT DESCRIPTION
125	(7D) HEX	10	DS1EXT3	THIRD EXTENT DESCRIPTION
135	(87) HEX	5	DS1PTRDS	POSSIBLE PTR TO A FORMAT 2 OR 3 DSCB

DSCB2

Common Name: Format 2--Index Data Set Control Block
Macro ID: IECSDSL1
DSECT Name: None, begins at label, IECSDSL2
Created by: Not applicable
Subpool and Key: Not applicable
Size: 140 bytes
Pointed to by: DS1PTRDS field of the DSCB1 data area (for indexed sequential data sets only)
Serialization: ENQ on VTOC and dataset name
RESERVE or RELEASE built and filled in by DADSM
DIRF bit in the VTOC
Function: Describes characteristics of a data set on a direct access volume having indexed sequential organization. Additional extents are described in a format 3 (extension) DSCB pointed to by the format 2 DSCB.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0) HEX		1		KEY IDENTIFIER
1 (1) HEX		7	DS22MIND	ADDRESS OF 2ND LEVEL MASTER INDEX
8 (8) HEX		5	DS2L2MEN	LAST 2ND LEVEL MASTER INDEX ENTRY
13 (D) HEX		7	DS23MIND	ADDRESS OF 3RD LEVEL MASTER INDEX
20 (14) HEX		5	DS2L3MIN	LAST 3RD LEVEL MASTER INDEX ENTRY
25 (19) HEX		11		RESERVED
36 (24) HEX		8	DS2LPDT	LAST PRIME TRACK ON LAST PRIME CYL
44 (2C) CHARACTER		1	DS2FMTID	FORMAT IDENTIFIER
45 (2D) HEX		1	DS2NOLEV	NUMBER OF INDEX LEVELS
46 (2E) HEX		1	DS2DVIND	HIGH LEVEL INDEX DEVELOPMENT INDICATOR
47 (2F) HEX		3	DS21RCYL	FIRST DATA RECORD IN CYLINDER
50 (32) HEX		2	DS2LTCYL	LAST DATA TRACK IN CYLINDER
52 (34) HEX		1	DS2CYLOV	NUMBER OF TRACKS FOR CYLINDER OVERFLOW

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
53	(35)	HEX	1	DS2HIRIN	HIGHEST 'R' ON HIGH-LEVEL INDEX TRK
54	(36)	HEX	1	DS2HIRPR	HIGHEST 'R' ON PRIME DATA TRACK
55	(37)	HEX	1	DS2HIROV	HIGHEST 'R' ON OVERFLOW DATA TRACK
56	(38)	HEX	1	DS2RSHTR	'R' OF LAST DATA RECORD ON SHARED TRACK
57	(39)	HEX	1	DS2HIRTI	HIGHEST 'R' ON UNSHARED TRACK OF TRACK INDEX
58	(3A)	HEX	1	DS2HIIOV	HIGHEST 'R' FOR INDEPENDENT OVERFLOW DATA TRACKS
59	(3B)	HEX	2	DS2TAGDT	TAG DELETION COUNT
61	(3D)	HEX	3	DS2RORG3	NON-FIRST OVERFLOW REFERENCE COUNT
64	(40)	HEX	2	DS2NOBYT	NUMBER OF BYTES FOR HIGHEST-LEVEL INDEX
66	(42)	HEX	1	DS2NOTRK	NUMBER OF TRACKS FOR HIGHEST-LEVEL INDEX
67	(43)	HEX	4	DS2PRCTR	PRIME RECORD COUNT
71	(47)	HEX	1	DS2STIND	STATUS INDICATORS
72	(48)	HEX	7	DS2CYLAD	ADDRESS OF CYLINDER INDEX
79	(4F)	HEX	7	DS2ADLIN	ADDRESS OF LOWEST LEVEL MASTER INDEX
86	(56)	HEX	7	DS2ADHIN	ADDRESS OF HIGHEST LEVEL MASTER INDEX
93	(5D)	HEX	8	DS2LPRAD	LAST PRIME DATA RECORD ADDRESS
101	(65)	HEX	5	DS2LTRAD	LAST TRACK INDEX ENTRY ADDRESS
106	(6A)	HEX	5	DS2LCYAD	LAST CYLINDER INDEX ENTRY ADDRESS
111	(6F)	HEX	5	DS2LMSAD	LAST MASTER INDEX ENTRY ADDRESS

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
116	(74)	HEX	8	DS2LOVAD	LAST INDEPENDENT OVERFLOW RECORD ADDRESS
124	(7C)	HEX	2	DS2BYOVL	BYTES REMAINING ON OVERFLOW TRACK
126	(7E)	HEX	2	DS2RORG2	TRACKS REMAINING IN INDEPENDENT OVERFLOW AREA
128	(80)	HEX	2	DS2OVRCT	OVERFLOW RECORD COUNT
130	(82)	HEX	2	DS2RORG1	CYLINDER OVERFLOW AREA COUNT
132	(84)	HEX	3	DS2NIRT	DUMMY TRACK INDEX ENTRY ADDRESS
135	(87)	HEX	5	DS2PTRDS	POSSIBLE POINTER TO A FORMAT 3 DSCB

DSCB3

Common Name: Format 3--Extension Data Set Control Block
Macro ID: IECSDSL1
DSECT Name: None, begins at IECSDSL1
Created by: Not applicable
Subpool and Key: Not applicable
Size: 140 bytes
Pointed to by: DS1PTRDS field of the DSCB1 data area
              DS2PTRDS field of the DSCB2 data area (for
               indexed sequential data sets)
Serialization: RESERVE on the device
              ENQ on SYSVTOC or volume serial number
              ENQ on SYSZTIOT
              Use of the DEB table
Function: Describes up to thirteen additional extents that
cannot be described in a format 1 DSCB, on a direct access
volume.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	HEX	4		KEY IDENTIFIER
4 (4)	HEX	40	DS3EXTNT	FOUR EXTENT DESCRIPTIONS

FIRST BYTE   EXTENT TYPE INDICATOR
SECOND BYTE   EXTENT SEQUENCE NUMBER
THIRD - SIXTH BYTES   LOWER LIMIT
SEVENTH - TENTH BYTES UPPER LIMIT

44 (2C)	CHARACTER	1	DS3FMTID	FORMAT IDENTIFIER
45 (2D)	HEX	90	DS3ADEXT	NINE ADDITIONAL EXTENT DESCRIPTIONS
135 (87)	HEX	5	DS3PTRDS	RESERVED

DSCB4

Common Name: Format 4--VTOC Data Set Control Block
Macro ID: IECSDSL1
DSECT Name: None, begins at label IECSDSL4
Created by: Not applicable
Subpool and Key: Not applicable
Size: 140 bytes
Pointed to by: DSCB4 is the first DSCB in the VTOC
            UCBVTOC field of the UCB data area
Serialization: RESERVE on device
            ENQ on SYSVTOC or the volume serial number
Function: Describes the volume table of contents (VTOC)
data set, on a direct access volume. It is always the
first DSCB in the VTOC.
Note: The following description of DSCB4 includes only the
data portion of the macro. The data is preceded by a
44-byte key containing x'0404...'. Accordingly, add 44
(X'2C') to the offsets below.

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
0	(0)	CHARACTER	1	DS4IDFMT	FORMAT IDENTIFIER
1	(1)	HEX	5	DS4HPCHR	HIGHEST ADDRESS OF A FORMAT 1 DSCB
6	(6)	HEX	2	DS4DSREC	NUMBER OF AVAILABLE DSCB'S
8	(8)	HEX	4	DS4HCCHH	CCHH OF NEXT AVAILABLE ALTERNATE TRK
12	(C)	HEX	2	DS4NOATK	NUMBER OF REMAINING ALTERNATE TRACKS
14	(E)	HEX	1	DS4VTOCI	VTOC INDICATORS
	1...			DS4DOSBT	X'80' DOS BIT
	...1			DS4DSTKP	X'10' DOS STACKED PACK
	.... 1...			DS4DOCVT	X'08' DOS CONVERTED VTOC
	.... .1..			DS4DIRF	X'04' DIRF BIT
	.... ..1.			DS4DICVT	X'02' DIRF RECLAIMED
15	(F)	HEX	1	DS4NOEXT	NUMBER OF EXTENTS IN THE VTOC
16	(10)	HEX	2		RESERVED
18	(12)	HEX	14	DS4DEVCT	DEVICE CONSTANTS
18	(12)	HEX	4	DS4DEVSZ	DEVICE SIZE
22	(16)	HEX	2	DS4DEVTK	DEVICE TRACK LENGTH
24	(18)	HEX	2	DS4DEVOV	KEYED RECORD OVERHEAD

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
24	(18)	HEX	1	DS4DEVI	NON-LAST KEYED RECORD OVERHEAD
25	(19)	HEX	1	DS4DEVL	LAST KEYED RECORD OVERHEAD
26	(1A)	HEX	1	DS4DEVK	NON-KEYED RECORD OVERHEAD DIFFERENTIAL
27	(1B)	HEX	1	DS4DEVFG	FLAG BYTE
28	(1C)	HEX	2	DS4DEVTL	DEVICE TOLERANCE
30	(1E)	HEX	1	DS4DEVDT	NUMBER OF DSCB'S PER TRACK
31	(1F)	HEX	1	DS4DEVDB	NUMBER OF DIRECTORY BLOCKS PER TRACK
32	(20)	HEX	8	DS4AMTIM	VSAM TIME STAMP
40	(28)	HEX	3	DS4AMCAT	VSAM CATALOG INDICATOR
40	(28)	HEX	1	DS4VSIND	VSAM INDICATORS
41	(29)	HEX	2	DS4VSCRA	RELATIVE TRACK LOCATION OF THE CRA
43	(2B)	HEX	8	DS4R2TIM	VSAM VOLUME/CATALOG MATCH TIME STAMP
51	(33)	HEX	5		RESERVED
56	(38)	HEX	5	DS4F6PTR	POINTER TO FIRST FORMAT 6 DSCB
61	(3D)	HEX	10	DS4VTOCE	VTOC EXTENT DESCRIPTION
71	(47)	HEX	25		RESERVED

DSCB5

Common Name: Format 5--Available Space Data Set Control
Block
Macro ID: IECSDSL1
DSECT Name: None, begins at label, IECSDSL5
Created by: Not applicable
Subpool and Key: Not applicable
Size: 140 bytes
Pointed to by: DSCB5 follows the DSCB4 in the VTOC
                DS5PTRDS field of the DSCB5 data area
Serialization: RESERVE on unit
                ENQ on SYSVTOC or volume serial number
Function: Describes the amount of available space that can
be allocated to a data set on a direct access volume. Up
to 26 available extents can be recorded in one format 5
DSCB. Additional extents are described in other format 5
DSCBs. The first format 5 DSCB follows the VTOC (format 4)
DSCB.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) HEX	4	DS5KEYID	KEY IDENTIFIER
4	(4) HEX	5	DS5AVEXT	AVAILABLE EXTENT

===

BYTES 1 - 2   RELATIVE TRACK ADDRESS OF THE FIRST TRACK
  IN THE EXTENT
BYTES 3 - 4   NUMBER OF UNUSED CYLINDERS IN THE EXTENT
BYTE 5   NUMBER OF ADDITIONAL UNUSED TRACKS

9	(9) HEX	35	DS5EXTAV	SEVEN AVAILABLE EXTENTS
44	(2C) CHARACTER	1	DS5FMTID	FORMAT IDENTIFIER
45	(2D) HEX	90	DS5MAVET	EIGHTEEN AVAILABLE EXTENTS
135	(87) HEX	5	DS5PTRDS	POINTER TO NEXT FORMAT 5 DSCB

DSCB6

Common Name: Format 6 DSCB
Macro ID: IECSDSL1
DSECT Name: None, begins at label, IECSDSL6
Created by: Not applicable
Subpool and Key: Not applicable
Size: 140 bytes
Pointed to by: DS4F6PTR field of the DSCB4 data area
Serialization: RESERVE on unit
       ENQ on SYSVTOC or volume serial number
Function: Used for shared cylinder allocation on a direct
access volume. It describes the extent of space (one or
more contiguous cylinder) that are being shared by two or
more data sets. Up to 26 extents can be described by one
format 6 DSCB. Additional extents are described in other
format 6 DSCBs.

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
0	(0)	HEX	4	DS6KEYID	KEY IDENTIFIER
4	(4)	HEX	5	DS6AVEXT	SHARED EXTENT DESCRIPTION

BYTES 1 - 2   RELATIVE TRACK ADDRESS OF THE FIRST CYLINDER
BYTES 3 - 4   NUMBER OF FULL CYLINDERS BEING SHARED
BYTE 5   NUMBER OF DATA SETS SHARING THE EXTENT

9	(9)	HEX	35	DS6EXTAV	SEVEN SHARED EXTENTS
44	(2C)	CHARACTER	1	DS6FMTID	FORMAT IDENTIFIER
45	(2D)	HEX	90	DS6MAVET	EIGHTEEN SHARED EXTENTS
135	(87)	HEX	5	DS6PTRDS	POINTER TO NEXT FORMAT 6 DSCB

Common Name: IOS Device Characteristics Table
Macro ID: IHADVCT
DSECT Name: DVCT
Created by: SYSGEN
Subpool and Key: NUCLEUS and key 0
Size: Depends on direct access devices sysgened
Pointed to by: CVTZDTAB field of the CVT data area
Serialization: None, read-only.
Function: Describes characteristics (track, size, etc.)
of each type of direct access device attached.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	DVCTI	, INDEX TO DVCT
	 1111		DVCTYPMK	X'0000000F' TYPICAL USAGE:
0	(0) A-ADDRESS	1	DVCTIOFF	OFFSET TO DVCT ENTRY

| 0 | (0) STRUCTURE | 0 | DVCT | , FORMAT OF DVCT ENTRY |

THE ENTRY IS LOCATED BY ADDING DVCTIOFF TO CVTZDTAB

0	(0) SIGNED	2	DVCCYL	PHYS NO. CYL PER VOLUME
2	(2) SIGNED	2	DVCTRK	NO. TRACKS PER CYLINDER
4	(4) SIGNED	2	DVCTRKLN	NO. OF BYTES PER TRACK
6	(6) SIGNED	2	DVCOVHD	BLOCK OVERHEAD IF DVC2BOV=1

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

==

USE FOLLOWING TWO CONSTANTS IF DVC2BOV=0

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
6	(6) HEX	1	DVCOVNLB	OVERHEAD NOT LAST BLOCK
7	(7) HEX	1	DVCOVLB	OVERHEAD LAST BLOCK

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
8	(8) HEX	1	DVCOVNK	OVERHEAD DECREMENT NOT KEYED
9	(9) BITSTRING	1	DVCFLAGS	
	.... 1...		DVC2BOV	X'08' IF 1, USE DVCOVHD IF 0, USE DVCOVNLB,DVCOVLB
	1		DVCFTOL	X'01' IF 1, APPLY TOLERANCE FACTOR
10	(A) SIGNED	2	DVCTOL	TOLERANCE FACTOR

==

APPLY TOLERANCE FACTOR AS FOLLOWS:
1. ADD BLOCKSIZE AND KEYLENGTH
2. MULTIPLY BY DVCTOL
3. SHIFT RIGHT DVCTSHFT BITS
4. ADD APPROPRIATE OVERHEADS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... 1..1		DVCTSHFT	9 SHIFT AMT TO DIVIDE BY 512

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
12	(C) SIGNED	2	DVCALT	NUMBER ALTERNATE TRKS/VOLUME

==

THE FOLLOWING SECTION OF THE TABLE IS PRESENT
ONLY FOR RPS DEVICES--TEST UCBTBYT2 FOR UCB2OPT3

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
14	(E) CHARACTER	4	DVCRPS	RPS SECTION
14	(E) SIGNED	2	DVCOVRO	OVERHEAD BYTES FOR RECORD 0

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
16	(10) HEX	1	DVCSECT	NUMBER SECTORS IN FULL TRACK
17	(11) HEX	1	DVCSECTD	NUMBER DATA SECTORS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

==

END OF DVCT

ECB

Common Name: Event Control Block
Macro ID: IHAECB
DSECT Name: ECB
Created by: User
Subpool and Key: User subpool and key
Size: 4 bytes
Pointed to by: Resides in the user's area
ASCBQECB field of the ASCB data area
(QUIESCE ECB)
CHEBP field of the CSCB data area
(STOP/MODIFY ECB)
EVNTEHTP field of the EVNT data area
(completed ECB)
IODECBPT field of the IOB data area
(associated ECB)
QELECB field of the QEL data area
(associated ECB)
SSALCNCL field of the SSOB (allocation) data
area (CANCEL ECB)
SSRRSECB field of the SSOB (req/ret) data
area (STOP ECB)
TCASXECB field of the TCAST data area
(emergency RELEASE ECB)
TCASHECB field of the TCAST data area
(STOP/MODIFY ECB)
TCASTECB field of the TCAST data area
(terminate TSO ECB)
TCBECB field of the TCB data area
(associated ECB)
TSBXECB field of the TSBX data area
(cross-memory reconnect ECB)
TVCSECB field of the TVCS data area
(cross-memory POST ECB)
TVHAECB field of the TVHA data area
(terminal control ECB)
TVHAATECB field of the TVHA data area (timer
ECB)
TVHAECB1 field of the TVHA data area (CANCEL
ECB)
TVHAECB2 field of the TVHA data area
(reconnect ECB)
TVHAECB3 field of the TVHA data area (timer
ECB)
TWAMECB field of the TWAR data area (main
task ECB)
TWAVECB field of the TWAR data area (VTAM
interface ECB)
TWAUECB field of the TWAR data area (user
interface ECB)
TWACECB field of the TWAR data area (console
console communications ECB)
Serialization: LOCAL lock, CS (compare and swap)
instruction
Function: The ECB is the subject of WAIT, POST, and EVENTS
macro instructions. It is used for communications among
various components of the control programs as well as
between problem programs and the control programs.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	ECB	

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) SIGNED	4	ECBRB	REQUEST BLOCK ADDRESS (WHILE AWAITING COMPLETION OF AN EVENT)
0	(0) A-ADDRESS	4	ECBEVTB	ADDRESS OF EVENT TABLE
0	(0) A-ADDRESS	4	ECBEXTB	ADDRESS OF ECB EXTENSION (OS/VS2)
0	(0) CHARACTER	1	ECBCC	COMPLETION CODE BYTE
	1...		ECBWAIT	X'80' WAITING FOR COMPLETION OF THE EVENT
	.1..		ECBPOST	X'40' THE EVENT HAS COMPLETED
	.111 1111		ECBNORM	X'7F' CHANNEL PROGRAM HAS TERMINATED WITHOUT ERROR. (CSW CONTENTS USEFUL.) FOR TCAM, WORK UNIT IN WORK AREA.
	.1.. ...1		ECBPERR	X'41' CHANNEL PROGRAM HAS TERMINATED WITH PERMANENT ERROR. (CSW STATUS BYTES USEFUL. CCW ADDRESS MAY BE USEFUL OR ZEROS.) FOR BTAM, CHANNEL PROGRAM HAS COMPLETED WITH AN I/O ERROR.
	.1.. ..1.		ECBDAEA	X'42' CHANNEL PROGRAM HAS TERMINATED BECAUSE A DIRECT ACCESS EXTENT ADDRESS HAS BEEN VIOLATED. (CSW CONTENTS DO NOT APPLY.) (ACCESS METHODS EXCEPT BTAM AND TCAM)
	.1.. ..11		ECBABEND	X'43' I/O ABEND CONDITION OCCURRED FOR ERROR TRANSIENT LOADING TASK.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				(CSW CONTENTS DO NOT APPLY.) (ACCESS METHODS EXCEPT BTAM AND TCAM)
.1.. .1..			ECBINCPT	X'44' CHANNEL PROGRAM HAS BEEN INTERCEPTED BECAUSE OF PERMANENT ERROR ASSOCIATED WITH DEVICE END FOR PREVIOUS REQUEST. YOU MAY REISSUE THE INTERCEPTED REQUEST. (CSW CONTENTS DO NOT APPLY.) (ACCESS METHODS EXCEPT BTAM AND TCAM)
.1.. 1...			ECBREPRG	X'48' REQUEST ELEMENT FOR CHANNEL PROGRAM HAS BEEN MADE AVAILABLE AFTER IT HAS BEEN PURGED. (CSW CONTENTS DO NOT APPLY.) (ACCESS METHODS OTHER THAN BTAM)
.1.. 1...			ECBEHALT	X'48' ENABLE COMMAND HALTED, OR I/O OPERATION PURGED. (BTAM)
.1.. 1.11			ECBERPAB	X'4B' ONE OF THE FOLLOWING ERRORS OCCURRED DURING TAPE ERROR RECOVERY PROCESSING (1) THE CSW COMMAND ADDRESS IN THE IOB WAS ZEROS OR (2) AN UNEXPECTED LOAD POINT WAS ENCOUNTERED. (CSW CONTENTS DO NOT APPLY.) (ACCESS METHODS EXCEPT BTAM AND TCAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.1.. 1111			ECBERPER	X'4F' ERROR RECOVERY ROUTINES HAVE BEEN ENTERED BECAUSE OF DIRECT ACCESS ERROR BUT ARE UNABLE TO READ HOME ADDRESS OR RECORD 0. (CSW CONTENTS DO NOT APPLY.) (ACCESS METHODS EXCEPT BTAM AND TCAM)
.111			ECBSETEO	X'70' THE SETEOF MACRO WAS ISSUED IN THE MESSAGE COMMAND PROGRAM (NO WORK UNIT IN WORK AREA) (TCAM)
.1.1 11..			ECBDMQDS	X'5C' CONGESTED DESTINATION MESSAGE QUEUE DATA SET (WRITE ONLY) (TCAM)
.1.1 1...			ECBSEQER	X'58' SEQUENCE ERROR (TCAM)
.1.1 .1..			ECBINVMD	X'54' INVALID MESSAGE DESTINATION (TCAM)
.1.1 ..1.			ECBWKOVR	X'52' WORK AREA OVERFLOW (TCAM)
.1.1			ECBNOMSG	X'50' MESSAGE WAS NOT FOUND WHEN READ MACRO WAS ISSUED IN CONJUNCTION WITH POINT MACRO TO RETRIEVE A MESSAGE (TCAM)
.1..			ECBDTRAQ	X'40' DATA IS ON READ-AHEAD QUEUE (TCAM)
.... ..1.			ECBEOQ	X'02' END-OF-QUEUE CONDITION (NOT END-OF-FILE) (TCAM)
....1			ECBRAQMT	X'01' READ-AHEAD QUEUE EMPTY, BUT DESTINATION QUEUE NOT

ECB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				EMPTY (TCAM)
1	(1) A-ADDRESS	3	ECBRBA	REQUEST BLOCK ADDRESS (WHILE AWAITING COMPLETION OF AN EVENT)
1	(1) A-ADDRESS	3	ECBEVTBA	ADDRESS OF EVENT TABLE
1	(1) A-ADDRESS	3	ECBEXTBA	ADDRESS OF ECB EXTENSION (OS/VS2)
1	(1) CHARACTER	3	ECBCCCNT	ZEROES OR REMAINDER OF COMPLETION CODE (AFTER COMPLETION OF THE EVENT)
1	(1) CHARACTER	2		FIRST TWO BYTES OF ECBEVTBA
3	(3) BITSTRING	1	ECBBYTE3	THIRD BYTE OF ECBEVTBA
	11		ECBEXTND	X'03' ECB EXTENSION EXISTS (OS/VS2)
	1		ECBEVNT	X'01' EXTENDED FORMAT ECB

ECT

Common Name: TSO Environment Control Table
Macro ID: IKJECT
DSECT Name: ECT
Created by: IKJEFT01
Subpool and Key: Subpool 1 and key 8
Size: 40 bytes
Pointed to by: TPL, CPPL
Function: Communication medium for TMP, command processors
and service routines, containing current command/subcommand
name, return code, pointers to work areas and message
chain, and processing control flags.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	ECT	
0	(0) HEX	1	ECTRCDF	HIGH ORDER BIT INDICATES CP ABENDED
1	(1) CHARACTER	3	ECTRTCD	RETURN CODE FROM LAST CP (ABEND CODE IF ECTRCDF IS SET)
4	(4) A-ADDRESS	4	ECTIOWA	ADDR OF I/O SERVICE ROUTINES WORK AREA
8	(8) HEX	1	ECTMSGF	HIGH ORDER BIT SET MEANS DELETE SECOND LEVEL MESSAGE
9	(9) A-ADDRESS	3	ECTSMSG	ADDR OF SECOND LEVEL MSG CHAIN
12	(C) CHARACTER	8	ECTPCMD	PRIMARY COMMAND NAME
20	(14) CHARACTER	8	ECTSCMD	SUBCOMMAND NAME
28	(1C) HEX	1	ECTSWS	1 BYTE OF SWITCHES
	1...		ECTNOPD	X'80' 0 BIT ON= NO OPERANDS EXIST IN CMD BUFFER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
EQU X'40' RESERVED				
..1.			ECTATRM	X'20' CP TERMINATED BY TMP DETACH W/ STAE
...1			ECTLOGF	X'10' LOGON/OFF REQUESTED TMP TO LOGOFF USER
.... 1...			ECTNMAL	X'08' NO USER MSGS TO RECVED AT LOGON
.... .1..			ECTNNOT	X'04' NO BRDCST NOTICES TO BE RECVED AT LOGON
.... ..1.			ECTBKGRD	X'02' BACKGROUND MODE
....1			ECTATTN	X'01' ATTENTION MODE FOR CLIST Z3CNQKM
29 (1D)	A-ADDRESS	3	ECTDDNUM	COUNTER FOR GENERATING TEMP DDNAMES
32 (20)	A-ADDRESS	4	ECTUSER	WORD RESERVED FOR INSTALLATION USE
36 (24)	A-ADDRESS	4	ECTBKPB	ADDR OF BACKGROUND PARAMETER BLOCK
40 (28)	HEX	1	ECTSWS2	EXTENDED FLAG FIELD
1...			ECTDEFCS	X'80' DEFAULT DELETE CHARACTERS USED
.1..			ECTTABND	X'40' TEST SUBTASK ABENDED

EED

Common Name: Extended Error Descriptor Block
Macro ID: IHARTIW
DSECT Name: EED
Created by: IEAVNIPO or IEEVCPU
Subpool and Key: 245 and key 0
Size: 92 bytes
Pointed to by: RT1WEED field of the RT1W data area
                TCBRTM12 field of the TCB data area
                EEDFWRDP field of the EED data area
Serialization: None
Function: Used to pass information between RTM1 and RTM2, or
recursively from RTM1 to RTM1. There are four types of EEDs
identified by the EEDID field:
1. Registers and PSW
2. Dump options
3. Hardware repair status
4. Error ID

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	UNKNOWN	92	EED	EXTENDED ERROR DESCRIPTOR
0 (0)	UNKNOWN	4	EEDFWRDP	POINTER TO NEXT EED ON CHAIN OR ZERO
4 (4)	UNKNOWN	4	EEDDES	DESCRIPTION OF EED CONTENTS
4 (4)	UNKNOWN	1	EEDID	TYPE OF INFORMATION IN EED
5 (5)	UNKNOWN	1	EEDFLAGS	FLAGS DESCRIBING INFORMATION IN EEDS
	1...		EEDERFL	ON MEANS ERRORID IN EED MAY BE IN THE DUMPS OPTIONS EED, THE HARDWARE REPAIR EED, OR MAY RESIDE BY ITSELF IN AN EED
	.1..		EEDNODMP	USED TO COMMUNICATE DUMP SUPPRESSION BY SLIP FROM RTM1 TO RTM2
	..11 1111			RESERVED
6 (6)	UNKNOWN	2		RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
8	(8) UNKNOWN	4	EEDERROR	DESCRIPTION OF THE ERROR WHICH NECESSITATETED EEDS
8	(8) UNKNOWN	1	EEDMODE	SYSTEM MODE AT TIME OF ERR
9	(9) UNKNOWN	1	EEDERTYP	ENTRY PT USED BY RTM1
10	(A) UNKNOWN	2	EEDASID	ASID OF ORIGINATING MEMORY IN CROSS MEMORY ABENDS
12	(C) UNKNOWN	80	EEDVARBL	VARIABLE PART OF EED, MAPPED SEPERATELY BELOW

CONSTANTS USED WITH THE EEDID AND TCBRTM12 FIELDS
CONSTANT USED TO DEFINE SIZE OF STANDARD EED AREA
REGSPTYP EED--REGISTERS AND PSW AT THE TIME OF ERROR

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
12	(C) UNKNOWN	80	EEDREGSP	REGISTERS AND PSW AT ERROR TIME
12	(C) UNKNOWN	64	EEDREGS	REGISTERS AT TIME OF ERROR
12	(C) UNKNOWN	4	EEDREG0	REGISTER 0 SLOT
16	(10) UNKNOWN	4	EEDREG1	REGISTER 1 SLOT
20	(14) UNKNOWN	4	EEDREG2	REGISTER 2 SLOT
24	(18) UNKNOWN	4	EEDREG3	REGISTER 3 SLOT
28	(1C) UNKNOWN	4	EEDREG4	REGISTER 4 SLOT
32	(20) UNKNOWN	4	EEDREG5	REGISTER 5 SLOT
36	(24) UNKNOWN	4	EEDREG6	REGISTER 6 SLOT
40	(28) UNKNOWN	4	EEDREG7	REGISTER 7 SLOT
44	(2C) UNKNOWN	4	EEDREG8	REGISTER 8 SLOT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
48 (30)	UNKNOWN	4	EEDREG9	REGISTER 9 SLOT
52 (34)	UNKNOWN	4	EEDREG10	REGISTER 10 SLOT
56 (38)	UNKNOWN	4	EEDREG11	REGISTER 11 SLOT
60 (3C)	UNKNOWN	4	EEDREG12	REGISTER 12 SLOT
64 (40)	UNKNOWN	4	EEDREG13	REGISTER 13 SLOT
68 (44)	UNKNOWN	4	EEDREG14	REGISTER 14 SLOT
72 (48)	UNKNOWN	4	EEDREG15	REGISTER 15 SLOT
76 (4C)	UNKNOWN	16	EEDPSW	EC MODE PSW + ILC INT CODE AND TRANSLATION ADDRESS
76 (4C)	UNKNOWN	8	EEDPSW1	FIRST HALF OF PSW
76 (4C)	UNKNOWN	4	EEDPSWMK	SYTEM AND PROG MASK
80 (50)	UNKNOWN	4	EEDPSWIC	INSTRUCTION COUNTER
84 (54)	UNKNOWN	8	EEDPSW2	SECND HALF OF PSW
84 (54)	UNKNOWN	4	EEDINILC	INTERP CODE AND ILC
84 (54)	UNKNOWN	1		ALWAYS SET TO ZERO
85 (55)	UNKNOWN	1	EEDILC	INSTRUCTION LEN COUNTER THE NUMBER OF BYTES TO SUBTRACT FROM THE IC TO GET LAST INSTRUCTION EXECUTED
86 (56)	UNKNOWN	2	EEDINTCD	INTERRUPT CODE
88 (58)	UNKNOWN	4	EEDTRANS	TRANSLATION EXCEPTION ADDR

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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DUMPOTYP EED--DUMP OPTIONS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
12	(C) UNKNOWN	44	EEDDUMPO	DUMP OPTIONS LEN OF THIS AREA IS DEPENDENT ON THE FORMAT OF THE SNAP PARM LIST AND THE RTCA STARTING AT LABEL SDWADUMP
12	(C) UNKNOWN	8	EEDSCDMP	DUMP PARAMETERS COMMON TO THE SNAP AND SDWA MAPPINGS
12	(C) UNKNOWN	4	EEDSDUMP	DUMP CHARACTERISTICS
16	(10) UNKNOWN	4	EEDSDDAT	SDATA/PDATA OPTIONS
16	(10) UNKNOWN	2	EEDSSDAT	DUMP SYSTEM DATA
18	(12) UNKNOWN	2	EEDSPDAT	DUMP PROB PROG DATA
20	(14) UNKNOWN	32	EEDSDPSL	DUMP STORAGE LISTS(MAX 4 RANGES AVAILABLE)

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HWREPTYP EED--HARDWARE REPAIR STATUS EED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
12	(C) UNKNOWN	28	EEDHWREP	HARDWARE REPAIR STATUS INFORMATION
12	(C) UNKNOWN	4	EEDHSCKB	STARTING VRT ADR OF STOR CK
16	(10) UNKNOWN	4	EEDHSCKE	ENDING VIRT ADDR OF STOR CK
20	(14) UNKNOWN	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

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	...1		EEDINVP	STORAGE RECONFIGURED PAGE INVALIDATED
	.... 1...		EEDRSRC	STORAGE RECONFIGURATION STATUS IS AVAILABLE
	.... .1..		EEDHRSRF	STORAGE RECONFIGURATION NOT NOT ATTEMPTED
	.... ..1.			RESERVED
	1			RESERVED
21 (15)	UNKNOWN	1	EEDHMCHD	RTM1 MACHINE CHECK DATA
	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
22 (16)	UNKNOWN	2	EEDHCPID	CPU ADDR OF DEAD CPU ACR

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
24* (18)	UNKNOWN	2	EEDHRSRS	STORAGE RECONFIG STATUS BYTES

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
24 (18)	UNKNOWN	1	EEDHRSR1	STORAGE RECONFIG STATUS 1
	1111 11..			RESERVED
	.... ..1.		EEDHMSER	STOR ERR ALREDY SET IN FRAME
	1		EEDHCHNG	FRAME HAD CHANG INDICATOR ON
25 (19)	UNKNOWN	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

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
...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 OR IF EEDHINTC IS ON IS SCHED V=R
26 (1A) UNKNOWN		2		RESERVED
28 (1C) UNKNOWN		4	EEDHRFSA	REAL FAILING STORAGE ADDR
32 (20) UNKNOWN		8	EEDHTIME	TIMESTAMP OF MCH RECORD

ERRIDTYP EED--ERROR ID EED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
12 (C) UNKNOWN		80	EEDERMAP	ERRORID INFORMATION
12 (C) UNKNOWN		70		MAPPED BY EEDH；REP OR BY EEDDUMPO OR RESERVED
82 (52) UNKNOWN		10	EEDERRID	ERRORID
82 (52) UNKNOWN		2	EEDESEQ#	SEQUENCE NUMBER
84 (54) UNKNOWN		2	EEDECPUI	CPU ID
86 (56) UNKNOWN		2	EEDEASID	ASID
88 (58) UNKNOWN		4	EEDETIME	TIME STAMP

CROSS REFERENCE

EED	0	(0)	EEDREG10	52	(34)
EEDASID	10	(A)	EEDREG11	56	(38)
EEDDES	4	(4)	EEDREG12	60	(3C)
EEDDUMPO	12	(C)	EEDREG13	64	(40)
EEDEASID	86	(56)	EEDREG14	68	(44)
EEDECPUI	84	(54)	EEDREG15	72	(48)
EEDERFL	5	X'80'	EEDREG2	20	(14)
EEDERMAP	12	(C)	EEDREG3	24	(18)
EEDERRID	82	(52)	EEDREG4	28	(1C)
EEDERROR	8	(8)	EEDREG5	32	(20)
EEDERTYP	9	(9)	EEDREG6	36	(24)
EEDESEQ#	82	(52)	EEDREG7	40	(28)
EEDETIME	88	(58)	EEDREG8	44	(2C)
EEDFLAGS	5	(5)	EEDREG9	48	(30)
EEDFWDP	0	(0)	EEDPSRC	20	X'08'
EEDHACR	21	X'03'	EEDSCDMP	12	(C)
EEDHCHNG	24	X'01'	EEDSDDAT	16	(10)
EEDHCFID	22	(16)	EEDSDDAT	20	(14)
EEDHFLSQ	25	X'04'	EEDSDUMP	12	(C)
EEDHFSQA	25	X'03'	EEDSPDAT	18	(12)
EEDHINSF	21	X'04'	EEDSSDAT	16	(10)
EEDHINIC	25	X'40'	EEDTRANS	88	(58)
EEDHMCHD	21	(15)	EEDVARBL	12	(C)
EEDHMCHS	20	(14)			
EEDHMSER	24	X'02'			
EEDHNUCL	25	X'10'			
EEDHOFLN	25	X'80'			
EEDHPGFX	25	X'02'			
EEDHPSWU	21	X'20'			
EEDHRCDF	20	X'40'			
EEDHREGU	21	X'40'			
EEDHRFSA	28	(1C)			
EEDHRSRF	20	X'04'			
EEDHRSRS	24	(18)			
EEDHRSR1	24	(18)			
EEDHRSR2	25	(19)			
EEDHSCK	21	X'10'			
EEDHSCKB	12	(C)			
EEDHSCKE	16	(10)			
EEDHSKYF	21	X'80'			
EEDHSOFT	21	X'02'			
EEDHSPER	25	X'20'			
EEDHSRVL	20	X'80'			
EEDHTERR	21	X'01'			
EEDHTIME	32	(20)			
EEDHTSVL	20	X'20'			
EEDHVERQ	25	X'01'			
EEDHWREP	12	(C)			
EEDID	4	(4)			
EEDILC	85	(55)			
EEDINILC	84	(54)			
EEDINTCD	86	(56)			
EEDINVP	20	X'10'			
EEDMODE	8	(8)			
EEDNODMP	5	X'40'			
EEDPSW	76	(4C)			
EEDPSWIC	80	(50)			
EEDPSWMK	76	(4C)			
EEDPSW1	76	(4C)			
EEDPSW2	84	(54)			
EEDREGS	12	(C)			
EEDREGSP	12	(C)			
EEDREG0	12	(C)			
EEDREG1	16	(10)			

ERAL

Common Name: External Parameter Area, SWA Manager Locate
Mode
Macro ID: IEFZB505
DSECT Name: ZB505
Created by: Routines that invoke the SWA manager
Subpool and Key: Any subpool and key
Size: 16 bytes
Pointed to by: The caller's parameter list
Serialization: None
Function: Contains the virtual address of the SWA storage
in which a SWA control block resides.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	ZB505	
0	(0) SIGNED	4	SWBLKPTR	POINTER TO BLOCK
4	(4) SIGNED	4	SWVAFW	4 BYTE SWA VIRTUAL ADDRESS
4	(4) CHARACTER	3	SWVA	3 BYTE SWA VIRTUAL ADDRESS
7	(7) CHARACTER	1	SWBLKID	BLOCK ID OR ZERO
8	(8) SIGNED	4	SWLNGTH	LENGTH OF SWA BLOCK (NOT INCLUDING SWA PREFIX)
12	(C) SIGNED	4	SWCHNPTR	CHAIN POINTER OR ZERO

EPAT

Common Name: SRM Algorithm Entry Point Descriptor Table
Macro ID: IRAEPAT
DSECT Name: EPAT
Created by: Assembled into nucleus module, IRARMCNS
Subpool and Key: NUCLEUS and key 0
Size: 400 bytes
Pointed to by: RMCTEPAT field of the RMCT data area
Serialization: SRM lock
Function: The EPAT contains the entry point descriptors of
all individually requested or individually scheduled SRM
algorithms (routines whose scope of applicability is
system-wide). The IRACTLCL macro keys off the EPAT
displacements to generate the calling sequence whereby
algorithms are requested. The contents of each entry in
the table are mapped by macro IRARMEP.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) UNKNOWN	400	EPAT	
0	(0) UNKNOWN	32	RMEPBCAP	CTL PRT ANLZ RTNE
32	(20) UNKNOWN	32	RMEPBRM1	RES MONITORING RTNE
64	(40) UNKNOWN	32	RMEPBRM2	RM ADJUSTMENT RTNE
96	(60) UNKNOWN	16	RMEPBSQA	SQA MSG PRNT RTNE
112	(70) UNKNOWN	32	RMEPBMS6	MSO WAIT CHK RTNE
144	(90) UNKNOWN	16	RMEPBPR5	PRA FORC STL RTNE
160	(A0) UNKNOWN	16	RMEPBMS2	MSO ANALYSIS RTNE
176	(B0) UNKNOWN	32	RMEPBASM	ASM SHRT MON RTNE
208	(D0) UNKNOWN	32	RMEPBIL1	IOL UTIL MON RTNE
240	(F0) UNKNOWN	32	RMEPBWM2	WLM ANALYSIS RTNE
272	(110) UNKNOWN	32	RMEPBCL1	CPU UTIL MON RTNE
304	(130) UNKNOWN	32	RMEPBAP1	APG ANALYSIS RTNE
336	(150) UNKNOWN	32	RMEPBEQ1	ENQ STAT MON RTNE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
368 (170)	UNKNOWN	32	RMEPBPR1	PRA ANALYSIS RTNE
400 (190)	UNKNOWN	0	EPATEND	END OF EPAT TABLE

EPDT

Common Name: SRM Deferred Action Entry Point Descriptor
Table
Macro ID: IRAEPDT
DSECT Name: EPDT
Created by: Assembled into nucleus module, IRARMCNS
Subpool and Key: NUCLEUS and key 0
Size: 96 bytes
Pointed to by: RMCTEPDT field of the RMCT data area
Serialization: SRM lock
Function: The EPDT contains the entry point descriptors of
all SRM event-initiated action routines (routines which
perform processing for a given user) which require
serialization with other SRM processing. The IRACTLCL
macro keys off the EPDT displacements to generate the
calling sequences for deferrable actions. The contents
of each entry are mapped by the IRARMEP macro.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) UNKNOWN	96	EPDT	
0	(0) UNKNOWN	16	RMEPBIPS	IPS DELETE NOTIFY RTNE
16	(10) UNKNOWN	16	RMEPBDEL	OUCB DELETE ROUTINE
32	(20) UNKNOWN	16	RMEPBIL4	IMCB DELETE ROUTINE
48	(30) UNKNOWN	16	RMEPBUXB	OUXB DELETE ROUTINE
64	(40) UNKNOWN	16	RMEPBHIT	USER PROCES RTNE
80	(50) UNKNOWN	16	RMEPBRPS	USER STATE CHANGE RTNE
96	(60) UNKNOWN	0	EPDTEND	END OF EPDT TABLE

EPST

Common Name: SRM Scanned Action Entry Point Descriptor Table
Macro ID: IRAEPST
DSECT Name: EPST
Created by: Assembled into nucleus module, IRARMCNS
Subpool and Key: NUCLEUS and key 0
Size: 80 bytes
Pointed to by: Located at X'5E8' from beginning of RMCT
data area
Serialization: SRM lock
Function: The EPST contains the entry point descriptors of
all SRM routines to which control may be routed by control
algorithm analysis processing. Requests for such routines
are generated internally by the control algorithm.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) UNKNOWN	80	EPST	
0	(0) UNKNOWN	16	RMEPBWM3	USER WORKLOD EVAL RTNE
0	(0) UNKNOWN	4	EPSTWM3	ROUTINE ADDRESS
16	(10) UNKNOWN	16	RMEPBIL3	USER I/O LOD EVAL RTNE
16	(10) UNKNOWN	4	EPSTIL3	ROUTINE ADDRESS
32	(20) UNKNOWN	16	RMEPBCL3	USER CPU LOD EVAL RTNE
32	(20) UNKNOWN	4	EPSTCL3	ROUTINE ADDRESS
48	(30) UNKNOWN	16	RMEPBCSO	USER SWAPOUT REQST RTN
48	(30) UNKNOWN	4	EPSTCSO	ROUTINE ADDRESS
64	(40) UNKNOWN	16	RMEPBCSI	USER SWAP-IN REQST RTN
64	(40) UNKNOWN	4	EPSTCSI	ROUTINE ADDRESS
80	(50) UNKNOWN	0	EPSTEND	END OF EPST TABLE

EVNT

Common Name: Event Table
Macro ID: IHAEVNT
DSECT Name: EVNT
Created by: IEAVEVT1
Subpool and Key: 253 and key 0
Size: 40 plus the number of EVENT entries requested by the user
Pointed to by: TCBEVENT field of the TCB data area
TCBEXTZT field of the TCB data area (first EVNT)
EVNTLNK field of the EVNT data area (next EVNT)
Serialization: LOCAL lock
Function: Contains pointers to EVENTS type ECBs that have completed and information that will be used by POST to take the user out of the wait state.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	EVNT	
0 (0)	FLOATING	8	EVNTBEGN	BEGINING OF EVENT TABLE
0 (0)	FLOATING	8	EVNTHEDR	EVENT TABLE HEADER
0 (0)	A-ADDRESS	4	EVNTLNK	EVENT TABLE QUEUE LINK PTR
4 (4)	A-ADDRESS	4	EVNTTCBP	TCB POINTER
8 (8)	A-ADDRESS	4	EVNTRBP	WAITING RB POINTER
12 (C)	A-ADDRESS	4	EVNTFST	PTR TO FIRST EVENT ENTRY
16 (10)	A-ADDRESS	4	EVNTLST	PTR TO LAST ENTRY OF TABLE
20 (14)	A-ADDRESS	4	EVNTLSTA	PTR TO LAST ACTIVE EVENT ENTRY IN TABLE
24 (18)	A-ADDRESS	1	EVNTFLG1	EVENT TABLE FLAGS
	1...		EVNTUPR	X'80' UPDATE EVENT TABLE INDICATOR
25 (19)	A-ADDRESS	3	EVNTLNTH	LENGTH OF EVENT TABLE
28 (1C)	A-ADDRESS	4	EVNTRES2	RESERVED
32 (20)	A-ADDRESS	4	EVNTRES3	RESERVED
36 (24)	A-ADDRESS	4	EVNTDUMY	DUMMY EVENT ENTRY

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
40 (28)	A-ADDRESS	4	EVNTHEND	END OF EVENT TABLE HEADER
40 (28)	A-ADDRESS	4	EVNTENTY	EVENT ENTRY
40 (28)	A-ADDRESS	1	EVNTFLGS	EVENT ENTRY FLAGS
1...			EVNTENDL	X'80' END OF LIST INDICATOR
41 (29)	A-ADDRESS	3	EVNTENTP	PTR TO POSTED ECB

EWA

Common Name: IOS Common ERP Work Area
Macro ID: EWAMAP
DSECT Name: EWA
Created by: IECIOSCN, IECVPST, and IECVRSTI
Subpool and Key: 245 and key 0
Size: 160 bytes
Pointed to by: IOSERP field of the IOSB data area
          UCBIOQ field of the UCB data area
Serialization: UCB lock when pointed to by the UCB,
otherwise none.
Function: This block represents the common segment of a
standard 160-byte ERP work area. The I/O Supervisor (IOS),
channel check handler (CCH), and error recovery procedures
(ERPs) use it to communicate with each other.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	EWA	
0 (0)	SIGNED	4	EWAHDR	
0 (0)	A-ADDRESS	4	EWAEXT	ADDRESS OF WORKAREA EXTENSION
4 (4)	HEX	1	EWAFLG1	FLAG BYTE 1
1...			EWASLIS	X'80' W.A. INVOLVED IN RECOVERY SENSE

==

EQU	X'70'		RESERVED	
.... 11..			EWASCCD	X'0C' SIO CONDITION CODE
.... 11..			EWASCC3	X'0C' CONDITION CODE 3
.... 1...			EWASCC2	X'C8' CONDITION CODE 2
.... .1..			EWASCC1	X'04' CONDITION CODE 1
....			EWASCC0	X'00' CONDITION CODE 0
.... ..1.			EWADDMSG	X'02' ERP DEPENDENT DATA TO BE INCLUDED IN I/O ERROR MESSAGE
....1			EWABDSNS	X'01' SENSE UNSUCCESSFUL
5 (5)	HEX	1	EWAFLG2	FLAG BYTE 2
1...			EWAMDR	X'80' IF ON, MDR REQUEST IF OFF, OBR REQUEST

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.1..			EWACINT	X'40' CSW STORED AFTER I/O INTERRUPT
..1.			EWACTIO	X'20' CSW STORED AFTER TEST I/O
...1			EWACHIO	X'10' CSW STORED AFTER HALT I/O

==

EQU	X'08'		RESERVED	
.... .1..			EWACSNS	X'04' SENSE DATA WAS STORED
.... ..1.			EWACCNT	X'02' CSW COUNT IS VALID
....1			EWANORTY	X'01' NO RETRY INDICATOR
21 (15) HEX		1	EWARGFG2	PROBABLE SOURCE INDICATORS
1...			EWACCPU	X'80' CPU ERROR
.1..			EWACCHA	X'40' CHANNEL ERROR
..1.			EWACSCU	X'20' STORAGE CONTROL UNIT ERROR
...1			EWACSTG	X'10' STORAGE ERROR
.... 1...			EWACCUE	X'08' CONTROL UNIT ERROR

==

EQU	X'07'		RESERVED	
22 (16) HEX		1	EWAXCSW1	VALIDITY INDICATORS
1...			EWACITF	X'80' INTERFACE ADDR IS VALID

==

EQU	X'60'		RESERVED	
...1			EWACSQV	X'10' SEQUENCE CODE IS VALID
.... 1...			EWACUNS	X'08' UNIT STATUS IS VALID
.... .1..			EWACCMD	X'04' COMMAND ADDRESS IS VALID
.... ..1.			EWACCHV	X'02' CHANNEL ADDRESS IS VALID
....1			EWACDAV	X'01' DEVICE ADDRESS IS VALID
23 (17) HEX		1	EWAXCSW2	TERMINATION & SEQUENCE CODES

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
11..			EWACTEC	X'C0' TERMINATION CODE.
....			EWATER0	X'00' INTERFACE DISCONNECT
.... .1..			EWATER1	X'04' STOP, STACK, OR NORMAL TERM
1...			EWATER2	X'80' SELECTIVE RESET
11..			EWATER3	X'C0' SYSTEM RESET

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EQU X'30'			RESERVED	
.... 1...			EWACDIN	X'08' I/O ERROR ALERT
.... .111			EWACSEQ	X'07' CHANNEL DEPENDENT SEQ. CODES
....			EWASEQ0	X'00'
....1			EWASEQ1	X'01'
.... ..1.			EWASEQ2	X'02'
.... ..11			EWASEQ3	X'03'
.... .1..			EWASEQ4	X'04'
.... .1.1			EWASEQ5	X'05'
.... .11.			EWASEQ6	X'06'
.... .111			EWASEQ7	X'07'

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24 (18) HEX		2	EWACHA	UNIT ADDRESS ON WHICH LAST I/O WAS STARTED
26 (1A) HEX		1		RESERVED
27 (1B) HEX		1	EWACPU	CPUID OF CPU ON WHICH I/O ERROR WAS ENCOUNTERED

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28 (1C) HEX		1	EWADCNT	NUMBER OF BYTES OF OBR INFO
29 (1D) HEX		3	EWADDISP	ADDRESS OF FIRST BYTE OF OBR DEVICE DEPENDENT INFORMATION

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32 (20) HEX		128	EWAIERP	AREA FOR INDIVIDUAL ERP USE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

==

IOS USAGE OF ERP DEPENDENT AREA FOR READING SENSE DATA AND
FOR A TEMPORARY STORAGE BEFORE THE ERP IS INITIALLY ENTERED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
32 (20)	HEX	64		SENSE INFORMATION

| 96 (60) | CHARACTER | 7 | EWASCSW | SLOT TO SAVE CSW ON INTERCEPT |
| | ..1. .... | | EWAHL | 32 HEADER LENGTH |

FBQE

Common Name: Free Block Queue Element
Macro ID: IHAFBQE
DSECT Name: FBQESECT
Created by: IEAVGM00
Subpool and Key: 245 or 255 and key 0
Size: 16 bytes
Pointed to by: PQEFFBQE field of the PQE data area (first
               FBQE)
               PQELFBQE field of the PQE data area (last
               FBQE)
               FWDPTR field of the FBQE data area (next
               FBQE)
               BCKPTR field of the FBQE data area (prior
               FBQE)
Serialization: SALLOC lock for the CSA/SQE
               LOCAL lock for the private area
Function: Description of 4K of contiguous free space.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	FBQESECT	FREE BLOCK QUEUE ELEMENT
0	(0) A-ADDRESS	4	FWDPTR	PTR TO NEXT FBQE OR PQE
4	(4) A-ADDRESS	4	BCKPTR	PTR TO PREVIOUS FBQE OR PQE
8	(8) SIGNED	4	SIZE	SIZE OF THIS FREE BLOCK
12	(C) A-ADDRESS	4	FBQAREA	LOW ADDRESS OF FREE BLOCK

FOE

Common Name: Fixed Ownership Element
Macro ID: IHAFOE
DSECT Name: FOE
Created by: IEAVFXLD (RSM superviosr)
Subpool and Key: 255 and key 0
Size: 8 bytes
Pointed to by: TCBFOEA field of the TCB data area
                RSMFOEQ field of the RSMHD data area
                FOELINK field of the FOE data area
Serialization: SALLOC lock
Function: Describes ownership of a fixed page, with a fixed
page count.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	FOE	, FOEPTR
0	(0) SIGNED	4	FOEFLNKF	FULLWORD REFERENCE FOR FOEFLINK
0	(0) BITSTRING 1...	1	FOEFLAG FOEINT	FLAG BYTE X'80' WHEN 1, FOE QUIESCED OR PURGED
1	(1) A-ADDRESS	3	FOEFLINK	FORWARD LINK-POINTER TO NEXT FOE OR 0 IF THIS IS LAST FOE
4	(4) HEX	2	FOEVINDX	VIRTUAL INDEX OF PAGE REPRESENTED BY THIS FOE, 12 BIT VIRTUAL BLOCK NUMBER CONCATENATED TO 4 LOW ORDER 0 BITS
6	(6) SIGNED	2	FOEFXCT	FIX COUNT ASSOCIATED WITH THIS FOE
8	(8) CHARACTER	1	FOEEND	END OF FIX OWNERSHIP ELEMENT

FQE

Common Name: Free Queue Element
Macro ID: IHAFQE
DSECT Name: FQESECT
Created by: IEAVGM00
Subpool and Key: 245 or 255 and key 0
Size: 16 bytes
Pointed to by: DQFQEPTR field of the DQE data area
                FQEPTR field of the FQE data area (next FQE)
Serialization: SALLOC lock for the SQA/CSA
                LOCAL lock for the private area
Function: Description of contiguous free space in subpool.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	FQESECT	FREE QUEUE ELEMENT
0	(0) BITSTRING	1	FQTYPE	FLAG BYTE
	1...		FQERGNFL	X'80' FQE REGION FLAG
	.1..		FQECPB	X'40' FREE AREA CROSSES PAGE BOUNDARY UNSUITABLE FOR L/SQA ALLOCATION
0	(0) A-ADDRESS	4	FQEPTR	PTR TO NEXT LOWER FREE AREA
4	(4) SIGNED	4	FQELNTH	NUMBER BYTES IN FREE AREA
8	(8) A-ADDRESS	4	FQAREA	HIGH ADDRESS OF FREE SPACE
12	(C) SIGNED	4	FQERSVD	RESERVED
	.... 1...		FQESLNTH	8 L/SQA FQE LENGTH
	...1		FQERLNTH	16 REGION FQE LENGTH

Common Name: FRR Stack
Macro ID: IHAFRRS
DSECT Name: FRRS
Created by: IEAVNIP0 or IEEVCPU
Subpool and Key: 245 and key 0
Size: 612 bytes (maximum)
Pointed to by: PSACSTK field of the PSA data area (current
                FRR stack)
             PSANSTK field of the PSA data area (normal
                FRR stack)
             PSAMSTK field of the PSA data area (machine
                check FLIH FRR stack)
             PSAMSAV field of the PSA data area (current
                FRR stack at the time of machine check)
             PSAPSTAK field of the PSA data area (program
                check FLIH FRR stack)
             PSAPSAV field of the PSA data area (current
                FRR stack at the time of program check)
             PSAESTK1 field of the PSA data area
                (external FLIH1 FRR stack)
             PSAESAV1 field of the PSA data area (current
                FRR stack at time of external interruption)
             PSAESTK2 field of the PSA data area
                (external FLIH2 FRR stack)
             PSAESAV2 field of the PSA data area (current
                FRR stack at time of first recursive
                external interruption)
             PSAESTK3 field of the PSA data area
                (external FLIH3 FRR stack)
             PSAESAV3 field of the PSA data area (current
                FRR stack at time of second recursive
                external interruption)
             PSARSTK field of the PSA data area (restart
                FLIH FRR stack)
             PSARSAV field of the PSA data area (current
                FRR stack at time of restart interruption)
             PSASSAV field of the PSA data area (current
                FRR stack at time of SVC interruption, I/O
                interruption, or dispatcher invocation)
             PSASSTK field of the PSA data area (SVC-I/O
                dispatcher FRR stack)
Serialization: None
Function: Maps the FRR stack contents and is used in
conjunction with the SETFRR macro to define functional
recovery routines.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	FRRS	, FRRSPTR
0	(0) CHARACTER	16	FRRSHEAD	THE HEADER OF THE FRR STACK
0	(0) A-ADDRESS	4	FRRSEMP	ADDRESS WHICH INDICATES AN EMPTY STACK
4	(4) A-ADDRESS	4	FRRSLAST	ADDRESS OF LAST ENTRY IN THE STACK

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
8	(8) SIGNED	4	FRRSELEN	LENGTH OF EACH FRR ENTRY IN THE STACK
12	(C) A-ADDRESS	4	FRRSCURR	ADDRESS OF CURRENT FRR ENTRY IN THE STACK
16	(10) CHARACTER	68	FRRSRTMW	THE RTM1 WORK AREA PORTION OF THE FRR STACK
84	(54) CHARACTER	512	FRRSENTS	THE FRR ENTRIES IN THE STACK
0	(0) STRUCTURE	0	FRRSENTR	, FRREPTR THE MAPPING OF A FRR ENTRY
0	(0) A-ADDRESS	4	FRRSFRRA	THE ADDRESS OF THE FRR
4	(4) CHARACTER	4	FRRSFLGS	FLAGS USED BY RTM DURING FRR PROCESSING
4	(4) BITSTRING	1	FRRSFLG1	RECURSION FLAGS USED BY RTM
	1...		FRRSRCUR	X'80' RECURSION FLAG USED WHEN GIVING CONTROL TO FRR AND WHEN RECEIVING CONTROL BACK FROM FRR
	.1..		FRRSNEST	X'40' FLAG INDICATING A NESTED FRR ENTRY
5	(5) BITSTRING	3		RESERVED
8	(8) CHARACTER	24	FRRSPARM	PARAMETER AREA PASSED TO FRR
	..1.		FRRSESZE	32 LENGTH OF EACH FRR ENTRY
	.1.1 .1..		FRRSFENT	84 DISPLACEMENT INTO FRR STACK OF FIRST FRR ENTRY
	...1		FRRSNENT	16 NUMBER OF FRR ENTRIES IN STACK 596 TOTAL LENGTH OF NORMAL FRR STACK∂ZM02352

GDA

Common Name: Global Data Area
Macro ID: IHAGDA
DSECT Name: GDA
Created by: NIP initialization, IEAVGM00, and IEAVPRT0
Subpool and Key: 245 and key 0
Size: 56 bytes
Pointed to by: CVTGDA field of the CVT data area
Serialization: SALLOC lock(since the GDA maps the common area only)
Function: Contains system-related VSM control blocks and pointers.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	GDA	
0 (0)	SIGNED	4	GVSMFLAG	GLOBAL FLAGS
0 (0)	BITSTRING	1	GDAFLAGS	
	..1.		NIPFOURK	X'20' FLAG RSM NOT READY (NIP)
	.... 1...		SQATHRS1	X'08' SQA THRESHOLD 1 (APPROACHING CRITICAL) PASSED IF ON
	.... .1..		SQATHRS2	X'04' SQA THRESHOLD 2 (CRITICAL) PASSED IF ON
	.... ..1.		WAITQUE	X'02' INDICATES V=R GETPART SPECIFIC IN A WAIT FOR REAL REGION SPACE
1 (1)	BITSTRING	3	RESV	
4 (4)	SIGNED	4	VRDREG	DEFAULT V=R REGION SIZE
8 (8)	SIGNED	4	CSAPQEP	CSA PQE PTR
12 (C)	SIGNED	4	VRPQEP	V=R PQE PTR
16 (10)	SIGNED	4	PASTRT	PRIVATE AREA START ADDRESS
20 (14)	SIGNED	4	PASIZE	PRIVATE AREA SIZE
24 (18)	SIGNED	4	SQASPQEP	SQA SPQE PTR
28 (1C)	SIGNED	4	SQASPLFT	SQA SPACE LEFT UNALLOCATED
32 (20)	SIGNED	4	VRPOSTQ	V=R POST QUEUE ANCHOR BLOCK

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
32	(20)	SIGNED	4	VRPFEL	PTR TO FIRST Q EL.
36	(24)	SIGNED	4	VRPLEL	PTR TO LAST Q EL.
40	(28)	SIGNED	4	VRWAITQ	V=R WAIT QUEUE ANCHOR BLOCK
40	(28)	SIGNED	4	VRWFEL	PTR TO FIRST Q EL.
44	(2C)	SIGNED	4	VRWLEL	PTR TO LAST Q EL.
48	(30)	SIGNED	4	PFSTCPAB	FIRST CPAB PTR
52	(34)	SIGNED	4	CSASPQEP	FIRST CSA SPQE PTR

==

THE FOLLOWING FIELDS MUST REMAIN IN SEQUENCE

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
56	(38)	SIGNED	4	GLBLCELL	INTERNAL CELL ANCHOR BLOCK
60	(3C)	SIGNED	4	GBLCELCT	COUNT OF FREE INTERNAL CELLS

ICB

Common Name: SAM Interrupt Control Block
Macro ID: IHAICB
DSECT Name: ICB
Created by: OPEN/SAM/ISAM
Subpool and Key: Subpool 0 and key 0
Size: 48 bytes
Pointed to by: DCBIOBA field of the DCB data area.
Serialization: Serialization is user's responsibility.
Local lock held during I/O interrupt processing.
Function: Used to contain channel programs and status
information for chained scheduling.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	ICB	
0 (0)	A-ADDRESS	4	ICBNICBA	ADDR. NEXT ICB ON CHAIN
0 (0)	BITSTRING	1	ICBNFLG1	FLAG BYTE
1...			ICBPRTOV	X'80' 'PRTOV' HAS OCCURRED
.1..			ICBWRITE	X'40' 'WRITE' OPERATION IN PROCESS
..1.			ICBREAD	X'20' 'READ' OPERATION IN PROCESS
...1			ICBUPDAT	X'10' BLOCK IS TO BE UPDATED
.... 1...			ICBBKSPC	X'08' ICB BEING USED FOR BACKSPACE,CONTROL,NOTE/PT.
.... .1..			ICBSPAN	X'04' THIS RECORD IS A SPANNED RECORD
.... ..1.			ICBRSV06	X'02',,C'X' RESERVED
....1			ICBFIRST	X'01' THIS IS FIRST ICB ON CHAIN
1 (1)	A-ADDRESS	3	ICBNICBB	ADDR. NEXT ICB ON CHAIN
4 (4)	SIGNED	4	ICBNECB	EVENT CONTROL BLOCK

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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ICB SECTION 2 -- EQUIVALENT TO
FIRST PART OF IOB STANDARD SECTION

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
8	(8) BITSTRING	1	ICBFLAG1	FLAG BYTE
	1...		ICBDATCH	X'80' DATA CHAINING USED IN CHANNEL PROGRAM
	.1..		ICBCMDCH	X'40' COMMAND CHAINING USED IN CHANNEL PROGRAM
	..1.		ICBERRTN	X'20' ERROR ROUTINE IS IN CONTROL
	...1		ICBRPSTN	X'10' DEVICE IS TO BE REPOSITIONED
	.... 1...		ICBCYCCK	X'08' CYCLIC REDUNDANCY CHECK NEEDED(TAPE ONLY)
	.... 1...		ICBFCREX	X'08' FETCH COMMAND RETRY EXIT (DIRECT ACCESS ONLY)
	.... .1..		ICBIOERR	X'04' I/O ERROR HAS OCCURRED
	.... ..1.		ICBUNREL	X'02' THIS I/O REQUEST IS UNRELATED(NON-SEQUENTIAL)
	1		ICBRSTRT	X'01' RESTART ADDR.IN ICB TO BE USED
9	(9) BITSTRING	1	ICBFLAG2	FLAG BYTE
	1...		ICBHALT	X'80' HALT I/O HAS BEEN ISSUED BY SVC PURGE ROUTINE
	.1..		ICBSENSE	X'40' ISSUE SENSE COMMAND AFTER DEVICE END OCCURS
	..1.		ICBPURGE	X'20' ICB HAS BEEN PURGED ALLOW I/O TO QUIESCE
	...1		ICBRDHA0	X'10' HOME ADDRESS TO BE READ NO SEEK NEEDED
	.... 1...		ICBALTTR	X'08' NO TEST FOR OUT-OF-EXTENT AN ALTERNATE TRACK IS IN USE

ICB   ICB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... .1..		ICBSKUPD	X'04' SEEK ADDRESS IS BEING UPDATED CYLINDER END OR FILE MASK VIOLATION HAS OCCURRED
	.... ..1.		ICBSTATO	X'02' DEVICE END STATUS HAS BEEN ORED WITH CHANNEL END STATUS GRAPHICS DEVICE
	1		ICBPNCH	X'01' TURNED ON BY QSAM WHEN ERROR RECOVERY IS TO BE PROVIDED FOR THE 2540 CARD PUNCH
10	(A) BITSTRING	1	ICBSENS0	FIRST SENSE BYTE
	1...		ICBS0B0	X'80' BIT 0 (DEVICE DEPENDENT)
	.1..		ICBS0B1	X'40' BIT 1 (DEVICE DEPENDENT)
	..1.		ICBS0B2	X'20' BIT 2 (DEVICE DEPENDENT)
	...1		ICBS0B3	X'10' BIT 3 (DEVICE DEPENDENT)
	.... 1...		ICBS0B4	X'08' BIT 4 (DEVICE DEPENDENT)
	.... .1..		ICBS0B5	X'04' BIT 5 (DEVICE DEPENDENT)
	.... ..1.		ICBS0B6	X'02' BIT 6 (DEVICE DEPENDENT)
	1		ICBS0B7	X'01' BIT 7 (DEVICE DEPENDENT)
	1		ICBSNSC9	X'01' CHANNEL 9 SENSED IN CARRIAGE TAPE
11	(B) BITSTRING	1	ICBSENS1	SECOND SENSE BYTE
	1...		ICBS1B0	X'80' BIT 0 (DEVICE DEPENDENT)
	.1..		ICBS1B1	X'40' BIT 1 (DEVICE DEPENDENT)
	..1.		ICBS1B2	X'20' BIT 2 (DEVICE DEPENDENT)
	...1		ICBS1B3	X'10' BIT 3 (DEVICE DEPENDENT)

ICB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... 1...			ICBS1B4	X'08' BIT 4 (DEVICE DEPENDENT)
.... .1..			ICBS1B5	X'04' BIT 5 (DEVICE DEPENDENT)
.... ..1.			ICBS1B6	X'02' BIT 6 (DEVICE DEPENDENT)
....1			ICBS1B7	X'01' BIT 7 (DEVICE DEPENDENT)
12	(C) A-ADDRESS	4	ICBECBPT	ADDRESS OF ECB TO BE POSTED ON I/O COMPLETION
12	(C) CHARACTER	1	ICBECBCC	COMPLETION CODE FOR THIS I/O REQUEST
13	(D) A-ADDRESS	3	ICBECBPB	ADDRESS OF ECB TO BE POSTED ON I/O COMPLETION
16	(10) BITSTRING	1	ICBFLAG3	ERROR ROUTINE FLAG BYTE
17	(11) CHARACTER	7	ICBCSW	LOW ORDER 7 BYTES OF CSW AT CHANNEL END
24	(18) A-ADDRESS	4	ICBSTART	ADDRESS OF CHANNEL PROGRAM
24	(18) BITSTRING	1	ICBSIOCC	BITS 2 AND 3 = C.C. FROM SIO
25	(19) A-ADDRESS	3	ICBSTRTB	ADDRESS OF CHANNEL PROGRAM

EQUIVALENCE WITH IOB IS LOST AT THIS POINT, SINCE THE TWO IOB WORDS IOBDCBPT AND IOBRESTR ARE NOT IN THE ICB

28	(1C) SIGNED	2	ICBINCAM	VALUE USED TO INCREMENT BLOCK COUNT ON TAPE
28	(1C) CHARACTER	1	ICBCRDCC	OPTICAL READER: DATA CHECK ERROR COUNT
29	(1D) CHARACTER	1	ICBCRILC	OPTICAL READER: INCORRECT LENGTH ERROR COUNT
30	(1E) BITSTRING	1	ICBINDIC	SPECIAL CONDITION INDICATORS

ICB   ICB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			ICBVOLFL	X'80' END OF VOLUME WITH READ/WRITE ERROR
31 (1F)	BITSTRING	1	ICBRSV07	RESERVED

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EXTENSION SECTIONS OF THE ICB

| 32 (20) | FLOATING | 8 | ICBEXTEN | DIRECT ACCESS EXTENSION 8 BYTES |

| 32 (20) | CHARACTER | 8 | ICBSEEK | |

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32 (20)	CHARACTER	1	ICBM	RELATIVE EXTENT NUMBER FOR THIS REQUEST(0-15)
33 (21)	CHARACTER	2	ICBBB	BIN NUMBER(DATA CELL)
33 (21)	CHARACTER	1	ICBBB1	
34 (22)	CHARACTER	1	ICBBB2	
35 (23)	CHARACTER	2	ICBCC	CYLINDER NUMBER
35 (23)	CHARACTER	1	ICBCC1	

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36 (24)	CHARACTER	1	ICBCC2	
37 (25)	CHARACTER	2	ICBHH	TRACK NUMBER
37 (25)	CHARACTER	1	ICBHH1	
38 (26)	CHARACTER	1	ICBHH2	
39 (27)	CHARACTER	1	ICBR	RECORD NUMBER

| 40 (28) | FLOATING | 8 | ICBDACCW | CHANNEL PROGRAM SEGMENT START |

ICT

Common Name: SRM I/O Management Control Table
Macro ID: IRAICT
DSECT Name: ICT
Created by: Assembled into nucleus module, IRARMCNS
Subpool and Key: NUCLEUS and key 0
Size: 88 bytes
Pointed to by: RMCTICT field of the RMCT data area
Serialization: SRM lock
Function: Contains logical channel usage information for
use by SRM I/O management module, IRARMIOM.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) UNKNOWN	88	ICT	I/O CONTROL TABLE
0	(0) UNKNOWN	4	ICTICT	ACRONYM IN EBCDIC ICT-

I/O CONTROL CONSTANTS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
4	(4) UNKNOWN	4	ICCMRSV1	RESERVED
8	(8) UNKNOWN	4	ICCMXICT	MAX TIME HEAVY I/O USER CAN REMAIN IN MAIN STORAGE WITHOUT BEING MONITORED FOR I/O USAGE
12	(C) UNKNOWN	4	ICCMNUIN	MIN INT FOR USER I/O MONITORING
16	(10) UNKNOWN	4	ICCMNSWP	MINIMUM SWAP OUT TIME FOR I/O IMBALANCE CORRECTION
20	(14) UNKNOWN	4	ICCLCLST	POINTER TO LAST RLCT TABLE ENTRY
24	(18) UNKNOWN	2	ICCLCHN	LOGICAL CHANNEL COUNT
26	(1A) UNKNOWN	2	ICCMNIOR	MIN I/O RATE FOR USER I/O MONITORING
28	(1C) UNKNOWN	2	ICCRVSCF	IOL REC VALUE SCALING FACTOR
30	(1E) UNKNOWN	2	ICCMAXRV	MAXIMUM IOL RECOMMENDATION VAL
32	(20) UNKNOWN	2	ICCMINRV	MINIMUM IOL RECOMMENDATION VAL

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
34 (22)	UNKNOWN	2	ICCDASF1	AVERAGING FACTOR FOR LCH UTILIZATION COMPUTATION
36 (24)	UNKNOWN	2	ICCDASF2	ICCDASF1+1

LCH UTILIZATION IMBALANCE THRESHOLDS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
38 (26)	UNKNOWN	2	ICCHIUTH	HIGH IMBALANCE THRESHOLD
40 (28)	UNKNOWN	2	ICCLOUTH	LOW IMBLAANCE THRESHOLD
42 (2A)	UNKNOWN	2	ICCDAUTH	THRESHOLD FOR DEVICE ALLOCATION SYSEVENT 256

LCH UTILIZATION THRESHOLD INITIALIZATION VALUES FOR UNI OR M PROCESSOR CASES

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
44 (2C)	UNKNOWN	4	ICCINHIT	HIGH THRESHOLD INIT VALUES
48 (30)	UNKNOWN	4	ICCINLOT	LOW THRESHOLD INIT VALUE S
52 (34)	UNKNOWN	4	ICCINDAT	DEV ALLOC THRESHOLD INIT VALUES
56 (38)	UNKNOWN	2	ICCSIGUP	SIGNIFICANT USER LCH USAGE PERCENTAGE
58 (3A)	UNKNOWN	2	ICCSRSV2	RESERVED
60 (3C)	UNKNOWN	2	ICCEDSUT	EST DD UTILIZ IMPACT
62 (3E)	UNKNOWN	2	ICCRSV01	RESERVED
64 (40)	UNKNOWN	0	ICCEND	END OF ICT CONSTANTS

I/O CONTROL VARIABLES

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
64 (40)	UNKNOWN	4	ICVLUTBT	LCH UTILIZATION COMPUTATION BASE TIME
68 (44)	UNKNOWN	4	ICVLCBPT	LCH IMBALANCE BIT PATTERN
72 (48)	UNKNOWN	4	ICVOLCBT	OVERUTILIZED LCH BIT PATTERN

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
76 (4C)	UNKNOWN	4	ICVULCBT	UNDERUTILIZED LCH BIT PATTERN
80 (50)	UNKNOWN	4	ICVIRSV3	RESERVED

I/O CONTROL FLAGS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
84 (54)	UNKNOWN	1	ICTFLAGS	I/O CONTROL FLAGS
	1...		ICTDRSV4	RESERVED
	.1..		ICTIOL	I/O LOAD BALANCING ACTIVE FLAG
	..1.		ICTIOOT	SOME LOGICAL CHANNELS OUT OF BALANCE
	...1 1111		ICTOO3	RESERVED
85 (55)	UNKNOWN	1	ICTRSVB1	RESERVED
86 (56)	UNKNOWN	1	ICTRSVB2	RESERVED
87 (57)	UNKNOWN	1	ICTRSVB3	RESERVED
88 (58)	UNKNOWN	0	ICTEND	END OF ICT

IHSA

Common Name: Interrupt Handler Save Area
Macro ID: IHAIHSA
DSECT Name: IHSA
Created by: IEAVEMIN
Subpool and Key: 255 and key 0
Size: 720 bytes
Pointed to by: ASXBIHSA field of the ASXB data area
Serialization: LOCAL lock
Function: The interruption handlers use this area to save
the status of an interrupted task holding the LOCAL lock.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	IHSA	
0 (0)	FLOATING	8	IHSACPUT	VALUE OF CPU TIMER
8 (8)	SIGNED	4	IHSANTCB	VALUE OF IEATCBP AT INTERRUPT
12 (C)	SIGNED	4	IHSAOTCB	VALUE OF IEATCBP+4 AT INTERRUPT
16 (10)	FLOATING	8	IHSACPSW	VALUE OF CURRENT TCB
24 (18)	CHARACTER	32	IHSAFPRS	FLOATING POINT REG SAVE AREA
24 (18)	FLOATING	8	IHSAFPR0	FLOATING POINT REG 0
32 (20)	FLOATING	8	IHSAFPR2	FLOATING POINT REG 2
40 (28)	FLOATING	8	IHSAFPR4	FLOATING POINT REG 4
48 (30)	FLOATING	8	IHSAFPR6	FLOATING POINT REG 6
56 (38)	CHARACTER	64	IHSAGPRS	GENERAL REGISTER SAVE AREA
120 (78)	CHARACTER	596	IHSAFRRS	FRR STACK SAVE AREA
720 (2D0)	FLOATING	8		ALIGN TO DOUBLE WORD MULT

IMCB

Common Name: SRM User I/O Management Control Block
Macro ID: IRAIMCB
DSECT Name: IMCB
Created by: IRARMIOM
Subpool and Key: 245 and key 0
Size: 144 bytes, including user LCH usage table entries
Pointed to by: OUCBIMCB field of the OUCB data area
Serialization: SRM lock
Function: Contains user logical channel usage information
for use by SRM I/O management module, IRARMIOM.

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
0	(0)	UNKNOWN	24	IMCB	
0	(0)	UNKNOWN	4	IMCBIMCB	MNEMONIC IN EBCDIC IMCB-
4	(4)	UNKNOWN	4	IMCBLBGN	POINTER TO FIRST ENTRY IN IMCB LCH TABLE
8	(8)	UNKNOWN	4	IMCBLEND	POINTER TO LAST ENTRY IN IMCB LCH TABLE. NOTE: IMCB LCH TABLE ENTRIES START AT THE END OF THE IMCB TO PERMIT INSERTIONS USING MVC
12	(C)	UNKNOWN	4	IMCBSLCB	SIGNIFICANT LCH USAGE BIT
16	(10)	UNKNOWN	4	IMCBRSV	RESERVED
20	(14)	UNKNOWN	2	IMCBRV	LAST RECOMMENDATION VALUE COMPUTED WHILE USER WAS IN MAIN STORAGE
22	(16)	UNKNOWN	2	IMCBFLGS	IMCB FLAGS
		1...		IMCBINIT	IMCB LCH TABLE INITIALIZED
24	(18)	UNKNOWN	0	IMCBLCHT	USER LCH USAGE TABLE
24	(18)	UNKNOWN	0	IMCBEND	END OF IMCB

IOB

Common Name: IOS Input/Output Block
Macro ID: IEZIOB
DSECT Name: IOB (DSECT card precedes prefix); label,
IOBSTDRD should be used in the USING statement for the
standard section.
Created by: Access method OPEN executor
Subpool and Key: Subpool 0 and user key
Size: Variable
Pointed to by: DCBIOBAD field of the DCB data area
           DCBIOBA field of the DCB data area
           IOBNIOBA field of the IOB data area
           RQEIOB field of the RQE data area
            (depending on access method used)
           QPLIOB field of the QPL data area
           TCBIOBRC field of the TCB data area (for
            first quiesced TCB)
Serialization: Responsibility for serialization is the
user's. LOCAL lock held during I/O interrupt processing.
Dependent upon the access method as to how IOBs are chained
and serialized.
Function: The IOB is the communication medium between a
routine that requests an I/O operation and the I/O
supervisor needs to execute an I/O operation.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	IOB	, IOBSTDRD-16
-16 (-10)	FLOATING	8	IOBPREFX	QSAM,BSAM,BPAM PREFIX CHAINED SCHEDULING 16 BYTES
-16 (-10)	FLOATING	8	IOBQSAMC	
-16 (-10)	FLOATING	8	IOBBSAMC	
-16 (-10)	FLOATING	8	IOBBPAMC	
-16 (-10)	BITSTRING	1	IOBCFLG1	I/O INDICATORS
1...			IOBRSV01	X'80',,C'X' RESERVED
.1..			IOBRSV02	X'40',,C'X' RESERVED
..1.			IOBRSV03	X'20',,C'X' RESERVED
...1			IOBRSV04	X'10',,C'X' RESERVED
.... 1...			IOBPTST	X'08' NOTE OR POINT OPERATION IS IN PROCESS
.... .1..			IOBABAPP	X'04' ERROR HAS BEEN PROCESSED ONCE BY ABNORMAL-END APPENDAGE ROUTINE
.... ..1.			IOBRSTCH	X'02' RESTART CHANNEL

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
....1			IOBPCI	X'01' SET WHEN A PROGRAM-CONTROLLED INTERRUPTION (PCI) OCCURS
-15 (-F)	HEX	1	IOBRSV05	RESERVED
-14 (-E)	CHARACTER	1	IOBCINOP	OFFSET OF THE LAST I/O COMMAND FOR INPUT OPERATION (NOP CCW) FROM THE ORIGIN OF THE ICB
-13 (-D)	CHARACTER	1	IOBCONOP	OFFSET OF THE LAST I/O COMMAND FOR AN OUTPUT OPERATION (NOP CCW) FROM THE ORIGIN OF THE ICB
-12 (-C)	SIGNED	4	IOBCECB	EVENT CONTROL BLOCK USED BY BSAM OR QSAM. SHOWS THE STATUS OF THE I/O OPERATION.
-8 (-8)	A-ADDRESS	4	IOBCICB	ADDRESS OF THE FIRST INTERRUPT CONTROL BLOCK (ICB) ON THE ICB QUEUE
-4 (-4)	A-ADDRESS	4	IOBCNOPA	ADDRESS OF THE NOP COMMAND AT THE END OF THE QUEUE
-8 (-8)	FLOATING	8	IOBQSAMN	
-8 (-8)	FLOATING	8	IOBBSAMN	
-8 (-8)	FLOATING	8	IOBBPAMN	
-8 (-8)	A-ADDRESS	4	IOBNIOBA	ADDRESS OF THE NEXT IOB ASSOCIATED WITH ONE PARTICULAR DCB. THE IOB'S ARE CHAINED IN SEQUENTIAL ORDER.
-8 (-8)	BITSTRING	1	IOBNFLG1	FLAG BYTE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			IOBPRTOV	X'80' PRTOV HAS OCCURRED (PRINTER DEVICES)
1...			IOBSEGMT	X'80' SEGMENTING OF A SPANNED RECORD IS IN PROCESS (QSAM LOCATE MODE, LOGICAL RECORD INTERFACE, UPDATE PROCESSING) (DIRECT ACCESS) (OS/VS2)
.1..			IOBWRITE	X'40' A WRITE OPERATION IS IN PROCESS
..1.			IOBREAD	X'20' A READ OPERATION IS IN PROCESS
...1			IOBUPDAT	X'10' UPDATE FLAG. SET ON TOGETHER WITH BIT 1 OF THIS BYTE TO SHOW THAT THE BLOCK IS TO BE UPDATED. CAN ONLY OCCUR IF THE OPEN PARAMETER IS UPDAT.
.... 1...			IOBBKSPC	X'08' IOB BEING USED FOR BACKSPACE, CONTROL OR NOTE/POINT OPERATION
.... .1..			IOBSPAN	X'04' THE RECORD CURRENTLY BEING PROCESSED HAS MORE THAN ONE SEGMENT (QSAM LOCATE MODE, LOGICAL RECORD INTERFACE, UPDATE PROCESSING OF SPANNED RECORDS)
.... ..1.			IOBUPERR	X'02' UPDATE CHANNEL PROGRAM HAS BEEN SPLIT INTO TWO PARTS
....1			IOBFIRST	X'01' THIS IS THE FIRST IOB ON CHAIN

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
-7 (-7)	A-ADDRESS	3	IOBNIOBB	ADDRESS OF THE NEXT IOB ASSOCIATED WITH ONE PARTICULAR DCB. THE IOB'S ARE CHAINED IN SEQUENTIAL ORDER.
-4 (-4)	SIGNED	4	IOBNECB	EVENT CONTROL BLOCK USED BY QSAM TO INDICATE THE STATUS OF THE I/O EVENT
-8 (-8)	FLOATING	8	IOBBDAM	
-8 (-8)	A-ADDRESS	4	IOBDQADA	ADDRESS OF THE OTHER IOB REFERRED TO IN DESCRIPTION OF IOBDEQ BELOW
-8 (-8)	BITSTRING	1	IOBDEQIN	DEQUEUE LOOP INDICATOR
1...			IOBDEQ	X'80' THIS IOB IS USING A TRACK THAT WAS DEQUEUED BY ANOTHER IOB WHICH IS NOW WAITING TO DEQUEUE ANOTHER TRACK. THE OTHER IOB ENQUEUED ON TWO OR MORE TRACKS TO FIND SPACE IN WHICH TO WRITE/ADD A SPANNED RECORD. THE OTHER IOB REMAINED ENQUEUED UNTIL IT EITHER WROTE THE RECORD OR DETERMINED THAT THERE WAS ENOUGH CONTIGUOUS FREE SPACE ON THE TRACKS TO CONTAIN THE RECORD. AFTER THE OTHER IOB DEQUEUED THE CURRENT TRACK, THE DEQUEUEING WAS INTERRUPTED BY

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				THE NEED OF THIS IOB FOR THE CURRENT TRACK.
.1..			IOBRSV07	X'40',,C'X' RESERVED
..1.			IOBRSV08	X'20',,C'X' RESERVED
...1			IOBRSV09	X'10',,C'X' RESERVED
.... 1...			IOBRSV10	X'08',,C'X' RESERVED
.... .1..			IOBRSV11	X'04',,C'X' RESERVED
.... ..1.			IOBRSV12	X'02',,C'X' RESERVED
....1			IOBRSV13	X'01',,C'X' RESERVED
-7	(-7) A-ADDRESS	3	IOBDQADB	ADDRESS OF THE OTHER IOB REFERRED TO IN DESCRIPTION OF IOBDEQ ABOVE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
-4	(-4) A-ADDRESS	4	IOBSWAP	ADDRESS OF THE SEGMENT WORK AREA USED BY THIS IOB TO READ OR WRITE A RECORD OF A FORMAT VS DATA SET

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
-4	(-4) SIGNED	4	IOBGQECB	EVENT CONTROL BLOCK THAT IS WITHIN FIRST IOB ONLY (GAM) EVENT CONTROL BLOCK USED TO INDICATE STATUS OF AN I/O EVENT (QISAM)

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STANDARD SECTION OF THE IOB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) FLOATING	8	IOBSTDRD	

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) BITSTRING	1	IOBFLAG1	FLAG BYTE 1
1...			IOBDATCH	X'80' DATA CHAINING USED IN CHANNEL PROGRAM
.1..			IOBCMDCH	X'40' COMMAND CHAINING USED IN CHANNEL PROGRAM
..1.			IOBERRTN	X'20' ERROR ROUTINE IS IN CONTROL

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
...1			IOBRPSTN	X'10' DEVICE IS TO BE REPOSITIONED
.... 1...			IOBCYCCK	X'08' CYCLIC REDUNDANCY CHECK (CRC) NEEDED (TAPE)
.... 1...			IOBFCREX	X'08' FETCH COMMAND RETRY EXIT (DIRECT ACCESS)
.... .1..			IOBIOERR	X'04' EXCEPTIONAL CONDITION. AFTER THE ERROR ROUTINE RETURNS AND THIS BIT IS ON, THE ERROR IS CONSIDERED PERMANENT.
.... ..1.			IOBUNREL	X'02' IOB UNRELATED FLAG (I.E., NONSEQUENTIAL)
....1			IOBRSTRT	X'01' IF 1, RESTART ADDRESS IN IOB TO BE USED. IF 0, START. (OS/VS1)
....1			IOBSPSVC	X'01' FOR SAM/PAM, SET BY SVC IF I/O APPENDAGE SHOULD NOT PROCESS INTERRUPT (OS/VS2)
1	(1) BITSTRING	1	IOBFLAG2	FLAG BYTE 2
1...			IOBHALT	X'80' HALT I/O HAS BEEN ISSUED BY SVC PURGE ROUTINE
.1..			IOBSENSE	X'40' SENSE WILL NOT BE PERFORMED UNTIL THE DEVICE IS FREE
..1.			IOBPURGE	X'20' IOB HAS BEEN PURGED TO ALLOW I/O ACTIVITY TO QUIESCE. (OS/VS1)
..1.			IOBRRT3	X'20' TYPE 3 RELATED REQUEST (OS/VS2)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	...1		IOBRDHA0	X'10' HOME ADDRESS (R0) RECORD IS TO BE READ. SEEK COMMAND NOT NEEDED. (OS/VS1)
	...1		IOBRRT2	X'10' TYPE 2 RELATED REQUEST (OS/VS2)
	.... 1...		IOBALTTR	X'08' NO TEST FOR OUT-OF-EXTENT. AN ALTERNATE TRACK IS IN USE.
	.... .1..		IOBSKUPD	X'04' SEEK ADDRESS IS BEING UPDATED. CYLINDER END OR FILE MASK VIOLATION HAS OCCURRED.
	.... ..1.		IOBSTAT0	X'02' DEVICE END STATUS HAS BEEN OR'ED WITH CHANNEL END STATUS (GRAPHICS DEVICE)
	1		IOBPNCH	X'01' ERROR RECOVERY IN CONTROL FOR A 2540 CARD PUNCH WITH THREE BUFFERS (QSAM) RESETPL MACRO INSTRUCTION WAS USED (BTAM)
2	(2) BITSTRING	1	IOBSENS0	FIRST SENSE BYTE
	1...		IOBS0B0	X'80' BIT 0 (DEVICE DEPENDENT)
	.1..		IOBS0B1	X'40' BIT 1 (DEVICE DEPENDENT)
	..1.		IOBS0B2	X'20' BIT 2 (DEVICE DEPENDENT)
	...1		IOBS0B3	X'10' BIT 3 (DEVICE DEPENDENT)
	.... 1...		IOBS0B4	X'08' BIT 4 (DEVICE DEPENDENT)
	.... .1..		IOBS0B5	X'04' BIT 5 (DEVICE DEPENDENT)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... ..1.		IOBS086	X'02', BIT 6 (DEVICE DEPENDENT)
	1		IOBS087	X'01', BIT 7 (DEVICE DEPENDENT)
	1		IOBSNC9	X'01', CHANNEL 9 SENSED IN CARRIAGE TAPE
3	(3) BITSTRING	1	IOBSENS1	SECOND SENSE BYTE
	1...		IOBS080	X'80', BIT 0 (DEVICE DEPENDENT)
	.1..		IOBS081	X'40', BIT 1 (DEVICE DEPENDENT)
	..1.		IOBS082	X'20', BIT 2 (DEVICE DEPENDENT)
	...1		IOBS083	X'10', BIT 3 (DEVICE DEPENDENT)
	.... 1...		IOBS184	X'08', BIT 4 (DEVICE DEPENDENT)
	.... .1..		IOBS185	X'04', BIT 5 (DEVICE DEPENDENT)
	.... ..1.		IOBS186	X'02', BIT 6 (DEVICE DEPENDENT)
	1		IOBS187	X'01', BIT 7 (DEVICE DEPENDENT)
4	(4) A-ADDRESS	4	IOBECBPT	ADDRESS OF ECB TO BE POSTED ON I/O COMPLETION
4	(4) CHARACTER	1	IOBECBCC	COMPLETION CODE FOR AN I/O REQUEST. THIS CODE WILL APPEAR IN THE FIRST BYTE OF AN ECB.
5	(5) A-ADDRESS	3	IOBECBPB	ADDRESS OF THE ECB TO BE POSTED UPON THE COMPLETION OF AN I/O EVENT. FOR BSAM/BPAM, ECB IS IN THE DECB. FOR QSAM, ECB IS IN THE QSAM PREFIX OF THE IOB.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
8 (8)	BITSTRING	1	IOBFLAG3	I/O SUPERVISOR ERROR ROUTINE FLAG BYTE (DEVICE DEPENDENT)
8 (8)	BITSTRING	1	IOBFL3	FLAG 3 STATUS ERROR COUNTS FOR MAGNETIC DOCUMENT READER (3890) OR FLAGS FOR 3800 (OS/VS1)
1...			IOBCCC	X'80' CHANNEL CONTROL CHECK ERROR COUNT (3890)
.1..			IOBICC	X'40' INTERFACE CONTROL CHECK ERROR COUNT (3890)
..1.			IOBCDC	X'20' CHANNEL DATA CHECK ERROR (3890)
...1			IOBACU	X'10' ATTENTION/CONTROL UNIT ERROR (3890)
.... 1...			IOBCNC	X'08' CHAIN CHECK ERROR (3890)
.... 1...			IOBSDR	X'08' STATISTICS ONLY FLAG (3800)
.... .1..			IOBMSG	X'04' MESSAGE FLAG (3890 OR 3800)
.... ..1.			IOBICL	X'02' INCORRECT LENGTH ERROR (3890)
.... ..1.			IOBJAM	X'02' SET ON WHEN JES SUBSYSTEM HAS DETECTED A PAPER JAM SO 3800 ERP WILL SUPPRESS ITS INTERVENTION REQUIRED MESSAGE (3800)
....1			IOBLOG	X'01' LOG OUT FLAG (3890 OR 3800)
9 (9)	CHARACTER	7	IOBCSW	LOW-ORDER SEVEN BYTES OF THE LAST CSW THAT REFLECTS THE STATUS FOR THIS REQUEST

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
9	(9) CHARACTER	5	IOBIOCSW	LOW-ORDER BYTES OF CSW FOR MAGNETIC DOCUMENT READER (3890) (OS/VS1)
9	(9) A-ADDRESS	3	IOBCMDA	COMMAND ADDRESS (3890)
12	(C) BITSTRING	2	IOBSTBYT	STATUS BITS 32-47 (3890)
12	(C) BITSTRING	1	IOBUSTAT	CSW UNIT STATUS FLAGS (3800)
	1...		IOBUSB0	X'80' ATTENTION
	.1..		IOBUSB1	X'40' STATUS MODIFIER
	..1.		IOBUSB2	X'20' CONTROL UNIT END
	...1		IOBUSB3	X'10' BUSY
	.... 1...		IOBUSB4	X'08' CHANNEL END
	.... .1..		IOBUSB5	X'04' DEVICE END
	.... ..1.		IOBUSB6	X'02' UNIT CHECK
	1		IOBUSB7	X'01' UNIT EXCEPTION
13	(D) BITSTRING	1	IOBCSTAT	CSW CHANNEL STATUS FLAGS (3800)
	1...		IOBCSB0	X'80' PROGRAM CONTROL INTERRUPT
	.1..		IOBCSB1	X'40' INCORRECT LENGTH
	..1.		IOBCSB2	X'20' PROGRAM CHECK
	...1		IOBCSB3	X'10' PROTECTION CHECK
	.... 1...		IOBCSB4	X'08' CHANNEL DATA CHECK
	.... .1..		IOBCSB5	X'04' CHANNEL CONTROL CHECK
	.... ..1.		IOBCSB6	X'02' INTERFACE CONTROL CHECK
	1		IOBCSB7	X'01' CHAINING CHECK
14	(E) HEX	2		LAST TWO BYTES OF IOBCSW
16	(10) A-ADDRESS	4	IOBSTART	ADDRESS OF CHANNEL PROGRAM TO BE EXECUTED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
16 (10)	BITSTRING	1	IOBSIOCC	SIO CODE. BITS 2 AND 3 CONTAIN CONDITION CODE RETURNED AFTER EXECUTION OF SIO INSTRUCTION FOR THIS I/O EVENT.
17 (11)	A-ADDRESS	3	IOBSTRTB	ADDRESS OF CHANNEL PROGRAM TO BE EXECUTED
20 (14)	A-ADDRESS	4	IOBDCBPT	ADDRESS OF DCB ASSOCIATED WITH THIS IOB
20 (14)	BITSTRING	1	IOBFLAG4	FLAG BYTE
1...			IOBGDPOL	X'80' RE-ENTER SIO APPENDAGE FOR OLTEP GUARANTEED DEVICE PATH
.1..			IOBCC3WE	X'40' USER REQUESTS THAT IOS POST A X'6D' FOR A CONDITION CODE 3 ON ATTEMPTED I/O OPERATIONS (OS/VS2)
..1.			IOBPMERR	X'20' VTAM SETS THIS BIT ON TO INDICATE TO IOS THAT VTAM SHOULD BE POSTED WITH A PERMANENT I/O ERROR BECAUSE ALL ALTERNATE PATHS TO THE 3705 HAVE BEEN TRIED (OS/VS1)
...1			IOBRSV40	X'10',,C'X' RESERVED
.... 1...			IOBRSV41	X'08',,C'X' RESERVED
.... .1..			IOBRSV42	X'04',,C'X' RESERVED
.... ..1.			IOBJES3I	X'02' JES3 INTERVENTION REQUIRED NOTIFICATION. SETTING THIS BIT WILL RESULT IN TURNING ON BIT IOSPGDPX IN THE IOSB. (OS/VS2)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
....1			IOBRSV44	X'01',,C'X' RESERVED
21	(15) A-ADDRESS	3	IOBDCBPB	ADDRESS OF DCB ASSOCIATED WITH THIS IOB
24	(18) A-ADDRESS	4	IOBRESTR	AFTER SVC 16 (PURGE) QUIESCE ADDRESS OF THE NEXT IOB IN THE PURGE CHAIN. (LAST IOB IN THE CHAIN, BYTE 4 IS FF.) DURING I/O SUPERVISOR WRITE-TO-OPERATOR ROUTINE CONTROL CCHH PART OF THE ADDRESS OF A DEFECTIVE TRACK. DURING I/O ERROR CORRECTION (MEANINGFUL ONLY IF BIT 3 IN THE IOBFLAG1 FIELD IS ON) ADDRESS OF THE CHANNEL PROGRAM USED TO CORRECT AN ERROR CONDITION. AFTER I/O ERROR CORRECTION IF A CHANNEL PROGRAM IS RESTARTED THROUGH A CCW OTHER THAN THE ONE POINTED TO BY THE IOBSTART FIELD, ITS ADDRESS IS HERE.
24	(18) CHARACTER	1	IOBREPOS	DURING I/O ERROR CORRECTION (MEANINGFUL ONLY IF BIT 3 IN THE IOBFLAG1 FIELD IS ON) FOR MAGNETIC TAPE ONLY THE CONTROL COMMAND (BSR,

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				FSR, ERG) REQUIRED TO REPOSITION OVER A BLOCK.
25 (19) A-ADDRESS		3	IOBRSTRB	SAME AS IOBRESTR ABOVE
28 (1C) SIGNED		2	IOBINCAM	QSAM, BSAM, EXCP ACCESS METHOD NORMAL SCHEDULING VALUE USED TO INCREMENT BLOCK COUNT FIELD IN DCB FOR MAGNETIC TAPE. CHAINED SCHEDULING ZEROS. QSAM, BSAM OPERATION CODE OF WRITE CCW WHEN A USASI CONTROL CHARACTER AND NO DATA IS TO BE WRITTEN (PRINTER AND CARD PUNCH ONLY)
28 (1C) BITSTRING		1	IOBBTAMF	FLAG BYTE FOR BTAM
1...			IOBPRMER	X'80' SAD OR ENABLE ISSUED BY OPEN RESULTED IN A PERMANENT I/O ERROR
.1..			IOBINUSE	X'40' THIS IOB IS CURRENTLY IN USE BY AN I/O OPERATION
..1.			IOBRSV14	X'20',,C'X' RESERVED
...1			IOBRSV15	X'10',,C'X' RESERVED
.... 1...			IOBRSV16	X'08',,C'X' RESERVED
.... .1..			IOBRSV17	X'04',,C'X' RESERVED
.... ..1.			IOBRFTMG	X'02' A REQUEST-FOR-TEST MESSAGE RECEIVED FROM A REMOTE 3270 DISPLAY STATION
....1			IOBOLTST	X'01' LINE IS UNDER ON-LINE TEST OPERATION
29 (1D) HEX		1	IOBRSV19	RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
28 (1C)	BITSTRING	1	IOBFL4	FLAG 4 SENSE ERROR COUNTS FOR MAGNETIC DOCUMENT READER (3890) (OS/VS1) OR ERROR CODE PASSBACK BYTE FOR 3895 (FOR ERROR CODE VALUES SEE IBM 3895 DOCUMENT READER/INSCRIBER MACHINE AND PROGRAMMING DESCRIPTION, GA24-3620)
1...			IOBOVR	X'80' OVERRUN ERROR (3890)
.1..			IOBREJ	X'40' COMMAND REJECT ERROR (3890)
..1.			IOBDCK	X'20' DATA CHECK ERROR (3890)
...1			IOBBUS	X'10' BUS-OUT ERROR (3890)
.... 1...			IOBEQP	X'08' EQUIPMENT CHECK ERROR (3890)
.... .1..			IOBENT	X'04' FIRST TIME ENTRY SWITCH (3890)
.... ..1.			IOBRSV47	X'02',,C'X' RESERVED FOR 3890
....1			IOBRSV46	X'01',,C'X' RESERVED FOR 3890

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
28 (1C)	CHARACTER	1	IOBCRDCC	DATA CHECK ERROR COUNT (OPTICAL READER)
29 (1D)	CHARACTER	1	IOBCRILC	INCORRECT LENGTH ERROR COUNT (OPTICAL READER)
30 (1E)	SIGNED	2	IOBERRCT	USED BY I/O SUPERVISOR ERROR ROUTINES TO COUNT TEMPORARY ERRORS DURING RETRY

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

EXTENSION SECTIONS OF THE IOB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
32 (20)	FLOATING	8	IOBEXTEN	DIRECT ACCESS EXTENSION 8 BYTES

| 32 (20) | CHARACTER | 8 | IOBSEEK | A SEEK ADDRESS (IN THE FORMAT MBBCCHHR) USED WITH A CHANNEL PROGRAM |

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32 (20)	CHARACTER	1	IOBM	THE NUMBER OF THE DEB EXTENT TO BE USED FOR THIS REQUEST. THE FIRST EXTENT IS NUMBER 0.
33 (21)	CHARACTER	2	IOBBB	BIN NUMBER(DATA CELL)
33 (21)	CHARACTER	1	IOBBB1	
34 (22)	CHARACTER	1	IOBBB2	
35 (23)	CHARACTER	2	IOBCC	CYLINDER NUMBER
35 (23)	CHARACTER	1	IOBCC1	
36 (24)	CHARACTER	1	IOBCC2	
37 (25)	CHARACTER	2	IOBHH	TRACK NUMBER
37 (25)	CHARACTER	1	IOBHH1	
38 (26)	CHARACTER	1	IOBHH2	
39 (27)	CHARACTER	1	IOBR	RECORD NUMBER

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32 (20)	CHARACTER	1	IOBUCBX	UCB INDEX. THE LINE NUMBER IS USED AS AN INDEX TO LOCATE THE PROPER UCB ADDRESS IN THE DEB.
33 (21)	CHARACTER	5	IOBWORK	WORK AREA USED BY ERROR ROUTINES AND ON-LINE TERMINAL TEST ROUTINES
38 (26)	CHARACTER	1	IOBRCVPT	RECEIVED ACK (ACK-0 OR ACK-1)
39 (27)	CHARACTER	1	IOBSNDPT	SENT ACK (ACK-0 OR ACK-1)

| 40 (28) | CHARACTER | 8 | IOBERCCW | CCW AREA USED BY THE BTAM ERROR RECOVERY ROUTINES |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
48 (30)	CHARACTER	16	IOBERINF	ERROR INFORMATION FIELD USED BY THE BTAM ERROR RECOVERY ROUTINES
64 (40)	FLOATING	8	IOBCPA	CHANNEL PROGRAMS AREA. THE LENGTH DEPENDS ON THE TERMINAL AND THE OPTIONS.
40 (28)	A-ADDRESS	4	IOBCCWAD	FOR FIXED LENGTH RECORDS, ADDRESS OF FIRST CCW OF CHANNEL PROGRAM. FOR VARIABLE LENGTH RECORDS, ADDRESS OF BUFFER, IF DYNAMIC BUFFERING SPECIFIED, AFTER COMPLETION OF A READ FOR UPDATE (READ KU)
44 (2C)	BITSTRING	1	IOBINDCT	INDICATORS
	1...		IOBDEQCP	X'80' DEQUEUE CHANNEL PROGRAM FROM QUEUE
	.1..		IOBUNSCH	X'40' UNSCHEDULED QUEUE
	..1.		IOBOVPTR	X'20' IF 0, DECBAREA + 6 POINTS TO OVERFLOW RECORD DATA. IF 1, DCBMSWA POINTS TO OVERFLOW RECORD KEY FOLLOWED BY DATA.
	...1		IOBKEYAD	X'10' IF 0, DECBKEY POINTS TO OVERFLOW RECORD KEY. IF 1, DCBMSWA + 8 POINTS TO OVERFLOW RECORD KEY.
	.... 1...		IOBRSV27	X'08',,C'X' RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... .1..		IOBRSV28	X'04',,C'X' RESERVED
	.... ..1.		IOBRSV29	X'02',,C'X' RESERVED
	1		IOBCHNNL	X'01' IF 0, NORMAL CHANNEL END HAS OCCURRED. IF 1, ABNORMAL CHANNEL END HAS OCCURRED.
45	(2D) BITSTRING	1	IOBUNSQR	REASON FOR UNSCHEDULED QUEUE
	1...		IOBCPBSY	X'80' CHANNEL PROGRAM CP1 OR CP2 BUSY
	.1..		IOBNTAV1	X'40' NO CP4, CP5 OR CP6 AVAILABLE
	..1.		IOBNTAV2	X'20' NO CP7 AVAILABLE
	...1		IOBKN&R	X'10' WRITE KN IS IN EFFECT (UNSCHEDULED IOB IS FOR WRITE KN)
	.... 1...		IOBKNRWR	X'08' WRITE KN IS IN EFFECT (UNSCHEDULED IOB IS FOR READ OR WRITE KN)
	.... .1..		IOBRSV30	X'04',,C'X' RESERVED
	.... ..1.		IOBRSV31	X'02',,C'X' RESERVED
	1		IOBRSV32	X'01',,C'X' RESERVED
46	(2E) CHARACTER	1	IOBAPP	APPENDAGE CODE
47	(2F) CHARACTER	1	IOBASYN	ASYNCHRONOUS ROUTINE CODE
48	(30) A-ADDRESS	4	IOBFCHAD	FORWARD CHAIN ADDRESS
48	(30) CHARACTER	1	IOBCOUNT	WRITE CHECK COUNTER
49	(31) A-ADDRESS	3	IOBFCHNB	FORWARD CHAIN ADDRESS
52	(34) A-ADDRESS	4	IOBBCHAD	BACKWARD CHAIN ADDRESS
32	(20) CHARACTER	1	IOBUCBXG	UCB INDEX
33	(21) HEX	3	IOBRSV37	RESERVED
36	(24) A-ADDRESS	4	IOBNXTPT	ADDRESS OF NEXT AVAILABLE IOB. SET TO ZERO IF THIS IS LAST IOB.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
36 (24)	BITSTRING	1	IOBSTATA	STATUS INDICATORS
1...			IOBAVLFL	X'80' IF 0, IOB IS AVAILABLE. IF 1, IOB IS NOT AVAILABLE.
.1..			IOBRSV20	X'40',,C'X' RESERVED
..1.			IOBRSV21	X'20',,C'X' RESERVED
...1			IOBRSV22	X'10',,C'X' RESERVED
.... 1...			IOBRSV23	X'08',,C'X' RESERVED
.... .1..			IOBRSV24	X'04',,C'X' RESERVED
.... ..1.			IOBRSV25	X'02',,C'X' RESERVED
....1			IOBRSV26	X'01',,C'X' RESERVED
37 (25)	A-ADDRESS	3	IOBNXTPB	ADDRESS OF NEXT AVAILABLE IOB. SET TO ZERO IF THIS IS LAST IOB
40 (28)	CHARACTER	32	IOBCCW	LIST OF CHANNEL COMMAND WORDS TO TRANSFER DATA
40 (28)	CHARACTER	2	W1IEXTEN	APPENDAGE CODES FOR BOTH NORMAL AND ABNORMAL CHANNEL END CONDITIONS
40 (28)	CHARACTER	2	W1OEXTEN	SAME AS W1IEXTEN ABOVE
40 (28)	SIGNED	2	IOBCBYTR	NUMBER OF UNUSED BYTES REMAINING ON THE TRACK
42 (2A)	SIGNED	2	IOBDIOBS	OVERALL SIZE OF THE IOB
44 (2C)	A-ADDRESS	4	IOBDPLAD	ADDRESS OF THE NEXT IOB IN THE POOL OF IOB'S
44 (2C)	BITSTRING	1	IOBDAYLI	ALL BITS SET TO ZERO INDICATE THE AVAILABILITY OF THIS IOB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
45 (2D)	A-ADDRESS	3	IOBDPLB	ADDRESS OF THE NEXT IOB IN THE POOL OF IOB'S

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
48 (30)	BITSTRING	1	IOBDTYPE	THE TYPE OF REQUEST AND SPECIFIED OPTIONS
1...			IOBVERFY	X'80' VERIFY
.1..			IOBOVFLO	X'40' OVERFLOW
..1.			IOBEXTSC	X'20' EXTENDED SEARCH
...1			IOBFDBCK	X'10' FEEDBACK
.... 1...			IOBACTAD	X'08' ACTUAL ADDRESSING
.... .1..			IOBDYNBF	X'04' DYNAMIC BUFFERING
.... ..1.			IOBRDEXC	X'02' READ EXCLUSIVE
....1			IOBRELBL	X'01' RELATIVE BLOCK ADDRESSING
49 (31)	BITSTRING	1	IOBDTYP2	SECOND BYTE OF OPTIONS AND REQUESTS
1...			IOBSKEY	X'80' KEY ADDRESS CODED AS 'S'
.1..			IOBSBLKL	X'40' BLOCK LENGTH CODED AS 'S'
..11			IOBSUFFX	X'30' IF BITS 2 AND 3 ARE ONE, RU IS SUFFIXED TO THE TYPE, INDICATING THAT THE FEEDBACK ADDRESS IN DECNXADR CAN BE THE ADDRESS OF EITHER THE NEXT DATA RECORD OR THE NEXT CAPACITY RECORD, WHICHEVER OCCURS FIRST. IF BIT 2 IS ZERO AND BIT 3 IS ONE, R IS SUFFIXED TO THE TYPE, INDICATING THAT THE FEEDBACK ADDRESS IN DECNXADR IS THE ADDRESS OF THE NEXT DATA RECORD.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... 1...		IOBRQUST	X'08' IF 1, READ REQUEST. IF 0, WRITE REQUEST.
	.... .1..		IOBTYPE	X'04' IF 1, KEY TYPE. IF 0, ID TYPE.
	.... ..1.		IOBADDTY	X'02' ADD TYPE
	1		IOBRELEX	X'01' RELEX MACRO ISSUED
50	(32) CHARACTER	2	IOBDSTAT	STATUS OF THE I/O REQUEST
50	(32) BITSTRING	1	IOBSTAT1	FLAG BYTE
	1...		IOBABNRM	X'80' ABNORMAL COMPLETION
	.1..		IOBNEWVL	X'40' ON EXTENDED SEARCH, THE NEXT EXTENT IS ON A NEW VOLUME. THE ASI ROUTINE MUST ISSUE THE EXCP MACRO. THE END-OF-EXTENT APPENDAGE CANNOT.
	..1.		IOBSYNCH	X'20' MODULE WAS ENTERED VIA SYNCH
	...1		IOBPASS2	X'10' ON EXTENDED SEARCH, INDICATES TO THE RELATIVE BLOCK CONVERSION ROUTINE THAT THE SECOND PASS OF A TWO-PASS CONVERSION ROUTINE HAS COMPLETED
	.... 1...		IOBENQUE	X'08' FOR EXCLUSIVE CONTROL REQUEST, INDICATES THAT A RECORD HAS BEEN ENQUEUED
	.... .1..		IOBBUFF	X'04' A BUFFER HAS BEEN ASSIGNED TO THIS IOB
	.... ..1.		IOBADDVU	X'02' IOB BEING USED TO ADD A VARIABLE (V) OR UNDEFINED (U) TYPE RECORD TO THE DATA SET

IOB   IOB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
....1			IOBSIORT	X'01' INDICATES TO THE DYNAMIC BUFFERING ROUTINE THAT IT WAS ENTERED FROM, AND IS TO RETURN TO, THE START I/O APPENDAGE MODULE
51 (33)	CHARACTER	1	IOBSTAT2	ERROR CODE FOR ABNORMAL COMPLETION USED AS POST CODE IN ECB
52 (34)	A-ADDRESS	4	IOBDCPND	ADDRESS OF LOCATION WHERE CHANNEL END PROGRAM SHOULD END
56 (38)	SIGNED	2	IOBDBYTN	NUMBER OF BYTES NEEDED ON A TRACK TO WRITE A NEW BLOCK
58 (3A)	HEX	2	IOBRSV34	RESERVED
60 (3C)	A-ADDRESS	4	IOBDQPTR	ADDRESS OF IOB FOR NEXT I/O OPERATION TO BE EXECUTED
64 (40)	HEX	8	IOBRSV35	RESERVED
72 (48)	CHARACTER	8	IOBDNCRF	COUNT FIELD FOR NEW BLOCK
80 (50)	FLOATING	8	IOBCHNPR	CHANNEL PROGRAM USED TO TRANSFER DATA AS REQUESTED BY THE READ OR WRITE MACRO INSTRUCTION STARTS HERE
40 (28)	CHARACTER	8	IOBSEEK2	SEEK FIELD 2
40 (28)	CHARACTER	1	IOBSK2M	EXTENT NUMBER
41 (29)	CHARACTER	2	IOBSK2BB	BIN NUMBER
43 (2B)	CHARACTER	2	IOBSK2CC	CYLINDER NUMBER
45 (2D)	CHARACTER	2	IOBSK2HH	HEAD NUMBER
47 (2F)	CHARACTER	1	IOBSK2R	RECORD NUMBER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
48 (30)	A-ADDRESS	4	IOBBUFC	ADDRESS OF ASSOCIATED BUFFER CONTROL BLOCK
52 (34)	A-ADDRESS	4	IOBREADA	ADDRESS OF FIRST READ CHANNEL PROGRAM SEGMENT THAT HAS NOT BEEN PROCESSED
56 (38)	A-ADDRESS	4	IOBNEXTA	ADDRESS OF NEXT ACTIVE IOB
60 (3C)	A-ADDRESS	4	IOBRDCHP	ADDRESS OF READ CHANNEL PROGRAM
32 (20)	A-ADDRESS	4	IOBERCT	POINTER TO COUNTERS FOR SIO AND TEMPORARY ERRORS
32 (20)	SIGNED	1	IOBUCBXV	UCB INDEX
32 (20)	CHARACTER	1	IOBRTYPE	RECORD TYPE FOR OBR
33 (21)	A-ADDRESS	3	IOBERCTA	POINTER TO COUNTERS FOR SIO AND TEMPORARY ERRORS
36 (24)	A-ADDRESS	4	IOBNAME	POINTER TO TERMINAL NAME
36 (24)	SIGNED	1	IOBNAMSZ	SIZE OF TERMINAL NAME
37 (25)	A-ADDRESS	3	IOBNAMEA	POINTER TO TERMINAL NAME
40 (28)	A-ADDRESS	4	IOBMDREC	POINTER TO RECORD BEING PASSED TO MISCELLANEOUS DATA RECORDER
44 (2C)	A-ADDRESS	4	IOBRCD	POINTER TO QUEUE OF OBR RECORDS PASSED FROM 3705
48 (30)	HEX	1	IOBSENSV	SENSE BYTE SAVE AREA
49 (31)	HEX	7	IOBCSWSV	SAVE AREA FOR LAST 7 BYTES OF CSW

IOB   IOB

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
32	(20)	CHARACTER	4	IOBSKADR	3540 SEEK ADDRESS
32	(20)	HEX	1	IOBSKRV	RESERVED
33	(21)	HEX	1	IOBSKTT	TRACK NUMBER
34	(22)	HEX	1	IOBSK0	MUST BE ZERO
35	(23)	HEX	1	IOBSKSS	SECTOR NUMBER

CROSS REFERENCE

Name	Value	Name	Value
IOB	0 (0)	IOBDBYTR	40 (28)
IOBABAPP	-16 X'04'	IOBDCBPB	21 (15)
IOBABNRM	50 X'80'	IOBDCBPT	20 (14)
IOBACTAD	48 X'08'	IOBDCK	28 X'20'
IOBACU	8 X'10'	IOBDCPND	52 (34)
IOBADDTY	49 X'02'	IOBDEQ	-8 X'80'
IOBADDVU	49 X'02'	IOBDEQCP	44 X'80'
IOBALTTR	1 X'08'	IOBDEQIN	-8 (-8)
IOBAPP	46 (2E)	IOBDIOBS	42 (2A)
IOBASYN	47 (2F)	IOBDNCRF	72 (48)
IOBAVLFL	36 X'80'	IOBDPLAD	44 (2C)
IOBBB	33 (21)	IOBDPLB	45 (2D)
IOBBB1	33 (21)	IOBDQADA	-8 (-8)
IOBBB2	34 (22)	IOBDQADB	-7 (-7)
IOBBCHAD	52 (34)	IOBDQPTR	60 (3C)
IOBBDAM	-8 (-8)	IOBDSTAT	50 (32)
IOBBKSPC	-8 X'08'	IOBDTYPE	48 (30)
IOBBPAHC	-16(-10)	IOBDTYP2	49 (31)
IOBBPAMN	-8 (-8)	IOBDYNBF	48 X'04'
IOBBSAMC	-16(-10)	IOBECBCC	4 (4)
IOBBSAMN	-8 (-8)	IOBECBPB	5 (5)
IOBBTAMF	28 (1C)	IOBECBPT	4 (4)
IOBBUFC	48 (30)	IOBENQUE	50 X'08'
IOBBUFF	50 X'04'	IOBENT	28 X'04'
IOBBUS	28 X'10'	IOBEQP	28 X'08'
IOBCC	35 (23)	IOBERCCW	40 (28)
IOBCCC	8 X'80'	IOBERCT	32 (20)
IOBCCW	40 (28)	IOBERCTA	33 (21)
IOBCCWAD	40 (28)	IOBERINF	48 (30)
IOBCC1	35 (23)	IOBERRCT	30 (1E)
IOBCC2	36 (24)	IOBERRTN	0 X'20'
IOBCC3WE	20 X'40'	IOBEXTEN	32 (20)
IOBCDC	8 X'20'	IOBEXTSC	48 X'20'
IOBCECB	-12 (-C)	IOBFCHAD	48 (30)
IOBCFLG1	-16(-10)	IOBFCHNB	49 (31)
IOBCHNNL	44 X'01'	IOBFCREX	0 X'08'
IOBCHNPR	80 (50)	IOBFDBCK	48 X'10'
IOBCICB	-8 (-8)	IOBFIRST	-8 X'01'
IOBCINOP	-14 (-E)	IOBFLAG1	0 (0)
IOBCMDA	9 (9)	IOBFLAG2	1 (1)
IOBCMDCH	0 X'40'	IOBFLAG3	8 (8)
IOBCNC	8 X'08'	IOBFLAG4	20 (14)
IOBCNOPA	-4 (-4)	IOBFL3	8 (8)
IOBCONOP	-13 (-D)	IOBFL4	28 (1C)
IOBCOUNT	48 (30)	IOBGDPOL	20 X'80'
IOBCPA	64 (40)	IOBGQECB	-4 (-4)
IOBCPBSY	45 X'80'	IOBHALT	1 X'80'
IOBCRDCC	28 (1C)	IOBHH	37 (25)
IOBCRILC	29 (1D)	IOBHH1	37 (25)
IOBCSB0	13 X'80'	IOBHH2	38 (26)
IOBCSB1	13 X'40'	IOBICC	8 X'40'
IOBCSB2	13 X'20'	IOBICL	8 X'02'
IOBCSB3	13 X'10'	IOBINCAM	28 (1C)
IOBCSB4	13 X'08'	IOBINDCT	44 (2C)
IOBCSB5	13 X'04'	IOBINUSE	28 X'40'
IOBCSB6	13 X'02'	IOBIOCSW	9 (9)
IOBCSB7	13 X'01'	IOBIOERR	0 X'04'
IOBCSTAT	13 (D)	IOBJAM	8 X'02'
IOBCSW	9 (9)	IOBJES3I	20 X'02'
IOBCSWSW	49 (31)	IOBKEYAD	44 X'10'
IOBCYCCK	0 X'08'	IOBKNRWR	45 X'08'
IOBDATCH	0 X'80'	IOBKNWR	45 X'10'
IOBDAYLI	44 (2C)	IOBLOG	8 X'01'
IOBDBYTN	56 (38)	IOBM	32 (20)

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IOBSYNCH      50 X'20'
IOBS0B0        2 X'80'
IOBS0B1        2 X'40'
IOBS0B2        2 X'20'
IOBS0B3        2 X'10'
IOBS0B4        2 X'08'
IOBS0B5        2 X'04'
IOBS0B6        2 X'02'
IOBS0B7        2 X'01'
IOBS1B0        3 X'80'
IOBS1B1        3 X'40'
IOBS1B2        3 X'20'
IOBS1B3        3 X'10'
IOBS1B4        3 X'08'
IOBS1B5        3 X'04'
IOBS1B6        3 X'02'
IOBS1B7        3 X'01'
IOBTYPE       49 X'04'
IOBUCBX       32 (20)
IOBUCBXG      32 (20)
IOBUCBXV      32 (20)
IOBUNREL       0 X'02'
IOBUNSCH      44 X'40'
IOBUNSQR      45 (2D)
IOBUPDAT      -8 X'10'
IOBUPERR      -8 X'02'
IOBUSB0       12 X'80'
IOBUSB1       12 X'40'
IOBUSB2       12 X'20'
IOBUSB3       12 X'10'
IOBUSB4       12 X'08'
IOBUSB5       12 X'04'
IOBUSB6       12 X'02'
IOBUSB7       12 X'01'
IOBUSTAT      12  (C)
IOBVERFY      48 X'80'
IOBWORK       33 (21)
IOBWRITE      -8 X'40'
W1IEXTEN      40 (28)
W1OEXTEN      40 (28)
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IOCOM

Common Name: I/O Communications Area
Macro ID: IECDIOCM
DSECT Name: IOCOM
Created by: Contained in nucleus module IECIOSCN
Subpool and Key: Nucleus
Size: 132 bytes
Pointed to by: CVTIXAVL field of the CVT data area
Serialization: None
Function: IOCOM contains addresses of IOS routines.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	UNKNOWN	128	IOCOM	
0 (0)	UNKNOWN	2	IOCVOICT	NUMBER OF VOID ENTRIES
2 (2)	UNKNOWN	2	IOCPGCT	NUMBER OF ACTIVE I/O PURGES
4 (4)	UNKNOWN	4	IOCPST	POST STATUS ENTRY ADDR
8 (8)	UNKNOWN	4	IOCHIO	ADDR OF HIO SUBROUTINE
12 (C)	UNKNOWN	4	IOCCTBL	ADDR OF CHANNEL TABLE
16 (10)	UNKNOWN	4	IOCINT	ADDR OF IECINT: IO SLIH Y30CQLG
20 (14)	UNKNOWN	4	IOCHD160	ADDR OF 160 BYTE BLK FREE QUEUE
24 (18)	UNKNOWN	4	IOCSCOMP	SRB ENTRY TO SMGR COMPRESS
28 (1C)	UNKNOWN	4	IOCSTIO	STARTIO MACRO BRANCH ENTRY TO IOS
32 (20)	UNKNOWN	4	IOCVOID	ADDR OF VECTOR OF IOS DRIVERS
36 (24)	UNKNOWN	4	IOCORMGT	ADDR OF CORE MGMT ENTRY
40 (28)	UNKNOWN	4	IOCIOSCP	ADDR OF IOS CHN PGM AREA
44 (2C)	UNKNOWN	4	IOCPRGID	PURGE DEQ ROUTINE ADDR
48 (30)	UNKNOWN	8	IOCCATLK	CHAN AVAIL. TABLE LOCK
56 (38)	UNKNOWN	8	IOCSYNCH	IOSYNCH LOCK

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
64 (40)	UNKNOWN	4	IOCOMEX	ADDR OF IOCOM EXTENSION
68 (44)	UNKNOWN	4	IOCATTBL	ADDR OF ATTENTION TABLE
72 (48)	UNKNOWN	4	IOCLCHTB	ADDR OF LOGICAL CHANNEL TABLE
76 (4C)	UNKNOWN	4	IOCASYNQ	ADDRESS OF ASYNCHRONOUS QUEUES FOR PAGING I/O
80 (50)	UNKNOWN	4	IOCCCH	ADDRESS OF CCH ROUTINE
84 (54)	UNKNOWN	4	IOCGENA	ADDR OF IOSSGEN SUBROUTIN
88 (58)	UNKNOWN	4	IOCMFHK	ADDR OF TARGET LOCATION OF INSTRUCTION TO ACTI- VATE MF/1
92 (5C)	UNKNOWN	4	IOCMFCNT	ADDR OF ACTUAL INSTR. TO ACTIVATE MF/1
96 (60)	UNKNOWN	4	IOCRSVTB	ADDR. OF DEVICE RESERVE TABLE BUILT BY I/O RSTRT AS A RESULT OF ALT. CPU RECOVERY. FIELD SET AND RESET ONLY UNDER OWNRSHP OF THE 'RESTART' RESOURC
100 (64)	UNKNOWN	4	IOCTCCW	ADDR OF CCW TRANSLATOR
104 (68)	UNKNOWN	4	IOCSVCF	ENTRY POINT OF SVC F
108 (6C)	UNKNOWN	4	IOCIOSEQ	IOS ENQ ROUTINE
112 (70)	UNKNOWN	4	IOCIOSDQ	IOS DEQ ROUTINE
116 (74)	UNKNOWN	4	IOCQCNT	ADDR OF PURGE IPIB QUIESCENT COUNT DECRE- MENT/POST SUBROUTINE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
120 (78)	UNKNOWN	4	IOCUCBBM	ADDR OF DEVICE VALIDITY TABLE (UCB BITMAPS) DCRR 21050
124 (7C)	UNKNOWN	4	IOCPATCH	ADDR OF IOS PATCH AREA
128 (80)	UNKNOWN	0	IOCOEND	END OF IOCOM

IOE

Common Name: ASM PART I/O Request Element
Macro ID: ILRIOE
DSECT Name: IOE
Created by: ILRASRIM
Subpool and Key: 245 and key 0
Size: 16 bytes
Pointed to by: ASMIOEPC field of the ASMVT data area
                PARTCOMQ field of the PART data area
                PARTSPLQ field of the PART data area
                PARTDUPQ field of the PART data area
                PARTLOCQ field of the PART data area
                PAREIOEQ field of the PARTE data area
                PARENODE field of the PARTE data area
                IOENXT field of the IOE data area (next IOE)
Serialization: None
Function: The PART I/O element identifies an ASM I/O
request which is ready to be processed.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) UNKNOWN	16	IOE	I/O REQUEST ELEMENT. INDIVIDUAL READ WRITE FORM FIELDS IDENTIFIED BY 'INDIV' IN COMMENT. SORTED READ FORM FIELDS IDENTIFIED BY 'SORT' IN COMMENT.
0	(0) UNKNOWN	4	IOENXT	INDIV ADDRESS OF NEXT IOE ON READ/WRITE QUEUE
0	(0) UNKNOWN	4	IOENXTLE	SORT LE PATH NODE ADDRESS
4	(4) UNKNOWN	4	IOELSIDA	INDIV DIRECT POINTER TO LSID FIELD IN AIA TO BE FILLED IN BY I/O SUBSYSTEM, THIS FIELD ONLY USED FOR DUPLEXED WRITE OPERATION
4	(4) UNKNOWN	4	IOENXTGT	SORT GT PATH NODE ADDRESS
8	(8) UNKNOWN	4	IOEAIA	INDIV/SORT ADDRESS OF AIA ASSOCIATED WITH THIS IOE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
12	(C) UNKNOWN	4	IOEWORK	INDIV WORK AREA USED BY SLOT SORT
12	(C) UNKNOWN	4	IOEBKPTR	SORT BACK CHAIN POINTER
16	(10) UNKNOWN	0		

IOMB

Common Name: VSAM I/O Management Block
Macro ID: IDAIOMB
DSECT Name: IOMB
Created by: VSAM Open
Subpool and Key: 252, 241, or 231 and key 0
Size: 132 bytes
Pointed to by: PLHDIOB field of the PLH data area
                AMBIOBAD field of the AMB data area
Serialization: IOMLOCK serializes EOV processing.
Function: The IOMB is used by I/O management to control its
processing of an I/O request. In OS/VS2, the combination
of IOMB-IOSB-SRB replaces the IOB, used by the OS/VS I/O
supervisor in previous systems to process requests.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	IOMB	
0	(0) SIGNED	4		
0	(0) HEX	4	IOMBID	IOMB IDENTIFIER
4	(4) SIGNED	4	IOMBUFC	POINTER TO THE FIRST BUFC
8	(8) SIGNED	4	IOMCPA	POINTER TO THE FIRST CPA
12	(C) SIGNED	4	IOMPLH	POINTER TO THE PLH
16	(10) SIGNED	4	IOMAMB	POINTER TO THE AMB
20	(14) SIGNED	4	IOMIQE	POINTER TO THE IQE
24	(18) SIGNED	4	IOMECBPT	POINTER TO THE ECB
28	(1C) SIGNED	4	IOMVSL	POINTER TO THE VIRTUAL SUBAREA LIST
32	(20) SIGNED	4	IOMPGAD	ADDR OF CALLER TO RECEIVE CONTROL ON COMPLETION OF I/O OPERATION (ZEROED FOR RECORD MANAGEMENT)
36	(24) SIGNED	4	IOMIOSB	POINTER TO THE IOSB
40	(28) HEX	3	IOMFLAGS	INTERNAL FLAGS
40	(28) HEX	2	IOMFL	FLAGS TO BE RESET AFTER I/O

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
11..			IOMAPEND	X'C0' ABNORMAL END AND NORMAL END ENTERED
1...			IOMNE	X'80' NORMAL END ENTERED
.1..			IOMAE	X'40' ABNORMAL END ENTERED
..1.			IOMPURGE	X'20' PURGE IN PROGRESS
.... 1...			IOMCBERR	X'08' CONTROL BLOCK VALIDITY ERROR
.... .1..			IOMADERR	X'04' ERROR CONVERTING VPL TO IDAL
.... ..1.			IOMPGFIX	X'02' PAGES FIXED
....1			IOMCSW	X'01' CSW ADDRESS NOT VALID SECOND BYTE OF IOMFL AND IOMFLAGS
1...			IOMDDR	X'80' DYNAMIC DEVICE RECONFIGURATION
.1..			IOMCPRB	X'40' CALLER IN PROBLEM STATE
.... 1...			IOMEEXIT	X'08' END APPENDAGE EXIT BIT
.... .1..			IOMIRBSW	X'04' ASYNCH PROCESSING SCHED THIRD BYTE OF IOMFLAGS
42 (2A) HEX		1	IOMSTIND	ONE BYTE OF STATUS INDICATORS
1...			IOMAMUSE	X'80' IOMB CURRENTLY IN USE
.1..			IOMEOVW	X'40' EOV WAITING FOR IOMB
..1.			IOMEOVTS	X'20' EOV HAS SET IOMLOCK
...1			IOMEOVXC	X'10' END OF VOLUME INDICATOR
.... 1...			IOMLLOCK	X'08' LOCAL LOCK HELD
.... .1..			IOMSLOC	X'04' SALLOC HELD
.... ..1.			IOMSRBM	X'02' USER IN SRB MODE
....1			IOMSR	X'01' SUSPEND/RESUME INDICATOR
43 (2B) HEX		1	IOMCKEY	USER KEY SAVED FOR APPENDAGE USE

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
44	(2C)	HEX	1	IOMPFERR	RETURN CODE FROM PAGEFIX
45	(2D)	HEX	1	IOMLOCK	END OF VOLUME LOCK
46	(2E)	SIGNED	2	IOMNMOD	NUMBER OF MODULES TO BE FIXED
48	(30)	SIGNED	2	IOMNBUF	NUMBER OF BUFFERS
50	(32)	SIGNED	2	IOMNSEG	NUMBER OF CHANNEL PROGRAM SEGMENTS
52	(34)	CHARACTER	64	IOMSAVER	16 WORD SAVE AND WORK AREA
52	(34)	SIGNED	4	IOMSAVE0	
56	(38)	SIGNED	4	IOMSAVE1	
60	(3C)	SIGNED	4	IOMSAVE2	
64	(40)	SIGNED	4	IOMSAVE3	
68	(44)	SIGNED	4	IOMSAVE4	
72	(48)	SIGNED	4	IOMSAVE5	
76	(4C)	SIGNED	4	IOMSAVE6	
80	(50)	SIGNED	4	IOMSAVE7	
84	(54)	SIGNED	4	IOMSAVE8	
88	(58)	SIGNED	4	IOMSAVE9	
92	(5C)	SIGNED	4	IOMSAVEA	
96	(60)	SIGNED	4	IOMSAVEB	
100	(64)	SIGNED	4	IOMSAVEC	
104	(68)	SIGNED	4	IOMSAVED	
108	(6C)	SIGNED	4	IOMSAVEE	
112	(70)	SIGNED	4	IOMSAVEF	
116	(74)	SIGNED	4	IOMNXT1	POINTER TO NEXT IOMB ON CHAIN
120	(78)	SIGNED	4	IOMUFLD	USER FIELD-PTR TO IDAIOMBX FOR RM
124	(7C)	SIGNED	4	IOMSRBP	ADDRESS OF SUSPENDED RB
128	(80)	SIGNED	4	IOMSTCB	TCB FOR SUSPENDED RB

IOQ

Common Name: IOS Queue Element
Macro ID: IECDIOQ
DSECT Name: IOQ
Created by: IECIOSCN IOS
Subpool and Key: 245 and key 0
Size: 20 bytes
Pointed to by: LCHFST field of the LCH data area
                UCBIOQ field of the UCB data area
                IOQLINK field of the IOQ data area (next IOQ)
Serialization: When pointed to by the LCH: the LCH lock
                When pointed to by the UCB: the UCB lock
Function: Provides the queuing element necessary to enqueue
and dequeue I/O requests on a logical channel queue table
(LCH).

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	IOQ	
0	(0) A-ADDRESS	4	IOQLNK	LINK FIELD
4	(4) HEX	1	IOQFLA	IOQ FLAG BYTE A
1...			IOQSLCH	X'80' IOQ ASSOC WITH A SENSE LCH
.1..			IOQENQ	X'40' IOQ IS ENQUEUED
..1.			IOQLBSY	X'20' UPDATE LCHLGBSY COUNTER
...1			IOQPBSY	X'10' UPDATE LCHPYBSY COUNTER

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EQU	X'08'	RESERVED	
EQU	X'04'	RESERVED	
EQU	X'03'	RESERVED	
5	(5) HEX	1	IOQFLB	IOQ FLAG BYTE B /
1...			IOQRESV	X'80' RESERVE FLAG
.1..			IOQRLSE	X'40' RELEASE FLAG
..11 11..			IOQALOC	X'3C' ALLOCATED IND TO IECVSMGR
.... ..1.			IOQHOLD	X'02' 3330V REQUEST HELD

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
EQU	X'01'		RESERVED	
6 (6)	HEX	1	IOQPRI	PRIORITY
7 (7)	HEX	1	IOQPTH	CURRENT PATH MASK
8 (8)	A-ADDRESS	4	IOQIOSB	ADDRESS OF IOSB

IORB

Common Name: I/O Request Block
Macro ID: ILRIORB
DSECT Name: IORB
Created by: ILROPS00
Subpool and Key: 245 and key 0
Size: 48 bytes
Pointed to by: PAREIORB field of the PARTE data area
SREIORB field of the SARTE data area
IORIORB field of the IORB data area
Serialization: The IORB is serialized via the in-use flag,
IORFUSE, which is "on" while the IORB is in use.
Function: Used by ASM to track I/O requests. It contains a
pointer to a save area for IOS to use, as well as pointers
to other control blocks.

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
0	(0)	UNKNOWN	40	IORB	IORB
0	(0)	UNKNOWN	1	IORID	IORB IDENTIFIER X'88'
1	(1)	UNKNOWN	1	IORNUM	NO. OF IORBS FOR PAGE SPACE
2	(2)	UNKNOWN	1	IORRQSZ	NUMBER OF PCCWS THIS REQUEST
3	(3)	UNKNOWN	1	IORFLGS	INTERNAL FLAGS
		1...		IORFUSE	X'80' = IORB IN USE
		.1..		IORFRPS	X'40' = RPS DEVICE
		..11			RESERVED
		.... 1...		IORSWAP	SWAP DATA SET FLAG 1 = IORB FOR SWAP DATA SET 0 = IORB FOR PAGE DATA SET
		.... .111		IORAPND	APPENDAGE FLAGS
		.... .1..		IORFDI	DIE COMPLETED
		.... ..1.		IORFNE	NORMAL END COMPLETED FLAG
		1		IORFAE	ABNORMAL END COMPLETED FLAG
4	(4)	UNKNOWN	4	IORIORB	POINTER TO NEXT IORB
8	(8)	UNKNOWN	4	IORPCCW	POINTER TO FIRST PCCW
8	(8)	UNKNOWN	4	IORSCCW	POINTER TO FIRST SCCW
12	(C)	UNKNOWN	4	IORIOSB	IOSB ADDRESS
16	(10)	UNKNOWN	4	IORSAVE	POINTER TO 18 WORD SAVE AREA

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
20 (14)	UNKNOWN	4	IORERR	POINTER TO PCCW IN ERROR
24 (18)	UNKNOWN	8	IORTSMP	ILRSRT TOD STAMP
32 (20)	UNKNOWN	4	IORPARTE	POINTER TO PARTE
36 (24)	UNKNOWN	4	IORRSV	RESERVED
40 (28)	UNKNOWN	0		

IOSB

Common Name: IOS (I/O Supervisor) Block
Macro ID: IECDIOSB
DSECT Name: IOSB
Created by: IOSDRIVERS
Subpool and Key: Any
Size: 108 bytes
Pointed to by: IOQIOSB field of the IOQ data area
              RQESRB field of the RQE data area
              SRBPARM field of the SRB data area
Serialization: None
Function: The IOSB is used by the OS/VS2 I/O supervisor to
initiate and terminate an I/O operation. It is used to
communicate between the I/O supervisor and the requestor
of an I/O service, between an ERP and write-to-operator and
statistics-update modules, and among the components of the
I/O supervisor. It is also used to control successive
entries from the I/O supervisor to an ERP.

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
0	(0)	STRUCTURE	0	IOSB	
0	(0)	SIGNED	4		
0	(0)	HEX	1	IOSFLA	FLAG BYTE A

BIT DEFINITIONS FOR IOSFLA
   EQU   X'00'   NO CCW CHAINING

1...	IOSDCHN	X'80' DATA CHAINING
.1..	IOSCCHN	X'40' COMMAND CHAINING
11..	IOSACHN	X'C0' COMMAND AND DATA CHAINING
..1.	IOSERR	X'20' ERROR ROUTINE IN CONTROL MUST BE SET TO ZERO BY DRIVER IF ERP RETURNS WITH THIS BIT ON, A RETRY IS ASSUMED. IF ERP RETURNS WITH THIS BIT OFF, THE ERROR IS CONSIDERED PERMANENT OR CORRECTED DEPENDING ON THE SETTING OF IOSEX.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
....1			IOSIOSB	X'01' IOSB CREATED BY I/O SUPERVISOR MUST BE SET TO ZERO BY DRIVER
1 (1) HEX		1	IOSFLB	FLAG BYTE B

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BIT DEFINITIONS FOR IOSFLB

1...			IOSDIESE	X'80' SECOND ENTRY TO DIE
.1..			IOSSDR	X'40' ERP DOESNT WANT OBR
..1.			IOSFLB2	X'20' RESERVED
...1			IOSFLB3	X'10' RESERVED
.... 1...			IOSFLB4	X'08' RESERVED
.... .1..			IOSMSG	X'04' MESSAGE INDICATOR 0 = INTERVENTION REQUIRED MSG 1 = I/O ERROR MESSAGE
.... ..1.			IOSBDCST	X'02' BROADCAST BIT
....1			IOSLOG	X'01' CREATE AN OBR RECORD
2 (2) HEX		1	IOSFLC	DEVICE DEPENDENT ERP FLAGS

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BIT DEFINITIONS FOR IOSFLC

1...			IOSDVMNT	X'80' DAVV ISSUED MOUNT
.1..			IOSDVALT	X'40' ALTERNATE TRACK PROCESSING BY DAVV (DA)
.1..			IOSVERIF	X'40' UNSOLICITED DEVICE END VERIFI- CATION NEEDED (NON-DA)
..1.			IOSCC3WE	X'20' GDP REQ'RS CC3 POST OF X6D
...1			IOSTP	X'10' NO SPECIAL CC3 HANDLING TOBEFLGED
.... 11..			IOSRWAIT	X'0C' RESTARTABLE WAIT REASON
....			IOSRWVID	X'00' 00--WRONG VOL ID

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... .1..		IOSRWIR	X'04' 01--INTERVENTION REQUIRED
	.... 1...		IOSRWCC3	X'08' 10--CONDITION CODE 3
	.... 11..		IOSRWERR	X'0C' 11--READ ERROR FOR LABEL
	.... ..1.		IOSCTCNR	X'02' CTC NO RETRY ALLOWED
	1		IOSFLC7	X'01' RESERVED
3	(3) HEX	1	IOSPROC	THIS BYTE INDICATES WHAT TYPE OF SPECIAL PROCESSING IS TO BE PERFORMED BY IOS COM-PONENTS OPERATING ASYNCHRON- OUS TO MAINLINE MUST BE SET TO ZERO BY DRIVER

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SPECIAL PROCESSING INDEXES ASSIGNED TO IOSPROC

EQU	X'00'			RESERVED
	.... .1..		IOSAPCI	X'04' PCI
	.... 1...		IOSATTN	X'08' ATTENTION
	.... 11..		IOSAPURG	X'0C' PURGE
	...1		IOSADAVV	X'10' DAVV
	...1 .1..		IOSAWTO	X'14' WTO
	...1 1...		IOSADDR	X'18' DDR
	...1 11..		IOSACRH	X'1C' CHANNEL RECONFIGURATION HARD Y30CQLG

4	(4) HEX	1	IOSDVRID	DRIVER IDENTIFICATION VALUE
	....		IOSIOSID	X'00' RESERVED FOR IOS
	1		IOSMISID	X'01' MISCELLANEOUS ID FOR I/O RE-QUESTS THAT CANNOT BE PURGED, ASSOCIATED WITH A TASK, OR VIOLATE EXTENTS
	.... ..1.		IOSXCPID	X'02' EXCP
	11		IOSVSAID	X'03' VSAM
	.... .1..		IOSATHID	X'04' VTAM
	.... .1.1		IOSTCMID	X'05' TCAM
	.... .11.		IOSOLTID	X'06' OLTEP

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... .111		IOSFCHID	X'07' PCI FETCH
	.... 1...		IOSJESID	X'08' JES3
	.... 1..1		IOSSS1ID	X'09' SS1/DSM
	.... 1.1.		IOSPRGID	X'0A' IECVIOPM PURGE
	.... 1.11		IOSVPSID	X'0B' VPSS
5	(5) HEX	1	IOSPRLVL	THE PRIOITY LEVEL AT WHICH THE ADDRESS SPACE IS TO BE SCHED- ULED, 0 OR 4
6	(6) SIGNED	2	IOSASID	ADDRESS SPACE IDENTIFICATION OF ADDRESS SPACE TO BE SCHEDULED AT TERMINATION OF I/O REQUEST
8	(8) A-ADDRESS	4	IOSPGAD	PROGRAM ADDRESS TO BE DISPATCHED
12	(C) HEX	1	IOSPKEY	PROTECT KEY OF IOSPGAD

EQU   X'F0'   PROTECT KEY

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	.... 1...		IOSLCL	X'08' ASID SCHEDULE AT LOCAL LEVEL
	.... .1..		IOSIDR	X'04' ASYNCHRONOUS ERP SCHEDULING SHOULD BE USED FOR THIS REQUEST (INDIRECT RECORDING FOR PAGING I/O).
	.... ..1.		IOSPGDPX	X'02' THIS REQUEST HAS A BACKED UP COPY (DUPLEXED PAGE).
	1		IOSPKY7	X'01' RESERVED
13	(D) HEX	1	IOSCOD	I/O COMPLETION CODE USED AS TEMPORARY SAVE FOR SYSTEM MASK BY CHAN. SCHEDLR.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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COMPLETION CODES 41 - 5F ARE RESERVED FOR PERMANENT ERROR
CONDITIONS. THESE CODES WILL ALWAYS BE LAST ENTRY CODES
TO ABNORMAL EXITS.
COMPLETIONS CODES 60 - 73 ARE RESERVED FOR IOS USE.
COMPLETION CODES 74 - 7E DENOTE ABNORMAL CONDITIONS FOR
WHICH CORRECTION MAY BE POSSIBLE. THESE CODES DENOTE FIRST
ENTRY TO ABNORMAL EXITS.
COMPLETION CODE DEFINITION

OFFSETS	TYPE	NAME	DESCRIPTION
.111 ...1		IOSFTCHC	X'71' HARDWARE CORRECTED DATA CHECK FOR FETCH
.111 .1..		IOSMIHC	X'74' THE I/O REQUEST HAS BEEN ROUTED TO I/O RESTART BY CCH, ALTERNATE CPU RECOVERY, OR MISSING INTERRUPT HANDLER FOR PROCESSING.
.111 111.		IOSFINTC	X'7E' INTERCEPT CONDITION BEFORE EN-TRANCE TO ERROR ROUTINE
.111 1111		IOSNRMC	X'7F' NORMAL COMPLETION
.11. 11.1		IOSGDPWE	X'6D' POST STATUS GOTO ABE & ERP
.1.. ...1		IOSERRC	X'41' PERMANENT I/O ERROR
.1.. ..1.		IOSEXTC	X'42' EXTENT ERROR
.1.. ..11		IOSDPXC	X'43' DUPLEXED I/O REQUEST WAS NOT STARTED BECAUSE OF A QUIESCED OR NOT READY DEVICE
.1.. .1..		IOSINTC	X'44' REQUEST WAS INTERCEPTED BE- CAUSE A PERMANENT ERROR OCCUR-RED THE LAST TIME THE DEVICE WAS USED.
.1.. .1.1		IOSABNC	X'45' I/O REQUEST ABNORMALLY TERM- INATED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				BECAUSE OF PROGRAM CHECK MACHINE CHECK, ETC. IN IOS OR APPENDAGE
.1.. .11.			IOSCD46	X'46' RESERVED
.1.. .111			IOSCD47	X'47' RESERVED
.1.. 1...			IOSPRGC	X'48' PURGED REQUEST
.1.. 1..1			IOSCD49	X'49' RESERVED
.1.. 1.11			IOSTAPEC	X'4B' ERROR IN TAPE REPOSITIONING
.1.. 11..			IOSIVEXP	X'4C' INVALID EXPOSURE NUMBER
.1.. 11.1			IOSGDPCC	X'4D' CC=3 GDP OR NIP IN CONTROL
.1.. 111.			IOSGDPRD	X'4E' GDP RESERVED DEVICE OR IN CONJUNCTION WITH IOSRELSE, DEVICE CANNOT BE RELEASED.
.1.. 1111			IOSGDPCO	X'4F' GDP CPU OFFLINE
.1.1			IOSCD50	X'50' RESERVED
.1.1 ...1			IOSMIHCA	X'51' THE I/O REQUEST HAS BEEN DE-CLARED IN PERMANENT ERROR AFTER ERP PROCESSING AND I/O RESTART
14	(E) HEX	1	IOSOPT	OPTIONS BYTE

BIT DEFINITIONS FOR IOSOPT

1...			IOSBYP	X'80' BYPASS IOS CHANNEL PRGM PREFIX
.1..			IOSDEP	X'40' DEVICE END POSTING REQUESTED
..1.			IOSQISCE	X'20' THIS REQUEST INITIATED BY FUNCTION WHICH HAS QUISCED THE DEVICE
...1			IOSPSLL	X'10' ON = LOCAL LOCK NOT WANTED FOR POST STATUS PROCESSING OFF = LOCAL LOCK WANTED
.... 1...			IOSNERP	X'08' IBM ERPS NOT TO BE USED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... .1..			IOSTSLL	X'04' ON = LOCAL LOCK NOT WANTED BY TERMINATION ROUTINE OFF = LOCAL LOCK WANTED BY TERMINATION ROUTINE IF IOSPSLL IS ALSO OFF
.... ..1.			IOSAPR	X'02' ALTERNATE PATH RETRY ACTIVE MUST BE SET TO ZERO BY DRIVER
....1			IOSRELSE	X'01' STAND ALONE RELEASE CCW ISSUED BY IOS
15	(F) HEX	1	IOSOPT2	SECOND OPTION BYTE

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BIT DEFINITIONS FOR IOSOPT2

1...			IOSHTP	X'80' ELIGIBLE FOR SHOULDER TAP
.111 1111			IOSOPT2X	X'7F' RESERVED BITS (CURRENTLY UNUSED)

| 16 | (10) A-ADDRESS | 4 | IOSUCB | UNIT CONTROL BLOCK ADDRESS |

20	(14) HEX	1	IOSCC	SIO CONDITION CODE
..11			IOSCC3	X'30' CONDITION CODE 3
..1.			IOSCC2	X'20' CONDITION CODE 2
...1			IOSCC1	X'10' CONDITION CODE 1
....			IOSCC0	X'00' CONDITION CODE 0
21	(15) HEX	7	IOSCSW	LOW ORDER 7 BYTES OF CSW
21	(15) A-ADDRESS	3	IOSCSWCA	COMMAND ADDRESS

| 24 | (18) HEX | 2 | IOSTATUS | CSW STATUS BYTES |

| 24 | (18) HEX | 1 | IOSTSA | DEVICE STATUS BYTE OF CSW |
| 25 | (19) HEX | 1 | IOSTSB | CHANNEL STATUS BYTE |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
26 (1A)	HEX	2	IOSCSWRC	RESIDUAL COUNT
28 (1C)	A-ADDRESS	4	IOSSRB	BACK POINTER TO SRB
32 (20)	A-ADDRESS	4	IOSUSE	USER FIELD
36 (24)	A-ADDRESS	4	IOSRES4A	RESERVED
40 (28)	HEX	2	IOSAPMSK	EXCLUSIVE PATH MASK FOR APR MUST BE SET TO ZERO BY DRIVER
42 (2A)	SIGNED	2	IOSSNS	SENSE DATA X'10FE' VALUE SUPPLIED FOR UNSUCCESSFUL SENSE
44 (2C)	A-ADDRESS	4	IOSIPIB	IOS/PURGE INTERFACE BLK ADDRESS MUST BE SET TO ZERO UPON IN- ITIAL ENTRY AND NOT TO BE RESET BY EXITS. OR, CHAIN PTR FOR PCI SRB/IOSBS
48 (30)	A-ADDRESS	4	IOSPCHN	PTR TO ENDING STATUS IOSB FOR PCI SRB/IOSBS PTR TO FIRST PCI SRB/IOSB FOR ENDING STATUS IOSB
52 (34)	A-ADDRESS	4	IOSERP	ERP DYNAMIC WORKAREA ADDRESS MUST BE SET TO ZERO BY DRIVER
56 (38)	A-ADDRESS	4	IOSPCI	PCI EXIT ADDRESS
60 (3C)	A-ADDRESS	4	IOSNRM	NORMAL EXIT ADDRESS
64 (40)	A-ADDRESS	4	IOSABN	ABNORMAL EXIT ADDRESS
68 (44)	A-ADDRESS	4	IOSDIE	DISABLED INTERRUPT EXIT ADDRESS
	1...		IOSNOTRS	X'80' 1 = DRIVER WANTS NO TRAS ON ENTRY TO DIE. 0 = NORMAL TRAS/DIE LINK

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
					NOTE: THIS BIT MUST BE ZERO IF DIE ADDRESS ZERO.
72	(48)	A-ADDRESS	4	IOSRST	REAL ADDRESS OF REAL CHANNEL PROGRAM
76	(4C)	A-ADDRESS	4	IOSVST	VIRTUAL ADDR OF REAL CHNNL PROG
80	(50)	A-ADDRESS	4	IOSDSID	DATA SET IDENTIFIER FOR PURGE
84	(54)	HEX	1	IOSRSS1B	RESERVED
85	(55)	HEX	1	IOSAFF	CPU AFFINITY INDICATOR FOR GUARANTEED DEVICE PATH
86	(56)	HEX	2	IOSPATH	PATH SPECIFICATION FOR GUAR-ANTEED DEVICE PATH OR SPE-CIFIC EXPOSURE REQUESTED
86	(56)	HEX	1	IOSCHN	
	1...			IOSGDP	X'80' GUARANTEED DEVICE PATH
	.1..			IOSEXP	X'40' SPECIFIC EXPOSURE REQUESTED
	..1.			IOSPATH2	X'20' RESERVED
	...1			IOSPATH3	X'10' RESERVED

EQU X'0F'   CHANNEL NUMBER

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
87	(57)	HEX	1	IOSCUDEV	CONTROL UNIT/DEVICE ADDRESS
	1111			IOSCU	X'F0' CONTROL UNIT
	 1111			IOSDEV	X'0F' DEVICE
88	(58)	HEX	1	IOSFMSK	MODE SET/FILE MASK
89	(59)	HEX	1	IOSCKEY	PROTECT KEY OF CHANNEL PROGRAM

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
EQU	X'F0'			PROTECT KEY
`.... 1...`			IOSCKEY4	X'08' RESERVED
`.... .1..`			IOSCKEY5	X'04' RESERVED
`.... ..1.`			IOSCKEY6	X'02' RESERVED
`.... ...1`			IOSCKEY7	X'01' RESERVED
90	(5A) HEX	1	IOSMDB	ERP IMMEDIATE CCW OP CODE
91	(5B) HEX	1	IOSMDM	ERP MODIFIER MASK
92	(5C) CHARACTER	8	IOSEEK	STATIC SEEK ADDRESS
100	(64) CHARACTER	8	IOSEEKA	DYNAMIC SEEK ADDRESS
100	(64) HEX	1	IOSSKM	M
101	(65) HEX	2	IOSSKBB	BB
103	(67) HEX	2	IOSSKCC	CC
105	(69) HEX	2	IOSSKHH	HH
105	(69) HEX	1	IOSSKH1	H
106	(6A) HEX	1	IOSSKH2	H
107	(6B) HEX	1	IOSSKR	R
44	(2C) HEX	24	IOSATTSN	ADDITIONAL SENSE IF ANY
68	(44) HEX	16		ADDITIONAL SENSE IF ANY
84	(54) HEX	24	IOSATTWA	ATTN ROUTINE WORK AREA
44	(2C) HEX	2	IOSWTOCH	ADDR CC=3 OCCURRED ON
46	(2E) HEX	1	IOSWTOCP	CPU CC=3 OCCURRED ON
47	(2F) HEX	1	IOSWTOPT	PATH INDICATOR FOR CC=3
48	(30) HEX	60	IOSWRMDR	REMAINDER OF WTO WORK AREA
44	(2C) A-ADDRESS	4		SAME AS IOSIPIB. MUST NOT BE CHANGED
48	(30) A-ADDRESS	4		SAME AS IOSPCHN. MUST NOT BE CHANGED
52	(34) HEX	32	IOSPCIRS	PCI RESERVED AREA
84	(54) HEX	1	IOSPCIWA	PCI WORK AREA

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1	(1) HEX	1	IPIBDVID	DRIVER ID FOR DSID PURGE DCRR 21082 DEFAULT VALUE OF X'00' DCRR 21082 IMPLIES EXCP DCRR 21082
2	(2) HEX 1...	1	IPIBFLG1 IPIBDQ	FLAG BYTE X'80' INDICATES PURGEDQ ISSUED BY IGC0001F
3	(3) HEX	1		RESERVED
4	(4) A-ADDRESS	4	IPIBCNT	COUNT OF I/O REQUESTS TO BE COMPLETED. DECREMENTED BY IOS DRIVERS WHEN I/O EVENT COMPLETES
8	(8) A-ADDRESS	4	IPIBECB	ECB TO BE POSTED WHEN IPIBCNT GOES TO ZERO. PURGE WAITS ON THIS ECB WHEN THE COUNT IS ESTABLISHED.
12	(C) A-ADDRESS	4	IPIBARG	PURGE ARGUMENT. IF ASID PURGE, THE RIGHT TWO BYTES CONTAIN THE ASID OF THE ASID BEING PURGED AND THE LEFT TWO BYTES CONTAIN THE SIGN BIT OF THE ASID. IF TCB PURGE, THEN THE TCB ADDRESS.
16	(10) A-ADDRESS	4	IPIBSRB	POINTER TO FIRST SRB ON CHAIN OF SRBS THAT HAVE BEEN COL- LECTED FOR RETURN TO THE APPROPRIATE DRIVER OF THE CHANNEL SCHEDULER.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
20 (14)	A-ADDRESS	4	IPIBIO	POINTER TO I/O REQUEST CHAIN RETURNED TO PURGE FOR PLACE- MENT ON THE PIRL.
24 (18)	A-ADDRESS	4	IPIBDVRU	POINTER TO ADDITIONAL INFOR- MATION THE DRIVER MAINTAINS INSURE TO THE PROPER RESTOR- ATION OF ITS QUEUE OF I/O REQUESTS (E.G. PROTECT KEYS TCB ADDRESSES ETC)
28 (1C)	A-ADDRESS	4	IPIBPIRL	POINTER TO PIRL FOR THIS PURGE REQUEST.
32 (20)	A-ADDRESS	4	IPIBPSQ	POINTER TO CHAIN OF I/O RE- QUESTS INVOLVED WITH THIS PURGE FOUND BY ROUTINES RUN- NING ASYNCHRONOUSLY WITH THE PURGE ROUTINE (E.G. THE IN- TERRUPT HANDLER).
36 (24)	A-ADDRESS	4	IPIBLNK	MAY BE A MAX OF 2 IPIBS/ASID@ IF SO, THIS POINTS TO 2ND IPIB WHICH MUST BE A HALT OR = 0

IQE

Common Name: Interruption Queue Element
Macro ID: IHAIQE
DSECT Name: IQE
Created by: Caller of stage 2 exit effector
Subpool and Key: User subpool and key
Size: 24 bytes
Pointed to by: ASXBFIQE field of the ASXB data area
                ASXBLIQE field of the ASXB data area
                IQELINK field of the IQE data area
                RBIQE field of the IRB data area (first IQE)
                TAXELNK field of the TAXE data area (next
                 IQE)
                TAXEIQE field of the TAXE data area (next
                 available IQE)
                TCBIQE field of the TCB data area (EXTR
                 scheduling IQE)
Serialization: LOCAL lock
Function: Represents request to schedule an asynchronous
exit routine via an IRB.

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
0	(0)	STRUCTURE	0	IQESECT	, IQEPTR
0	(0)	A-ADDRESS	4	IQELNK	WORD REFERENCE FOR IQELNKA
0	(0)	BITSTRING	1	IQESTAT1	1 BYTE RESERVED
1	(1)	A-ADDRESS	3	IQELNKA	ADDR NEXT IQE
4	(4)	A-ADDRESS	4	IQEPARAM	PARMS TO BE PASSED TO ASYN EXIT RTN.
8	(8)	A-ADDRESS	4	IQEIRB	WORD REFERENCE FOR IQEIRBA
8	(8)	BITSTRING	1	IQEFLAGS	FLAG FIELD
		1...		IQEPURGE	X'80' THIS IQE MUST NOT BE SCHEDULED
9	(9)	A-ADDRESS	3	IQEIRBA	ADDR IRB TO BE SCHEDULED
12	(C)	A-ADDRESS	4	IQETCB	WORD REFERENCE FOR IQETCBA
12	(C)	BITSTRING	1	IQESTAT2	1 BYTE RESERVED
13	(D)	A-ADDRESS	3	IQETCBA	ADDR TCB ASSOCIATED WITH THIS IQE

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION

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THE FOLLOWING IS IN BEHALF OF S.M.F.

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
16	(10)	A-ADDRESS	4	IQEDCB	ADDR OF DCB
20	(14)	A-ADDRESS	4	IQEOUTLM	ADDR OF OUTPUT LIMIT
24	(18)	CHARACTER	1	IQEEND	END OF IQE

IRT

Common Name: IOS (I/O Supervisor) Recovery Table
Macro ID: IECDIRT
DSECT Name: None
Created by: IEAVNIPO, NIP
Subpool and Key: 245 and key 0
Size: 128 bytes/processor
Pointed to by: LCCAIRT field of the LCCA data area
Serialization: Disablement, one IRT per processor
Function: Contains tracking information pertaining to the status of an I/O operation and its established environment as it is processed by the subroutines of the I/O supervisor's main module IECIOSCN. Shows what the I/O supervisor is doing: what IOS routine, if any, is active in the processor, and in some cases, what IOS routine gave it control; what locks are held; the addresses of data areas currently locked. Also, used by IOS routines to save the return addresses of calling routines.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	FLOATING	8	IRT	

THIS MACRO DSECT DESCRIBES THE IOS RECOVERY TABLE.
THE TABLE IS RELATED TO A CPU AND IS LOCATED IN THE
LCCA.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	HEX	1	IRTFLA	FLAG BYTE A
1...			IRTULCK	X'80' UCB LOCK HELD
.1..			IRTLLCK	X'40' LCH LOCK HELD
..1.			IRTSLCK	X'20' SYNCH LOCK HELD
...1			IRTCLCK	X'10' CAT LOCK HELD
.... 1...			IRTALCK	X'08' SALLOC LOCK HLED
.... .1..			IRTIOQA	X'04' AN IOQ IS ACTIVE
.... ..1.			IRTSLISN	X'02' RECOVERY SENSE INDICATOR

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
6 (6)	HEX	1	IRTCMRST	RESTART INDICATOR SET BY CHAN SCHEDULER WHEN ENTERED. SET IN THE OTHER CPU WHEN SHLDER TAP IS TO BE DONE. FF = IOS ACTIVE AND RESTART CAN BE DONE VIA RESTART ROUTINE 00 = IOS NOT ACTIVE. SHLDER TAP TO BE USED TO RESTRT
7 (7)	HEX	1		RESERVED
8 (8)	A-ADDRESS	4	IRTUCB	ADDRESS OF LOCKED UCB
12 (C)	A-ADDRESS	4	IRTLCH	ADDRESS OF LOCKED LCH
16 (10)	A-ADDRESS	4	IRTIOQ	ADDRESS OF ACTIVE IOQ
20 (14)	A-ADDRESS	4	IRTCHNL	CURRENT CHANNEL USED BY TCH
24 (18)	A-ADDRESS	4	IRTNIOQ	SAVED ADDRESS OF NEXT IOQ
28 (1C)	A-ADDRESS	4	IRTPSTSV	IOQ SAVE AREA USED BY CHANNEL SCHEDULER
32 (20)	A-ADDRESS	4	IRTCHMSK	RESTART CHANNEL MASK THIS CPU
40 (28)	FLOATING	8	IRTRTNSV	USED BY CHAN SCHED AND SHLDR TAP FOR REG 13 AND 14 SAVE
48 (30)	A-ADDRESS	4	IRTTCHSV	TCH ROUTINE LINK SAVE
52 (34)	A-ADDRESS	4	IRTDDSV	DEVICE DEPENDENT SIO SUBROUTINE
56 (38)	A-ADDRESS	4	IRTSIOSV	POST SIO LINK SAVE
60 (3C)	A-ADDRESS	4	IRTSTASV	STATUS ROUTINE LINK SAVE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
64 (40)	A-ADDRESS	4	IRTRSTSV	RESTART ROUTINE LINK SAVE
68 (44)	A-ADDRESS	4	IRTDIESV	DIE ROUTINE LINK SAVE
72 (48)	A-ADDRESS	4	IRTSENSV	SENSE ROUTINE LINK SAVE
76 (4C)	A-ADDRESS	4	IRTPCISV	PCI ROUTINE LINK SAVE
80 (50)	A-ADDRESS	4	IRTPRGSV	CHECK PURGE ROUTINE LINK SAVE
84 (54)	A-ADDRESS	4	IRTCSME	SAVED CHANNEL SEARCH MODULE TABLE ENTRY ADDRESS
88 (58)	A-ADDRESS	4	IRTNSRB	ADDR OF SRB FOR NEW WORK FROM DIE.
92 (5C)	A-ADDRESS	4	IRTFRRWA	ADDR OF FRR WORKAREA
96 (60)	A-ADDRESS	4	IRTATTSV	ATTENTION ROUTINE LINK SAVE
100 (64)	A-ADDRESS	4	IRTCCHSV	CCH INTERFACE LINK SAVE
104 (68)	A-ADDRESS	4	IRTINTSV	SLIH ROUTINE LINK SAVE
108 (6C)	A-ADDRESS	4	IRTSTSSV	TEST SCHEDULABILITY SAVE AREA
112 (70)	A-ADDRESS	4	IRTLCHAD	SAVED LCH ADDR FOR CHAN RSTRT
116 (74)	A-ADDRESS	4	IRTSNSCT	SENSE COUNTER
120 (78)	A-ADDRESS	4	IRTRSVOA	RESERVED
124 (7C)	A-ADDRESS	4	IRTRSVOB	RESERVED
	1...		IRTEL	128 ENTRY LENGTH

JCT

Common Name: Job Control Table
Macro ID: IEFAJCTB
DSECT Name: INJMJCT
Created by: IEFVJA
Subpool and Key: 236 or 237 and key 1
Size: 352 bytes
Pointed to by: LCT, NEL
Function: Contains job status information and pointers to other data areas used by the Interpreter.

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
0	(0)	UNKNOWN	176	INJMJCT	NAME OF TABLE
0	(0)	UNKNOWN	3	JCTDSKAD	DISK ADDRESS OF THIS JCT
3	(3)	UNKNOWN	1	JCTIDENT	JCT IDENTIFICATION = 0
4	(4)	UNKNOWN	1	JCTJSRNO	INTERNAL JOB SERIAL NUMBER
5	(5)	UNKNOWN	1	JCTJSTAT	JOB STATUS INDICATORS
	1...			JCTJBLBS	JOBLIB SWITCH
	.1..				RESERVED
	..1.			JCTJSTPC	STEP CANCELLED BY CONDITION CODES
	...1				RESERVED
	.... 1...			JCTABEND	ABEND BIT
	.... .1..			INCMSTS	JOB FAILED BIT
	.... ..1.			INDMCTLG	CATALOG JOB
	.... ..1.			INCMCAT	CATALOG BIT
	1			INCMNSET	RESERVED
6	(6)	UNKNOWN	1	JCTJMGPO	MESSAGE CLASS
7	(7)	UNKNOWN	1	JCTJBYTE	MSGLEVEL & PRIORITY
	1111			JCTJMGLV	MSGLEVEL SET BY IEFVJA
	1...			INCMALL	ALLOC MSGLEVEL=1
	.1..				RESERVED FOR FUTURE USE
	..1.			INCMMGL2	JCL MSGLEVEL=2
	...1			INCMMGL1	JCL MSGLEVEL=1
	 1111			JCTJPRTY	JOB PRIORITY
8	(8)	UNKNOWN	8	JCTJNAME	JOBNAME
16	(10)	UNKNOWN	8	JCTJTPTN	T/P TERMINAL NAME
24	(18)	UNKNOWN	3	JCTPDIP	PDI CORE POINTER
27	(1B)	UNKNOWN	1		RESERVED FOR FUTURE USE
28	(1C)	UNKNOWN	3	JCTGDGNT	GDG NAME TABLE

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
31	(1F)	UNKNOWN	1	JCTJCSMF	JOB CLASS SPECS FOR SMF TERMINATION ROUTINES
32	(20)	UNKNOWN	3	JCTSDKAD	DISK ADDR. OF FIRST SCT
35	(23)	UNKNOWN	1		RESERVED FOR FUTURE USE
36	(24)	UNKNOWN	3	JCTJCTX	ADDRESS OF JCTX
39	(27)	UNKNOWN	1		RESERVED FOR FURTURE USE
40	(28)	UNKNOWN	3	JCTACTAD	DISK ADDR. OF FIRST ACT
43	(2B)	UNKNOWN	1		RESERVED FOR FUTURE USE
44	(2C)	UNKNOWN	8	JCTSMRBA	RBA OF SYSTEM MSG DS
52	(34)	UNKNOWN	1	JCTSCT	STEP # OF FAILING STEP
53	(35)	UNKNOWN	1		RESERVED
54	(36)	UNKNOWN	32	JCTCCODE	CONDITION CODES AND OPERATORS
54	(36)	UNKNOWN	2	JCTJDPCD	JOB CONDITION CODE
56	(38)	UNKNOWN	1	JCTJDPOP	JOB CONDITION OPERATOR
57	(39)	UNKNOWN	1		RESERVED FOR FUTURE USE
86	(56)	UNKNOWN	1	JCTRSW1	CHECKPOINT/RESTART SWITCHES
	1...			JCTWARMS	WARM START
	.1..			JCTSTERM	STEP TERM. HAS BEGUN
	..1.			JCTCONTR	JOB ELIGIBLE FOR CONTINUE RESTART PROCESSING
	...1			JCTCKFT	CHECKPOINT TAKEN FOR THIS STEP
	.... 1...			JCTCKPTR	CHECKPOINT/RESTART TO BE DONE
	.... .1..			JCTSTEPR	STEP RESTART TO BE DONE
	11				BITS 6,7 MUST BE ZERO
87	(57)	UNKNOWN	1	JCTRSW2	CHECKPOINT/RESTART SWITCHES
	1...			JCTSYSCK	SYSCHEK DD STMT PRESENT
	.1..			JCTNARST	JOB INELIGIBLE FOR AUTO RESTART
	..1.			JCTNORST	NO RESTART TO BE DONE

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
	...1			JCTNOCKP	NO CHECKPOINTS TO BE TAKEN
	.... 1...			JCTRESTT	DO RESTART IF NECESSARY
	.... .1..			JCTDSOCR	RESERVED M2344
	.... ..1.			JCTDSOJB	RESERVED M2344
	1			JCTDSDRA	DSDR PROCESSING HAS NOT SUCCESS. ENDED
88	(58)	UNKNOWN	3	JCTDETDA	TTR OF DSENQ TABLE
91	(5B)	UNKNOWN	1		RESERVED FOR FUTURE USE
92	(5C)	UNKNOWN	2	JCTEQREG	REGION PARAMETER
94	(5E)	UNKNOWN	1	JCTQIDNT	IDENTITY OF Q FOR JOB (MVT)
95	(5F)	UNKNOWN	1	JCTSNUMB	NUMBER OF STEPS RUN
96	(60)	UNKNOWN	3	JCTSTIOT	TTR OF COMPRESSED TIOT (MVT)
99	(63)	UNKNOWN	1		RESERVED FOR FUTURE USE
100	(64)	UNKNOWN	4	JCTDEVT	DEVICE TYPE OF CHECKPOINT DATA SET
104	(68)	UNKNOWN	3	JCTCKTTR	TTR OF JFCB FOR CKPT DATA SET
107	(6B)	UNKNOWN	1	JCTNTRK	NUMBER OF TRK ON JOBQ USED BY THE JOB SET & USED BY INIT/TERM
108	(6C)	UNKNOWN	2	JCTNRCKP	NUMBER OF CHECKPOINTS TAKEN
110	(6E)	UNKNOWN	1	JCTVOLSQ	VOLUME SEQUENCE NUMBER FOR CHECKPOINT DS
111	(6F)	UNKNOWN	1	JCTJSB	JOB STATUS SWITCHES
	1111				RESERVED
	.... 1...			JCTJSBIN	JOB ENTERED INTERPRETATION
	.... .1..			JCTJSBAL	JOB ENTERED ALLOCATION
	.... ..1.			JCTJSBEX	JOB ENTERED EXECUTION
	1			JCTJSBTM	JOB ENTERED TERMINATION
112	(70)	UNKNOWN	3	JCTSSTR	TTR OF SCT FOR 1ST STEP

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
115 (73)	UNKNOWN	1		RESERVED FOR FUTURE USE
116 (74)	UNKNOWN	1	JCTSTAT2	
1...			JCTSPSYS	SPOOLED SYSIN FOR JOB
.1..			JCTADSPC	ADDRSPC=REAL FOR JOB
..1.			JCTENDIT	JOB TERM INDICATOR
...1			JCTSWSM	INDICATES WARM START MESSAGE 'INIT=JOBNAME' IS TO BE SUPPRESSED FOR THIS JOB SET BY IEFVHH TESTED BY IEFSD305 M3144
.... 1...			JCTPERFM	PERFORM SPEC'D ON JOB CARD
.... .1..			JCTBLP	0-BLP WILL BE TREATED AS NL 1-BLP WILL BE TREATED AS BYPASS LABEL PROCESSING
.... ..11				RESERVED M3144
117 (75)	UNKNOWN	1	JCTCKIDL	LENGTH OF CHECKPOINT ID
118 (76)	UNKNOWN	16	JCTCKIDT	CHECKPOINT ID

SYSTEM MANAGEMENT FACILITIES SUBFIELDS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
134 (86)	UNKNOWN	3	JCTJMR	TTR OF JMR
137 (89)	UNKNOWN	1	JCTJMRD	DATE DIFFERENCE STEP/JOB STARTS
138 (8A)	UNKNOWN	1	JCTJMROP	SMF OPTION SWITCHES
139 (8B)	UNKNOWN	1	JCTJMRCL	SMF CANCELLATION CONTROL STATUS
140 (8C)	UNKNOWN	3	JCTJMRTL	JOB TIME LIMIT
143 (8F)	UNKNOWN	3	JCTJMRSS	STEP START (TIME OF DAY)
146 (92)	UNKNOWN	3	JCTJMRJT	JOB START (TIME OF DAY)
149 (95)	UNKNOWN	3	JCTJMRJD	JOB START DATE
152 (98)	UNKNOWN	4	JCTSRBT	ACCUMULATED SRB TIME FOR JOB
156 (9C)	UNKNOWN	1		RESERVED
157 (9D)	UNKNOWN	3	JCTSSD	STEP START DATE
160 (A0)	UNKNOWN	7	JCTUSER	USER ID SET BY IEFVJA

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
167 (A7)	UNKNOWN	1	JCTPRFMF	PERFORMANCE GROUP NUMBER
168 (A8)	UNKNOWN	4	JCTACODE	ABEND CODE FIELD
172 (AC)	UNKNOWN	3	JCTVULDP	PTR TO VOL UNLOAD TAB
175 (AF)	UNKNOWN	1		RESERVED
0 (0)	UNKNOWN	176	IEFAACTB	
0 (0)	UNKNOWN	3	ACTDSKAD	DISK ADDR OF THIS ACT
3 (3)	UNKNOWN	1	ACTIDENT	ACT ID = 1
4 (4)	UNKNOWN	3	ACTNEXT	TTR OF NEXT ACT
7 (7)	UNKNOWN	1		RESERVED FOR FUTURE USE
8 (8)	UNKNOWN	20	ACTPRGNM	PROGRAMMERS NAME
28 (1C)	UNKNOWN	3	ACTJTIME	JOB RUNNING TIME
31 (1F)	UNKNOWN	1	ACTJNFLD	NBR OF JOB ACCT FIELDS
32 (20)	UNKNOWN	144	ACTACCNT	SPACE FOR VARIABLE FIELDS

CROSS REFERENCE

ACTACCNT	32 (20)	JCTJTPTN	16 (10)
ACTOSKAD	0 (0)	JCTNARST	87 X'40'
ACTIDENT	3 (3)	JCTNOCKP	87 X'10'
ACTJNFLD	31 (1F)	JCTNORST	87 X'20'
ACTJTIME	28 (1C)	JCTNRCKP	106 (6A)
ACTNEXT	4 (4)	JCTNTRK	107 (6B)
ACTPRGNM	8 (8)	JCTPDIP	24 (18)
IEFAACTB	0 (0)	JCTPERFM	116 X'08'
INCMALL	7 X'80'	JCTPRFMF	167 (A7)
INCMCAT	5 X'02'	JCTQIDNT	94 (5E)
INCMMGL1	7 X'10'	JCTRESTT	87 X'08'
INCMMGL2	7 X'20'	JCTRSW1	86 (56)
INCMNSET	5 X'01'	JCTRSW2	87 (57)
INCMSTS	5 X'04'	JCTSCT	52 (34)
INDMCTLG	5 X'02'	JCTSDKAD	32 (20)
INJNJCT	0 (0)	JCTSMRBA	44 (2C)
JCTABEND	5 X'08'	JCTSNUMB	95 (5F)
JCTACODE	168 (A8)	JCTSPSYS	116 X'80'
JCTACTAD	40 (28)	JCTSRBT	152 (98)
JCTADSPC	116 X'40'	JCTSSD	157 (9D)
JCTBLP	116 X'04'	JCTSSTR	112 (70)
JCTCCODE	54 (36)	JCTSTAT2	116 (74)
JCTCKFT	86 X'10'	JCTSTEPR	86 X'04'
JCTCKIDL	117 (75)	JCTSTERM	86 X'40'
JCTCKIDT	118 (76)	JCTSTIOT	96 (60)
JCTCKPTR	86 X'08'	JCTSWSM	116 X'10'
JCTCKTTR	104 (68)	JCTSYSCK	87 X'80'
JCTCONTR	86 X'20'	JCTUSER	160 (A0)
JCTDETDA	88 (58)	JCTVOLSQ	110 (6E)
JCTDEVT	100 (64)	JCTVULDP	172 (AC)
JCTDSDRA	87 X'01'	JCTWARMS	86 X'80'
JCTDSKAD	0 (0)		
JCTDSOCR	87 X'04'		
JCTDSOJB	87 X'02'		
JCTENDIT	116 X'20'		
JCTEQREG	92 (5C)		
JCTGOGNT	28 (1C)		
JCTIDENT	3 (3)		
JCTJBLBS	5 X'80'		
JCTJBYTE	7 (7)		
JCTJCSMF	31 (1F)		
JCTJCTX	36 (24)		
JCTJDPCD	54 (36)		
JCTJDPOP	56 (38)		
JCTJMGLV	7 X'F0'		
JCTJMGPO	6 (6)		
JCTJMR	134 (86)		
JCTJMRCL	139 (8B)		
JCTJMRD	137 (89)		
JCTJMRJD	149 (95)		
JCTJMRJT	146 (92)		
JCTJMROP	138 (8A)		
JCTJMRSS	143 (8F)		
JCTJMRTL	140 (8C)		
JCTJNAME	8 (8)		
JCTJPRTY	7 X'0F'		
JCTJSB	111 (6F)		
JCTJSBAL	111 X'04'		
JCTJSBEX	111 X'02'		
JCTJSBIN	111 X'08'		
JCTJSBTM	111 X'01'		
JCTJSRNO	4 (4)		
JCTJSTAT	5 (5)		
JCTJSTPC	5 X'20'		

JESCT

Common Name: JES Control Table
Macro ID: IEFJESCT
DSECT Name: JESCT
Created by: At SYSGEN
Subpool and Key: NUCLEUS and key 0
Size: 32 bytes
Pointed to by: CVTJESCT field of the CVT data area
Serialization: None
Function: Contains the information required by the
subsystem interface and addresses of scheduler routines.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	JESCT	
0 (0)	SIGNED	4		RESERVED
4 (4)	SIGNED	4	JESUNITS	POINTER TO UCB'S
8 (8)	A-ADDRESS	4	JESWAA	ADDRESS OF THE SWA MANAGER LOCATE MODE
12 (C)	A-ADDRESS	4	JESQMGR	ADDRESS OF SWA MANAGER MOVE MODE
16 (10)	A-ADDRESS	4	JESRESQM	ENTRY POINT USED TO INTERFACE BETWEEN THE QMNGRIO MACRO AND THE RESIDENT SWA MNGR
20 (14)	A-ADDRESS	4	JESSSREQ	ADDRESS OF THE IEFSSREQ ROUTINE
24 (18)	A-ADDRESS	4	JESSSCT	ADDRESS OF THE FIRST SUBSYSTEM COMMUNICATIONS TABLE
28 (1C)	SIGNED	4	JESPJESN	NAME OF PRIMARY JOB ENTRY SUBSYSTEM SET AT SYSGEN
32 (20)	A-ADDRESS	4	JESALLOC	DEVICE ALLOCATION ENTRY POINT USED BY INITIATOR

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
36 (24)	A-ADDRESS	4	JESUNALC	DEVICE UNALLOCATION ENTRY POINT USED BY INITIATOR
40 (28)	A-ADDRESS	4	JESCATL	DEVICE ALLOCATION PRIVATE CATALOG ENTRY POINT USED BY INITIATOR
44 (2C)	SIGNED	4	JESNUCBS	NUMBER OF UCB'S IN SYSTEM. USED BY DEVICE ALLOCATION
48 (30)	A-ADDRESS	4	JESSASTA	ADDRESS OF SUBSYSTEM ALLOCATION SEQUENCE TABLE

JFCB

Common Name: Job File Control Block
Macro ID: IEFJFCBN
DSECT Name: No DSECT card put out by macro. INFMJFCB may be put on the USING statement.
Created by: The interpreter
Subpool and Key: SWA (subpool 236 or 237) and key 1
Size: 176 bytes
Pointed to by: SCTPJFCB field of the SCT data area
                TIOEJFCB field of the TIOT data area (DD entry JFCB)
                SJFCBPTR field of the SIOT data area
                SSDAJFCB field of the SSOB data area (data management JFCB)
                SSALJFCB field of the SSOB data area (allocation JFCB)
Serialization: None.
Function: The job management routines construct a JFCB for each DD name specified in a job step. In a concatenated data set, each of the multiple DD cards is given a DD name of blanks. A JFCB is then concatenated for each DD name, including those with a name of blanks. It is brought into virtual storage when a DCB with the corresponding name is opened. Information in a JFCB may be modified during the OPEN processing.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) BAL STMT	0		
0	(0) SIGNED	4		
0	(0) CHARACTER	8	JFCBQNAM	PROCESS QUEUE NAME SPECIFIED BY THE QNAME KEYWORD (TCAM)
0	(0) CHARACTER	44	JFCBDSNM	DATA SET NAME
44	(2C) CHARACTER	7	JFCIPLTX	MODULE NAME OF NETWORK CONTROL PROGRAM (TCAM)
44	(2C) CHARACTER	8	JFCBELNM	ELEMENT NAME OR RELATIVE GENERATION NUMBER. TYPE OF AREA (INDEX, PRIME OR OVERFLOW) FOR AN INDEXED SEQUENTIAL DATA SET ONLY.
52	(34) BITSTRING	1	JFCBTSDM	JOB MANAGEMENT/DATA MANAGEMENT INTERFACE
	1...		JFCCAT	X'80' DATA SET IS CATALOGED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.1..			JFCVSL	X'40' VOLUME SERIAL LIST HAS BEEN CHANGED
..1.			JFCSDS	X'20' DATA SET IS A SYSIN OR SYSOUT DATA SET
...1			JFCTTR	X'10' A JOB STEP IS TO BE RESTARTED. USE JFCBOTTR INSTEAD OF DS1LSTAR FIELD TO REPOSITION DATA SET IF AUTOMATIC STEP RESTART OCCURS. (THIS JOB HAD ABEND PROCESSING FOR A DATA SET OPENED FOR MOD.)
.... 1...			JFCNWRIT	X'08' DO NOT WRITE BACK THE JFCB DURING OPEN PROCESSING
.... .1..			JFCNDSCB	X'04' DO NOT MERGE DSCB OR LABEL FIELDS INTO THIS JFCB
.... ..1.			JFCNDCB	X'02' DO NOT MERGE DCB FIELDS INTO THIS JFCB
....1			JFCPAT	X'01' THE PATTERNING DSCB IS COMPLETE
53	(35) CHARACTER	3	JFCBDSCB	TTR ADDRESS OF THE FORMAT 1 DSCB FOR DATA SET PART ON THE FIRST VOLUME OF THE DATA SET
56	(38) CHARACTER	4	JFCFCBID	FORMS CONTROL BUFFER IMAGE IDENTIFICATION FOR THE 3211 PRINTER OR DATA PROTECTION IMAGE IDENTIFICATION FOR THE 3525 CARD PUNCH WITH THE READ AND PRINT FEATURES OR

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				FORMAT RECORD ID
56 (38)	CHARACTER	4	JFCBFRID	LAST 4 CHARACTERS OF A PDS MEMBER TO BE USED IN THE INTERPRETATION OF DOCUMENTS READ BY 3886 DEVICE FOR THIS STEP
56 (38)	BITSTRING	2	JFCAMCRO	VSAM CHECKPOINT/RESTART OPTION INDICATORS
58 (3A)	SIGNED	2	JFCAMSTR	NUMBER OF STRINGS
60 (3C)	SIGNED	2	JFCBADBF	NUMBER OF DATA BUFFERS
62 (3E)	SIGNED	2	JFCNLREC	LOGICAL RECORD LENGTH FOR VSAM
64 (40)	SIGNED	2	JFCVINDX	MASS STORAGE SYSTEM COMMUNICATOR (MSSC) VOLUME SELECTION INDEX
66 (42)	BITSTRING	1	JFCBLTYP	LABEL TYPE
1...			JFCRSV38	X'80',,C'X' RESERVED
.1..			JFCBAL	X'40' AMERICAN NATIONAL STANDARD TAPE LABELS (AL OR IF BIT 4 IS ALSO ON, AUL)
..1.			JFCBLTM	X'20' UNLABELLED TAPE CREATED BY DOS MAY HAVE LEADING TAPE MARK. OPEN/CLOSE/EOV AND RESTART MUST SPACE OVER A TAPE MARK IF ONE EXISTS.
...1			JFCBLP	X'10' BYPASS LABEL PROCESSING
.... 1.1.			JFCSUL	X'0A' USER LABEL
.... .1..			JFCNSL	X'04' NONSTANDARD LABEL
.... ..1.			JFCSL	X'02' STANDARD LABEL

JFCB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	1		JFCNL	X'01' NO LABEL
67 (43)	CHARACTER	3	JFCBOTTR	DASD MOD DATA SET IF AUTOMATIC STEP RESTART WAS REQUESTED, TTR OF THE END-OF-DATA INDICATOR EXISTING WHEN THE DATA SET WAS FIRST OPENED DURING THE ORIGINAL EXECUTION OF THE CURRENT STEP
67 (43)	SIGNED	1	JFCBUFOF	TAPE DATA SET THIS FIELD CONTAINS THE BUFFER OFFSET (DCB SUBPARAMETER VALUE)
	1...		JFCBFOFL	X'80' IF 1, THE OFFSET EQUALS FOUR AND THE BUFFER OFFSET FIELD OF EACH BLOCK (D-FORMAT RECORDS) CONTAINS THE BLOCK LENGTH (SPECIFIED BY BUFOFF=L). IF 0, THE OFFSET IS AS SPECIFIED IN THE REMAINING SEVEN BITS AND THE BUFFER OFFSET FIELD OF EACH BLOCK DOES NOT CONTAIN THE BLOCK LENGTH.
68 (44)	BITSTRING	1	JFCFUNC	FUNCTION INDICATORS FOR THE 3525 CARD PUNCH (SPECIFIED BY THE FUNC PARAMETER)
	1...		JFCFNCBI	X'80' I INTERPRET (PUNCH AND PRINT TWO LINES)
	.1..		JFCFNCBR	X'40' R READ
	..1.		JFCFNCBP	X'20' P PUNCH
	...1		JFCFNCBW	X'10' W PRINT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... 1...			JFCFNCBD	X'08' D DATA PROTECTION
.... .1..			JFCFNCBX	X'04' X THIS DATA SET IS TO BE PRINTED. THIS MAY BE CODED WITH PW OR RPW TO DISTINGUISH THE DATA SET TO BE PRINTED FROM THE DATA SET TO BE PUNCHED.
.... ..1.			JFCFNCBT	X'02' T TWO-LINE PRINT SUPPORT REQUEST. THE SECOND PRINT LINE IS LOCATED ON CARD LINE THREE.
....1			JFCRSV31	X'01',,C'X' RESERVED
68 (44)	SIGNED	2	JFCBFLSQ	FOR MAGNETIC TAPE DEVICES, FILE SEQUENCE NUMBER
70 (46)	SIGNED	2	JFCBVLSQ	VOLUME SEQUENCE NUMBER
72 (48)	CHARACTER	8	JFCBMASK	DATA MANAGEMENT MASK
72 (48)	BITSTRING	5	JFCBOPS1	OPEN ROUTINE INTERNAL SWITCHES
77 (4D)	BITSTRING	1	JFCBFLG1	FLAG BYTE
1...			JFCSTAND	X'80' VOLUME LABEL PROCESSING STANDARD
.1..			JFCSLCRE	X'40' CREATION OF A STANDARD LABEL IS NECESSARY
..1.			JFCSLDES	X'20' DESTRUCTION OF A STANDARD LABEL IS NECESSARY
...1			JFCDUAL	X'10' DUAL-DENSITY CHECK DETECTED
.... 1111			JFCOPEN	X'0F' OPEN ROUTINE INTERNAL SWITCHES

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
....1			JFCBPWBP	X'01' PASSWORD BYPASS INDICATOR
78 (4E)	BITSTRING	1	JFCBFLG2	FLAG BYTE OF OPEN SWITCHES
1...			JFCINOP	X'80' TREAT THE INOUT OPTION OF OPEN AS INPUT
.1..			JFCOUTOP	X'40' TREAT THE OUTIN OPTION OF OPEN AS OUTPUT
..1.			JFCDEFER	X'20' SET ONLY IN A JFCB RECORDED IN A DATA SET DESCRIPTOR RECORD (DSDR) BY THE CHECKPOINT ROUTINE. INDICATES THAT THE DATA SET RELATED TO THE JFCB IS BEING PROCESSED SEQUENTIALLY, AT THE CHECKPOINT, ON A VOLUME OTHER THAN THE VOLUME ON WHICH PROCESSING BEGAN IN THE CURRENT STEP. WHEN RESTART OCCURS, THIS BIT CAUSES DEFERRED VOLUME MOUNTING.
..1.			JFCNRPS	X'20' USE BY OPEN ROUTINES SET TO INDICATE THAT THIS DATA SET RESIDES ON A NON-RPS DEVICE. RESET TO ZERO WHEN OPEN PROCESSING IS COMPLETED.
...1			JFCMODNW	X'10' DISPOSITION OF THIS DATA SET HAS BEEN CHANGED FROM MOD TO NEW. DISPOSITION (IN JFCBIND2)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				WILL BE RESTORED TO MOD AFTER OPEN.
.... 1...			JFCSDRPS	X'08' USE SEARCH DIRECT FOR ROTATIONAL POSITION SENSING (RPS) DEVICES
.... .1..			JFCTRACE	X'04' GTF TRACE IS TO OCCUR DURING OPEN/CLOSE/EOV AND DYNAMIC ALLOCATION PROCESSING OF DCB
.... ..1.			JFCBBUFF	X'02' INDICATOR TO OPEN THAT A NON-ZERO VALUE IN JFCBOTTR IS NOT TO PREVENT THE NORMAL STORING BY OPEN OF A TTR IN JFCBOTTR. BEFORE OPEN JFCBUFOF (OFFSET 67) CONTAINS A BUFFER OFFSET OR INVALID INFORMATION RESULTING FROM A JFCB-TO-JFCB MERGE. AFTER OPEN OPEN MAY HAVE STORED A TTR IN JFCBOTTR (OFFSET 67), IN WHICH CASE OPEN WILL HAVE SET THIS BIT TO ZERO.
....1			JFCRCTLG	X'01' OPEN HAS UPDATED THE TTR. SCHEDULER STEP TERMINATION ROUTINE IS TO RECATALOG THIS DATA SET AND PLACE IN THE CATALOG ENTRY THE DSCB TTR CONTAINED IN JFCBDSCB IF THIS DATA SET IS CATALOGED.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
79 (4F)	BITSTRING	1	JFCBOPS2	OPEN ROUTINE INTERNAL SWITCHES

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
80 (50)	CHARACTER	3	JFCBCRDT	DATA SET CREATION DATE (YDD, Y=YEAR AND DD=DAY)
83 (53)	CHARACTER	3	JFCBXPDT	DATA SET EXPIRATION DATE (YDD)
86 (56)	BITSTRING	1	JFCBIND1	INDICATOR BYTE 1
11..			JFCRLSE	X'C0' RELEASE EXTERNAL STORAGE
..11			JFCLOC	X'30' DATA SET HAS BEEN LOCATED
.... 11..			JFCADDED	X'0C' NEW VOLUME HAS BEEN ADDED TO THE DATA SET
.... ..1.			JFCGDG	X'02' DATA SET IS A MEMBER OF A GENERATION DATA GROUP
....1			JFCPDS	X'01' DATA SET IS A MEMBER OF A PARTITIONED DATA SET

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THE FOLLOWING FOUR BIT SETTINGS ARE FROM AN OLD MAPPING MACR
THESE FOUR WILL BE REMOVED IN A FUTURE RELEASE. USE THE
FOREGOING SYMBOLS FOR JFCBIND1

.1..			JFCBRLSE	X'40' BITS 0 & 1 EXTERNAL STORAGE RELEASE INDICATOR
...1			JFCBLOCT	X'10' BITS 2 & 3 DATA SET HAS BEEN LOCATED
.... .1..			JFCBNEWV	X'04' BITS 4 & 5 NEW VOLUME ADDED TO DATA SET
....1			JFCBPMEM	X'01' BITS 6 & 7 DATA SET IS A MEMBER OF A PDS OR GDG

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
87 (57) BITSTRING		1	JFCBIND2	INDICATOR BYTE 2
11..			JFCDISP	X'C0' BIT PATTERN FOR NEW, MOD, OLD
11..			JFCNEW	X'C0' NEW DATA SET
1...			JFCMOD	X'80' MOD DATA SET
.1..			JFCOLD	X'40' OLD DATA SET
..11			JFCBRWPW	X'30' PASSWORD IS REQUIRED TO WRITE BUT NOT TO READ (DATA SET SECURITY)
...1			JFCSECUR	X'10' PASSWORD IS REQUIRED TO READ OR TO WRITE (DATA SET SECURITY)
.... 1...			JFCSHARE	X'08' SHARED DATA SET
.... .1..			JFCENT	X'04' DELETE THIS JFCB BEFORE ALLOCATION FOR A RESTARTED GENERATION DATA GROUP
.... ..1.			JFCREQ	X'02' STORAGE VOLUME REQUESTED
....1			JFCTEMP	X'01' TEMPORARY DATA SET

THE FOLLOWING THREE BIT SETTINGS ARE FROM AN OLD MAPPING MAC
THESE THREE WILL BE REMOVED IN A FUTURE RELEASE. USE THE
FOREGOING SYMBOLS FOR JFCBIND2

.1..			JFCBSTAT	X'40' BITS 0 & 1 DATA SET STATUS (NEW, OLD OR MOD)
...1			JFCBSCTY	X'10' BIT 3 DATA SET SECURITY INDICATOR
.... .1..			JFCBGDGA	X'04' BITS 4 & 5 THIS JFCB IS A MEMBER OF A GDG-ALL REQUEST

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
88 (58)	A-ADDRESS	4	JFCAMPTR	POINTER TO AMPBLK FOR ADDITIONAL VSAM PARAMETERS
88 (58)	HEX	1	JFCBUFNO	NUMBER OF BUFFERS REQUIRED FOR THIS DATA SET (ACCESS METHODS OTHER THAN TCAM AND QTAM)
88 (58)	HEX	1	JFCBUFIN	BITS 0-3 CONTAIN THE NUMBER OF BUFFERS ASSIGNED INITIALLY FOR RECEIVING OPERATIONS FOR EACH LINE IN A LINE GROUP (TCAM)
88 (58)	HEX	1	JFCBFOUT	BITS 4-7 CONTAIN THE NUMBER OF BUFFERS ASSIGNED INITIALLY FOR SENDING OPERATIONS FOR EACH LINE IN A LINE GROUP (TCAM)
88 (58)	HEX	1	JFCBUFRQ	NUMBER OF BUFFERS REQUIRED FOR EACH LINE (QTAM)
89 (59)	SIGNED	1	JFCBGNCP	FOR GAM, THIS FIELD IS USED FOR THE NUMBER OF IOB'S CONSTRUCTED BY THE OPEN ROUTINE. MAXIMUM NUMBER IS 99.
89 (59)	BITSTRING	1	JFCBHIAR	BUFFER POOL LOCATION IN MAIN STORAGE (HIERARCHY)
89 (59)	BITSTRING	1	JFCBFALN	BUFFER ALIGNMENT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
89 (59)	BITSTRING	1	JFCBFTEK	BUFFERING TECHNIQUE
1... .1..			JFCHIER	X'84' BITS 0 AND 5 DESCRIBE MAIN STORAGE HIERARCHY. BOTH BITS OFF, HIERARCHY 0. BIT 0 OFF AND BIT 5 ON, HIERARCHY 1.
.1..			JFCSIM	X'40' S SIMPLE BUFFERING
.11.			JFCBBFTA	X'60' A FOR QSAM LOCATE MODE PROCESSING OF SPANNED RECORDS, AUTOMATIC RECORD AREA CONSTRUCTION DURING LOGICAL RECORD INTERFACE PROCESSING. OPEN IS TO CONSTRUCT A RECORD AREA IF IT AUTOMATICALLY CONSTRUCTS BUFFERS.
..1.			JFCBBFTR	X'20' R FOR BSAM CREATE BDAM PROCESSING OR BDAM PROCESSING OF UNBLOCKED SPANNED RECORDS, SOFTWARE TRACK OVERFLOW. OPEN FORMS A SEGMENT WORK AREA POOL AND STORES THE ADDRESS OF THE SEGMENT WORK AREA CONTROL BLOCK IN THE DCBEOBW FIELD OF THE DATA CONTROL BLOCK. WRITE USES A SEGMENT WORK AREA TO WRITE A RECORD AS ONE OR MORE SEGMENTS. FOR BSAM INPUT PROCESSING OF UNBLOCKED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				SPANNED RECORDS WITH KEYS, RECORD OFFSET PROCESSING. READ READS ONE RECORD SEGMENT INTO THE RECORD AREA. THE FIRST SEGMENT OF A RECORD IS PRECEDED IN THE RECORD AREA BY THE KEY. SUBSEQUENT SEGMENTS ARE AT AN OFFSET EQUAL TO THE KEY LENGTH.
	...1		JFCEXC	X'10' E EXCHANGE BUFFERING
	.... 1...		JFCDYN	X'08' DYNAMIC BUFFERING
	.... .1..		JFCHIER1	X'04' HIERARCHY 1 MAIN STORAGE
	.... ..1.		JFCDWORD	X'02' D DOUBLE WORD BOUNDARY
	1		JFCFWORD	X'01' F FULL WORD NOT A DOUBLE WORD BOUNDARY
90	(5A) SIGNED	2	JFCBUFL	BUFFER LENGTH
92	(5C) BITSTRING	1	JFCEROPT	ERROR OPTION. DISPOSITION OF PERMANENT ERRORS IF USER RETURNS FROM A SYNCHRONOUS ERROR EXIT. (QSAM)
	1...		JFCACC	X'80' ACCEPT
	.1..		JFCSKP	X'40' SKIP
	..1.		JFCABN	X'20' ABNORMAL END OF TASK
	...1		JFCTOPT	X'10' ON-LINE TERMINAL TEST (BTAM)
	.... 1...		JFCRSV02	X'08',,C'X' RESERVED
	.... .1..		JFCRSV03	X'04',,C'X' RESERVED
	.... ..1.		JFCRSV04	X'02',,C'X' RESERVED
	1		JFCRSV05	X'01',,C'X' RESERVED
93	(5D) CHARACTER	1	JFCTRTCH	TAPE RECORDING TECHNIQUE FOR 7-TRACK TAPE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1. ..11			JFCEVEN	X'23' E EVEN PARITY
..11 1.11			JFCTRAN	X'3B' T EOD/EBCDIC TRANSLATION
...1 ..11			JFCCONV	X'13' C DATA CONVERSION
..1. 1.11			JFCTREV	X'2B' ET EVEN PARITY AND TRANSLATION
93 (5D)	HEX	1	JFCKEYLE	DIRECT ACCESS KEY LENGTH
93 (5D)	BITSTRING	1	JFCCODE	CONVERSION CODE (PAPER TAPE)
1...			JFCNOCON	X'80' N NO CONVERSION
.1..			JFCBCD	X'40' I IBM BCD
..1.			JFCFRI	X'20' F FRIDEN
...1			JFCBUR	X'10' B BURROUGHS
.... 1...			JFCNCR	X'08' C NATIONAL CASH REGISTER
.... .1..			JFCASCII	X'04' A ASCII (8-TRACK)
.... ..1.			JFCTTY	X'02' T TELETYPE
....1			JFCRSV32	X'01',,C'X' RESERVED
93 (5D)	BITSTRING	1	JFCMODE	MODE OF OPERATION (CARD READER, CARD PUNCH)
93 (5D)	BITSTRING	1	JFCSTACK	STACKER SELECTION (CARD READER, CARD PUNCH)
1...			JFCBIN	X'80' C COLUMN BINARY MODE
.1..			JFCEBCD	X'40' E EBCDIC MODE
..1.			JFCMODEO	X'20' O OPTICAL MARK READ MODE (3505 ONLY)
...1			JFCMODER	X'10' R READ COLUMN ELIMINATE MODE (3505 AND 3525 WITH READ FEATURE)
.... 1...			JFCRSV06	X'08',,C'X' RESERVED
.... .1..			JFCRSV07	X'04',,C'X' RESERVED
.... ..1.			JFCTWO	X'02' 2 STACKER TWO
....1			JFCONE	X'01' 1 STACKER ONE
93 (5D)	BITSTRING	1	JFCPRTSP	NORMAL PRINTER SPACING

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
...1 1..1			JFCSPTHR	X'19' 3 SPACE THREE LINES
...1 ...1			JFCSPTWO	X'11' 2 SPACE TWO LINES
.... 1..1			JFCSPONE	X'09' 1 SPACE ONE LINE
....1			JFCSPNO	X'01' 0 NO SPACING
94 (5E)	BITSTRING	1	JFCDEN	TAPE DENSITY 2400/3400 SERIES MAGNETIC TAPE UNITS
.... ..11			JFC200	X'03' 7-TRACK 200 BPI
.1.. ..11			JFC556	X'43' 7-TRACK 556 BPI
1... ..11			JFC800	X'83' 7-TRACK AND 9-TRACK 800 BPI
11.. ..11			JFC1600	X'C3' 9-TRACK 1600 BPI
11.1 ..11			JFC6250	X'D3' 9-TRACK 6250 BPI
95 (5F)	SIGNED	3	JFCBABFS	TOTAL BUFFER SIZE FOR ALL VSAM BUFFERS
95 (5F)	CHARACTER	3	JFCLIMCT	SEARCH LIMIT (BDAM)
95 (5F)	CHARACTER	1		RESERVED
96 (60)	CHARACTER	2	JFCTRKBL	DATA SET OPENED FOR MOD IF AUTOMATIC STEP RESTART WAS REQUESTED, TRACK BALANCE EXISTING WHEN THE DATA SET WAS FIRST OPENED DURING THE ORIGINAL EXECUTION OF THE CURRENT STEP
98 (62)	BITSTRING	2	JFCDSORG	DATA SET ORGANIZATION BEING USED
98 (62)	BITSTRING	1	JFCDSRG1	BYTE 1 OF JFCDSORG
1...			JFCORGIS	X'80' INDEXED SEQUENTIAL
.1..			JFCORGPS	X'40' PHYSICAL SEQUENTIAL
..1.			JFCORGDA	X'20' DIRECT
...1			JFCORGCX	X'10' BTAM OR QTAM LINE GROUP
.... 1...			JFCORGCQ	X'08' QTAM DIRECT ACCESS MESSAGE QUEUE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... .1..			JFCORGMQ	X'04' QTAM PROBLEM PROGRAM MESSAGE QUEUE
.... ..1.			JFCORGPO	X'02' PARTITIONED
....1			JFCORGU	X'01' UNMOVABLE THE DATA CONTAINS LOCATION DEPENDENT INFORMATION
99 (63)	BITSTRING	1	JFCDSRG2	BYTE 2 OF JFCDSORG
1...			JFCORGGS	X'80' GRAPHICS
.1..			JFCORGTX	X'40' TCAM LINE GROUP
..1.			JFCORGTQ	X'20' TCAM MESSAGE QUEUE
...1			JFCRSV13	X'10',,C'X' RESERVED, BINARY ZERO
.... 1...			JFCORGAM	X'08' VSAM
.... .1..			JFCORGTR	X'04' TCAM 3705
.... ..1.			JFCRSV15	X'02',,C'X' RESERVED, BINARY ZERO
....1			JFCRSV16	X'01',,C'X' RESERVED, BINARY ZERO
100 (64)	BITSTRING	1	JFCRECFM	RECORD FORMAT
11..			JFCFMREC	X'C0' HIGH-ORDER TWO BITS OF JFCRECFM TO BE TESTED FOR RECORD FORMAT
11.. ...,;			JFCUND	X'C0' U UNDEFINED
1...			JFCFIX	X'80' F FIXED
.1..			JFCVAR	X'40' V VARIABLE
111.			JFCRCFM	X'E0' RECORD FORMAT (USASI/USASCII)
..1.			JFCVARD	X'20' D VARIABLE (FORMAT D FOR USASI/USASCII)
..1.			JFCRFO	X'20' T TRACK OVERFLOW
...1			JFCRFB	X'10' B BLOCKED MAY NOT OCCUR WITH UNDEFINED
.... 1...			JFCRFS	X'08' S FOR FIXED LENGTH RECORD FORMAT, STANDARD BLOCKS. NO

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				TRUNCATED BLOCKS OR UNFILLED TRACKS ARE EMBEDDED IN THE DATA SET FOR VARIABLE LENGTH RECORD FORMAT, SPANNED RECORDS.
.... .11.			JFCCHAR	X'06' CONTROL CHARACTER
.... .1..			JFCASA	X'04' A AMERICAN NATIONAL STANDARD (ASA) CONTROL CHARACTER
.... ..1.			JFCMAC	X'02' M MACHINE CODE CONTROL CHARACTER
....			JFCNOCC	X'00' NO CONTROL CHARACTER
101 (65)	BITSTRING	1	JFCOPTCD	OPTION CODES

QSAM - BSAM - BPAM

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			JFCWVCSP	X'80' W WRITE VALIDITY CHECK
.1..			JFCALLOW	X'40' U ALLOW A DATA CHECK CAUSED BY AN INVALID CHARACTER (1403 PRINTER WITH UCS FEATURE)
..1.			JFCPCIBT	X'20' C CHAINED SCHEDULING USING THE PROGRAM CONTROLLED INTERRUPTION
...1			JFCBCKPT	X'10' BYPASS EMBEDDED DOS CHECKPOINT RECORDS ON TAPE
.... 1...			JFCRSV18	X'08',,C'X' RESERVED
.... .1..			JFCREDUC	X'04' Z USE REDUCED ERROR RECOVERY PROCEDURE (MAGNETIC TAPE) (EXCP ALSO)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... .1..			JFCSRCHD	X'04' USE SEARCH DIRECT (SD), INSTEAD OF SEARCH PREVIOUS, ON ROTATIONAL POSITION SENSING (RPS) DEVICE. (DIRECT ACCESS)
.... ..1.			JFCRSV21	X'02',,C'X' RESERVED
....1			JFCOPTJ	X'01' J 3800 CONTROL CHARACTER

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BISAM - QISAM

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			JFCWVCIS	X'80' W WRITE VALIDITY CHECK
.1..			JFCRSV17	X'40',,C'X' RESERVED
..1.			JFCMAST	X'20' M MASTER INDEXES
...1			JFCIND	X'10' I INDEPENDENT OVERFLOW AREA
.... 1...			JFCCYL	X'08' Y CYLINDER OVERFLOW AREA
.... .1..			JFCRSV19	X'04',,C'X' RESERVED
.... ..1.			JFCDEL	X'02' L DELETE OPTION
....1			JFCREORG	X'01' R REORGANIZATION CRITERIA

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BDAM

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			JFCWVCBD	X'80' W WRITE VALIDITY CHECK
.1..			JFCOVER	X'40' TRACK OVERFLOW
..1.			JFCEXT	X'20' E EXTENDED SEARCH
...1			JFCFEED	X'10' F FEEDBACK
.... 1...			JFCACT	X'08' A ACTUAL ADDRESSING
.... .1..			JFCRSV20	X'04',,C'X' RESERVED
.... ..1.			JFCRSV22	X'02',,C'X' RESERVED
....1			JFCREL	X'01' R RELATIVE BLOCK ADDRESSING

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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USASI/USASCII

| | .... 1... | | JFCOPTQ | X'08' EBCDIC TO ASCII OR ASCII TO EBCDIC TRANSLATION REQUIRED |

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TCAM

	1...		JFCSDNAM	X'80' SOURCE OR DESTINATION NAME PRECEDES MESSAGE (AFTER CONTROL BYTE)
	.1..		JFCWUMSG	X'40' WORK UNIT IS A MESSAGE (DEFAULT WORK UNIT IS A RECORD)
	..1.		JFCCBWU	X'20' CONTROL BYTE PRECEDES WORK UNIT
102	(66) SIGNED	2	JFCBLKSI	MAXIMUM BLOCK SIZE
102	(66) SIGNED	2	JFCBUFSI	MAXIMUM BUFFER SIZE
102	(66) SIGNED	2	JFCBAXBF	NUMBER OF INDEX BUFFERS (VSAM)

| 104 | (68) CHARACTER | 8 | JFCAMSYN | MODULE NAME FOR SYNAD ROUTINE FOR VSAM |

| 104 | (68) SIGNED | 2 | JFCLRECL | LOGICAL RECORD LENGTH |
| 106 | (6A) SIGNED | 1 | JFCNCP | NUMBER OF CHANNEL PROGRAMS. NUMBER OF READ OR WRITE REQUESTS WHICH MAY BE ISSUED PRIOR TO A CHECK. NUMBER OF IOB'S GENERATED. (MAXIMUM NUMBER IS 99.) NOTE GAM USES JFCBFTEK FOR THIS INFORMATION AND DOES NOT USE THIS FIELD AT ALL. |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
106 (6A)	SIGNED	1	JFCBUFMX	THE MAXIMUM NUMBER OF BUFFERS TO BE USED FOR DATA TRANSFER FOR EACH LINE IN THIS LINE GROUP (TCAM)
107 (6B)	SIGNED	1	JFCBFSEQ	TAPE POSITIONING INFORMATION FOR CHECKPOINT RESTART. THIS FIELD IS USED TO PASS A PHYSICAL FILE SEQUENCE COUNT FROM CHECKPOINT TO RESTART. THE COUNT TELLS THE PHYSICAL POSITION OF THE TAPE VOLUME THAT WAS BEING PROCESSED WHEN THE CHECKPOINT WAS TAKEN.
107 (6B)	SIGNED	1	JFCNTM	THE NUMBER OF TRACKS THAT DETERMINE THE DEVELOPMENT OF A MASTER INDEX. MAXIMUM NUMBER IS 99. (ISAM)
107 (6B)	BITSTRING	1	JFCPCI	PROGRAM-CONTROLLED INTERRUPTION (PCI) FLAG BYTE (TCAM)
	1...		JFCPCIX1	X'80' PCI=(X,) RECEIVE OPERATIONS
	.1..		JFCPCIX2	X'40' PCI=(,X) SEND OPERATIONS X INDICATES THAT AFTER THE FIRST BUFFER IS FILLED (ON RECEIVE OPERATIONS) OR EMPTIED (ON SEND OPERATIONS), A PCI OCCURS DURING THE FILLING OR EMPTYING OF THE NEXT BUFFER. THE FIRST BUFFER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				REMAINS ALLOCATED AND ANOTHER IS ALLOCATED.
..1.			JFCPCIA1	X'20' PCI=(A,) RECEIVE OPERATIONS
...1			JFCPCIA2	X'10' PCI=(,A) SEND OPERATIONS A INDICATES THAT AFTER THE FIRST BUFFER IS FILLED (ON RECEIVE OPERATIONS) OR EMPTIED (ON SEND OPERATIONS), A PCI OCCURS DURING THE FILLING OR EMPTYING OF THE NEXT BUFFER. THE FIRST BUFFER IS DEALLOCATED. A BUFFER IS ALLOCATED IN PLACE OF THE DEALLOCATED BUFFER.
.... 1...			JFCPCIN1	X'08' PCI=(N,) RECEIVE OPERATIONS
.... .1..			JFCPCIN2	X'04' PCI=(,N) SEND OPERATIONS N INDICATES THAT NO PCI'S ARE TAKEN DURING FILLING (ON RECEIVE OPERATIONS) OR EMPTYING (ON SEND OPERATIONS) OF BUFFERS. BUFFERS ARE DEALLOCATED AT THE END OF TRANSMISSION.
.... ..1.			JFCPCIR1	X'02' PCI=(R,) RECEIVE OPERATIONS
....1			JFCPCIR2	X'01' PCI=(,R) SEND OPERATIONS R INDICATES THAT AFTER THE FIRST BUFFER IS FILLED (ON RECEIVE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				OPERATIONS) OR EMPTIED (ON SEND OPERATIONS), A PCI OCCURS DURING THE FILLING OR EMPTYING OF EACH SUCCEEDING BUFFER. THE COMPLETED BUFFER IS DEALLOCATED, BUT NO NEW BUFFER IS ALLOCATED TO TAKE ITS PLACE.

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NORMAL 108 SEGMENT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
108 (6C)	BITSTRING	4	JFCRESRV	FIRST BYTE CONTAINS NUMBER OF BYTES FOR TIME OF DAY. SECOND BYTE CONTAINS NUMBER OF BYTES FOR DATE. THIRD BYTE CONTAINS NUMBER OF BYTES FOR OUT SEQ. FOURTH BYTE CONTAINS NUMBER OF BYTES IN. (TCAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
108 (6C)	SIGNED	2	JFCRKP	THE RELATIVE POSITION OF THE FIRST BYTE OF THE KEY WITHIN EACH LOGICAL RECORD. MAXIMUM VALUE IS LOGICAL RECORD LENGTH MINUS KEY LENGTH.
110 (6E)	HEX	1	JFCCYLOF	THE NUMBER OF TRACKS TO BE RESERVED ON EACH CYLINDER TO HOLD RECORDS THAT OVERFLOW FROM OTHER TRACKS ON THAT CYLINDER.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				MAXIMUM VALUE IS 99.
111 (6F)	CHARACTER	1	JFCDBUFN	RESERVED
112 (70)	HEX	1	JFCINTVL	INTENTIONAL DELAY, IN SECONDS, BETWEEN PASSES THROUGH A POLLING LIST (QTAM)

END OF NORMAL 108 SEGMENT
108 PRINTER SEGMENT
NOTE THIS SEGMENT REPLACES THE NORMAL 108 SEGMENT IF
THE DD STATEMENT USES THE UCS PARAMETER.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
108 (6C)	CHARACTER	4	JFCUCSID	NAME OF THE UCS IMAGE TO BE LOADED
112 (70)	BITSTRING	1	JFCUCSOP	OPERATION OF THE UCS IMAGE TO BE LOADED
	1...		JFCBEXTP	X'80' JFCB EXTENSION PRESENT FOR 3800 DEVICE
	.1..		JFCFOLD	X'40' UCS IMAGE IS TO BE LOADED IN THE FOLD MODE
	..1.		JFCRSV25	X'20',,C'X' RESERVED
	...1		JFCVER	X'10' UCS IMAGE IS TO BE VERIFIED
	.... 1...		JFCFCBAL	X'08' FORMS ARE TO BE ALIGNED
	.... .1..		JFCFCBVR	X'04' FORMS CONTROL BUFFER (FCB) IMAGE IS TO BE VERIFIED
	.... ..1.		JFCRSV26	X'02',,C'X' RESERVED
	1		JFCRSV27	X'01',,C'X' RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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END OF 108 PRINTER SEGMENT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
113 (71)	SIGNED	3	JFCOUTLI	SMF SYSOUT LIMIT. BINARY REPRESENTATION OF THE OUTLIM= PARAMETER ON THE SYSOUT DD STATEMENT. THE MAXIMUM NUMBER OF LOGICAL RECORDS SPECIFIED FOR THIS OUTPUT DATA SET.
113 (71)	SIGNED	1	JFCTHRSH	RECORDS TO BE USED
113 (71)	BITSTRING	1	JFCCPRI	PRIORITY BETWEEN SEND AND RECEIVE OPERATIONS (TCAM)
1...			JFCRSV53	X'80',,C'X' RESERVED
.1..			JFCRSV54	X'40',,C'X' RESERVED
..1.			JFCRSV55	X'20',,C'X' RESERVED
...1			JFCRSV33	X'10',,C'X' RESERVED
.... 1...			JFCRSV34	X'08',,C'X' RESERVED
.... .1..			JFCRECV	X'04' RECEIVE PRIORITY
.... ..1.			JFCEQUAL	X'02' EQUAL PRIORITY
....1			JFCSEND	X'01' SEND PRIORITY
114 (72)	SIGNED	2	JFCSOWA	LENGTH, IN BYTES, OF THE USER-PROVIDED WORK AREA (QTAM)
116 (74)	HEX	1	JFCBNTCS	NUMBER OF OVERFLOW TRACKS
117 (75)	HEX	1	JFCBNVOL	NUMBER OF VOLUME SERIAL NUMBERS
118 (76)	CHARACTER	30	JFCBVOLS	THE FIRST FIVE VOLUME SERIAL NUMBERS
118 (76)	CHARACTER	22		FIRST 22 BYTES OF JFCBVOLS
140 (8C)	CHARACTER	8	JFCMSVGP	MASS STORAGE VOLUME GROUP FROM WHICH TO SELECT A VOLUME

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
148 (94)	HEX	1	JFCBEXTL	LENGTH OF BLOCK OF EXTRA VOLUME SERIAL NUMBERS (BEYOND FIVE)
149 (95)	CHARACTER	3	JFCBEXAD	RELATIVE TRACK ADDRESS (TTR) OF FIRST JFCB EXTENSION BLOCK FOR VOLUME SERIAL NUMBERS OR TTR OF JFCB EXTENSION BLOCK FOR 3800
152 (98)	CHARACTER	3	JFCBPQTY	PRIMARY QUANTITY OF DIRECT ACCESS STORAGE REQUIRED
152 (98)	CHARACTER	3	JFCRUNIT	UNIT TYPE (EBCDIC) OF A DEVICE AT A REMOTE TERMINAL. THE FIRST TWO CHARACTERS ARE RD (READER), PR (PRINTER) OR PU (PUNCH). THE THIRD CHARACTER IS A NUMBER FROM 1 TO 9
155 (9B)	BITSTRING	1	JFCBCTRI	SPACE PARAMETERS
11..			JFCBSPAC	X'C0' BIT PATTERN FOR SPACE REQUESTS
....			JFCBABS	X'00' ABSTR REQUEST
.1..			JFCBAVR	X'40' AVERAGE BLOCK LENGTH REQUEST
1...			JFCBTRK	X'80' TRK REQUEST
11..			JFCBCYL	X'C0' CYL REQUEST
..1.			JFCBMSGP	X'20' REQUEST IS FOR A MASS STORAGE VOLUME GROUP (MSVGP) VOLUME
...1			JFCRSV29	X'10',,C'X' RESERVED
.... 1...			JFCONTIG	X'08' CONTIG REQUEST
.... .1..			JFCMIXG	X'04' MXIG REQUEST
.... ..1.			JFCALX	X'02' ALX REQUEST

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
....1			JFCROUND	X'01' ROUND REQUEST
156 (9C)	CHARACTER	3	JFCBSQTY	SECONDARY QUANTITY OF DIRECT ACCESS STORAGE REQUIRED
156 (9C)	SIGNED	2	JFCRQID	QUEUE IDENTIFICATION (QID) USED BY ACCESS METHOD TO DETERMINE THE REMOTE TERMINAL LOCATION FOR THIS JOB.
158 (9E)	HEX	1		LAST BYTE OF JFCBSQTY
159 (9F)	BITSTRING	1	JFCFLGS1	FLAG BYTE
1...			JFCBDLET	X'80' IF ONE, DELETE THE DATA SET USED WHEN EXTENDING THE JOB QUEUE OR SPOOL DATA SETS (OS/VS1)
.1..			JFCTOPEN	X'40' TAPE DATA SET HAS BEEN OPENED
..1.			JFCBADSP	X'20' AUTOMATIC DATA SET PROTECTION INDICATOR
...1			JFCBPROT	X'10' RACF PROTECT REQUESTED (OS/VS2)
.... 1...			JFCBCEOV	X'08' IF ONE, CHKPT=EOV SPECIFIED FOR THIS DATA SET
.... .1..			JFCVRDS	X'04' VIO DATA SET
.... ..1.			JFCRSV45	X'02',,C'X' RESERVED
....1			JFCBUAFF	X'01' UNIT AFFINITY SPECIFIED FOR THIS DATA SET
160 (A0)	CHARACTER	3	JFCBDQTY	QUANTITY OF DIRECT ACCESS STORAGE REQUIRED FOR A DIRECTORY OR AN EMBEDDED INDEX AREA
163 (A3)	A-ADDRESS	3	JFCBSPNM	MAIN STORAGE ADDRESS OF THE JFCB WITH WHICH CYLINDERS ARE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
163	(A3) BITSTRING	1	JFCBFLG3	SPLIT (OS/VS1) FLAG BYTE (OS/VS2)
	1...		JFCDQDSP	X'80' REQUEST DEQUEUE OF TAPE VOLUME WHEN DEMOUNTED
	.1..		JFCBEXP	X'40' EXPIRATION DATE SPECIFIED
	..1.		JFCBRV02	X'20',,C'X' RESERVED
	...1		JFCBRV03	X'10',,C'X' RESERVED
	.... 1...		JFCBRV04	X'08',,C'X' RESERVED
	.... .1..		JFCBRV05	X'04',,C'X' RESERVED
	.... ..1.		JFCBRV06	X'02',,C'X' RESERVED
	1		JFCBRV07	X'01',,C'X' RESERVED
164	(A4) SIGNED	2	JFCBRV08	RESERVED (OS/VS2)
166	(A6) SIGNED	2	JFCBABST	RELATIVE ADDRESS OF FIRST TRACK TO BE ALLOCATED
168	(A8) A-ADDRESS	3	JFCBSBNM	MAIN STORAGE ADDRESS OF THE JFCB FROM WHICH SPACE IS TO BE SUBALLOCATED
171	(AB) CHARACTER	3	JFCBDRLH	AVERAGE DATA BLOCK LENGTH
174	(AE) HEX	1	JFCBVLCT	VOLUME COUNT
175	(AF) HEX	1	JFCBSPTN	NUMBER OF TRACKS PER CYLINDER TO BE USED BY THIS DATA SET WHEN SPLIT CYLINDER IS INDICATED
	1.11		JFCBLGTH	176 LENGTH OF JFCB
0	(0) BAL STMT	0		

CROSS REFERENCE

JFCABN	92 X'20'	JFCBNTCS	116 (74)
JFCACC	92 X'80'	JFCBNVOL	117 (75)
JFCACT	101 X'08'	JFCBOPS1	72 (48)
JFCADDED	86 X'0C'	JFCBOPS2	79 (4F)
JFCALLOW	101 X'40'	JFCBOTTR	67 (43)
JFCALX	155 X'02'	JFCBPHEM	86 X'01'
JFCAMCRO	56 (38)	JFCBPQTY	152 (98)
JFCAMPTR	88 (58)	JFCBPROT	159 X'10'
JFCAMSTR	58 (3A)	JFCBPWBP	77 X'01'
JFCAMSYN	104 (68)	JFCBQNAM	0 (0)
JFCASA	100 X'04'	JFCBRLSE	86 X'40'
JFCASCII	93 X'04'	JFCBRV02	163 X'20'
JFCBABFS	95 (5F)	JFCBRV03	163 X'10'
JFCBABS	155 X'00'	JFCBRV04	163 X'08'
JFCBABST	166 (A6)	JFCBRV05	163 X'04'
JFCBADBF	60 (3C)	JFCBRV06	163 X'02'
JFCBADSP	159 X'20'	JFCBRV07	163 X'01'
JFCBAL	66 X'40'	JFCBRV08	164 (A4)
JFCBAVR	155 X'40'	JFCBRWPW	87 X'30'
JFCBAXBF	102 (66)	JFCBSBNM	168 (A8)
JFCBBFTA	89 X'60'	JFCBSCTY	87 X'10'
JFCBBFTR	89 X'20'	JFCBSPAC	155 X'C0'
JFCBBUFF	78 X'02'	JFCBSPNM	163 (A3)
JFCBCD	93 X'40'	JFCBSPTN	175 (AF)
JFCBCEOV	159 X'08'	JFCBSQTY	156 (9C)
JFCBCKPT	101 X'10'	JFCBSTAT	87 X'40'
JFCBCRDT	80 (50)	JFCBTRK	155 X'80'
JFCBCTRI	155 (9B)	JFCBTSDM	52 (34)
JFCBCYL	155 X'C0'	JFCBUAFF	159 X'01'
JFCBDLET	159 X'80'	JFCBUFIN	88 (58)
JFCBDQTY	160 (A0)	JFCBUFL	90 (5A)
JFCBDRLH	171 (AB)	JFCBUFMX	106 (6A)
JFCBDSCB	53 (35)	JFCBUFND	88 (58)
JFCBDSNM	0 (0)	JFCBUFOF	67 (43)
JFCBELNM	44 (2C)	JFCBUFRQ	88 (58)
JFCBEXAD	149 (95)	JFCBUFSI	102 (66)
JFCBEXP	163 X'40'	JFCBUR	93 X'10'
JFCBEXTL	148 (94)	JFCBVLCT	174 (AE)
JFCBEXTP	112 X'80'	JFCBVLSQ	70 (46)
JFCBFALN	89 (59)	JFCBVOLS	118 (76)
JFCBFLG1	77 (4D)	JFCBXPDT	83 (53)
JFCBFLG2	78 (4E)	JFCCAT	52 X'80'
JFCBFLG3	163 (A3)	JFCCBWU	101 X'20'
JFCBFLSQ	68 (44)	JFCCHAR	100 X'06'
JFCBFOFL	67 X'80'	JFCCODE	93 (5D)
JFCBFOUT	88 (58)	JFCCONV	93 X'13'
JFCBFRID	56 (38)	JFCCPRI	113 (71)
JFCBFSEQ	107 (6B)	JFCCYL	101 X'08'
JFCBFTEK	89 (59)	JFCCYLOF	110 (6E)
JFCBGDGA	87 X'04'	JFCDBUFN	111 (6F)
JFCBGNCP	89 (59)	JFCDEFER	78 X'20'
JFCBHIAR	89 (59)	JFCDEL	101 X'02'
JFCBIN	93 X'80'	JFCDEN	94 (5E)
JFCBIND1	86 (56)	JFCDISP	87 X'C0'
JFCBIND2	87 (57)	JFCDQDSP	163 X'80'
JFCBLGTH	175 X'B0'	JFCDSORG	98 (62)
JFCBLKSI	102 (66)	JFCDSRG1	98 (62)
JFCBLOCT	86 X'10'	JFCDSRG2	99 (63)
JFCBLP	66 X'10'	JFCDUAL	77 X'10'
JFCBLTM	66 X'20'	JFCDWORD	89 X'02'
JFCBLTYP	66 (42)	JFCDYN	89 X'08'
JFCBMASK	72 (48)	JFCEBCD	93 X'40'
JFCBMSGP	155 X'20'	JFCENT	87 X'04'
JFCBNEWV	86 X'04'	JFCEQUAL	113 X'02'

JFCBX

Common Name: Job File Control Block Extension
Macro ID: IEFJFCBX
DSECT Name: No DSECT card put out by macro
Created by: The interpreter
Subpool and Key: SWA (subpool 236 or 237) and key 1
Size: 176 bytes
Pointed to by: JFCBEXAD field of the JFCB data area
                SIOTJFX field of the SIOT data area
Serialization: None
Function: The JFCBX is used to record volume serial numbers
in excess of the five recorded in the JFCBVOLS field of the
JFCB.

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
0	(0)	CHARACTER	3	JFCBXTTR	DIRECT ACCESS ADDRESS FOR NEXT EXTENSION BLOCK
3	(3)	CHARACTER	1		RESERVED
4	(4)	CHARACTER	6	JFCBXVOL(15)	MAXIMUM NO. OF 15-SIX BYTE VOL. SER. NUMBERS
94	(5E)	CHARACTER	2		RESERVED
96	(60)	CHARACTER	44	JFCBXNAM	ALIAS NAME FOR DSNAME IN THE JFCB
140	(8C)	CHARACTER	4	JFCBXDEV	DEVICE TYPE RETRIEVED FROM CATALOG FOR RECATALOG
144	(90)	CHARACTER	28		RESERVED
172	(AC)	A-ADDRESS	4	JFCBXNXT	ADDRESS OF NEXT JFCB EXTENSION

JSCB

Common Name: Job Step Control Block
Macro ID: IEZJSCB
DSECT Name: IEZJSCB
Created by: IEESB606, IEESB601, IEFIB600
Subpool and Key: 253 and key 0
Size: 192 bytes
Pointed to by: TCBJSCB field of the TCB data area
LCTJSCB field of the LCT data area
JSCBJNL field of the JSCB data area
(initiated JSCB)
JSCBACT field of the JSCB data area (active
JSCB)
Serialization: None
Function: Communication of job- or step-related data items.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	IEZJSCB	

SECTION 1   DATA ITEMS USED IN OS/VS1 AND OS/VS2

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
188 (BC)	SIGNED	4	JSCRSV01	RESERVED
192 (C0)	A-ADDRESS	4	JSCHPCE	ADDRESS OF OPTIONAL JOB ENTRY SUBSYSTEM (JES) PROCESSOR CONTROL ELEMENT
192 (C0)	HEX	1	JSCRSV32	RESERVED
193 (C1)	A-ADDRESS	3	JSCHPCEA	ADDRESS OF OPTIONAL JOB ENTRY SUBSYSTEM (JES) PROCESSOR CONTROL ELEMENT
196 (C4)	A-ADDRESS	4	JSCBSHR	ADDRESS OF ASSEMBLY CHAIN (VSAM)
200 (C8)	A-ADDRESS	4	JSCBTCP	ADDRESS OF TIOT CHAINING ELEMENT CHAIN (VSAM)
204 (CC)	A-ADDRESS	4	JSCBPCC	ADDRESS OF PRIVATE CATALOG CONTROL BLOCK CHAIN (VSAM)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
208 (D0)	A-ADDRESS	4	JSCBTCBP	ADDRESS OF INITIATOR'S TCB (VSAM)
212 (D4)	A-ADDRESS	4	JSCBIJSC	ADDRESS OF JSCB OF THE INITIATOR THAT ATTACHED THIS JOB STEP (OS/VS1)
216 (D8)	A-ADDRESS	4	JSCBDBTB	ADDRESS OF THE DEB TABLE FOR THIS JOB STEP (OS/VS1)
220 (DC)	CHARACTER	4	JSCBID	JOB SERIAL NUMBER
224 (E0)	A-ADDRESS	4	JSCBDCB	ADDRESS OF DCB FOR DATA SET CONTAINING SCHEDULER TABLES FOR THIS JOB
224 (E0)	HEX	1	JSCRSV02	RESERVED
225 (E1)	A-ADDRESS	3	JSCBDCBA	ADDRESS OF DCB FOR DATA SET CONTAINING SCHEDULER TABLES FOR THIS JOB
228 (E4)	SIGNED	1	JSCBSTEP	CURRENT STEP NUMBER. THE FIRST STEP IS NUMBER 1.
229 (E5)	HEX	3	JSCRSV03	RESERVED
232 (E8)	CHARACTER	4	JSCBSECB	ECB FOR COMMUNICATION BETWEEN MAIN STORAGE SUPERVISOR AND THE INITIATOR
236 (EC)	BITSTRING	1	JSCBOPTS	OPTION SWITCHES
	1...		JSCRSV04	X'80',,C'X' RESERVED
	.1..		JSCRSV05	X'40',,C'X' RESERVED
	..1.		JSCBLONG	X'20' THE PARTITION CANNOT BE REDEFINED BECAUSE THE JOB OCCUPYING IT IS DEFINED AS LONG RUNNING (OS/VS1)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	...1		JSCRSV06	X'10',,C'X' RESERVED
	.... 1...		JSCRSV07	X'08',,C'X' RESERVED
	.... .1..		JSCRSV08	X'04',,C'X' RESERVED
	.... ..1.		JSCSIOTS	X'02' CHECKPOINT MUST SCAN SIOT
	1		JSCBAUTH	X'01' THE STEP REPRESENTED BY THIS JSCB IS AUTHORIZED TO ISSUE THE MODESET MACRO INSTRUCTION
237 (ED) HEX		3	JSCRSV10	RESERVED
240 (F0) HEX		3	JSCBTTTR	JOB QUEUE ADDRESS (TTR) OF TIOT EXTENSION (OS/VS2)
243 (F3) BITSTRING		1	JSCBSWT1	STATUS SWITCHES (OS/VS2)
	1...		JSCBPASS	X'80' WHEN THIS BIT IS SET TO ONE AND A CORRESPONDING BIT IN THE DCB IS SET TO ONE, OPEN WILL BYPASS PASSWORD PROTECTION FOR THE DATA SET BEING OPENED (OS/VS2)
	.1..		JSCRSV11	X'40',,C'X' RESERVED
	..1.		JSCRSV12	X'20',,C'X' RESERVED
	...1		JSCRSV13	X'10',,C'X' RESERVED
	.... 1...		JSCRSV14	X'08',,C'X' RESERVED
	.... .1..		JSCRSV15	X'04',,C'X' RESERVED
	.... ..1.		JSCRSV16	X'02',,C'X' RESERVED
	1		JSCBPMSG	X'01' A MESSAGE HAS BEEN ISSUED BECAUSE THE DUMP DATA SET WAS NOT SUCCESSFULLY OPENED. PREVENTS USE OF MULTIPLE SMB'S FOR MULTIPLE OPEN

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				FAILURES IN JOB STEP. (OS/VS2)
244 (F4)	A-ADDRESS	4	JSCBQMPI	ADDRESS OF THE QUEUE MANAGER PARAMETER AREA (QMPA) FOR THE JOB'S INPUT QUEUE TABLE ENTRIES (OS/VS2)
248 (F8)	A-ADDRESS	4		RESERVED (WAS JSCBQMPO)
252 (FC)	CHARACTER	4	JSCBWTP	WRITE-TO-PROGRAMMER (WTP) DATA
252 (FC)	BITSTRING	1	JSCBWTFG	FLAGS USED BY WTP SUPPORT
	1...		JSCBIOFG	X'80' THE PREVIOUS WTP I/O OPERATION HAD AN I/O ERROR
	.1..		JSCBRET	X'40' TEXT BREAKING INDICATOR, ADDITIONAL MESSAGE TEXT SCANNING REQUIRED (OS/VS1)
	..1.		JSCRSV18	X'20',,C'X' RESERVED
	...1		JSCRSV19	X'10',,C'X' RESERVED
	.... 1...		JSCRSV20	X'08',,C'X' RESERVED
	.... .1..		JSCRSV21	X'04',,C'X' RESERVED
	.... ..1.		JSCRSV22	X'02',,C'X' RESERVED
	1		JSCRSV23	X'01',,C'X' RESERVED
253 (FD)	SIGNED	1	JSCBWTSP	NUMBER OF THE LAST JOB STEP TO ISSUE WTP
254 (FE)	SIGNED	2	JSCBPMG	NUMBER OF WTP OPERATIONS ISSUED FOR THE STEP IDENTIFIED BY JSCBWTSP
256 (100)	A-ADDRESS	4	JSCBCSCB	ADDRESS OF COMMAND SCHEDULING CONTROL BLOCK (CSCB) USED TO PROCESS COMMANDS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				RECEIVED FOR THIS JOB STEP

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SECTION 2   DATA ITEMS USED ONLY IN OS/VS1

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CURRENTLY NO OS/VS1 ONLY DATA ITEMS

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SECTION 3   DATA ITEMS USED ONLY IN OS/VS2

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
260 (104) SIGNED		4	JSCBJCT	TTR OF JOB'S JCT
260 (104) HEX		1	JSCRSV24	RESERVED
261 (105) CHARACTER		3	JSCJCTP	ALIAS FOR JSCBJCTA
261 (105) CHARACTER		3	JSCBJCTA	TTR OF JOB'S JCT
264 (108) A-ADDRESS		4	JSCBPSCB	ADDRESS OF TSO PROTECTED STEP CONTROL BLOCK
268 (10C) SIGNED		2	JSCBASID	ADDRESS SPACE IDENTIFIER
268 (10C) SIGNED		2	JSCBTJID	TSO TERMINAL JOB IDENTIFIER
270 (10E) BITSTRING		1	JSCBFBYT	FLAG BYTE
	1...		JSCBRV01	X'80',,C'X' RESERVED
	.1..		JSCBADSP	X'40' AUTOMATIC DATA SET PROTECTION FOR THIS USER
	..1.		JSCBRV02	X'20',,C'X' RESERVED
	...1		JSCBRV03	X'10',,C'X' RESERVED
	.... 1...		JSCBRV04	X'08',,C'X' RESERVED
	.... .1..		JSCBRV05	X'04',,C'X' RESERVED
	.... ..1.		JSCBRV06	X'02',,C'X' RESERVED
	1		JSCBRV07	X'01',,C'X' RESERVED
271 (10F) HEX		1	JSCBRV08	RESERVED
272 (110) SIGNED		4	JSCBIECB	ECB USED FOR COMMUNICATION BETWEEN DYNAMIC ALLOCATION AND THE INITIATOR IN ORDER TO PERFORM DATA SET INTEGRITY

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
276 (114)	CHARACTER	8	JSCBJRBA	JOB JOURNAL RELATIVE BYTE ADDRESS (RBA)
284 (11C)	A-ADDRESS	4		RESERVED (WAS JSCBSWAB)
288 (120)	A-ADDRESS	4	JSCBJNL	INITIATOR JSCB ONLY ADDRESS OF JSCB FOR STEP BEING INITIATED. OTHERWISE, ZERO
288 (120)	BITSTRING	1	JSCBJJSB	JOB JOURNAL STATUS INDICATORS
1...			JSCBJNLN	X'80' NOTHING SHOULD BE WRITTEN IN JOURNAL
.1..			JSCBJNLF	X'40' NO JOB JOURNAL
..1.			JSCBJNLE	X'20' ERROR IN JOURNAL, DO NOT WRITE

EQU X'10' -   RESERVED (WAS JSCBJSBJ)

.... 1...			JSCBJSBI	X'08' JOB HAS NOT ENTERED ALLOCATION FOR THE FIRST TIME
.... .1..			JSCBJSBA	X'04' JOB HAS ENTERED ALLOCATION
.... ..1.			JSCBJSBX	X'02' JOB HAS COMPLETED ALLOCATION
....1			JSCBJSBT	X'01' JOB HAS ENTERED TERMINATION
289 (121)	A-ADDRESS	3	JSCBJNLA	INITIATOR JSCB ONLY ADDRESS OF JSCB FOR STEP BEING INITIATED. OTHERWISE, ZERO
292 (124)	A-ADDRESS	4	JSCBJNLR	POINTER TO JOB JOURNAL RPL
296 (128)	A-ADDRESS	4	JSCBSMLR	ADDRESS OF SYSTEM MESSAGE DATA SET RPL
300 (12C)	A-ADDRESS	4	JSCBSUB	ADDRESS OF JES-SUBTL FOR THIS JOB STEP
300 (12C)	HEX	1	JSCRSV31	RESERVED

JSCB   JSCB

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
301 (12D)	A-ADDRESS	3	JSCBSUBA	ADDRESS OF JES-SUBTL FOR THIS JOB STEP
304 (130)	SIGNED	2	JSCBSONO	THE NUMBER OF SYSOUT DATA SETS PLUS ONE
306 (132)	SIGNED	2	JSCRSV28	RESERVED
308 (134)	CHARACTER	8	JSCBFRBA	RELATIVE BYTE ADDRESS (RBA) OF THE FIRST JOURNAL BLOCK
316 (13C)	A-ADDRESS	4	JSCBSSIB	ADDRESS OF THE SUBSYSTEM IDENTIFICATION BLOCK
320 (140)	A-ADDRESS	4	JSCDSABQ	ADDRESS OF QDB FOR DSAB CHAIN
324 (144)	A-ADDRESS	4	JSCRSV54	RESERVED
328 (148)	SIGNED	4	JSCSCT	TTR OF SCT
328 (148)	HEX	1	JSCRSV55	RESERVED
329 (149)	CHARACTER	3	JSCSCTP	TTR OF SCT
332 (14C)	A-ADDRESS	4	JSCTMCOR	ADDRESS OF TIOT MAIN STORAGE MANAGEMENT AREA
336 (150)	A-ADDRESS	4	JSCBVATA	ADDRESS OF VAT USED DURING SYSTEM RESTART OR AUTOMATIC RESTART
340 (154)	SIGNED	2	JSCDDNNO	COUNTER USED BY DYNAMIC ALLOCATION TO GENERATE DD NAMES
342 (156)	SIGNED	2	JSCRSV53	RESERVED
344 (158)	SIGNED	2	JSCDDNUM	NUMBER OF DD ENTRIES CURRENTLY ALLOCATED INCLUDING IN USE AND NOT IN USE ENTRIES
346 (15A)	HEX	1	JSCRSV33	RESERVED
347 (15B)	SIGNED	1	JSCBSWSP	SWA SUBPOOL
348 (15C)	A-ADDRESS	4	JSCBACT	POINTER TO ACTIVE JSCB

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
352	(160)	A-ADDRESS	4	JSCBUFPT	ADDRESS OF ALLOCATION/UNAL LOCATION WRITE-TO-PROGRA MMER BUFFER
356	(164)	A-ADDRESS	4	JSCBASWA	POINTER TO THE LAST ALLOCATION ESTAE WORK AREA
360	(168)	A-ADDRESS	4	JSCRSV42	RESERVED
364	(16C)	A-ADDRESS	4	JSCRSV43	RESERVED
368	(170)	A-ADDRESS	4	JSCRSV44	RESERVED
372	(174)	SIGNED	4	JSCRSV45	RESERVED
372	(174)	SIGNED	2	JSCRSV46	RESERVED
372	(174)	BITSTRING	1	JSCRSV48	RESERVED
373	(175)	BITSTRING	1	JSCRSV49	RESERVED
374	(176)	SIGNED	2	JSCRSV47	RESERVED
374	(176)	BITSTRING	1	JSCRSV50	RESERVED
375	(177)	BITSTRING	1	JSCRSV51	RESERVED
376	(178)	A-ADDRESS	4	JSCRSV52	RESERVED

END OF JSCB

LCCA

Common Name: Logical Configuration Communication Area
Macro ID: IHALCCA
DSECT Name: LCCA
Created by: IEAVNIPO, IEAVCPU
Subpool and Key: 245 and key 0
Size: 968 bytes
Pointed to by: PSALCCAV field of the PSA data area
PSALCCAR field of the PSA data area
LCCATxxP field of the LCCAVT data area
(where xx is the processor number)
LCCADCPU field of the LCCA data area
(failing processor's LCCA)
LCCARCPU field of the LCCA data area
(recovering processor's LCCA)
Serialization: Disablement
Function: Contains information about processors in the
system that is needed by LCCA routines.

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
0	(0)	STRUCTURE	0	LCCA	
0	(0)	CHARACTER	4	LCCALCCA	CONTROL BLOCK ACRONYM IN EBCDIC
4	(4)	SIGNED	2	LCCACPUA	LOGICAL CPU ADDRESS
6	(6)	SIGNED	2	LCCARV77	RESERVED
8	(8)	SIGNED	4	LCCAPGR1(16)	PROGRAM CHECK FLIH REGISTER SAVE AREA 1
72	(48)	SIGNED	4	LCCAPGR2(16)	PROGRAM CHECK FLIH REGISTER SAVE AREA 2
136	(88)	HEX	8	LCCAPPSW	PROGRAM CHECK FLIH PSW SAVE AREA
144	(90)	SIGNED	4	LCCAPINT	PROGRAM CHECK FLIH ILC AND INTERRUPT CODE SAVE AREA
148	(94)	SIGNED	4	LCCAPVAD	TRANSLATION EXCEPTION ADDRESS SAVE AREA
152	(98)	SIGNED	4	LCCAMCR1	MASTER MEMORY'S STOR REGISTER VALUE
156	(9C)	SIGNED	4	LCCACR0	WORK AREA FOR TESTING BITS IN CONTROL REGISTER 0

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
160 (A0)	SIGNED	4	LCCAXGR1(16)	EXTERNAL FLIH REGISTER SAVE AREA 1
224 (E0)	SIGNED	4	LCCAXGR2(16)	EXTERNAL FLIH REGISTER SAVE AREA 2
288 (120)	SIGNED	4	LCCAXGR3(16)	EXTERNAL FLIH REGISTER SAVE AREA 3
352 (160)	SIGNED	4	LCCARSGR(16)	RESTART FLIH REGISTER SAVE AREA
416 (1A0)	SIGNED	4	LCCAR126	RESERVED
420 (1A4)	SIGNED	4	LCCAR127	RESERVED
424 (1A8)	SIGNED	4	LCCAR128	RESERVED
428 (1AC)	SIGNED	4	LCCAR129	RESERVED
432 (1B0)	SIGNED	4	LCCAR130	RESERVED
436 (1B4)	SIGNED	4	LCCAR131	RESERVED
440 (1B8)	SIGNED	4	LCCAR132	RESERVED
444 (1BC)	SIGNED	4	LCCAR133	RESERVED
448 (1C0)	SIGNED	4	LCCAGPGR(16)	I/O AND SVC FLIH REGISTER SAVE AREA
512 (200)	HEX	8	LCCAIOPS	I/O FLIH PSW SAVE AREA
520 (208)	BITSTRING	4	LCCAIHRC	GENERAL FLIH RECURSION FLAGS
520 (208)	HEX	1	LCCAIHR1	FIRST BYTE OF LCCAIHRC
1...			LCCAXRC1	X'80' EXTERNAL FLIH RECURSION BIT 1
.1..			LCCAXRC2	X'40' EXTERNAL FLIH RECURSION BIT 2
..1.			LCCAPDAT	X'20' PROGRAM CHECK FLIH DAT RECURSION BIT
...1			LCCAPSG1	X'10' PROGRAM CHECK FLIH SEGMENT RECURSION BIT
.... 1...			LCCAPPIE	X'08' PROGRAM CHECK FLIH SPIE PROCESS RECURSION BIT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... .1..			LCCARV01	X'04',,C'X' RESERVED
.... ..1.			LCCARV02	X'02',,C'X' RESERVED
....1			LCCARV03	X'01',,C'X' RESERVED
521 (209) HEX		1	LCCAIHR2	SECOND BYTE OF LCCAIHRC
1...			LCCARV04	X'80',,C'X' RESERVED
.1..			LCCARV05	X'40',,C'X' RESERVED
..1.			LCCARV06	X'20',,C'X' RESERVED
...1			LCCARV07	X'10',,C'X' RESERVED
.... 1...			LCCARV08	X'08',,C'X' RESERVED
.... .1..			LCCARV09	X'04',,C'X' RESERVED
.... ..1.			LCCARV10	X'02',,C'X' RESERVED
....1			LCCARV11	X'01',,C'X' RESERVED
522 (20A) HEX		1	LCCAIHR3	THIRD BYTE OF LCCAIHRC
1...			LCCARV12	X'80',,C'X' RESERVED
.1..			LCCARV13	X'40',,C'X' RESERVED
..1.			LCCARV14	X'20',,C'X' RESERVED
...1			LCCARV15	X'10',,C'X' RESERVED
.... 1...			LCCARV16	X'08',,C'X' RESERVED
.... .1..			LCCARV17	X'04',,C'X' RESERVED
.... ..1.			LCCARV18	X'02',,C'X' RESERVED
....1			LCCARV19	X'01',,C'X' RESERVED
523 (20B) HEX		1	LCCAIHR4	FOURTH BYTE OF LCCAIHRC
1...			LCCARV20	X'80',,C'X' RESERVED
.1..			LCCARV21	X'40',,C'X' RESERVED
..1.			LCCARV22	X'20',,C'X' RESERVED
...1			LCCARV23	X'10',,C'X' RESERVED
.... 1...			LCCARV24	X'08',,C'X' RESERVED
.... .1..			LCCARV25	X'04',,C'X' RESERVED
.... ..1.			LCCARV26	X'02',,C'X' RESERVED
....1			LCCARV27	X'01',,C'X' RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
524 (20C)	BITSTRING	4	LCCASPIN	PROCESSOR IS SPINNING INDICATORS
524 (20C)	HEX	1	LCCASPN1	FIRST BYTE OF LCCASPIN
1...			LCCAPTLB	X'80' PTLB PROCESSOR SPIN BIT
.1..			LCCASIGP	X'40' SIGP PROCESSOR SPIN BIT
..1.			LCCALOCK	X'20' LOCK MANAGER SPIN BIT
...1			LCCATSPN	X'10' SIMULATES SPIN FOR TIMER SUPERVISOR AT VARY TIME
.... 1...			LCCARSTR	X'08' USED BY A PROGRAM SPINNING FOR THE RESTART RESOURCE
.... .1..			LCCAMFIO	X'04' MF/1 IOS INITIALIZATION SPIN BIT USED BY MF/1 EMERGENCY SIGNAL (EMS) AND MALFUNCTION ALERT (MFA)
.... ..1.			LCCARV30	X'02',,C'X' RESERVED
....1			LCCARV31	X'01',,C'X' RESERVED
525 (20D)	HEX	1	LCCASPN2	SECOND BYTE OF LCCASPIN
1...			LCCARV32	X'80',,C'X' RESERVED
.1..			LCCARV33	X'40',,C'X' RESERVED
..1.			LCCARV34	X'20',,C'X' RESERVED
...1			LCCARV35	X'10',,C'X' RESERVED
.... 1...			LCCARV36	X'08',,C'X' RESERVED
.... .1..			LCCARV37	X'04',,C'X' RESERVED
.... ..1.			LCCARV38	X'02',,C'X' RESERVED
....1			LCCARV39	X'01',,C'X' RESERVED
526 (20E)	HEX	1	LCCASPN3	THIRD BYTE OF LCCASPIN
1...			LCCARV40	X'80',,C'X' RESERVED
.1..			LCCARV41	X'40',,C'X' RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			LCCARV42	X'20',,C'X' RESERVED
...1			LCCARV43	X'10',,C'X' RESERVED
.... 1...			LCCARV44	X'08',,C'X' RESERVED
.... .1..			LCCARV45	X'04',,C'X' RESERVED
.... ..1.			LCCARV46	X'02',,C'X' RESERVED
....1			LCCARV47	X'01',,C'X' RESERVED
527 (20F) HEX		1	LCCASPN4	FOURTH BYTE OF LCCASPIN
1...			LCCARV48	X'80',,C'X' RESERVED
.1..			LCCARV49	X'40',,C'X' RESERVED
..1.			LCCARV50	X'20',,C'X' RESERVED
...1			LCCARV51	X'10',,C'X' RESERVED
.... 1...			LCCARV52	X'08',,C'X' RESERVED
.... .1..			LCCARV53	X'04',,C'X' RESERVED
.... ..1.			LCCARV54	X'02',,C'X' RESERVED
....1			LCCARV55	X'01',,C'X' RESERVED
528 (210) SIGNED		4	LCCAESSA	EMERGENCY SIGNAL SLIH SAVE AREA FOR EXTERNAL FLIH RETURN ADDRESS
532 (214) SIGNED		4	LCCAASCP	SAVE AREA FOR ISSUING PROCESSOR'S PCCA ADDRESS
536 (218) A-ADDRESS		4	LCCACPUS	POINTER TO CPU WORK/SAVE AREA VECTOR TABLE
540 (21C) HEX		1	LCCADSF1	DISPATCHER STATUS INDICATOR BYTE 1
1...			LCCAACR	X'80' ACR IN PROGRESS
.1..			LCCAVCPU	X'40' VARY CPU IN PROGRESS
..1.			LCCADSS	X'20' IF ON, INDICATES TO THE DISPATCHER THAT DSS IS WAITING TO BE ACTIVATED AND A MEMORY SWITCH MUST BE PERFORMED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
...1			LCCATIMR	X'10' CPU'S TOD CLOCK IS TO BE OR IS BEING SYNCHRONIZED
.... 1...			LCCARV58	X'08',,C'X' RESERVED
.... .1..			LCCARV59	X'04',,C'X' RESERVED
.... ..1.			LCCARV60	X'02',,C'X' RESERVED
....1			LCCARV61	X'01',,C'X' RESERVED
541 (21D) HEX		1	LCCADSF2	DISPATCHER STATUS INDICATOR BYTE 2
1...			LCCASRBM	X'80' SRB MODE INDICATOR
.1..			LCCAGSRB	X'40' GLOBAL SRB-MODE INDICATOR
..1.			LCCADSPL	X'20' LOCAL LOCK GOTTEN BY DISPATCHER
...1			LCCADSRW	X'10' DISPATCHER HAS DISPATCHED READY WORK
.... 1...			LCCARV64	X'08',,C'X' RESERVED
.... .1..			LCCARV65	X'04',,C'X' RESERVED
.... ..1.			LCCARV66	X'02',,C'X' RESERVED
....1			LCCARV67	X'01',,C'X' RESERVED
542 (21E) HEX		1	LCCAPSMK	STORE AREA FOR FLIH'S STOSM INSTRUCTION
543 (21F) HEX		1	LCCARV68	RESERVED
544 (220) SIGNED		4		ALIGN LCCASPSA TO FULL WORD
544 (220) CHARACTER		48	LCCASPSA	REGISTER SAVE AREA FOR INTER-CPU COMMUNICATION
544 (220) SIGNED		4	LCCADSR2	IEAVEDR'S CALLER'S REGISTER 2
548 (224) SIGNED		4	LCCADSR3	IEAVEDR'S CALLER'S REGISTER 3
552 (228) SIGNED		4	LCCADSR4	IEAVEDR'S CALLER'S REGISTER 4

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
556 (22C)	SIGNED	4	LCCADSR5	IEAVEDR'S CALLER'S REGISTER 5
560 (230)	SIGNED	4	LCCARPR2	IEAVERP'S CALLER'S REGISTER 2
564 (234)	SIGNED	4	LCCARPR3	IEAVERP'S CALLER'S REGISTER 3
568 (238)	SIGNED	4	LCCARPR4	IEAVERP'S CALLER'S REGISTER 4
572 (23C)	SIGNED	4	LCCARPR5	IEAVERP'S CALLER'S REGISTER 5
576 (240)	SIGNED	4	LCCARIR2	IEAVERI'S CALLER'S REGISTER 2
580 (244)	SIGNED	4	LCCARIR3	IEAVERI'S CALLER'S REGISTER 3
584 (248)	SIGNED	4	LCCARIR4	IEAVERI'S CALLER'S REGISTER 4
588 (24C)	SIGNED	4	LCCARIR5	IEAVERI'S CALLER'S REGISTER 5
592 (250)	FLOATING	8		ALIGN LCCASTOD TO DOUBLE WORD
592 (250)	HEX	8	LCCASTOD	TOD AT LAST TASK TIME INTERVAL
600 (258)	FLOATING	8		ALIGN LCCADTOD TO DOUBLE WORD
600 (258)	HEX	8	LCCADTOD	TOD VALUE WHEN TCB IS DISPATCHED
608 (260)	FLOATING	8		ALIGN LCCAITOD TO DOUBLE WORD
608 (260)	HEX	8	LCCAITOD	TOD VALUE WHEN I/O OR EXTERNAL INTERRUPT
616 (268)	FLOATING	8		ALIGN LCCAWTIM TO DOUBLE WORD

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
616 (268)	HEX	8	LCCAWTIM	ACCUMULATED CPU WAIT TIME
624 (270)	SIGNED	4	LCCADSS1(3)	GENERAL REGISTERS 15-1 AS SAVED BY DSS PROGRAM OR SVC INTERRUPT HANDLER
636 (27C)	SIGNED	4	LCCADSS2(3)	GENERAL REGISTERS 15-1 AS SAVED BY DSS I/O OR EXTERNAL INTERRUPT HANDLER
648 (288)	SIGNED	4	LCCADSS3(3)	GENERAL REGISTERS 15-1 AS SAVED BY DSS MACHINE CHECK INTERRUPT HANDLER
660 (294)	SIGNED	4	LCCADSSC(2)	DSS CONTROL REGISTERS 0 AND 1 SAVE AREA
668 (29C)	SIGNED	4	LCCADSSR	DSS CONTROL REGISTER 14 SAVE AREA
672 (2A0)	SIGNED	4	LCCASRBJ	SUSPENDED SERVICE REQUEST BLOCK (SRB) JOURNAL WORD USED BY SETLOCK
676 (2A4)	A-ADDRESS	4	LCCADCPU	VIRTUAL ADDRESS OF LCCA OF FAILING CPU
680 (2A8)	A-ADDRESS	4	LCCARCPU	VIRTUAL ADDRESS OF LCCA OF RECOVERING CPU
684 (2AC)	SIGNED	4	LCCACRLC	ACR SAVE AREA FOR HIGHEST LOCK HELD INDICATOR
688 (2B0)	SIGNED	4	LCCALCR0	SAVE AREA FOR CONTROL REGISTER 0 FOR SETLOCK
692 (2B4)	HEX	1	LCCACRFL	ACR FLAGS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	1...		LCCACRTM	X'80' RTM ENTRY BIT
	.1..		LCCACLMS	X'40' PROCESS SUSPENDED
	..1.		LCCARV69	X'20',,C'X' RESERVED
	...1		LCCARV70	X'10',,C'X' RESERVED
	.... 1...		LCCARV71	X'08',,C'X' RESERVED
	.... .1..		LCCARV72	X'04',,C'X' RESERVED
	.... ..1.		LCCARV73	X'02',,C'X' RESERVED
	1		LCCAVARY	X'01' TELLS ACR THAT VARY IS IN PROGRESS
693 (2B5) HEX		1	LCCACREX	ACR ENTRY AND EXIT FLAGS
	1...		LCCACREF	X'80' EXTERNAL ROUTINE
	.1..		LCCACRRM	X'40' FINAL EXIT
	..1.		LCCACRLE	X'20' LOCK MANAGER EXIT
	...1		LCCACRRT	X'10' FRR EXIT
	.... 1...		LCCACRIN	X'08' ENTRY TYPE = ACR
	.... .1..		LCCACRLM	X'04' ENTRY TYPE = ACRLM
	.... ..1.		LCCACRDP	X'02' ENTRY TYPE = ACRDISP
	1		LCCACRST	X'01' SYSTERM TERMINATION EXIT FLAG
694 (2B6) HEX		1	LCCALKFG	LOCK FLAG BYTE
	1...		LCCALKDP	X'80' DISPATCHER LOCK OBTAINED BY SETLOCK
	.1..		LCCALKSA	X'40' STORAGE ALLOCATION LOCK OBTAINED BY SETLOCK
	..1.		LCCALKAQ	X'20' ASCB BEING QUEUED TO THE SUSPEND QUEUE BY SETLOCK
	...1		LCCALKRD	X'10' THIS IS A LOCK MANAGER RELEASE DISABLED REQUEST
	.... 1...		LCCARV84	X'08',,C'X' RESERVED
	.... .1..		LCCARV85	X'04',,C'X' RESERVED
	.... ..1.		LCCARV86	X'02',,C'X' RESERVED
	1		LCCARV87	X'01',,C'X' RESERVED
695 (2B7) HEX		1	LCCARV88	RESERVED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
696 (2B8)	SIGNED	4	LCCAPINV	SAVE AREA FOR CONTROL REGISTER WHEN OPEN WINDOW INTERFACE TO EXTERNAL FLIH IS INVOKED BY PTLB PROCESSOR
700 (2BC)	SIGNED	4	LCCARV78	RESERVED
704 (2C0)	FLOATING	8		ALIGN LCCALWTM TO DOUBLE WORD
704 (2C0)	HEX	8	LCCALWTM	VALUE OF LCCANTIM AT THE END OF A MEASUREMENT INTERVAL
712 (2C8)	SIGNED	4	LCCAICR0	SAVE AREA FOR CONTROL REGISTER 0 FOR IPC
716 (2CC)	SIGNED	4	LCCAECSA	EXTERNAL CALL'S SLIH SAVE AREA FOR EXTERNAL FLIH RETURN REGISTER
720 (2D0)	FLOATING	8		ALIGN LCCASRBF TO DOUBLE WORD
720 (2D0)	CHARACTER	8	LCCASRBF	SRB FIELDS
720 (2D0)	SIGNED	2	LCCASAFN	CPU AFFINITY IF IN SRB MODE
722 (2D2)	HEX	6	LCCAPGTA	ASID/TCB IF IN SRB MODE
728 (2D8)	SIGNED	4	LCCARV89	RESERVED
732 (2DC)	HEX	4	LCCAASID	IOS RTM ADDRESS SPACE IDENTIFIER (ASID) IF IN DISABLED INTERRUPT EXIT (DIE) CODE. OTHERWISE, ZERO.
736 (2E0)	FLOATING	8		ALIGN LCCAIRT TO DOUBLE WORD
736 (2E0)	HEX	128	LCCAIRT	IOS RECOVERY TABLE DESCRIBING ACTIVE REQUESTS, LOCKS, ETC.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
864 (360) SIGNED		4	LCCASMQJ	GLOBAL SERVICE MANAGER QUEUE (GSMQ) AND LOCAL SERVICE MANAGER QUEUE (LSMQ) JOURNAL WORD USED BY DISPATCHER AND SCHEDULE
868 (364) SIGNED		4	LCCASPLJ	GLOBAL SYSTEM PRIORITY LIST (GSPL) AND LOCAL SYSTEM PRIORITY LIST (LSPL) JOURNAL WORD USED BY DISPATCHER
872 (368) SIGNED		4	LCCAESS2	EMERGENCY SIGNAL SLIH SAVE AREA FOR EXTERNAL FLIH'S RETURN ADDRESS ON RECURSIVE ENTRIES
876 (36C) SIGNED		4	LCCAR103	RESERVED
880 (370) FLOATING		8		ALIGN LCCADRT1 TO DOUBLE WORD
880 (370) HEX		8	LCCADRT1	TIME OF DAY (TOD) ON FIRST SIGP BUSY CONDITION
888 (378) FLOATING		8		ALIGN LCCADRT2 TO DOUBLE WORD
888 (378) HEX		8	LCCADRT2	TIME OF DAY (TOD) ON SUBSEQUENT SIGP BUSY CONDITION
896 (380) SIGNED		4	LCCASGPR(16)	SVC FLIH GENERAL REGISTER SAVE AREA
960 (3C0) SIGNED		4	LCCAR124	RESERVED
964 (3C4) SIGNED		4	LCCAR125	RESERVED

Name	Value	Name	Value
LCCA	0 (0)	LCCAPGR1	8 (8)
LCCAACR	540 X'80'	LCCAPGR2	72 (48)
LCCAASCP	532(214)	LCCAPGTA	722(2D2)
LCCAASID	732(2DC)	LCCAPINT	144 (90)
LCCACLMS	692 X'40'	LCCAPINV	696(2B8)
LCCACPUA	4 (4)	LCCAPPIE	520 X'08'
LCCACPUS	536(218)	LCCAPPSW	136 (88)
LCCACRDP	693 X'02'	LCCAPSG1	520 X'10'
LCCACREF	693 X'80'	LCCAPSMK	542(21E)
LCCACREX	693(2B5)	LCCAPTLB	524 X'80'
LCCACRFL	692(2B4)	LCCAPVAD	148 (94)
LCCACRIN	693 X'08'	LCCARCPU	680(2A8)
LCCACRLC	684(2AC)	LCCARIR2	576(240)
LCCACRLE	693 X'20'	LCCARIR3	580(244)
LCCACRLM	693 X'04'	LCCARIR4	584(248)
LCCACRRM	693 X'40'	LCCARIR5	588(24C)
LCCACRRT	693 X'10'	LCCARPR2	560(230)
LCCACRST	693 X'01'	LCCARPR3	564(234)
LCCACRTM	692 X'80'	LCCARPR4	568(238)
LCCACR0	156 (9C)	LCCARPR5	572(23C)
LCCADCPU	676(2A4)	LCCARSGR	352(160)
LCCADRT1	880(370)	LCCARSTR	524 X'40'
LCCADRT2	888(378)	LCCARV01	520 X'04'
LCCADSF1	540(21C)	LCCARV02	520 X'02'
LCCADSF2	541(21D)	LCCARV03	520 X'01'
LCCADSPL	541 X'20'	LCCARV04	521 X'80'
LCCADSRW	541 X'10'	LCCARV05	521 X'40'
LCCADSR2	544(220)	LCCARV06	521 X'20'
LCCADSR3	548(224)	LCCARV07	521 X'10'
LCCADSR4	552(228)	LCCARV08	521 X'08'
LCCADSR5	556(22C)	LCCARV09	521 X'04'
LCCADSS	540 X'20'	LCCARV10	521 X'02'
LCCADSSC	660(294)	LCCARV11	521 X'01'
LCCADSSR	668(29C)	LCCARV12	522 X'80'
LCCADSS1	624(270)	LCCARV13	522 X'40'
LCCADSS2	636(27C)	LCCARV14	522 X'20'
LCCADSS3	648(288)	LCCARV15	522 X'10'
LCCADTOD	600(258)	LCCARV16	522 X'08'
LCCAECSA	716(2CC)	LCCARV17	522 X'04'
LCCAESSA	528(210)	LCCARV18	522 X'02'
LCCAESS2	872(368)	LCCARV19	522 X'01'
LCCAGPGR	448(1C0)	LCCARV20	523 X'80'
LCCAGSRB	541 X'40'	LCCARV21	523 X'40'
LCCAICRO	712(2C8)	LCCARV22	523 X'20'
LCCAIHRC	520(208)	LCCARV23	523 X'10'
LCCAIHR1	520(208)	LCCARV24	523 X'08'
LCCAIHR2	521(209)	LCCARV25	523 X'04'
LCCAIHR3	522(20A)	LCCARV26	523 X'02'
LCCAIHR4	523(20B)	LCCARV27	523 X'01'
LCCAIOPS	512(200)	LCCARV30	524 X'02'
LCCAIRT	736(2E0)	LCCARV31	524 X'01'
LCCAITOD	608(260)	LCCARV32	525 X'80'
LCCALCCA	0 (0)	LCCARV33	525 X'40'
LCCALCRO	688(2B0)	LCCARV34	525 X'20'
LCCALKAQ	694 X'20'	LCCARV35	525 X'10'
LCCALKDP	694 X'80'	LCCARV36	525 X'08'
LCCALKFG	694(2B6)	LCCARV37	525 X'04'
LCCALKRD	694 X'10'	LCCARV38	525 X'02'
LCCALKSA	694 X'40'	LCCARV39	525 X'01'
LCCALOCK	524 X'20'	LCCARV40	526 X'80'
LCCALHTM	704(2C0)	LCCARV41	526 X'40'
LCCAMCR1	152 (98)	LCCARV42	526 X'20'
LCCAMFIO	524 X'04'	LCCARV43	526 X'10'
LCCAPDAT	520 X'20'	LCCARV44	526 X'08'

LCCARV45	526 X'04'	LCCAXGR1	160 (A0)
LCCARV46	526 X'02'	LCCAXGR2	224 (E0)
LCCARV47	526 X'01'	LCCAXGR3	288(120)
LCCARV48	527 X'80'	LCCAXRC1	520 X'80'
LCCARV49	527 X'40'	LCCAXRC2	520 X'40'
LCCARV50	527 X'20'		
LCCARV51	527 X'10'		
LCCARV52	527 X'08'		
LCCARV53	527 X'04'		
LCCARV54	527 X'02'		
LCCARV55	527 X'01'		
LCCARV58	540 X'08'		
LCCARV59	540 X'04'		
LCCARV60	540 X'02'		
LCCARV61	540 X'01'		
LCCARV64	541 X'08'		
LCCARV65	541 X'04'		
LCCARV66	541 X'02'		
LCCARV67	541 X'01'		
LCCARV68	543(21F)		
LCCARV69	692 X'20'		
LCCARV70	692 X'10'		
LCCARV71	692 X'08'		
LCCARV72	692 X'04'		
LCCARV73	692 X'02'		
LCCARV77	6 (6)		
LCCARV78	700(2BC)		
LCCARV84	694 X'08'		
LCCARV85	694 X'04'		
LCCARV86	694 X'02'		
LCCARV87	694 X'01'		
LCCARV88	695(2B7)		
LCCARV89	728(2D8)		
LCCAR103	876(36C)		
LCCAR124	960(3C0)		
LCCAR125	964(3C4)		
LCCAR126	416(1A0)		
LCCAR127	420(1A4)		
LCCAR128	424(1A8)		
LCCAR129	428(1AC)		
LCCAR130	432(1B0)		
LCCAR131	436(1B4)		
LCCAR132	440(1B8)		
LCCAR133	444(1BC)		
LCCASAFN	720(2D0)		
LCCASGPR	896(380)		
LCCASIGP	524 X'40'		
LCCASMQJ	864(360)		
LCCASPIN	524(20C)		
LCCASPLJ	868(364)		
LCCASPN1	524(20C)		
LCCASPN2	525(20D)		
LCCASPN3	526(20E)		
LCCASPN4	527(20F)		
LCCASPSA	544(220)		
LCCASRBF	720(2D0)		
LCCASRBJ	672(2A0)		
LCCASRBM	541 X'80'		
LCCASTOD	592(250)		
LCCATIMR	540 X'10'		
LCCATSPN	524 X'10'		
LCCAVARY	692 X'01'		
LCCAVCPU	540 X'40'		
LCCAWTIM	616(268)		

LCCAVT

Common Name: Logical Configuration Communication Area
Vector Table
Macro ID: IHALCCAT
DSECT Name: LCCAVT
Created by: IEAVNIPO
Subpool and Key: 245 and key 0
Size: 64 bytes
Pointed to by: CVTLCCAT field of the CVT data area
Serialization: None
Function: Contains address of LCCA for each processor.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	LCCAVT	
0 (0)	A-ADDRESS	4	LCCAT00P	ADDRESS OF LCCA FOR CPU 0
4 (4)	A-ADDRESS	4	LCCAT01P	ADDRESS OF LCCA FOR CPU 1
8 (8)	A-ADDRESS	4	LCCAT02P	ADDRESS OF LCCA FOR CPU 2
12 (C)	A-ADDRESS	4	LCCAT03P	ADDRESS OF LCCA FOR CPU 3
16 (10)	A-ADDRESS	4	LCCAT04P	ADDRESS OF LCCA FOR CPU 4
20 (14)	A-ADDRESS	4	LCCAT05P	ADDRESS OF LCCA FOR CPU 5
24 (18)	A-ADDRESS	4	LCCAT06P	ADDRESS OF LCCA FOR CPU 6
28 (1C)	A-ADDRESS	4	LCCAT07P	ADDRESS OF LCCA FOR CPU 7
32 (20)	A-ADDRESS	4	LCCAT08P	ADDRESS OF LCCA FOR CPU 8
36 (24)	A-ADDRESS	4	LCCAT09P	ADDRESS OF LCCA FOR CPU 9
40 (28)	A-ADDRESS	4	LCCAT10P	ADDRESS OF LCCA FOR CPU 10
44 (2C)	A-ADDRESS	4	LCCAT11P	ADDRESS OF LCCA FOR CPU 11
48 (30)	A-ADDRESS	4	LCCAT12P	ADDRESS OF LCCA FOR CPU 12
52 (34)	A-ADDRESS	4	LCCAT13P	ADDRESS OF LCCA FOR CPU 13

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
56 (38)	A-ADDRESS	4	LCCAT14P	ADDRESS OF LCCA FOR CPU 14
60 (3C)	A-ADDRESS	4	LCCAT15P	ADDRESS OF LCCA FOR CPU 15

LCH

Common Name: IOS Logical Channel Queue Table
Macro ID: IECDLCH
DSECT Name: LCH
Created by: IEAVFX00 (SYSGEN)
Subpool and Key: Nucleus
Size: 32 bytes per Logical Channel
Pointed to by: CVTILCH field of the CVT data area
IOCLCHTB field of the IOCOM data area
Serialization: LCH lock
Function: All devices that are accessible on a common set of
paths are members of a logical channel group. The LCH
provides queuing control for I/O requests that cannot have
I/O started when the request is received.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	LCH	
0	(0) FLOATING	8	LCHENTRY	DOUBLEWORD ALIGNMENT
0	(0) SIGNED	4	LCHFST	FIRST IOQ ON LCH
4	(4) SIGNED	4	LCHLST	LAST IOQ ON LCH
8	(8) SIGNED	4	LCHLOCK	LOCKWORD ASSOCIATED WITH LCH YM3157P
12	(C) SIGNED	4	LCHRSV01	RESERVED YM3157P
16	(10) SIGNED	4	LCHTCH	TCH CHANNEL LIST
20	(14) SIGNED	1	LCKCHCNT	NUMBER OF CHANNELS ON LCH
21	(15) HEX	1	LCHFLA	FLAG BYTE
	1...		LCHLKHLD	X'80' LCHLOCK HELD ON ENTRY

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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EQU	X'7F'		RESERVED	
22 (16)	SIGNED	2	LCHRSV02	RESERVED YM3157P
24 (18)	SIGNED	2	LCHTOTAL	TOTAL REQUESTS STARTED OR QUEUED
26 (1A)	SIGNED	2	LCHRSV03	RESERVED YM3157P
28 (1C)	SIGNED	2	LCHLGBSY	NUMBER REQUESTS QUEUED BECAUSE LOGICALLY BUSY
30 (1E)	SIGNED	2	LCHPYBSY	NUMBER REQUESTS QUEUED BECAUSE PHYSICALLY BUSY
.... .1.1			LCHELP2	5 LENGTH OF LCH IN POWERS OF TWO

LCT

Common Name: Linkage Control Table
Macro ID: IEFALLCT
DSECT Name: LCT
Created by: IEFSD160
Subpool and Key: 236 or 237 and key 1
Size: 440 bytes
Pointed to by: IEFPARAM
              SSJSLCT field of the SSOB data area (job
              select LCT)
Serialization: None
Function: Communications area used by the initiator
routines.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	UNKNOWN	512	LCT	
0 (0)	UNKNOWN	4	LCTQDRTY	
0 (0)	UNKNOWN	1		RESERVED
1 (1)	UNKNOWN	3		ADDRESS OF THE JOB'S CSCB
4 (4)	UNKNOWN	4	LCTSRTAD	
4 (4)	UNKNOWN	1		UNUSED
5 (5)	UNKNOWN	3		SRT ADDRESS
8 (8)	UNKNOWN	4	LCTTCBAD	
8 (8)	UNKNOWN	1		UNUSED
9 (9)	UNKNOWN	3		CURRENT TCB ADDRESS
12 (C)	UNKNOWN	4	LCTQENTY	
12 (C)	UNKNOWN	1		
	1...			UNUSED
	.1..			USED IN CONJUCTION WITH NOSEP
	..1.			DEVICE WAIT RECOVERY
	...1			SPACE WAIT RECOVERY
	.... 1...			UNUSED
	.... .1..			UNUSED
	.... ..1.			UNUSED
	1		LCTERRM	JOB TERMINATION STATUS
13 (D)	UNKNOWN	3		ADDRESS OF LINKOR'S SAVE AREA
16 (10)	UNKNOWN	4	LCTJCTAD	
16 (10)	UNKNOWN	1		UNUSED
17 (11)	UNKNOWN	3		JCT STORAGE ADDRESS OR 0

LCT   LCT
                              Data Area Descriptions 557

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
20 (14)	UNKNOWN	4	LCTSCTAD	
20 (14)	UNKNOWN	1		UNUSED
21 (15)	UNKNOWN	3		SCT STORAGE ADDRESS OR 0
24 (18)	UNKNOWN	4	LCTSCTDA	SCT SWA ADDRESS
24 (18)	UNKNOWN	4	LCTWORKA	
24 (18)	UNKNOWN	3	LCTSCTVA	SCT SWA VIRTUAL ADDRESS
27 (1B)	UNKNOWN	1		UNUSED
28 (1C)	UNKNOWN	4	LCTPSPAR	
28 (1C)	UNKNOWN	1		UNUSED
29 (1D)	UNKNOWN	3		ADDRESS OF ALLOC/TERM COMMUNICATION AREA
32 (20)	UNKNOWN	4	LCTERROR	ERROR CODES
32 (20)	UNKNOWN	1	LCTERR	NEW LCTERROR BITS
	1...		LCTJFAIL	IF ON, JOB FAILED
	.1..		LCTSALCD	IF ON, AT LEAST ONE STEP WAS ALLOCATED
	..1.		LCTPALCD	IF ON, THIS STEP PARTIALLY ALLOCATED
	...1		LCTSFAIL	IF ON, STEP BYPASSED
	.... 1...		LCTACOMP	IF ON ALLOCATION HAS BEEN COMPLETED BUT UNALLOCATION IS YET TO RUN. USED TO TEST ESTAE
	.... .1..		LCTJCFAL	ON IF JOB FAILED BECAUSE CONDITION CODES
36 (24)	UNKNOWN	4	LCTPARM1	MULTI USE PARAMETER FIELD
40 (28)	UNKNOWN	4	LCTPARM2	MULTI USE PARAMETER FIELD
44 (2C)	UNKNOWN	4	LCTPARM3	MULTI USE PARAMETER FIELD

LCT   LCT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
48 (30)	UNKNOWN	4	LCTPARM4	MULTI USE PARAMETER FIELD
52 (34)	UNKNOWN	4	LCTCMCBA	
52 (34)	UNKNOWN	1		UNUSED
53 (35)	UNKNOWN	3		CORE ADDRESS OF CONTROL BYTES FOR CORE MANAGEMENT
56 (38)	UNKNOWN	1	LCTNSPAD	NON SETUP PADDING BYTE
56 (38)	UNKNOWN	1	LCTSTIND	
57 (39)	UNKNOWN	1	LCTJFCBH	JFCB HOUSEKEEPING BYTE
1...			LCTS2PEM	FIRST PDQ TABLE ENTRY MADE
.1..			LCTS2COP	CORE OBTAINED FOR PDQ TABLE
..1.			LCTS2FES	FIRST ENTRY IN PDQ FOR STEP
...1				UNUSED
.... 1...				UNUSED
.... .1..				UNUSED
.... ..1.				UNUSED
....1				UNUSED
58 (3A)	UNKNOWN	1	LCTSNUMB	CURRENT STEP NUMBER
59 (3B)	UNKNOWN	1	LCTACTON	ACTION CODE
60 (3C)	UNKNOWN	4	LCTSMBAD	
60 (3C)	UNKNOWN	1		
61 (3D)	UNKNOWN	3		SMB ADDRESS
64 (40)	UNKNOWN	4	LCTBATMN	USED IN GENERATING A UNIQUE VOLUME SERIAL NUMBER WHEN THE USER DOESN'T SPECIFY ONE ON HIS DD CARD AND DOES SPECIFY A PASSED DATA SET ON UNLABELED TAPE.
68 (44)	UNKNOWN	4	LCTCOMCD	WARMSTART ABEND CODE
68 (44)	UNKNOWN	2	LCTCOMD1	WARMSTART COMP. CODE
70 (46)	UNKNOWN	2	LCTCOMD2	WARMSTART COMP. CODE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
72 (48)	UNKNOWN	4	LCTRTRN	
72 (48)	UNKNOWN	4	LCTSREG	
72 (48)	UNKNOWN	1		UNUSED
73 (49)	UNKNOWN	3		RETURN ADDRESS TO MASTER SCHEDULER(FOR STOP INITIATOR)
76 (4C)	UNKNOWN	4		
76 (4C)	UNKNOWN	1	LCTINTSW	INITIATOR INTERNAL SWITCH
1...			LCTINPPT	PGM. NAME IS IN PPT
.1..			LCTPRIV	PROGRAM IS PRIVILEGED
..1.			LCTPPAA	ISSUE MESSAGE FOR 'PROBLEM PROG. ATTRIBUTES ASSIGNED'
...1			LCTMINRG	JOB FLUSH USE MINPAR
.... 1...			LCTSTART	TASKNAME NOT FOUNND ON COMMAND
.... .1..			LCTSTOP	INITIATOR INTERNAL STOP
.... ..1.			LCTABEND	EXECUTED PGM ABENDED
....1			LCTNDSI	MUST VERIFY TASKLIB BEFORE ASSIGNING 'NO DATA SET INTEGRITY'
77 (4D)	UNKNOWN	1	LCTPUBYT	PREFERRED USAGE STORAGE
1...			LCT2LPU	2ND LEVEL PREFERRED
.1..			LCT1LPU	1ST LEVEL PREFERRED
..1.			LCTN2LP	NOT 2ND LEVEL PREFERRED
...1			LCTNSWP	NON-SWAPPABLE
.... 1...				UNUSED
.... .1..				UNUSED
.... ..1.				UNUSED
....1				UNUSED
78 (4E)	UNKNOWN	2		RESERVED
80 (50)	UNKNOWN	16	LCTTMWRK	TIMER WORK AREA
80 (50)	UNKNOWN	4	LCTTJTU4	TOTAL JOB TIME USED
80 (50)	UNKNOWN	1		RESERVED
81 (51)	UNKNOWN	3	LCTTJTU3	TOTAL JOB TIME USED

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
84	(54)	UNKNOWN	4	LCTTSTL4	STEP TIME LIMIT
84	(54)	UNKNOWN	1		RESERVED
85	(55)	UNKNOWN	3	LCTTSTL3	STEP TIME LIMIT
88	(58)	UNKNOWN	4	LCTTSTR4	STEP TIME REMAINING
88	(58)	UNKNOWN	4	LCTSMF	FOR SMF, PTR. TO JMR OR DEVICES USED
88	(58)	UNKNOWN	1	LCTTMBYT	FLAG
	1...			LCTTTIFJ	TIME LIMIT IS FOR JOB
89	(59)	UNKNOWN	3	LCTTSTR3	STEP TIME REMAINING
92	(5C)	UNKNOWN	4	LCTTSTU4	STEP TIME USED
92	(5C)	UNKNOWN	1		RESERVED
93	(5D)	UNKNOWN	3	LCTTSTU3	STEP TIME REMAINING
96	(60)	UNKNOWN	4	LCTJOBLB	
96	(60)	UNKNOWN	1		UNUSED
97	(61)	UNKNOWN	3		POINTER TO JOBLIB OR STEPLIB DCB
100	(64)	UNKNOWN	4	LCTATLST	
100	(64)	UNKNOWN	1		UNUSED
101	(65)	UNKNOWN	3		ADDRESS OF ALLOCATE/TERMINATE PARAMETER LIST
104	(68)	UNKNOWN	144	REGSAVE	ALLOC/TERM REGISTER SAVE AREA
248	(F8)	UNKNOWN	36	QMGR1	QUEUE MGR PARAMETER AREA
284	(11C)	UNKNOWN	36		RESERVED
320	(140)	UNKNOWN	4	LCTASCBA	ADDR OF CURRENT ASCB
324	(144)	UNKNOWN	4	LCTJMRAD	JMR ADDRESS
328	(148)	UNKNOWN	4	LCTECBAD	
328	(148)	UNKNOWN	4	ECBLIST	
328	(148)	UNKNOWN	1		
329	(149)	UNKNOWN	3		PTR TO ECB LIST

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
332 (14C)	UNKNOWN	8	LCTIDENT	HOLDER FOR IDENTIFIER
332 (14C)	UNKNOWN	4	LCTPIB	
336 (150)	UNKNOWN	4	LCTSPIL	
336 (150)	UNKNOWN	2	LCTDSBCT	COUNT OF JOB'S DSB'S
338 (152)	UNKNOWN	1	LCTALCFG	ALLOCATION FLAGS
1...			LCTODSFL	ODS FAILED INDICATOR
.1..			LCTMSGWT	WTO MESSAGE LOST
..1.				UNUSED
...1				UNUSED
.... 1...				UNUSED
.... .1..				UNUSED
.... ..1.				UNUSED
....1				UNUSED
339 (153)	UNKNOWN	1		
340 (154)	UNKNOWN	8		RESERVED
348 (15C)	UNKNOWN	4	LCTTSRB4	STEP SRB TIME USED
348 (15C)	UNKNOWN	1		RESERVED
349 (15D)	UNKNOWN	3	LCTTSRB3	STEP SRB TIME USED
352 (160)	UNKNOWN	4	LCTENTR	ADDR OF INIT ENTRANCE LIST
352 (160)	UNKNOWN	4	LCTEXIT	ADDR OF INIT EXIT LIST
352 (160)	UNKNOWN	1	LCTOPSW1	INITIATOR OPTION BYTE 1
1...			LCTDPSHA	DON'T SET 'DON'T SHARE SWA' ON ATTACH
.1..			LCTDWFF	DON'T PROCESS DEDICATED WORK FILE
..1.				RESERVED
...1				RESERVED
.... 1...			LCTCANF	ALLOW CANCEL ONLY AT ALLOC
.... .1..			LCTONEJF	STARTED TASK INDICATOR
.... ..1.				RESERVED
....1				RESERVED
353 (161)	UNKNOWN	3		ADDR. OF IEL
356 (164)	UNKNOWN	4		RESERVED
356 (164)	UNKNOWN	1	LCTOPSW2	INITIATOR OPTION BYTE 2
1...			LCTTIMEF	DON'T TIME THIS

LCT   LCT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.1..			LCTCRF	DON'T ALLOW CHECK/RESTART
..1.			LCTCKRST	THIS BIT IS SET BY IEFXB609 TO INFORM IEFSD101 TO INSERT PROGRAM NAME IEFRSTRT IN SCT AFTER PPT PROCESSING
...1				RESERVED
.... 1...				RESERVED
.... .1..			LCTBPRAC	BYPASS RACINIT
.... ..1.			LCTNORC	BYPASS ALLOC. RECOVERY
....1			LCTENQU	DON'T WAIT FOR DATA SETS
357 (165)	UNKNOWN	3		RESERVED
360 (168)	UNKNOWN	4	LCTJSCB	
360 (168)	UNKNOWN	1	LCTOPSW3	INITIATOR OPTION BYTE THREE
1...				RESERVED
.1..			LCTRDER	SPECIAL A/T PROCESSING FOR IEFRDER DD CARD
..1.			LCTNSYS	DO NOT ASSIGN SPECIAL PROPERTIES
...1				UNUSED
.... 1...			LCTJNLF	JOURNALING REQUESTED
.... .1..			LCTALERR	ERROR DURING ALLOCATION
.... ..1.				RESERVED
....1				UNUSED
361 (169)	UNKNOWN	3		ADDRESS OF JSCB
364 (16C)	UNKNOWN	36		RESERVED
400 (190)	UNKNOWN	4	LCTSTEPL	ADDR OF STAE EXIT PARAMETER LIST FOR INITIATOR
404 (194)	UNKNOWN	4	LCTSSOBA	ADDR OF SSOB FOR THIS TASK
408 (198)	UNKNOWN	4	LCTJCTDA	JCT SWA ADDRESS
408 (198)	UNKNOWN	3	LCTJCTVA	JCT SWA VIRTUAL ADDRESS
411 (19B)	UNKNOWN	1		RESERVED
412 (19C)	UNKNOWN	4	LCTTIOTI	INIT TIOT TTR

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
416 (1A0) UNKNOWN		1	LCTSTATA	INIT STATUS BYTE 1
1...			LCTSUSPD	SUSPEND INIT
.1..			LCTSNOWK	CALL IEEHF105 IF NO WORK
..1.			LCTBTJOB	SUSPEND INIT BETWEEN JOBS
...1			LCTNECBL	DON'T CONSTRUCT ECB LIST
.... 1...			LCTJCPIB	GET JOB CLASS INFO FROM PIB
.... .1..			LCTNOSDP	BYPASS STEP DISP PRI CODE
.... ..1.			LCTNOGCB	BYPASS GCB PROCESSING
....1			LCTCPART	CHECK PART BOUNDS IF RESTART
417 (1A1) UNKNOWN		1	LCTSTATB	INIT STATUS BYTE 2
1...			LCTECBPB	PUT ECB LIST PTR IN PIB
.1..			LCTNOREG	BYPASS REGION DETERMINE CODE
..1.			LCTNOATC	BYPASS ATTACH/DETACH CONSIDER.
...1			LCTWRITE	WRITE LOT WITH TIOT
.... 1...			LCTNREAD	DON'T READ JCT AND SCT
.... .1..			LCTSBPOL	GET WTPCB AND JSCB IN SP 255
.... ..1.			LCTNPKEY	PGM RUNS IN PK ZERO
....1			LCTMFTIO	USE IEEMFTIO DURING TERM
418 (1A2) UNKNOWN		1	LCTRFB	RESTART FUNCTION SWITCHES
1...			LCTRFBSM	CALL IEFXB601
.1..			LCTRFBCR	AUTOMATIC CHKPT. RESTART
..1.			LCTRFBRV	SPECIAL WARMSTART PROCESSING
...1			LCTRFBDC	DEFERRED CHECKPOINT/RESTART
.... 1...			LCTRFBMS	DON'T MODIFY JSB FIELDS
.... .1..			LCTRFBEF	MERGE TO EOF OF JOURNAL
.... ..1.			LCTRFBRP	CALL IEFPREP
....1				RESERVED
419 (1A3) UNKNOWN		1	LCTRFB1	RESERVED FOR WARMSTART/RESTART
420 (1A4) UNKNOWN		4		RESERVED

LCT   LCT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
420 (1A4)	UNKNOWN	1	LCTTSIZ	TO INFORM ALLCOATION OF SIZE OF MASTER SCHED. TIOT
421 (1A5)	UNKNOWN	1	LCTINTS2	INTERNAL SWITCHES, BYTE 2. IT WILL BE CLEARED FOR EVERY STEP BY IEFSD101.
	1...		LCTSYS	SYSTEM TASK REQUESTED
	.1..		LCTBPPAS	BYPASS PASSWD PROTECT.
	..1.		LCTTSWPC	TRANSWAP COMPLETED
	...1		LCTATTC	INITATT HAS BEEN ISSUED (RESET AT INITDET TIME)
424 (1A8)	UNKNOWN	4		RESERVED
428 (1AC)	UNKNOWN	4	LCTLBWAP	PTR TO LOAD BAL WORK AREA
432 (1B0)	UNKNOWN	4	LCTIMSG	VIRTUAL ADDR. OF IEFIB650
436 (1B4)	UNKNOWN	4		RESERVED
440 (1B8)	UNKNOWN	64	LCTIWORK	TEMPORARY WORK AREA, TO BE USED ONLY BY THE INITIATOR
504 (1F8)	UNKNOWN	8	LCTLABEL	TO CONTAIN THE CHARACTERS 'ENDOFLCT', TO HELP IDENTIFY THE LCT IN A STORAGE DUMP

LCTTSIZ	420(1A4)
LCTTSRB3	349(15D)
LCTTSRB4	348(15C)
LCTTSTL3	85 (55)
LCTTSTL4	84 (54)
LCTTSTR3	89 (59)
LCTTSTR4	88 (58)
LCTTSTU3	93 (5D)
LCTTSTU4	92 (5C)
LCTTSWPC	421 X'20'
LCTTTIFJ	88 X'80'
LCTWORKA	24 (18)
LCTWRITE	417 X'10'
LCT1LPU	77 X'40'
LCT2LPU	77 X'80'
QMGR1	248 (F8)
REGSAVE	104 (68)

Common Name: Local Data Area
Macro ID: IHALDA
DSECT Name: LDA
Created by: IEAVGCAS
Subpool and Key: 255 and key 0
Size: 1436 bytes
Pointed to by: ASCBLDA field of the ASCB data area
Serialization: LOCAL lock (the LDA maps the private area)
Function: Contains address space related VSM control block
pointers and working storage for the use of VSM reentrant
routines.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) STRUCTURE	0	LDA	
0	(0) SIGNED	4	LVSHFLAG	LOCAL FLAGS
0	(0) BITSTRING	1	LDAFLAGS	
	.... ..1.		LDAFPFM	X'02' FREEPART ISSUED FREEMAIN
	1		LDABRSW	X'01' BRANCH ENTRY SWITCH
1	(1) BITSTRING	3	LDARES	
4	(4) SIGNED	4	PASCBSV	SAVE AREA FOR ASCB ADDRESS
8	(8) SIGNED	4	ASDPGE	ADDRESS SPACE PQE PTR.
12	(C) SIGNED	4	LDATCB	SAVE TCB PTR. FROM REG 4
16	(10) SIGNED	4	LDARQSTA	CURRENT REQUEST STATUS
20	(14) HEX	1	LDACBSP	SPID FOR GETMAIN OF CONTROL BLKS
21	(15) BITSTRING	3	LDARES2	THREE BYTES RESERVED
24	(18) HEX	500	GMFMWKAR	GETMAIN/FREEMAIN WORK AREA
524	(20C) SIGNED	4	BRANCHSV(16)	REG SAVE AREA #1
588	(24C) SIGNED	4	SAVEREG2(16)	REG SAVE AREA #2
652	(28C) SIGNED	4	BSAVE(16)	REG SAVE AREA #3
716	(2CC) SIGNED	4	FSAVE(16)	REG SAVE AREA #4
780	(30C) SIGNED	4	G4KSAVE(16)	REG SAVE AREA #5

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
844 (34C)	SIGNED	4	FBQSAVE(16)	REG SAVE AREA #6
908 (38C)	SIGNED	4	GMREPSAV(16)	REG SAVE AREA #7
972 (3CC)	SIGNED	4	GFRESAVE(16)	REG SAVE AREA #8
1036 (40C)	SIGNED	4	OBFRSAVE(16)	REG SAVE AREA #9
1100 (44C)	SIGNED	4	CSAVE(16)	REG SAVE AREA #10
1164 (48C)	SIGNED	4	CFAPWKAR(75)	GP/FP, CFAS, AND CKEY WORK AREA
1464 (5B8)	SIGNED	4	LSQAPTR	LSQA SPQE PTR.
1468 (5BC)	SIGNED	4	VVREGSZ	EXPLICIT V=V REGION SIZE
1472 (5C0)	SIGNED	4	CURRGNTP	CURRENT TOP OF REGION ADDRESS
1476 (5C4)	SIGNED	4	LDASRPGE	POINTER TO SYSTEM REGION PGE
1480 (5C8)	A-ADDRESS	4	LDARSVPT	PTR TO LSQA AREA FOR PAGE TABLE
1484 (5CC)	SIGNED	4	LDALIMIT	LIMIT FOR REGION SIZE

THE FOLLOWING FIELDS MUST REMAIN IN SEQUENCE

1488 (5D0)	SIGNED	4	LCLCELL	INTERNAL CELL ANCHOR BLOCK
1492 (5D4)	SIGNED	4	LCLCELCT	COUNT OF FREE INTERNAL CELLS

LGE

Common Name: Logic Group Element
Macro ID: ILRLGE
DSECT Name: LGE
Created by: ILR6OS
Subpool and Key: 245 and key 0
Size: 24 bytes
Pointed to by: ASHLGEQ field of the ASMHD data area
LGENEXT field of the LGE data area
LGVELGEP field of the LGVT data area
Serialization: The ASM class lock of the owning address
space is used to serialize the LGE.
Function: ASM's focal point for controlling all operations
of a logical group.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	UNKNOWN	24	LGE	LOGICAL GROUP ENTRY
0 (0)	UNKNOWN	8	LGEPROCQ	THE LGE PROCESS QUEUE. THIS IS A DOUBLE-THREADED QUEUE CONTAINING AIAS OR ACES FOR ALL OPERATIONS STARTED OR PENDING EXECUTION FOR THE LOGICAL GROUP
0 (0)	UNKNOWN	4	LGEPROCF	ADDRESS OF FIRST AIA/ACE ON PROCESS QUEUE
4 (4)	UNKNOWN	4	LGEPROCL	ADDRESS OF LAST AIA/ACE ON PROCESS QUEUE
8 (8)	UNKNOWN 1...	1	LGEFLAG1 LGEWRKPD	LGE FLAG FIELD WORK PENDING FLAG 1 = AT LEAST ONE REQUESTED OPERATION IS PENDING EXECUTION 0 = NO OPERATIONS ARE PENDING

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.1..			LGEGRINP	GROUP OPERATION IN PROGRESS FLAG 1 = GROUP-OPERATION IN PROGRESS 0 = GROUP-OPERATION NOT IN PROGRESS
..1.			LGERELLG	RELEASE LG REQUESTED FLAG 1 = RELEASE LG HAS BEEN REQUESTED, REJECT ALL FUTURE REQUESTS TO LG 0 = RELEASE LG HAS NOT BEEN REQUESTED
...1			LGESAVRQ	SAVE REQUEST QUEUED FLAG 1 = SAVE LG/LGN OR SAVE LG (IF LGERELLG = 1) REQUEST HAS BEEN QUEUED FOR LG 0 = NO SAVE REQUESTS QUEUED
.... 1...			LGERSV2	RESERVED
.... .1..			LGERSV3	RESERVED
.... ..1.			LGERSV4	RESERVED
....1			LGERSV5	RESERVED
9	(9) UNKNOWN	1		RESERVED
10	.(A) UNKNOWN	2	LGESLTCT	NUMBER OF SLOTS ASSIGNED TO THIS ADDRESS SPACE OR FREED DURING GROUP OPERATION PROCESSING
12	(C) UNKNOWN	4	LGEASPCT	ADDRESS OF ASPCT FOR THIS LOGICAL GROUP
16	(10) UNKNOWN	4	LGENEXT	ADDRESS OF NEXT LGE ON PROCESS QUEUE
20	(14) UNKNOWN	4	LGELGID	LOGICAL GROUP IDENTIFIER FOR THIS LGE
24	(18) UNKNOWN	0		

LGVT

Common Name: ASM Logical Group Vector Table
Macro ID: ILRLGVT
DSECT Name: LGVT
Created by: ILRASRIM
Subpool and Key: 245 and key 0
Size: 1024 bytes
Pointed to by: ASMLGVT field of the ASMVT data area
Serialization: The SALLOC lock is used to serialize the
available LGVTE queues, the LGVTEs, and the expansion of
the LGVT.
Function: LGVT is a collection of information about logical
groups for use by ASM. It contains the address of the LGE
for the logical group and the address of the ASCB for the
address space owning the logical group.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0	(0) UNKNOWN	16	LGVT	LOGICAL GROUP VECTOR TABLE
0	(0) UNKNOWN	4	LGVIDENT	CONTROL BLOCK IDENTIFIER, ALWAYS SET TO C'LGVT'
4	(4) UNKNOWN	4	LGVLGVEP	POINTER TO FIRST AVAILABLE LGVTE
8	(8) UNKNOWN	4	LGVMAXLG	HIGHEST LGN SUPPORTED BY CURRENT SIZE OF LGVT
12	(C) UNKNOWN	4	LGVSIZE	CURRENT SIZE OF LGVT IN BYTES
16	(10) UNKNOWN	0	LGVENTRS	LGVT ENTRIES
0	(0) UNKNOWN	8	LGVTE	LOGICAL GROUP VECTOR TABLE ENTRY
0	(0) UNKNOWN	8	LGVLGVTE	LGVTE, THE NUMBER OF CONTIGUOUS LGVTES IS SPECIFIED BY THE LGVMAXLG FIELD
0	(0) UNKNOWN	4	LGVELGEP	ADDRESS OF LGE FOR THIS LG

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	UNKNOWN	4	LGVENEXT	ADDRESS OF NEXT AVAILABLE LGVTE IF THIS LGVTE IS AVAILABLE
4 (4)	UNKNOWN	4	LGVEASCB	ADDRESS OF ASCB TO WHICH LOGICAL GROUP IS ASSIGNED
4 (4)	UNKNOWN	4	LGVELGID	IF THIS LGVTE IS AVAILABLE, THE LGN OF THE LOGICAL GROUP THIS LGVTE REPRESENTS

LLE

Common Name: Load List Element
Macro ID: IHALLE
DSECT Name: LLE
Created by: Program manager (IEAVLK00)
Subpool and Key: 255 and key 0
Size: 12 bytes
Pointed to by: TCBLLS field of the TCB data area (last LLE)
            LLECHN field of the LLE data area (next LLE)
Serialization: Local lock
Function: An LLE controls the loading and deleting
(specifically, the LOAD and DELETE functions of Contents
Supervision) of a particular load module on an entry point
name basis.

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
0	(0)	STRUCTURE	0	LLE	
0	(0)	SIGNED	4	LLECHN	ADDRESS OF NEXT ELEMENT ON LOAD LIST
4	(4)	SIGNED	4	LLECDPT	ADDRESS OF CDE FOR MODULE
8	(8)	SIGNED	2	LLECOUNT	RESPONSIBILITY COUNT. THE TOTAL NUMBER OF REQUESTS FOR THE MODULE VIA THE LOAD MACRO INSTRUCTION.
10	(A)	SIGNED	2	LLESYSCT	SYSTEM RESPONSIBILITY COUNT. THE TOTAL NUMBER OF SYSTEM REQUESTS FOR THE MODULE VIA THE LOAD MACRO INSTRUCTION.

LPDE

Common Name: Link Pack Directory Entry
Macro ID: IHALPDE
DSECT Name: LPDE
Created by: Program manager RIM (IEAVNP05)
Subpool and Key: 252 and key 0
Size: 40 bytes
Pointed to by: CVTLPDIR field of the CVT data area
LPDECHN field of the LPDE data area (next
LPDE)
Serialization: None
Function: Each LPDE represents a particular load module
which is loaded into the pageable link pack area. It is
the basis for the CDE which is built whenever such a module
is activated.

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
0	(0)	STRUCTURE	0	LPDE	
0	(0)	SIGNED	4	LPDECHN	ADDRESS OF NEXT LPDE IN CHAIN OF LPDE SYNONYMS
4	(4)	SIGNED	4	LPDERBP	RESERVED
8	(8)	CHARACTER	8	LPDENAME	EITHER MODULE NAME OR ALIAS NAME
16	(10)	SIGNED	4	LPDENTP	RELOCATED ENTRY POINT ADDRESS
20	(14)	SIGNED	4	LPDEXLP	RESERVED
24	(18)	SIGNED	2	LPDEUSE	COUNT FIELD COUNT EQUALS ONE
26	(1A)	SIGNED	2	LPDERES1	RESERVED FOR FUTURE USE
28	(1C)	BITSTRING	1	LPDEATTR	ATTRIBUTE FLAGS
	1...			LPDENIP	X'80' MODULE LOADED BY NIP
	..1.			LPDEREN	X'20' MODULE IS REENTERABLE
	...1			LPDESER	X'10' MODULE IS SERIALLY REUSABLE
	.... .1..			LPDEMIN	X'04' THIS IS A MINOR LPDE
	1			LPDENLR	X'01' NOT LOADABLE ONLY
29	(1D)	BITSTRING	1	LPDEATT2	SECOND ATTRIBUTE FLAG BYTE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			LPDEXLE	X'20' EXTENT LIST BUILT MAIN STORAGE OCCUPIED BY MODULE IS DESCRIBED THEREIN
...1			LPDERLC	X'10' LPDE CONTAINS A RELOCATED ALIAS ENTRY POINT ADDRESS
.... ..1.			LPDESYSL	X'02' AUTHORIZED LIBRARY MODULE
....1			LPDEAUTH	X'01' PROGRAM AUTHORIZATION FLAG
30 (1E)	SIGNED	2	LPDEATT3	RESERVED
32 (20)	CHARACTER	8	LPDEMJNM	MAJOR LPDE ENTRY POINT NAME WHEN LPDEMIN=1 OR 8-BYTE EXTENT LIST IF LPDEMIN=0
32 (20)	SIGNED	4	LPDEXTLN	LENGTH OF MAIN STORAGE BLOCK IN WHICH MODULE RESIDES
36 (24)	A-ADDRESS	4	LPDEXTAD	ADDRESS OF MAIN STORAGE BLOCK IN WHICH MODULE RESIDES

LRB

Common Name: LOGREC Buffer
Macro ID: IHALRB
DSECT Name: LRB
Created by: MCH - module, IGFPINIT; CCH - module, IGFCHDA;
MIH and DDR - module, IGFDRO (DDR component); system
termination - dependent on the terminating component.
Subpool and Key: 245 and key 0
Size: Variable
Pointed to by: PCCALRBR field of the PCCA data area
                PCCALRBV field of the PCCA data area
Serialization: CCH serializes the RVTCCHDA field of the RVT
data area. MIH and DDR serialize dynamic storage subpool
245.
Function: Holds log record information that is put on
SYS1.LOGREC.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	STRUCTURE	0	LRB	
0 (0)	HEX	1	LRBHTYPE	TYPE OF RECORD

RECORD TYPE EQUATES

			NAME	DESCRIPTION
	.11.		LRBHREC	X'60' DDR RECORD
	1..1		LRBHMDR	X'90' MDR RECORD
	.111		LRBHMIH	X'70' MIH RECORD
	..1. ...1		LRBHCCH	X'21' CCH RECORD
	...1 ..11		LRBHMCH	X'13' MCH RECORD
	1... ...1		LRBHTER	X'81' SYSTEM TERMINATION RECORD
1 (1)	HEX	1	LRBHREL	RELEASE NUMBER

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

EQUATES FOR LRBHSYS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
....			LRBHOS	X'0' OS SYSTEM
..1.			LRBHDOS	X'20' DOS SYSTEM
.1..			LRBHVS1	X'40' OS/VS1 SYSTEM
.11.			LRBHCP67	X'60' CP67 SYSTEM
1...			LRBHVS2	X'80' OS/VS2 SYSTEM
2	(2) HEX	1	LRBHSW0	INDEPENDENT SWITCH BYTE

EQUATES FOR LRBHSW0

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			LRBHMORE	X'80' MULTIPLE RECORDS
.1..			LRBHNS	X'40' NS MACHINE
.... 1...			LRBHTMC	X'08' TIME MACRO USED
3	(3) HEX	1	LRBHSW1	DEPENDENT SWITCH BYTE 0

DDR EQUATES FOR LRBHSW1

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			LRBRPRIM	X'80' DDR PRIMARY STORAGE RECONFIG
.1..			LRBRSEC	X'40' DDR SEC STORAGE RECONFIG
..1.			LRBROPER	X'20' DDR OPERATOR REQUEST RECONFIG
...1			LRBRSYSI	X'10' DDR PERMANENT ERROR REQUEST

CCH EQUATES FOR LRBHSW1

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
1...			LRBCMESG	X'80' MESSAGE REQUEST
.1..			LRBCINCO	X'40' RECORD INCOMPLETE
...1			LRBCNOSP	X'10' CHANNEL NOT SUPPORTED
.... 1...			LRBCICUA	X'08' ILLEGAL CUA
.... .1..			LRBCDATA	X'04' DATA OVERLAYED
.... ..1.			LRBCERPP	X'02' ERP IN PROGRESS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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MCH EQUATES FOR LRBHSW1

..1.			LRBHSYST	X'20' SYSTEM TERMINATED

| 4 | (4) HEX | 1 | LRBHSW2 | DEPENDENT SWITCH BYTE 1 |

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MIH EQUATES FOR LRBHSW2

1...			LRBNCEM	X'80' PENDING CHANNEL END
.1..			LRBNDEM	X'40' PENDING DEVICE END

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MDR EQUATES FOR LRBHSW2

....1			LRBD3330	X'01' 3330 TYPE
.... .1..			LRBD3211	X'04' 3211 TYPE
.... 1..1			LRBD3340	X'09' 3340 TYPE
.... .111			LRBDICE	X'07' 3330C TYPE
1111			LRBD2946	X'F0' 2946 TYPE
1111 ...1			LRBD2948	X'F1' 2948 TYPE
1111 ..1.			LRBD1006	X'F2' 1006 TYPE
1111 ..11			LRBD2703	X'F3' 2703 TYPE
1111 .1..			LRBD2969	X'F4' 2969 TYPE
5	(5) HEX	1	LRBHSW3	DEPENDENT SWITCH BYTE 2
6	(6) HEX	1	LRBHCNT	PHYSICAL RECORDS PER LOGICAL REC CNT
7	(7) HEX	1		RESERVED

| 8 | (8) HEX | 4 | LRBHDATE | DATE |

| 12 | (C) HEX | 4 | LRBHTIME | TIME |

| 16 | (10) FLOATING | 8 | | |

| 16 | (10) HEX | 8 | LRBHCPID | STIDP OPERAND FIELD |

| 16 | (10) HEX | 1 | | RESERVED |
| 17 | (11) HEX | 3 | LRBHCSER | CPU SERIAL NUMBER |

| 20 | (14) HEX | 2 | LRBHMDL | CPU MODEL NUMBER |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
22 (16)	HEX	2	LRBHMCEL	MAXIMUM MCEL LENGTH

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MACHINE CHECK HANDLER RECORD

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
24 (18)	SIGNED	4	LRBMLNH	LENGTH OF LOGREC RECORD
28 (1C)	HEX	4	LRBMWSC	WAIT STATE CODE
32 (20)	HEX	4	LRBMCEIA	MACHINE CHECK ERROR INDICATOR AREA
32 (20)	HEX	1	LRBMTERM	TERMINAL ERROR FLAGS

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EQU	X'80'	RESERVED		
EQU	X'40'	RESERVED		
	..1.		LRBMTTHR	X'20' HARD ERROR THRESHOLD FLAG
	...1		LRBMTSEC	X'10' SECONDARY ERROR FLAG
	.... 1...		LRBMTCKS	X'08' CHECK STOP FLAG
	.... .1..		LRBMTWRN	X'04' POWER WARNING FLAG
	.... ..1.		LRBMTDMG	X'02' SYSTEM DAMAGE FLAG
	1		LRBMTINV	X'01' INVALID LOGOUT FLAG (SET WHEN LRBMCIC=0)
33 (21)	HEX	1	LRBMHARD	HARD MACHINE ERROR FLAGS
	1...		LRBMHHRD	X'80' ASSUMED HARD ERROR FLAG

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EQU	X'40'	RESERVED		
EQU	X'20'	RESERVED		
	...1		LRBMHSD	X'10' SYSTEM DAMAGE FLAG
	.... 1...		LRBMHINV	X'08' REGISTER OR PSW INVALID FLAG
	.... .1..		LRBMHSTO	X'04' HARD STORAGE FAILURE FLAG
	.... ..1.		LRBMHSPF	X'02' HARD PROTECTION KEY ERROR FLAG

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

....1			LRBMHIPD	X'01' INSTRUCTION PROCESSING DAMAGE FLAG
34 (22) HEX		1	LRBMINTM	INTERMEDIATE ERROR FLAGS

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EQU	X'80'	RESERVED		
EQU	X'40'	RESERVED		
EQU	X'20'	RESERVED		
EQU	X'10'	RESERVED		
.... 1...			LRBMITOD	X'08' TOD CLOCK ERROR FLAG
.... .1..			LRBMICKC	X'04' CLOCK COMPARATOR ERROR FLAG
.... ..1.			LRBMICTM	X'02' CPU TIMER ERROR FLAG
....1			LRBMIL80	X'01' INTERVAL TIMER ERROR FLAG
35 (23) HEX		1	LRBMSOFT	SOFT MACHINE ERROR FLAGS
1...			LRBMSSFT	X'80' ASSUMED SOFT ERROR FLAG

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EQU	X'40'	RESERVED		
EQU	X'20'	RESERVED		
EQU	X'10'	RESERVED		
.... 1...			LRBMSEXD	X'08' EXTERNAL DAMAGE FLAG
.... .1..			LRBMSECC	X'04' ECC CORRECTED STORAGE ERROR FLAG
.... ..1.			LRBMSHIR	X'02' HIR CORRECTED PROCESSOR ERROR FLAG
....1			LRBMSBUF	X'01' BUFFER ERROR FLAG

| 36 (24) HEX | | 1 | LRBMPDAR | PDAR DATA (SUPPLIED BY RTM) |

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
..1.			LRBMSPER	X'20' PERMANENT ERROR OCCURS IN FRAME
...1			LRBMNUCL	X'10' FRAME CONTAINS PERMANENTLY RESIDENT SYSTEM STORAGE
.... 1...			LRBMFSQA	X'08' FRAME IS IN USE FOR SQA
.... .1..			LRBMLSQA	X'04' FRAME IS IN USE FOR LSQA
.... ..1.			LRBMPGFX	X'02' FRAME CONTAINS PAGE FIXED DATA
....1			LRBMVEQR	X'01' FRAME IS IN USE FOR V=R OR IS SCHEDULED FOR V=R
39 (27) HEX		1	LRBMPWL	PHYSICAL WORD LENGTH (CHECKING BLOCK SIZE)
40 (28) HEX		8	LRBMMOSW	MACHINE CHECK OLD PSW (FROM STORAGE LOCATIONS 48-55)
48 (30) HEX		280	LRBMFLO	MACHINE CHECK FIXED LOGOUT AREA (MOVED FROM STORAGE LOCATIONS 232-511)
48 (30) HEX		8	LRBMCIC	MACHINE CHECK INTERRUPT CODE (MOVED FROM STORAGE LOCATIONS 232-239)
48 (30) HEX		1		1ST BYTE OF LRBMCIC
1...			LRBMFSD	X'80' SYSTEM DAMAGE
.1..			LRBMFPD	X'40' PROCESSING DAMAGE
..1.			LRBMFSR	X'20' SYSTEM RECOVERY
...1			LRBMFTD	X'10' TIMER DAMAGE
.... 1...			LRBMFCD	X'08' CLOCK DAMAGE
.... .1..			LRBMFED	X'04' EXTERNAL DAMAGE

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... .1..			LRBMVCR	X'04' CONTROL REG VALIDITY
.... ..1.			LRBMVLG	X'02' LOGOUT (MCEL) VALIDITY
....1			LRBMVST	X'01' STORAGE LOGICAL VALIDITY
52 (34)	HEX	1		5TH BYTE OF LRBMCIC (RESERVED)
53 (35)	HEX	1		6TH BYTE OF LRBMCIC

EQU	X'80'	RESERVED		
EQU	X'40'	RESERVED		
EQU	X'20'	RESERVED		
EQU	X'10'	RESERVED		
EQU	X'08'	RESERVED		
EQU	X'04'	RESERVED		
.... ..1.			LRBMVPT	X'02' PROCESSOR TIMER VALIDITY
....1			LRBMVCC	X'01' CLOCK COMPARATOR VALIDITY
54 (36)	HEX	2	LRBMCELL	MACHINE CHECK EXTENDED LOGOUT LENGTH (ACTUAL LENGTH OF MCEL DATA STORED FOR THIS MACHINE CHECK INTERRUPTION)
56 (38)	HEX	4		DATA FROM 240-243
60 (3C)	HEX	1	LRBMEDC	DATA FROM 244 EXTERNAL DAMAGE CODE

EQU	X'80' .	RESERVED		
.1..			LRBMCOPR	X'40' CHANNEL OPERATIONAL
..1.			LRBMEXSR	X'20' EXTERNAL SECONDARY REPORT
...1			LRBMCNOP	X'10' CHANNEL NOT OPERATIONAL
.... 1...			LRBMCCF	X'08' CHANNEL CNTL FAILURE
.... .1..			LRBMINST	X'04' I/O INSTRUCTION TIMEOUT

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
.... ..1.			LRBMINTR	X'02' I/O INTERRUPTION TIMEOUT
....1			LRBMDISC	X'01' DISCONNECT_CHANNEL_SET FAILURE
61 (3D)	HEX	3		RESERVED ALWAYS ZERO
64 (40)	A-ADDRESS	4	LRBMFSA	FAILING STORAGE ADDRESS (MOVED FROM STORAGE LOCATIONS 248-251)
68 (44)	HEX	260		DATA MOVED FROM STORAGE LOCATIONS 252-511
328 (148)	HEX	1	LRBMCEL	MACHINE CHECK EXTENDED LOGOUT AREA (LENGTH IS MODEL DEPENDENT AND VARIES FROM MACHINE CHECK TO MACHINE CHECK FOR A GIVEN MODEL THE ACTUAL LENGTH IS CONTAINED IN THE HALFWORD FIELD 'LRBMCELL', THE MAXIMUM LENGTH IS CONTAINED IN THE HALFWORD FIELD 'LRBHMCEL', AND THE MINIMUM LENGTH IS ZERO)

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

RECONFIGURATION (DDR) RECORD

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
24 (18)	CHARACTER	8	LRBJOB	USER'S JOB NAME
32 (20)	CHARACTER	6	LRBVOL1	VOLUME MOUNTED ON 'FROM' DEVICE
38 (26)	CHARACTER	6	LRBVOL2	VOLUME MOUNTED ON 'TO' DEVICE
44 (2C)	CHARACTER	1	LRBPH1	PHYSICAL ID OF DEVICE
45 (2D)	CHARACTER	3	LRBCUA1	PRIMARY CUA OF 'FROM' DEVICE
48 (30)	CHARACTER	4	LRBDEV1	'FROM' DEVICE TYPE
52 (34)	CHARACTER	1	LRBPH2	PHYSICAL ID OF 'TO' DEVICE
53 (35)	CHARACTER	3	LRBCUA2	PRIMARY CUA OF 'TO' DEVICE
56 (38)	CHARACTER	4	LRBDEV2	'TO' DEVICE TYPE

CHANNEL CHECK HANDLER RECORD

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
24 (18)	CHARACTER	8	LRBJOB	JOBNAME OF JOB WHOSE I/O RESULTED IN A CHANNEL ERROR
32 (20)	CHARACTER	16	LRBCAIO	ADDRESS OF ACTIVE I/O (2 BYTES/CHANNEL)
48 (30)	CHARACTER	8	LRBCCCW	FAILING CCW
56 (38)	CHARACTER	8	LRBCCSW	CSW STORED AT FAILURE
64 (40)	SIGNED	4	LRBCECSW	EXTENDED CSW
68 (44)	SIGNED	4	LRBCDEVT	DEVICE TYPE (FROM UCB)
72 (48)	CHARACTER	1	LRBCHID	ID OF FAILING CHANNEL: CHANNEL 00, CHANNEL TYPE UNKNOWN 01, INTEGRATED MULTIPLEXOR 02, INTEGRATED SELECTOR 03, INTEGRATED

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
				BLOCK MULTIPLEXOR 04 RESERVED 05 2860 SELECTOR 06 2870 MULTIPLEXOR 07 2880 BLOCK MULTIPLEXOR 08 NS SELECTOR 09 RESERVED 0A INTEGRATED FILE ADAPTER 0B-FF RESERVED
73	(49) CHARACTER	1	LRBCCUA	3 BYTE ADDRESS OF CHANNEL AND UNIT IN USE AT TIME OF FAILURE
74	(4A) CHARACTER	2	LRBCCUA2	2 BYTE ADDRESS OF CHANNEL AND UNIT IN USE AT .TIME OF FAILURE
76	(4C) SIGNED	2	LRBCHCUA	CHANNEL AND UNIT ADDRESS LOGGED BY HARDWARE
78	(4E) SIGNED	2	LRBCLOGL	LENGTH OF CHANNEL LOGOUT
80	(50) CHARACTER	1	LRBCCLOG	CHANNEL LOGOUT. LENGTH DEPENDENT UPON CHANNEL TYPE
81	(51) CHARACTER	2	LRBCFT	CCH FOOTPRINTS
83	(53) CHARACTER	2	LRBCRESD	RESERVED
85	(55) CHARACTER	1	LRBCMPF1	MP INFORMATION FLAG BYTE 1 RESERVED
86	(56) CHARACTER	1	LRBCMPF2	MP INFORMATION FLAG BYTE 2 RESERVED
87	(57) CHARACTER	2	LRBCMPNO	NUMBER OF ACTIVE / PROCESSORS
89	(59) HEX	1	LRBCMP	MP CPU ID AND CHANNEL STATUS, (FOUR BYTES PER CPU)
89	(59) CHARACTER	2	LRBCMPPA	ADDRESS OF CPU WITH A CHANNEL DETECTED ERROR
91	(5B) CHARACTER	2	LRBCMPCS	CHANNEL STATUS (ONLINE/OFFLINE). OFFLINE =1, BIT 0 = CHANNEL 0 ETC.

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION

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END OF CHANNEL CHECK HANDLER RECORD
MISSING INTERRUPTION HANDLER RECORD

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
24	(18) CHARACTER	8	LRBNJOB	JOBNAME OF JOB WHOSE I/O WAS PENDING
32	(20) CHARACTER	3	LRBNCUA2	CUA USED TO ADDRESS THE DEVICE
35	(23) CHARACTER	3	LRBNCUA1	PRIMARY CUA
38	(26) CHARACTER	6	LRBNVOL	VOLUME SERIAL NUMBER
44	(2C) SIGNED	4	LRBNDEVT	DEVICE TYPE (FROM UCB)
48	(30) CHARACTER	8	LRBNINT	TIME INTERVAL

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MISCELLANEOUS DATA RECORDER RECORD

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
24	(18) CHARACTER	2	LRBDCUA1	PRIMARY CUA
26	(1A) CHARACTER	6	LRBDVOL	VOLUME SERIAL NUMBER
32	(20) CHARACTER	24	LRBDSENS	DEVICE SENSE DATA

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SYSTEM TERMINATION RECORD

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
24	(18) SIGNED	4	LRBTLNH	LOGREC RECORD LENGTH
28	(1C) HEX	4	LRBTWSC	WAIT STATE CODE
32	(20) HEX	1	LRBTUSR	USER DATA FIELD
0	(0) BAL STMT	0		

Name	Offset	Name	Offset
LRB	0 (0)	LRBHVS1	1 X'40'
LRBCAIO	32 (20)	LRBHVS2	1 X'80'
LRBCCHID	72 (48)	LRBMCCF	60 X'08'
LRBCCLOG	80 (50)	LRBMCEIA	32 (20)
LRBCCUA	73 (49)	LRBMCEL	328(148)
LRBCCUA2	74 (4A)	LRBMCELL	54 (36)
LRBCDATA	3 X'04'	LRBMCHNG	37 X'01'
LRBCDEVT	68 (44)	LRBMCIC	48 (30)
LRBCECSW	64 (40)	LRBMCNOP	60 X'10'
LRBCERPP	3 X'02'	LRBMCOPR	60 X'40'
LRBCFCCW	48 (30)	LRBMDISC	60 X'01'
LRBCFCSW	56 (38)	LRBMEDC	60 (3C)
LRBCFT	81 (51)	LRBMEXSR	60 X'20'
LRBCHCUA	76 (4C)	LRBMFCD	48 X'08'
LRBCICUA	3 X'08'	LRBMFDG	48 X'01'
LRBCINCO	3 X'40'	LRBMFED	48 X'04'
LRBCJOB	24 (18)	LRBMFKE	50 X'20'
LRBCLOGL	78 (4E)	LRBMFLO	48 (30)
LRBCMESG	3 X'80'	LRBMFPD	48 X'40'
LRBCMP	89 (59)	LRBMFSA	64 (40)
LRBCMPCS	91 (5B)	LRBMFSC	50 X'40'
LRBCMPF1	85 (55)	LRBMFSD	48 X'80'
LRBCMPF2	86 (56)	LRBMFSE	50 X'80'
LRBCMPNO	87 (57)	LRBMFSQA	38 X'08'
LRBCMPPA	89 (59)	LRBMFSR	48 X'20'
LRBCNOSP	3 X'10'	LRBMFTD	48 X'10'
LRBCRESD	83 (53)	LRBMFWN	49 X'80'
LRBDCUA1	24 (18)	LRBMHARD	33 (21)
LRBDICE	4 X'07'	LRBMHHRD	33 X'80'
LRBDSENS	32 (20)	LRBMHINV	33 X'08'
LRBDVOL	26 (1A)	LRBMHIPD	33 X'01'
LRBD1006	4 X'F2'	LRBMHSD	33 X'10'
LRBD2703	4 X'F3'	LRBMHSPF	33 X'02'
LRBD2946	4 X'F0'	LRBMHSTO	33 X'04'
LRBD2948	4 X'F1'	LRBMIBU	49 X'02'
LRBD2969	4 X'F4'	LRBMICKC	34 X'04'
LRBD3211	4 X'04'	LRBMICTM	34 X'02'
LRBD3330	4 X'01'	LRBMIDY	49 X'01'
LRBD3340	4 X'09'	LRBMIL80	34 X'01'
LRBHCCH	0 X'21'	LRBMINST	60 X'04'
LRBHCNT	6 (6)	LRBMINTC	38 X'40'
LRBHCPID	16 (10)	LRBMINTM	34 (22)
LRBHCP67	1 X'60'	LRBMINTR	60 X'02'
LRBHCSER	17 (11)	LRBMINVP	36 X'10'
LRBHDATE	8 (8)	LRBMITOD	34 X'08'
LRBHDOS	1 X'20'	LRBMLNH	24 (18)
LRBHMCEL	22 (16)	LRBMLSQA	38 X'04'
LRBHMCH	0 X'13'	LRBMMOSW	40 (28)
LRBHMDL	20 (14)	LRBMNUCL	38 X'10'
LRBHMOR	0 X'90'	LRBMOFLN	38 X'80'
LRBHMIH	0 X'70'	LRBMPDAR	36 (24)
LRBHMORE	2 X'80'	LRBMPGFX	38 X'02'
LRBHNS	2 X'40'	LRBMPWL	39 (27)
LRBHOS	1 X'00'	LRBMRSRC	36 X'08'
LRBHREC	0 X'60'	LRBMRSRF	36 X'04'
LRBHREL	1 (1)	LRBMRSR1	37 (25)
LRBHSWO	2 (2)	LRBMRSR2	38 (26)
LRBHSW1	3 (3)	LRBMSBUF	35 X'01'
LRBHSW2	4 (4)	LRBMSECC	35 X'04'
LRBHSW3	5 (5)	LRBMSER	37 X'02'
LRBHTER	0 X'81'	LRBMSEXD	35 X'08'
LRBHTIME	12 (C)	LRBMSHIR	35 X'02'
LRBHTMC	2 X'08'	LRBMSOFT	35 (23)
LRBHTYPE	0 (0)	LRBMSPER	38 X'20'

Common Name: SRM Storage Management Control Table
Macro ID: IRAMCT
DSECT Name: MCT
Created by: Assembled into nucleus module IRARMCNS
Subpool and Key: NUCLEUS and key 0
Size: 96 bytes
Pointed to by: RMCTMCT field of the RMCT data area
Serialization: SRM lock
Function: Contains storage management control information
for use by SRM storage management module (IRARMSTM).

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
0 (0)	UNKNOWN	96	MCT	STORAGE CONTROL TABLE
0 (0)	UNKNOWN	4	MCTMCT	ACRONYM IN EBCDIC MCT-

===

STORAGE CONTROL CONSTANTS
POINTERS TO SHORTAGE MESSAGES

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
4 (4)	UNKNOWN	4	MCCMS100	SQA SHORTAGE MESSAGE ADDRESS
8 (8)	UNKNOWN	4	MCCMS101	CRITICAL SQA SHORTAGE MSG ADDR
12 (C)	UNKNOWN	4	MCCMS102	SQA SHORTAGE RELIEVED MSG ADDR
16 (10)	UNKNOWN	4	MCCMS200	AUX SHORTAGE MESSAGE ADDRESS
20 (14)	UNKNOWN	4	MCCMS201	CRITICAL AUX SHORTAGE MSG ADDR
24 (18)	UNKNOWN	4	MCCMS202	AUX SHORTAGE RELIEVED MSG ADDR
28 (1C)	UNKNOWN	4	MCCMS203	AUX SHORTAGE USER MESSAGE ADDRESS
32 (20)	UNKNOWN	4	MCCMS400	FIX PAGE SHORTAGE MSG ADDR
36 (24)	UNKNOWN	4	MCCMS401	CRITICAL FIX PAGE SHORTAGE MSG ADDR

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
40 (28)	UNKNOWN	4	MCCMS402	FIX PAGE SHORTAGE RELIEVED MSG ADDR
44 (2C)	UNKNOWN	4	MCCMS403	FIX PAGE USER MESSAGE ADDRESS

STORAGE CONTROL CONSTANTS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
48 (30)	UNKNOWN	2	MCCPLUS	AVAILABLE FRAME QUEUE DELTA FOR STEALING
50 (32)	UNKNOWN	2	MCCRSVH1	RESERVED

AUX STORAGE MONITORING CONSTANTS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
52 (34)	UNKNOWN	2	MCCASHT1	FIRST AUX SHORTAGE THRESHOLD
54 (36)	UNKNOWN	2	MCCASHT2	SECOND AUX SHORTAGE THRESHOLD
56 (38)	UNKNOWN	0	MCCEND	END OF MCT CONSTANTS

STORAGE CONTROL VARIABLES

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
56 (38)	UNKNOWN	2	MCVSTCRI	HIGHEST SYSTEM UIC
58 (3A)	UNKNOWN	2	MCVFRCNT	NUMBER OF PAGES NEEDED TO BE STOLEN BY THE FORCE STEAL RTN
60 (3C)	UNKNOWN	4	MCVAVQC	COUNT OF AVQLOWS

MEMORY CONTROL FLAGS

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
64 (40)	UNKNOWN	1	MCTSFLGS	FLAGS MODIFIED UNDER SALLOC LCK
1...			MCTSQA1	SQA FIRST LEVEL SHORTAGE
.1..			MCTSQA2	SQA SECOND LEVEL SHORTAGE
..1.			MCTAVQ1	AVQ BELOW LIMIT
...1			MCTFAVQ	FIXED FRAMES ABOVE LIM

OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
	 1111		MCTSF04	RESERVED
65	(41) UNKNOWN	1	MCTOFLGS	FLAGS MODIFIED UNDER SRM LOCK
	1...		MCTASM1	ASM FIRST LEVEL SHORTAGE
	.1..		MCTASM2	ASM SECOND LEVEL SHORTAGE
	..1.			RESERVED
	...1		MCTAMS2	ASM SECOND LEVEL MESSAGE
	.... 1...		MCTSMS1	SQA FIRST LEVEL MESSAGE
	.... .1..		MCTSMS2	SQA SECOND LEVEL MESSAGE
	.... ..1.		MCTFX1	FIX PG 1ST LEVEL MSG
	1		MCTFX2	FIX PG 2ND LEVEL MSG
66	(42) UNKNOWN	1	MCTXRSVD	RESERVED
67	(43) UNKNOWN	1	MCTRSVB1	RESERVED

==

TIME INTERVAL VALUES FOR PR1 INVOCATION

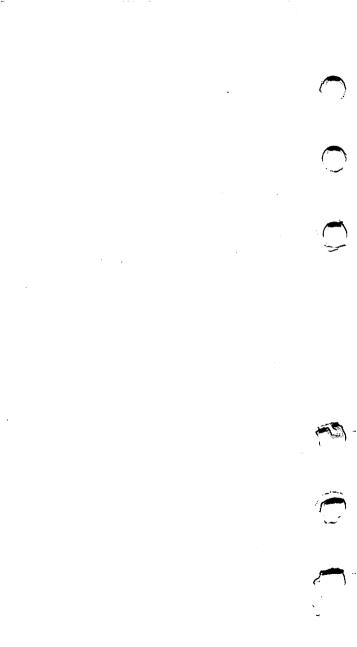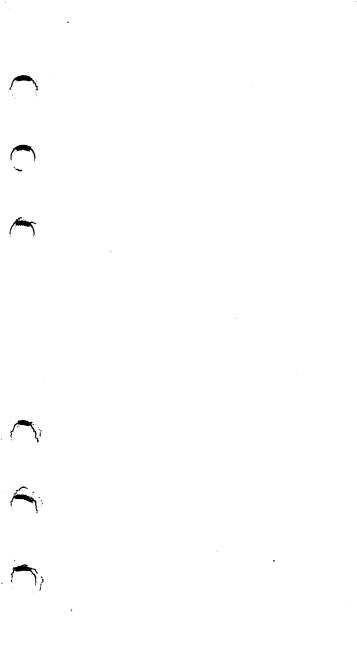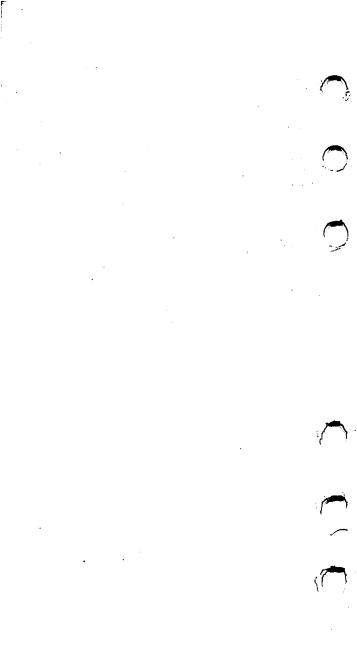| OFFSETS	TYPE	LENGTH	NAME	DESCRIPTION
68	(44) UNKNOWN	4	MCCUICBD	UIC LIMIT BEFORE ADJUSTING
72	(48) UNKNOWN	4	MCCUICIN	PR1 INTERVAL INCREMENT
76	(4C) UNKNOWN	4	MCCPR1IN	INITIAL RMEPINT FOR PR1
80	(50) UNKNOWN	4	MCCINTMX	MAX PR1 INTERVAL
84	(54) UNKNOWN	4	MCVRSVF1	RESERVED
88	(58) UNKNOWN	4	MCVRSVF2	RESERVED
92	(5C) UNKNOWN	4	MCVRSVF3	RESERVED
96	(60) UNKNOWN	0	MCTEND	END OF MCT

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