CA-IDMS®

DSECT Reference

15.0

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How to Use this Manual

What this manual is about

This manual is intended to serve as comprehensive reference for all major DSECTs occurring in the CA-IDMS/DB and CA-IDMS/DC environment in 15.0.

How this manual is organized

DSECTs appear in alphabetical order of name. Each DSECT is listed in the table of contents.

Each DSECT is also indexed both by a description of its purpose and by name.

Related documentation

- *CA-IDMS Dictionary DSECT Reference Guide*
- *CA-IDMS Security Administration*
- *CA-IDMS DSECT Reference Guide*
- *CA-IDMS Dictionary Structure Reference Guide*
- *CA-IDMS DML Reference - Assembler*

How to generate 15.0 IDMS DSECTs

Starting with CA-IDMS 12.0 and continuing with 15.0, you must generate several database-related DSECTs using macro statements rather than COPY books, as was done in release 10.2. The table below identifies the macros that replace 10.2 COPY books. The table also lists new macros which you must generate by a macro statement.

If you have programs that reference the 10.2 COPY book, replace the COPY book with the appropriate macro.

10.2 COPY book	New macro	Comments
COPY #DMCEQ		Obsolete
COPY #DMCDS	#DMCLDS	All DMCL blocks
None	#SUBCB VARS=YES	All SUBSCHEMA blocks
COPY #SUBEQ	`#SUBCB VARS=YES, TYPE=EQUATES`	All SUBSCHEMA blocks using EQUs
COPY #AFMDS	#DMCLDS TYPE=AFMDS	FM61 block
COPY #BCRDS	#DMCLDS TYPE=BCRDS	BC53 block
COPY #DPRDS	#DMCLDS TYPE=DPRDS	PR60 block
COPY #FCBDS	#DMCLDS TYPE=FCBDS	FC59 block
COPY #JBCDS	#DMCLDS TYPE=JBCDS	JB63 block
COPY #JCBDS	#DMCLDS TYPE=JCBDS	JD62 block
None	#DMCLDS TYPE=SEGDS	SG49 block
None	#DMCLDS TYPE=SYMDS	SY40 block
COPY #VACDS	#FACDS VARS=YES	AC56 and VAC blocks
COPY #VCRDS	#FCRDS VARS=YES	CR55 and VCR blocks
None	#FFKDS VARS=YES	FK76 and VFK blocks
COPY #VMRDS	#FMRDS VARS=YES	MR53 and VMR blocks
COPY #VORDS	#FORDS VARS=YES	OR52 and VOR blocks
COPY #VPCDS	#FPCDS VARS=YES	PC70 and VPC blocks
None	#FSADS VARS=YES	SA73 and VSA blocks
COPY #VSRDS	#FSRDS VARS=YES	SR51 and VSR blocks
COPY #VLRDS	#FLRDS VARS=YES	LR80 and VLR blocks
COPY #VLQDS	#FLQDS VARS=YES	LQ81 and VLQ blocks
COPY #VPSDS	#FPSDS VARS=YES	PS83 and VPS blocks

10.2 COPY book	New macro	Comments
COPY #FACDS	#FACDS	AC56 block
COPY #FAMDS	#FAMDS	AM57 block
COPY #FAPDS	#FAPDS	AP72 block
COPY #FCRDS	#FCRDS	CR55 block
COPY #FFDDS	#FFDDS	FD54 block
COPY #FIBDS	#FIBDS	IB50 block
None	#FFKDS	FK76 block
None	#FLBDS	LB74 block
COPY #FMRDS	#FMRDS	MR53 block
COPY #FORDS	#FORDS	OR52 block
COPY #FPCDS	#FPCDS	PC70 block
COPY #FRPDS	#FRPDS	RP71 block
None	#FSADS	SA73 block
COPY #FSRDS	#FSRDS	SR51 block
COPY #FLRDS	#FLRDS	LR80 block
COPY #FLQDS	#FLQDS	LQ81 block
COPY #FPHDS	#FPHDS	PH85 block
COPY #FPSDS	#FPSDS	PS83 block
COPY #FSDDS	#FSDDS	SD82 block

1.0 #ABSTGDS

```
                    COPY #ABSTGDS
             ********************************************************************
             ***                                                              ***
             ***  ABSTG:   SPECIAL SYSTEM-WIDE STORAGE SET ASIDE FOR ABENDING.  ***
             ***                                                              ***
             ********************************************************************

Offset  Value

000000          ABSTG    DSECT                          11:24:07 MAY  26, 1979
000000          ABSTGUSE DS    F                   LOCK WORD.
000004          ABSTGRGS DS    5F                  REGISTERS 13-1 FROM STACK CHECK.
000018          ABSTGACE DS    40F                 ACE AREA IF NO STORAGE AVAILABLE.
0000B8          ABSTGSTK DS    100F                NEW STACK AREA IF OVERFLOW.
        00248   ABSTGLEN EQU   *-ABSTG             LENGTH OF ENTRY.
```

1.1 #ACEDS

```
                         COPY #ACEDS
                ***********************************************************************
                ***                                                                 ***
                *** ACE:   ABEND CONTROL ELEMENT DSECT.                             ***
                ***                                                                 ***
                ***********************************************************************

Offset  Value

000000          ACE      DSECT                           17:12:31 01/24/84
                         PRINT NOGEN
000000          ACEPSW   DS    D                   PSW AT TIME OF INTERRUPT.
000008          ACEGPRS  DS    16F                 GENERAL PURPOSE REGISTERS.
000048          ACEFPRS  DS    4D                  FLOATING POINT REGISTERS.
000068          ACEDWORK DS    D                   DOUBLEWORD WORK FIELD.
                *
                ACEUSRM  #FLAG X'80'               ABORT WAS IN USER MODE.
                ACEPCK   #FLAG X'40'               PROBLEM WAS PROGRAM CHECK.
                ACENOMS  #FLAG X'20'               SET IF NO MESSAGE IS WANTED.
                ACENOSN  #FLAG X'10'               SET IF NO SNAP IS WANTED.
                ACEABRT  #FLAG X'08'               ABORT IMMEDIATELY.
                ACERETR  #FLAG X'04'               RETRY INTERRUPTED INSTRUCTION.
                ACENEXT  #FLAG X'02'               RESTART AT NEXT INTSTRUCTION.
                ACECONT  #FLAG X'01'               CONTINUE AT R14 ADDRESS.
                *
000070          ACEFLAG  DS    XL1                 FLAG BYTE.
000071          ACELOCK  DS    XL1                 LOCK BYTE FOR TS INSTRUCTION.
                *
000072          ACEABCDL DS    XL1                 ABEND CODE.
000073          ACEABCOD DS    XL4
                *
000077          ACEPGMNL DS    XL1                 PROGRAM NAME.
000078          ACEPGMNM DS    XL8
                *
000080          ACEEPSWL DS    XL1                 EBCDIC PROGRAM STATUS WORD.
000081          ACEEPSW  DS    XL17
000092                   DS    XL1                 PADDING.
                *
000093          ACEOFFSL DS    XL1                 OFFSET OF PROBLEM IN PROGRAM.
000094          ACEOFFST DS    XL6
00009A                   DS    XL1                 PADDING.
                *
00009B          ACEMSGNO DS    PL4                 MESSAGE ID NUMBER.
                *
00009F          ACEXAINT DS    0XL4                XA PGM INTERRUPT INFORMATION.
00009F                   DS     XL1                RESERVED SET TO ZERO.
0000A0          ACEILC   DS     XL1                XA PGM INTERRUPT LENGTH COUNTER.
0000A1          ACEINTC  DS     XL2                XA INTERRUPTION CODE.
                         PRINT GEN
        000A4   ACEDSLEN EQU   ((*-ACE+3)/4)*4     LENGTH OF DSECT.
```

1.2 #AFMDS

```
                         #DMCLDS TYPE=AFMDS
                ********************************************************************

                *        AFM (FILE-AREA MAPPING) runtime DMCL control block         *
                ********************************************************************
Offset  Value

000000          AFM      DSECT
000000          AFM61    DS    CL4       'FM61'
000004          AFMFLAG1 DS    XL1       flag 1
000005          AFMFLAG2 DS    XL1       flag 2
        00008   AFMDROP  EQU   X'08'       -  VARY DMCL detected DROPPED FM61
        00004   AFMNEW   EQU   X'04'       -  VARY DMCL detected NEW FM61
        00002   AFMVARY  EQU   X'02'       -  VARY DMCL caused this FM61 to VARY
        00001   AFMDEAD  EQU   X'01'       -  VARY DMCL made this FM61 DEAD
000006          AFMDTIME DS    CL8       DATETIME stamp
00000E                   DS    H         not used
000010          AFMFCO   DS    A         owner FC59
000014          AFMFCN   DS    A         next in FC59-FM61
000018          AFMPRO   DS    A         owner PR60
00001C          AFMPRN   DS    A         next in PR60-FM61
000020          AFMDMN   DS    A         next in DM58-FM61
000024          AFMLOPG  DS    F         LO page for AREA within FILE
000028          AFMHIPG  DS    F         HI page for AREA within FILE
00002C          AFMLORBN DS    F         LO RBN for AREA within FILE
000030          AFMHIRBN DS    F         HI RBN for AREA within FILE
000034          AFMFPXN  DS    A         next FPX in FM61-FPX
000038          AFMSTATA DS    A         A(Statistics block)
                *FMWRIT  DS    F         number of physical WRITES for AREA
                *FMREAD  DS    F         number of physical READS for AREA
                *FMINBUF DS    F         number of times page found in BUFFER
                *FMCACHE DS    F         number of times page found in CACHE
                *FMPRFET DS    F         number of times page found in prefetch buf.
00003C                   DS    4F        Reserved
00004C          AFMEND   DS    0F        end of DSECT
        0004C   AFMDSLEN EQU   *-AFM     length of DSECT
```

1.3 #AMXDS

```
                         COPY #AMXDS
                ********************************************************************
                ***                                                              ***
                ***  PDE EXTENSION FOR FOR AN SQL ACCESS MODULE. THIS ADDRESS OF    ***
                ***  THIS EXTENSION IS IN PDEHLLXA. THE LENGTH OF THE EXTENSION IS  ***
                ***  VARIABLE AND DEPENDS ON THE NUMBER OF LIBRARIES REFERENCED BY  ***
                ***  ACCESS MODULE (FOR TABLES, VIEWS, ETC).                        ***
                ***                                                              ***
                ********************************************************************

Offset  Value

000000          AMX      DSECT                          11/10/88 14:05:01
                AMXSCHK  #FLAG X'80'               SET IF FULL SECURITY CHECK NEEDED
000000          AMXSCHKI DS    0XL1
        00080   AMXSCHKM EQU   X'80'
                AMXRUN   #FLAG X'40'               ACCESS MODULE IS RUNNABLE
000000          AMXRUNI  DS    0XL1
        00040   AMXRUNM  EQU   X'40'
                AMXGRNT  #FLAG X'20'               ACCESS MODULE IS GRANTABLE
000000          AMXGRNTI DS    0XL1
        00020   AMXGRNTM EQU   X'20'
000000          AMXFLAG1 DS    X                   FLAG BYTE ONE
000001                   DS    X                   RESERVED
000002          AMXLIBCT DS    H                   NUMBER OF ENTRIES IN LIBRARY LIST
000004          AMXBITMA DS    A                   ADDRESS OF SECURITY BIT MAP
000008          AMXDATIM DS    CL8                 TIME/DATE OF LAST FULL SECURITY CHK
        00010   AMXLEN   EQU   ((*-AMX+3)/4)*4     LENGTH OF FIXED PORTION
000010          AMXLIBS  DS    0F                  START OF AM'S LIBRARY LIST
```

1.4 #APADS

```
                        COPY #APADS

Offset  Value

000000          APA      DSECT                           12:50:50 08/11/86
                ********************************************************************
                *
                * ADVANCED-PROGRAM-TO-PROGRAM-COMMUNICATION (APPC) ATTRIBUTES
                *
                * THIS DATA AREA IS USED TO PASS AUXILIARY INFORMATION ABOUT AN APPC
                * CONVERSATION TO AN APPLICATION PROGRAM.  THE APPLICATION SUPPLIES
                * THE ADDRESS OF THIS AREA AS PART OF A #APPC GETATTR CALL.  RHDCAPPC
                * FILLS IN THE INFORMATION FROM THE UIOCB
                ********************************************************************
000000          APALLU   DS    CL8          OWN_LU_NAME
000008          APARLU   DS    CL8          PARTNER_LU_NAME
000010          APAMODE  DS    CL8          MODE_NAME
000018          APAUSER  DS    CL8          SECURITY_USER_ID
000020          APAPROFL DS    CL8          SECURITY_PROFILE
000028          APASYNC  DS    C            SYNC_LEVEL
        000D5   APASYNCN  EQU   C'N'          NONE
        000C3   APASYNCC  EQU   C'C'          CONFIRM
000029                   DS    CL7          **RESERVED**
        00030   APADSLEN EQU   ((*-APA+3)/4)*4   DSECT LENGTH
```

1.5 #APPCDS

```
                        COPY #APPCDS

Offset  Value

000000          APPC     DSECT                            12:51:29 08/11/86
                ********************************************************************
                *
                * ADVANCED PROGRAM TO PROGRAM COMMUNICATION (APPC) RESOURCE CONTROL
                *
                * THIS CONTROL BLOCK PASSES INFORMATION BETWEEN AN APPLICATION
                * PROGRAM AND THE APPC HANDLER, RHDCAPPC.  EACH TIME AN APPLICATION
                * ISSUES AN APPC VERB IT SPECIFIES ONE OF THESE BLOCKS.  THE FIRST
                * FIELD IDENTIFIES THE PARTICULAR CONVERSATION TO WHICH THE VERB
                * APPLIES.  STATUS INFORMATION WILL BE RETURNED BY RHDCAPPC IN THE
                * REMAINING FIELDS OF THE CONTROL BLOCK.
                ********************************************************************
000000          APPCCVSA DS    A            RESOURCE ADDRESS (CONVERSATION CONTROL)
000004          APPCRETN DS    C         RETURN_CODE
        000D6   APPCOK    EQU   C'O'        OK
        000C1   APPCAERR  EQU   C'A'        ALLOCATION_ERROR
        000E7   APPCABND  EQU   C'X'        DEALLOCATE_ABEND
        000C4   APPCDEAL  EQU   C'D'        DEALLOCATE_NORMAL
        000D7   APPCPARM  EQU   C'P'        PARAMETER_ERROR
        000C2   APPCPNAC  EQU   C'B'        POSTING_NOT_ACTIVE
        000C5   APPCPENT  EQU   C'E'        PROG_ERROR_NO_TRUNC
        000C6   APPCPEPU  EQU   C'F'        PROG_ERROR_PURGING
        000C7   APPCPETR  EQU   C'G'        PROG_ERROR_TRUNC
        000E2   APPCSENT  EQU   C'S'        SVC_ERROR_NO_TRUNC
        000E3   APPCSEPU  EQU   C'T'        SVC_ERROR_PURGING
        000E5   APPCSETR  EQU   C'V'        SVC_ERROR_TRUNC
        000D9   APPCRFNR  EQU   C'R'        RESOURCE_FAILURE_NO_RETRY
        000D8   APPCRFR   EQU   C'Q'        RESOURCE_FAILURE_RETRY
        000E4   APPCUNSC  EQU   C'U'        UNSUCCESSFUL
000005          APPCSUBC DS    C        SUBCODE
        000C1   APPCAFNR  EQU   C'A'        ALLOCATION_FAILURE_NO_RETRY
        000C2   APPCAFR   EQU   C'B'        ALLOCATION_FAILURE_RETRY
        000C3   APPCCTM   EQU   C'C'        CONVERSATION_TYPE_MISMATCH
        000C4   APPCSNV   EQU   C'D'        SECURITY_NOT_VALID
        000C5   APPCSLNS  EQU   C'E'        SYNC_LEVEL_NOT_SUPPORTED
        000C6   APPCTNR   EQU   C'F'        TPN_NOT_RECOGNIZED
        000C7   APPCTPNN  EQU   C'G'        TRANS_PRM_NOT_AVAILABLE_NO_RETRY
        000C8   APPCTPNR  EQU   C'H'        TRANS_PRM_NOT_AVAILABLE_RETRY
        000C9   APPCOKD   EQU   C'I'        OK_DATA
        000D1   APPCOKND  EQU   C'J'        OK_NOT_DATA
000006          APPCWHAT DS    C        WHAT_RECEIVED
        000C4   APPCDATC  EQU   C'D'        DATA_COMPLETE
        000C5   APPCDATI  EQU   C'E'        DATA_INCOMPLETE
        000C6   APPCDATT  EQU   C'F'        DATA_TRUNCATED
        000C7   APPCCONF  EQU   C'G'        CONFIRM
        000C8   APPCCOND  EQU   C'H'        CONFIRM_DEALLOCATE
        000C9   APPCCONS  EQU   C'I'        CONFIRM_SEND
        000D1   APPCSEND  EQU   C'J'        SEND
        000D2   APPCFMHC  EQU   C'K'        FMH_COMPLETE
        000D1   APPCFMHI  EQU   C'J'        FMH_INCOMPLETE
        000C6   APPCFMHT  EQU   C'F'        FMH_TRUNCATED
000007          APPCRTS  DS    C        REQUEST_TO_SEND_RECEIVED
        000E8   APPCRYES  EQU   C'Y'        YES
        000D5   APPCRNO   EQU   C'N'        NO
000008          APPCLEND DS    H        LENGTH OF DATA RECEIVED
00000A          APPCCONV DS    C        CONVERSATION TYPE
        000C2   APPCBASC  EQU   C'B'       BASIC
```

```
        000D4  APPCMAPD  EQU   C'M'       MAPPED
00000B                  DS    9C       *RESERVED*
        00014  APPCDSLN EQU   ((*-APPC+3)/4)*4   DSECT LENGTH
```

1.6 #APRDS

```
                        COPY #APRDS

Offset  Value

000000          APR      DSECT                           03/07/88 18:06:59
                ********************************************************************
                ***
                *** #APPC REQUEST BLOCK
                ***
                *** USED TO SPECIFY AN ADVANCED-PROGRAM-TO-PROGRAM-COMMUNICATION
                *** REQUEST TO RHDCAPPC.
                ***
                ********************************************************************
000000          APRTYPE  DS    X       REQUEST TYPE
        00004   APRALLOC  EQU   X'04'      ALLOCATE
        00008   APRSEND   EQU   X'08'      SEND
        0000C   APRFLUSH  EQU   X'0C'      FLUSH
        00010   APRRECV   EQU   X'10'      RECEIVE
        00014   APRCONF   EQU   X'14'      CONFIRM
        00018   APRCONFD  EQU   X'18'      CONFIRMED
        0001C   APRERROR  EQU   X'1C'      ERROR
        00020   APRRTS    EQU   X'20'      REQUEST
        00024   APRDEALL  EQU   X'24'      DEALLOCATE
        00028   APRPREPA  EQU   X'28'      PREPARE
        0002C   APRPOST   EQU   X'2C'      POST
        00030   APRTEST   EQU   X'30'      TEST
        00034   APRWAIT   EQU   X'34'      WAIT
        00038   APRGETT   EQU   X'38'      GET_TYPE
        0003C   APRGETA   EQU   X'3C'      GET_ATTRIBUTES
        00040   APRCNTRL  EQU   X'40'      CONTROL SESSION
        00044   APRSFMT   EQU   X'44'      SEND FORMATTED
        00048   APRRFMT   EQU   X'48'      RECEIVE FORMATTED
                APRIMM   #FLAG X'01'       IMMEDIATE                     (ALLOCATE)
000001          APRIMMI  DS    0XL1
        00001   APRIMMM  EQU   X'01'
                APRFLSH  #FLAG X'02'       FLUSH                         (DEALLOCATE)
000001          APRFLSHI DS    0XL1
        00002   APRFLSHM EQU   X'02'
                APRCNFM  #FLAG X'04'       CONFIRM                       (DEALLOCATE)
000001          APRCNFMI DS    0XL1
        00004   APRCNFMM EQU   X'04'
                APRLOCL  #FLAG X'08'       LOCAL                         (DEALLOCATE)
000001          APRLOCLI DS    0XL1
        00008   APRLOCLM EQU   X'08'
                APRABND  #FLAG X'10'       ABEND                         (DEALLOCATE)
000001          APRABNDI DS    0XL1
        00010   APRABNDM EQU   X'10'
                APRLOC   #FLAG X'20'       LOCATE                        (RECEIVE)
000001          APRLOCI  DS    0XL1
        00020   APRLOCM  EQU   X'20'
                APRBASC  #FLAG X'40'       BASIC                         (ALLOCATE)
000001          APRBASCI DS    0XL1
        00040   APRBASCM EQU   X'40'
                APRLOG   #FLAG X'80'       LOGDATA SPECIFIED       (DEALLOCATE/ERROR)
000001          APRLOGI  DS    0XL1
        00080   APRLOGM  EQU   X'80'
000001                   DS    X       OPTNS
                APRCONS  #FLAG X'01'       STATE                         (ALL)
000002          APRCONSI DS    0XL1
        00001   APRCONSM EQU   X'01'
                APRCONI  #FLAG X'02'       INVP (INVALID PARAMETERS)     (ALL)
000002          APRCONII DS    0XL1
```

```
        00002  APRCONIM EQU   X'02'
000002         APRCOND  DS    X       COND
               APRSLCO  #FLAG  X'01'      SYNC_LEVEL(CONFIRM)
000003         APRSLCOI DS    0XL1
        00001  APRSLCOM EQU   X'01'
               APRSLSY  #FLAG  X'10'      SYNC_LEVEL(SYNCPOINT)
000003         APRSLSYI DS    0XL1
        00010  APRSLSYM EQU   X'10'
000003         APRSYNC  DS    X       SYNCLEV                          (ALLOCATE)
000004         APRRESRC DS    A       APPC RESOURCE CONTROL BLOCK ADDR  (ALL)
000008         APRFIX   DS    0C
               * END OF FIXED PORTION OF APR LAYOUT
               *
               *  ALLOCATE FIELDS
               *
000008                  ORG   APRFIX
000008         APRLUNAM DS    A       LUNAME ADDR                     (ALLOCATE)
00000C         APRMODE  DS    A       MODENAM ADDR                    (ALLOCATE)
000010         APRTPN   DS    A       TPN ADDR                        (ALLOCATE)
000014         APRUSER  DS    A       USER ADDR                       (ALLOCATE)
000018         APRPASS  DS    A       PASSWORD ADDR                   (ALLOCATE)
00001C         APRPROFL DS    A       PROFILE ADDR                    (ALLOCATE)
        00020  APRALEN  EQU   ((*-APR+3)/4)*4   PLIST LENGTH
               *
               *  SEND/RECEIVE FIELDS
               *
000020                  ORG   APRFIX
000008         APRDATA  DS    A       DATA ADDRESS                   (SEND/RECEIVE)
00000C         APRLEN   DS    H       DATA LENGTH                    (SEND/RECEIVE)
00000E                  DS    H       FILLER
000010         APRFDA   DS    A       FORMAT DESCRIPTOR ADDRESS      (PRES. SERV.)
        00014  APRSRLEN EQU   ((*-APR+3)/4)*4   PLIST LENGTH
               *
               *  CONTROL SESSION
               *
000014                  ORG   APRFIX
               APRSFD   #FLAG X'01'   SEND FD SPECIFIED              (CTL SESS)
000008         APRSFDI  DS    0XL1
        00001  APRSFDM  EQU   X'01'
               APRRFD   #FLAG X'02'   RECEIVE FD SPECIFIED           (CTL SESS)
000008         APRRFDI  DS    0XL1
        00002  APRRFDM  EQU   X'02'
               APRRAFD  #FLAG X'04'   RECEIVE ABBREVIATED FD         (CTL SESS)
000008         APRRAFDI DS    0XL1
        00004  APRRAFDM EQU   X'04'
000008         APRPSF1  DS    X       FLAG 1 - FD SPECIFICATIONS     (CTL SESS)
               APRCEI   #FLAG X'01'   IGNORE CONVERSION ERROR        (CTL SESS)
000009         APRCEII  DS    0XL1
        00001  APRCEIM  EQU   X'01'
               APRCEW   #FLAG X'02'   WARN ON CONVERSION ERROR       (CTL SESS)
000009         APRCEWI  DS    0XL1
        00002  APRCEWM  EQU   X'02'
               APRCEA   #FLAG X'04'   ABEND ON CONVERSION ERROR      (CTL SESS)
000009         APRCEAI  DS    0XL1
        00004  APRCEAM  EQU   X'04'
000009         APRPSF2  DS    X       FLAG 2 - ERROR HANDLING ACTIONS (CTL SESS)
00000A         APRPSF3  DS    X       FLAG 3  (RESERVED FOR FUTURE)   (CTL SESS)
00000B         APRPSF4  DS    X       FLAG 4  (RESERVED FOR FUTURE)   (CTL SESS)
00000C         APRPSLV  DS    A       LOCAL VERSION IDENTIFICATION    (CTL SESS)
000010         APRPSRV  DS    A       REMOTE VERSION IDENTIFICATION   (CTL SESS)
000014         APRPSCW  DS    H       CONVERSATION WEIGHT             (CTL SESS)
        00018  APRPSLEN EQU   ((*-APR+3)/4)*4   PLIST LENGTH
               *
               *  DEALLOCATE/ERROR
```

```
                *
000016                  ORG   APRFIX
000008          APRLOGD DS    A       LOGDATA ADDRESS            (DEALLOCATE/ERROR)
        0000C   APRDLEN EQU   ((*-APR+3)/4)*4   PLIST LENGTH
```

1.7 #BASHDS

```
                         COPY #BASHDS
                 ***********************************************************************
                 ***                                                                 ***
                 ***   BASHDS:  BME HASH TABLE PREFIX DSECT                          ***
                 ***                                                                 ***
                 ***********************************************************************

Offset  Value

000000           BASHDS   DSECT                           09:44:23 05/28/86
000000           BASHMASK DS    F                 MODULUS MASK FOR # BASH TABLE ENTRIES
000004           BASHNUS  DS    3F                NOT USED
                 BASHWR   #FLAG X'80'             USE BMERDPG/BMEBASHR IN NEXT BME
000010           BASHWRI  DS    0XL1
        00080    BASHWRM  EQU   X'80'
000010           BASHE    DS    0F                FIRST BASH TABLE ENTRY (BME ADDRESS).
                 *                                A BASH TABLE ENTRY CONSISTS OF THE
                 *                                ADDRESS OF THE NEXT BME IN THE CHAIN.
                 *                                BASHWR IS ON IF THE NEXT BME IS IN
                 *                                THE CHAIN BECAUSE OF ITS BMERDPG RATHER
                 *                                THAN BMEPAGE (IE, IN WR/RD TRANSITION).
                 *                                USE BMEBASHR IN THE NEXT BME FOR THE
                 *                                SUBSEQUENT BME IN THE BASH-BME CHAIN.
000010           BASHEND  DS    0F                END OF BME HASH TABLE PREFIX DSECT
        00010    BASHDSLN EQU   BASHEND-BASHDS    LENGTH OF DSECT.
```

1.8 #BCRDS

```
                         #DMCLDS TYPE=BCRDS
                 ********************************************************************
                 *       BCR (BUFFER) runtime DMCL control block                    *
                 ********************************************************************

Offset  Value

000000           BCR      DSECT
000000           BCR53    DS    CL4       'BC53'
000004           BCRFLAG1 DS    XL1       flag 1
        00080    BCRMIOFF EQU   X'80'       -  MIO is off
        00040    BCRNOMIO EQU   X'40'       -  Don't use MIO
        00020    BCRSEQN  EQU   X'20'       -  If on, sequential access
        00002    BCRCSTG  EQU   X'02'       -  CV    storage not XA
        00001    BCRLSTG  EQU   X'01'       -  LOCAL storage not XA
000005           BCRFLAG2 DS    XL1       flag 2
        00008    BCRDROP  EQU   X'08'       -  VARY DMCL detected DROPPED BUFFER
        00004    BCRNEW   EQU   X'04'       -  VARY DMCL detected NEW BUFFER
        00002    BCRVARY  EQU   X'02'       -  VARY DMCL caused this BC53 to VARY
        00001    BCRDEAD  EQU   X'01'       -  VARY DMCL made this BC53 DEAD
000006           BCRNAME  DS    CL18      BUFFER name
000018           BCRDTIME DS    CL8       DATETIME stamp
000020           BCRBUFSZ DS    F         size of BUFFER
000024           BCRBUFLC DS    0F        LOCAL number of buffers allowed
000024           BCRBUFSU DS    F         SINGLE USER buffer count
000028           BCRBUFCV DS    0F        CV initial number of buffers allowed
000028           BCRBUFIN DS    F         initial buffer count
00002C           BCRBUFMX DS    F         CV maximum number of buffers allowed
000030           BCRSYNTB DS    0F        number of entries in synonym table
000030           BCRBASHU DS    F         number of BASH entries, USER defined
000034           BCRKYLEN DS    H         key length for NATIVE VSAM LSR
000036           BCRSTRNO DS    H         nbr of strings for NATIVE VSAM
000038           BCRBUFNI DS    H         nbr of index buffers for NATIVE VSA
00003A           BCRNVTYP DS    H         BUFFER type
                 *                          0=IDMS/NON-NATIVE VSAM
                 *                          1=NATIVE VSAM LSR
                 *                          2=NATIVE VSAM NSR
00003C           BCRDMN   DS    A         next in DM58-BC53
000040           BCRFCN   DS    A         next in BC53-FC59
000044           BCRSTRTI DS    F         Prefetch Start I/O
000048           BCRSTART DS    F         Start I/O - Reads
00004C           BCRMIORQ DS    F         The Pre-fetch Requests - Area sweep
000050           BCRBUFNO DS    F         current number of buffers in use
000054           BCRBUFRQ DS    F         requested number of buffers
000058           BCRINMIO DS    F         Number of Buffers in Multiple I/O
00005C           BCRGSTG  DS    A         GETSTG addr of BME list
000060           BCRCVBMX DS    F         max number of buffers for CV
000064           BCRBMEND DS    A         address of last BME in list
000068           BCRMSTWT DS    F         nbr of buffers with 'MUST WRITE' on
00006C           BCRBUFFA DS    A         address of first BUFFER
000070           BCRECBA  DS    3F        ECB to WAIT on BUFFER
00007C           BCRVBFN  DS    F         next in VARY BUFFER list
000080           BCRNVBSW DS    XL1       LSR BUFFER pool indicator
                 *                          0 = not allocated
                 *                          1 = allocated
000081           BCRNCRIT DS    XL1       DCMT VARY DMCL non critical changes
        00080    BCRNCRI1 EQU   X'80'       -  on if buffer's PAGE size changed
                 *
        00080    BCRSOS   EQU   X'80'       -  Open buffer set SOS on
000082           BCRFLG2  DS    XL1       not used
        00040    BCRNALOC EQU   X'40'       -  buff alloc failed for #GETSTG   IDMS/1522
                 *                             and GETMAIN                     IDMS/1522
                 *
```

```
Offset  Value

000083          BCROPENI DS    0XL1
        00080   BCROPENM EQU   X'80'
000083          BCRXAI   DS    0XL1
        00040   BCRXAM   EQU   X'40'
000083          BCRBDAMI DS    0XL1
        00020   BCRBDAMM EQU   X'20'
000083          BCR16MI  DS    0XL1
        00010   BCR16MM  EQU   X'10'
        00008   BCRCLOSE EQU   X'08'       -  close the BCR
000083          BCROPERI DS    0XL1
        00004   BCROPERM EQU   X'04'
000083          BCR1STI  DS    0XL1
        00002   BCR1STM  EQU   X'02'
        00001   BCRREOP  EQU   X'01'       -  Close and then re-open the buffer
000083          BCRFLG1  DS    XL1       flag byte
000084          BCRFCC   DS    A         IDMSBLDR current FC59
000088          BCRWAIT  DS    F         nbr of times system waited for BME
00008C          BCR1FULL DS    F           Disp to first fullword in bit list.
000090          BCRLFULL DS    F           Disp to last fullword  in bit list.
000094          BCR1BIT  DS    F           BIT pattern of first fullword
000098          BCRLBIT  DS    F           BIT pattern of last  fullword
00009C          BCR#FULL DS    F           Nbr of bit list fullwords for this pool
0000A0          BCRMSGN  DS    A         next in BCR/MESSAGE list
0000A4          BCRMSGA  DS    A         active MESSAGE
0000A8          BCRMINPF DS    F         Minimum number of prefetch buffers
0000AC          BCRRDFWT DS    F         READ forces WRITE
0000B0          BCRWRIT  DS    F         physical WRITE count
0000B4          BCRREAD  DS    F         physical READ count
0000B8          BCRINBUF DS    F         number of times page found in BUFFER
0000BC          BCRBME#  DS    F         number of BMEs
0000C0          BCRNUM   DS    F         BCR number - ID
0000C4          BCRBPCA  DS    A         address of the BPC
0000C8          BCRSIORQ DS    F         Single Track I/O request
0000CC          BCRNIORQ DS    F         Non prefetch request
0000D0          BCRBASH# DS    F         number of actual BASH entries
0000D4          BCRBC53A DS    A         address of LOADED BC53
0000D8          BCRALLSZ DS    F         buffer ALLOCATION size
0000DC          BCRADDSZ DS    F         additional buffer ALLOCATION size
0000E0          BCRIOSZ  DS    F         requested number of I/O buffers
0000E4          BCRIOBUF DS    F         number of I/O buffers in use
0000E8          BCRSPC#I DS    F         requested number of SUB POOLS
0000EC          BCRSPCMX DS    F         MAXIMUM number of SUB POOLS
0000F0          BCRSYSID DS    F         BCR SYSTEM ID
0000F4          BCRECBMP DS    F         change BCR LOCK ECB - MP
0000F8          BCRALLMN DS    F         minimum ALLOCATION size
0000FC          BCRMIOF  DS    F         MIO failure requests
000100          BCRCACHE DS    F         number of times page found in CACHE
000104          BCRPRFET DS    F         number of times page found in prefetch buf.
000108          BCRFACTR DS    F         local = 75; CV = BCRBUFNO/4
00010C          BCRBUF4  DS    F         BCRBUFNO/4
000110          BCRBUF2  DS    F         BCRBUFNO/2
000114          BCRLOBT  DS    F         Global Locks - OBTAIN  requests
000118          BCRLALT  DS    F         Global Locks - ALTER   requests
00011C          BCRLREL  DS    F         Global Locks - RELEASE requests
000120          BCRLWAIT DS    F         Global Locks - Times waited on lock.
000124                   DS    1F        Reserved.
000128          BCREND   DS    0F        end of DSECT
        00100   BCR256   EQU   BCR+256   position 256 bytes into the BCR
        00100   BCR256LN EQU   BCR256-BCR    first 256 bytes
        00028   BCRXTLN  EQU   *-BCR256  last remaining bytes
        00128   BCRDSLEN EQU   *-BCR     length of DSECT
```

1.9 #BMAHDS

```
                         COPY #BMAHDS
                ***
                ***
                ***  BMAH:    BUFFER ADDRESS HEADER
                ***
                ***

Offset  Value

000000          BMAH     DSECT                           08/14/89 14:08:44   01/21/91
000000          BMAHID   DS    CL4                BMAH literal
000004          BMAHBPCO DS    A                  owning BPC
000008                   DS    A
00000C          BMAHBPXO DS    A                  owning BPCX
000010                   DS    A
000014          BMAHBMAN DS    A                  next BMAH
000018                   DS    A
00001C          BMAHBMAP DS    A                  prior BMAH
000020                   DS    A
000024          BMAHBMAA DS    A                  address of BMA
000028                   DS    A
00002C          BMAHBMA# DS    F                  number of BMA'S
000030          BMAHBUN  DS    F                  number of unused BMA'S
000034          BMAHBMAX DS    F                  MAXIMUM number of BUFFERS
000038          BMAHSZ   DS    F                  size of BMAH
00003C          BMAHBMEN DS    A                  next BME in BMAH/BME
000040          BMAHBMEA DS    A                  holds last BME
000044          BMAHFLG1 DS    X                  first flag byte
        00080   BMAHXA   EQU   X'80'              this BMAH has been GETMAIN'd
        00040   BMAHNB   EQU   X'40'              BMAH and buffers
000045          BMAHFLG2 DS    X                  second flag byte
000046          BMAHFLG3 DS    X                  third flag byte
000047          BMAHFLG4 DS    X                  fourth flag byte
000048                   DS    6F                 not used
        00060   BMAHDSLN EQU   ((*-BMAH+7)/8)*8   DOUBLE WORD ALIGNED
```

1.10 #BMEDS

```
                    COPY #BMEDS
              *-----------------------------------------------------------------
              *              Buffer Management Element DSECT
              *-----------------------------------------------------------------

Offset  Value

000000        BMEDS    DSECT                                                 02/15/01
000000        BMEPAGE  DS    F          Page Number
000004        BMERDPG  DS    F          Page Number being read in
000008        BMENEXT  DS    F          Next pointer in least recent list
00000C        BMEPRIOR DS    F          Prior pointer in least recent list
000010        BMEBMA   DS    F          Address of buffer
000014        BMEDBWS1 DS    F          First TBK to set Must Write
000018        BMEDBWS2 DS    F          Second TBK to set Must Write
00001C        BMEDBWS3 DS    F          Third TBK to set Must Write
              *
000020        BMERDIO  DS    C          READ I/O in progress
000021        BMEWRIO  DS    C          WRITE I/O in progress
000022        BMEJTMWS DS    C          Journal Must Write switch
000023        BMEDBMWS DS    C          Data Base Must Write switch
              *
000024        BMESECB  DS    3F         Buffer share lock ECB
000030        BMESWAIT DS    F          Num of TBK's waiting for shr'd use of BME
000034        BMEXECB  DS    3F         Buffer exclusive lock ECB
000040        BMEXWAIT DS    F          Num of TBK's waiting for excl use of BME
              *
000044        BMEPGRP  DS    H          Page Group of Page in Buffer
000046        BMEPGRPR DS    H          Page Group of Page to be read
000048        BMESYSID DS    F          BME'S System ID
00004C        BMEDECB  DS    F          OS-addr of DECB; DOS-addr of DTF To Wait on
000050        BMEJSEQ  DS    2F         Highest journal sequence for this buffer
000058        BMEBMAHA DS    A          Addr of BMA's BMAH
00005C        BMEBMAA  DS    A          Addr of active BMA
              *
000060        BMEIOPA  DS    F          IOP of TBK 1st in control of buffer
000064        BMEIOPAL DS    F          IOP of TBK last in control of buffer
000068        BMEBASH  DS    F          Next in BASH-BME primary chain (BMEPAGE)
00006C        BMEBASHR DS    F          Next in BASH-BME secondary chain (BMERDPG)
000070        BMESPCN  DS    A          Next BME in SPC/BME list
000074        BMESPCP  DS    A          Prior BME in SPC/BME list
000078        BMEBMAN  DS    A          Addr of next BME in BMAH/BME
00007C        BMEDISP  DS    F          Displacement into Bit List
              *------
000080        BMEOBIT  DS    F          OR'd bit
000084        BMENBIT  DS    F          AN'd bit
000088        BME2OBIT DS    F          2k OR'd bit
00008C        BME2DISP DS    F          2k displacement
              *
              *  The following 11 fields are copied en masse from BME to IOP
              *  and back. Please do not rearrange them.  Keep in sync with IOP.
              *
000090        BMEDPR   DS    A          current DPR
000094        BMEAFM   DS    A          Address of the current AFM
000098        BMEFCB   DS    A          current FCB
00009C        BMEBCRA  DS    0A         Address of BME's BCR
00009C        BMEBCR   DS    A          current BCR
              *
0000A0        BMEBPCA  DS    0A         Address of BME's BPC
0000A0        BMEBPC   DS    A          current BPC
0000A4        BMEBPCX  DS    A          current BPCX
0000A8        BMESPCA  DS    0A         owning SPC
0000A8        BMESPC   DS    A          current SPC
```

```
Offset  Value

0000AC          BMESPAIN DS    A          SPAINO
                *
0000B0          BMERBN   DS    F          current RBN
0000B4          BMEFPX   DS    A          current FPX
0000B8          BMEFSC   DS    A          current FSC
                *                       **end of grouped fields.
0000BC          BMEBNVI  DS    A          BNVI for #CACHE
                *
0000C0          BMENXTIO DS    A          Next in I/O chain
0000C4          BMEPRIO  DS    A          Prior in I/O chain
                *
                *   Page Locking fields
                *
0000C8          BMELKGA  DS    A          LKG for page lock.
0000CC          BMETCEA  DS    A          TCE issuing lock request.
0000D0                   DS    0D
0000D0          BMELOCK  DS    0F         Lock word, use CS to update.
0000D0          BMELMODN DS    X          Lock Mode needed.  NL, S, X. See LKM.
0000D1          BMELMODH DS    X          Lock Mode held.    NL, S, X.
0000D2          BMELFLAG DS    X          Flags
        00080   BMELIP   EQU   X'80'      Lock in progress.
        00040   BMELH    EQU   X'40'      Lock held.
        00020   BMEXWTRS EQU   X'20'      There are External Waiters.
0000D3          BMECLAIM DS    X          Claim byte.  0 = Unclaimed.
                *
0000D4          BMEFLG1  DS    X          Flag byte.
        00080   BMEVALID EQU   X'80'      On if Page in BME is valid.
        00040   BMEIOERR EQU   X'40'      On if I/O error on this page.
0000D5                   DS    3X         not used
                *
0000D8          BMERID   DS    XL8        Global Lock Manager Resource id.
                *
0000E0          BMETSKID DS    F          Task ID issuing lock request.
0000E4                   DS    6F         not used
0000FC          BMELIT   DS    CL4'BME*'  Eyecatcher - should be up front.
000100          BMEEND   DS    0F         End of Buffer Management Element
        00100   BMEDSLEN EQU   BMEEND-BMEDS
```

1.11 #BMEHDS

```
                         COPY #BMEHDS
                ***
                ***
                ***  BMEH:    BUFFER MANAGEMENT ELEMENT HEADER
                ***
                ***

Offset  Value

000000          BMEH     DSECT                           04/27/89 16:24:41
000000          BMEHID   DS    CL4                BMEH literal
000004          BMEHBPCO DS    A                  owning BPC
000008                   DS    A
00000C          BMEHBPXO DS    A                  owning BPCX
000010                   DS    A
000014          BMEHBME# DS    F                  number of BMES
000018                   DS    A
00001C          BMEHBMEN DS    A                  BMES not used
000020                   DS    A
000024                   DS    A
000028                   DS    A
00002C                   DS    A
000030                   DS    4A
        00040   BMEHDSLN EQU   ((*-BMEH+7)/8)*8   DOUBLE WORD ALIGNED
```

1.12 #BPCDS

```
                         COPY #BPCDS
                ***
                ***
                ***  BPC:     BUFFER POOL CONTROL ELEMENT DSECT
                ***
                ***

Offset  Value

000000          BPC      DSECT                                                  02/09/99
000000          BPCID    DS    CL4        BPC literal
000004          BPCBCO   DS    A          owning BCR
000008          BPCFLAG  DS    0F         BPC flag bytes
000008          BPCFLAG1 DS    X
        00080   BPCBITXA EQU   X'80'      The Bit list is XA
        00040   BPC#GSTG EQU   X'40'      Buffer alloc'd via #GETSTG          IDMS 1522
        00020   BPCGMAIN EQU   X'20'      Buffer alloc'd via GETMAIN          IDMS 1522
000009          BPCFLAG2 DS    X
00000A          BPCFLAG3 DS    X
00000B          BPCFLAG4 DS    X
00000C          BPCBPCXN DS    A          next BPCX
000010                   DS    A
000014          BPCBPCXP DS    A          prior BPCX
000018                   DS    A
00001C          BPCBASHA DS    A          BASH address
000020                   DS    A
000024          BPCSPCN  DS    A          next SPC
000028                   DS    A
00002C          BPCSPCP  DS    A          prior SPC
000030                   DS    A
000034          BPCFPXN  DS    A          next FPX
000038                   DS    A
00003C          BPCBASH# DS    F          number of BASH elements
000040          BPCBMASK DS    F          BASH MASK
                *                    These fields track buffers with must write.
000044          BPCBITL  DS    A          Addr of BME BIT LIST for this BCR
000048          BPCBCR#  DS    F          This BCRs number in DMCBCRA address list.
00004C          BPCBITP  DS    A          Addr BPC'S BIT PATTERN for DMCBCRAC bit list.
000050          BPCBIT2  DS    A          Addr of BME 2K bit list for this BCR.
000054          BPCBITF  DS    F          Nbr  of fullwords in BME bit list.
000058          BPCBMELA DS    A          Addr of BME address list for this BCR.
00005C          BPCBMEAV DS    A          Next available BME slot in BME addr list.
000060          BPCBMEDP DS    F          Offset to next available word in bit list.
000064          BPCOMASK DS    F          Next available OR  MASK for that word.
000068          BPCNMASK DS    F          Next available AND MASK for that word.
                *
00006C          BPCSZ    DS    F          size of BPC
000070          BPCBITSZ DS    F          size of the BIT LISTS
000074          BPCSPCSZ DS    F          size of the SPC/FSC/FPX/MCX
                *
000078          BPC2DISP DS    F          displacement for next BME in 2k bit list
00007C          BPC2OBIT DS    F          2k bit list mask
000080          BPC2SZ   DS    F          size of the 2k bit list
000084          BPCSTAT  DS    F          Buffer status
                *                    These fields track buffers with external waiters.
000088          BPCWBIT2 DS    A          External Waiter 2K Bit list for this BCR.
00008C          BPCWBITL DS    A          External Waiter Bit list for this BCR.
                *
000090                   DS    6F         not used
        000A8   BPCDSLEN EQU   ((*-BPC+7)/8)*8    DOUBLE WORD ALIGNED
```

1.13 #BPCXDS

```
                         COPY #BPCXDS
                ***
                ***
                ***  BPCX:    BUFFER POOL EXTENSION CONTROL ELEMENT DSECT
                ***
                ***

Offset  Value

000000          BPCX     DSECT                           08/14/89 14:07:06
000000          BPCXID   DS    CL4                 BPCX literal
000004          BPCXBCO  DS    A                   owning BC53
000008                   DS    A
00000C          BPCXBPXN DS    A                   next BPCX
000010                   DS    A
000014          BPCXBPXP DS    A                   prior BPCX
000018                   DS    A
00001C          BPCXBPCO DS    A                   owning BPC
000020                   DS    A
000024          BPCXBMEH DS    A                   address of BMEH for this BPCX
000028                   DS    A
00002C          BPCXBMEA DS    A                   address of BME'S for this BPCX
000030                   DS    A
000034          BPCXBMEL DS    A                   last BME in this BPCX
000038                   DS    A
00003C          BPCXBMED DS    A                   last active BME in this BPCX
000040                   DS    A
000044          BPCXBMAN DS    A                   next BMAH
000048                   DS    A
00004C          BPCXBMAP DS    A                   prior BMAH
000050                   DS    A
000054                   DS    A
000058                   DS    A
00005C          BPCXBME# DS    F                   number of BMES in this BPCX
000060          BPCXBMA# DS    F                   number of BMAS in this BPCX
000064          BPCXBUN  DS    F                   number of unused BMES
000068          BPCXBMN  DS    F                   MINIMUM number of BUFFERS
00006C          BPCXSZ   DS    F                   SIZE of BPCX for FREEMAIN
000070          BPCXFL1  DS    0XL1                first flag buye
                BPCXP    #FLAG X'80'                PRIMARY or INITIAL POOL
000070          BPCXPI   DS    0XL1
        00080   BPCXPM   EQU   X'80'
                BPCXIO   #FLAG X'40'                I/O POOL
000070          BPCXIOI  DS    0XL1
        00040   BPCXIOM  EQU   X'40'
        00020   BPCXCLS  EQU   X'20'                close this pool
        00010   BPCXNA   EQU   X'10'                this pool is Not Available - closed
        00008   BPCXXA   EQU   X'08'                this pool has been GETMAIN'd
000070          BPCXFL2  DS    XL1                 second flag byte
000071          BPCXFL3  DS    XL1                 third flag byte
000072          BPCXFL4  DS    XL1                 fourth flag byte
000074                   DS    10A                 not used
        000A0   BPCXDSLN EQU   ((*-BPCX+7)/8)*8     double word aligned
```

1.14 #CCEDS

```
                         COPY #CCEDS
                ********************************************************************
                ***                                                              ***
                ***  CCE:     IDMS CENTRAL CONTROL ELEMENT DSECT                 ***
                ***                                                              ***
                ********************************************************************

Offset  Value

000000          CCE      DSECT                                            06/07/99
000000          CCECC49  DS    CL4                      LITERAL "CC49"
000004          CCEECB   DS    F                        DBRC UNSOLICITED REQUEST ECB
000008          CCEMSG   DS    CL40                     DBRC UNSOLICITED MESSAGE
000030          CCEDMCNM DS    CL8                      NAME OF DMCL TABLES
000038          CCEDMCA  DS    A                        ADDR OF DMCL TABLES
00003C          CCEFTBKA DS    A                        ADDR OF FIRST TBK
000040          CCELTBKA DS    A                        ADDR OF LAST  TBK
                **R12.0  DS    A        CCEOVERA        A(AREA/BUFFER OVERRIDES)
000044          CCEIOPA  DS    A                         ????????????            R12.0
000048          CCEPROGA DS    A                        A(EXTERNAL PROGRAM TABLE)
00004C          CCERUID  DS    F                        NEXT AVAILABLE RU ID
000050          CCETXCNT DS    H                        ACTIVE   TRANSACTION  COUNT
000052          CCEXRCNT DS    H                        EXTERNAL REQUEST UNIT COUNT
000054          CCELOCKS DS    H                        SYSTEM MAX DBKEY LOCK SYNONYMS
                **R12.0  DS    H        CCERULOK        DEFAULT MAX RU DBKEY LOCKS
000056          CCESVCNX DS    XL1                      VSE: Saved SVC Nbr   IDMSDC/644
000057                   DS    XL1                       UNUSED                  R12.0
000058          CCELOKSR DS    XL1                      SHR RETRIEVAL DBKEY LOCK IND
000059          CCELOKPU DS    XL1                      PROT UPD DBKEY LOCK IND
00005A          CCEWARM  DS    XL1                      WARMSTART INDICATOR
00005B          CCEQFIN  DS    XL1                 01 IF SOME DPR IS QUIESCED. ELSE 0.
                *  THE FOLLOWING FIELDS PERTAIN TO EXTERNAL RUNUNITS  ONLY
00005C          CCEESEA  DS    A                        A(ESE)
000060          CCEIWTIM DS    H                        DEFAULT INTERNAL WAIT TIME
000062          CCEXWTIM DS    H                        DEFAULT EXTERNAL WAIT TIME
000064          CCECSVCE DS    A                        A(CSVC ENTRY)
000068          CCESVC   DS    0H                       SVC N INSTRUCTION
000068                   DS    XL1
000069          CCESVCNM DS    XL1                      SVC NUMBER
00006A 0                 BR    4                        CSVCE RETURN INSTRUCTION
00006C          CCEMAXRU DS    H                        MAX EXTERNAL RU
00006E          CCECVNUM DS    XL1                      CENTRAL VERSION NUMBER
00006F          CCEPAKET DS    XL1                      DEFAULT PAKET MODE
        00000   CCEPAK0  EQU   0                        0  NO PAKETS
        00001   CCEPAK1  EQU   1                        1  ERUS BUILDS/INT UNPAKS
        00002   CCEPAK2  EQU   2                        2  SVC BY INT BUILDS/UNPAKS
        00003   CCEPAK3  EQU   3                        3  INT BUILDS/UNPAKS
000070          CCEKEY   DS    XL1                      0=SYSTEM 1=USER PROTECT KEY
000071          CCERUPRI DS    XL1                      DEFAULT RU PRIORITY
000072          CCEPGTAB DS    XL1                      0=ANY  1=ONLY CCEPROG
000073          CCENMCKU DS    XL1                 NUMBER OF CHECK-USER SUBTASKS.
000074          CCEAPARM DS    CL4                 LITERAL "ABS " FOR SVC ABORT.
000078                   DS    AL1                 VERB NUMBER 10.
000079                   DS    AL1                 CAMP NUMBER.
                *
                **R12.0  DS    H      CCEPET       DEFAULT PREEMPT  THRESHOLD
00007A          CCEAAQTH DS    H                   AREA ACQUISITION THRESHOLD     R12.0
                *
                **R12.0  DS    F      CCELWTIM     'LOOK AROUND' WAIT TIME.
00007C          CCEAAQRC DS    H                   AREA ACQUISITION RETRY COUNT   R12.0
00007E          CCERWAIT DS    H                   RECOVERY WAIT TIME             R15.0
                *
000080          CCETPRGM DS    CL8                 TEST PROGRAM NAME (IN PDE).
```

```
Offset  Value

000088          CCEJRNLR DS    XL1                 1=JOURNAL RETRIEVAL RU'S. 0=NO.
000089          CCEFLAGA DS    X                   OPTIONS FLAG A
        00080   CCEVMCF  EQU   X'80'                VMCF=YES
                CCEABRU  #FLAG X'80'                SNAP ON ABRU
00008A          CCEABRUI DS    0XL1
        00080   CCEABRUM EQU   X'80'
                CCEADB   #FLAG X'40'                ALWAYS USE CCEDBNM (SYSCTL)
00008A          CCEADBI  DS    0XL1
        00040   CCEADBM  EQU   X'40'
                CCEAND   #FLAG X'20'                ALWAYS USE CCENOD  (SYSCTL)
00008A          CCEANDI  DS    0XL1
        00020   CCEANDM  EQU   X'20'
                CCEENQ   #FLAG X'08'                ON IF CV ENQ PERFORMED
00008A          CCEENQI  DS    0XL1
        00008   CCEENQM  EQU   X'08'
                CCER12   #FLAG X'04'                ON IF CV IS RELEASE 12
00008A          CCER12I  DS    0XL1
        00004   CCER12M  EQU   X'04'
00008A          CCEFLAGB DS    XL1
                CCEIODC  #FLAG X'80'                CLOSE I/O WRITE DRIVER
00008B          CCEIODCI DS    0XL1
        00080   CCEIODCM EQU   X'80'
                CCEJNDC  #FLAG X'40'                CLOSE JOURNAL   DRIVER
00008B          CCEJNDCI DS    0XL1
        00040   CCEJNDCM EQU   X'40'
                CCERDDC  #FLAG X'20'                CLOSE I/O READ  DRIVER
00008B          CCERDDCI DS    0XL1
        00020   CCERDDCM EQU   X'20'
                CCERDUP  #FLAG X'10'                I/O READ DRIVER IS ALIVE
00008B          CCERDUPI DS    0XL1
        00010   CCERDUPM EQU   X'10'
                CCEAERE  #FLAG X'08'           ACTIVE ERE FOUND AT CLOSE (SHUTDOWN)
00008B          CCEAEREI DS    0XL1
        00008   CCEAEREM EQU   X'08'
                CCESHUT  #FLAG X'02'           ON IF IMMEDIATE SHUTDOWN REQUESTED
00008B          CCESHUTI DS    0XL1
        00002   CCESHUTM EQU   X'02'
                CCERTRY  #FLAG X'01'           ON if SYSIDMS parm RETRY=OFF specified
00008B          CCERTRYI DS    0XL1
        00001   CCERTRYM EQU   X'01'
00008B          CCEFLAG  DS    XL1
00008C          CCELEN   DS    F                        LENGTH OF CCE TABLES
000090          CCESLTHI DS    H                        HIGHEST USED SYNONYM ENTRY
000092          CCEDEDRU DS    H                        DEDICATED ERU'S           R12.0
000094          CCELOCKA DS    A                        A(LOCK SYNONYM TABLE)
000098          CCELOKHA DS    A                        A(LOCK HASH TABLE)
00009C          CCELOKRT DS    CL32                     LOCK RU-ID TABLE
0000BC          CCESTATS DS    0F                       CV STATISTICS
0000BC          CCESTTIT DS    F                        TOTAL TRANSACTIONS PROCESSED
0000C0          CCESTTER DS    F                        TOTAL EXTERNAL RU'S PROCESSED
0000C4          CCESTNIR DS    F                        TOTAL RU'S ENDED NORMALLY
0000C8          CCESTNER DS    F                        TOTAL EXT RU'S ENDED NORMALLY
0000CC          CCESTMIT DS    F                        MAX CONCURRENT TRANSACTIONS
0000D0          CCESTMER DS    F                        MAX CONCURRENT EXT RU'S
0000D4          CCESTTLR DS    F                        TOTAL DBKEY LOCKS REQUESTED
0000D8          CCESTMHT DS    F                        MAX HASH TABLE ENTRIES
0000DC          CCESTMST DS    F                        MAX SYNONYM TBL ENTRIES
0000E0          CCESTEDB DS    F                        EXTERNAL RUN UNIT COUNT - RFH
0000E4                   DS    5F                       PADDING FOR CV STATS
0000F8                   ORG   *-8        R12+
0000F0          CCEITVCT DS    F                   THE EPOCH TIME WHEN DRIVER POSTED
0000F4          CCEIOPAA DS    A                   ADDRESS OF USER'S IOP
0000F8          CCECKUA  DS    A                   ADDRESS OF CHECK-USER TABLE.
0000FC          CCEUPECB DS    F                   ECB IS POSTED WHEN DBRC IS UP.
000100          CCEUECBA DS    A                   ADDRESS OF EXT ECB FOR UP POSTING.
000104          CCESCDDN DS    CL8                 SYSCTL DDNAME (OS + DOS)
```

```
Offset  Value

00010C          CCESYSLK DS    F                   NUMBER OF SYSTEM LOCKS.
000110          CCESTCIT DS    F                   CURRENT NUMBER OF TRANSACTIONS
000114          CCESTCER DS    F                   CURRENT NUMBER OF EXTERNAL RU
000118          CCELOKHS DS    F                   SYS DBK LOCK HASH TABLE LEN
00011C          CCESTCHT DS    F                   CURRENT NUMBER OF HASH LOCKS
000120          CCESTCST DS    F                   CURRENT NUMBER OF SYNONYM ENTRIES
000124          CCETIMER DS    F                   SETIME ECB
                **R12.0  DS    A      CCEDBNMA     ADDR OF FIRST DBNAME CB; 0'S IF NONE
000128          CCEJFRGI DS    H                   JOURNAL FRAGMENT INTERVAL      R12.0
00012A          CCEJTRLV DS    H                   JOURNAL TRANSACTION LEVEL      R12.0
00012C          CCEDBNM  DS    CL8                 SYSCTL DBNAME
000134          CCENOD   DS    CL8                 SYSCTL NODE NAME
00013C          CCERLBA  DS    A                   DB RESOURCE LIMIT BLK      JIC031684
000140          CCEVRECB DS    3F                  INTERNAL ECB FOR VARY TASK
00014C          CCEVECB  DS    2F                  EXTERNAL ECB FOR VARY TASK
000154          CCEVDPR  DS    A                   HEAD OF VARY AREA LIST
000158          CCEVBCR  DS    A                   HEAD OF VARY BUFFER LIST
00015C          CCEVJBR  DS    A                   HEAD OF VARY JOURNAL BUFFER LIST
000160          CCEMSGLN DS    A                   HEAD OF MESSAGE LIST
000164          CCEJRECB DS    3F                  INTERNAL ECB FOR JOURNAL DRIVER
000170                   ORG  CCEJRECB
000164          CCEFBUFA DS    A                   ADDR OF FILE/BUF STG
000168          CCEFBUFN DS    A                   ADDR OF NEXT FILE/BUF ENTRY
00016C          CCEFBUFL DS    A                   ADDR OF LAST FILE/BUF ENTRY
000170          CCEJXECB DS    2F                  EXTERNAL ECB FOR JOURNAL DRIVER
000178          CCEJSECB DS    2F                  EXTERNAL ECB JRNL DRV DSEG WRITE
000180          CCEIOECB DS    3F                  WRITE I/O DRIVER INTERNAL ECB
00018C          CCEIXECB DS    2F                  WRITE I/O DRIVER EXTERNAL ECB
000194          CCERDECB DS    3F                  READ I/O DRIVER INTERNAL ECB
0001A0          CCERXECB DS    2F                  READ I/O DRIVER EXTERNAL ECB
0001A8          CCEPGLST DS    F                   LIST OF PAGES TO READ
0001AC          CCEMSGLK DS    F                   CCEMSG LOCK WORD FOR MP LOCKING
0001B0          CCEMSGUN DS    A                   HEAD OF MESSAGE LIST - USER STG
0001B4          CCEJRDLK DS    F                   CCE JOURNAL DRIVER LOCK - MP
0001B8          CCEEPOCH DS    F                   EPOCH TIME
0001BC          CCERUQLV DS    F                   QUIESCE LEVEL
0001C0          CCERUWAT DS    F                   RUN UNITS WAITING
0001C4          CCEVSEG  DS    A                   NEXT IN VARY SEGMENT  LIST
0001C8          CCENDMCL DS    A                   ADDRESS OF THE NEW DMCL
0001CC          CCEWORK  DS    F                   GENERAL WORK FIELD
0001D0          CCEVDB   DS    A                   NEXT IN VARY DMCL LIST
0001D4          CCEVDB2  DS    A                   VARY DMCL PHASE 2
0001D8          CCEVDB3  DS    A                   VARY DMCL PHASE 3
0001DC          CCEVDB4  DS    A                   VARY DMCL PHASE 4
0001E0          CCEVDB5  DS    A                   VARY DMCL PHASE 5
0001E4          CCEVDBAD DS    A                   ADDRESS OF ACTIVE PHASE
0001E8          CCEVDECB DS    F                   VARY DMCL ECB - HELOT
0001EC          CCEVUECB DS    F                   VARY DMCL ECB - USER
0001F0          CCEVDFL1 DS    X                   VARY DMCL FLAG 1
        00080   CCEVDAU  EQU   X'80'                 AUDIT
        00040   CCEVDCL  EQU   X'40'                 CANCEL
        00020   CCEVDRB  EQU   X'20'                 REBUILD
0001F1          CCEVDFL2 DS    X                   VARY DMCL FLAG 2
        00080   CCEVDAUF EQU   X'80'                 AUDIT FINISHED
        00040   CCEVDCLF EQU   X'40'                 CANCEL FINISHED
        00020   CCEVDRBF EQU   X'20'                 REBUILD FINISHED
0001F2          CCEVDFL3 DS    X                   VARY DMCL FLAG 3
        00080   CCEVDFAL EQU   X'80'                 Vary DMCL failed
0001F3          CCEVDFL4 DS    X                   VARY DMCL FLAG 4
0001F4          CCEVAECB DS    A                   ADDRESS OF ECB
0001F8          CCEBCRA  DS    A                   ADDRESS OF BCR
0001FC          CCELOCK1 DS    F         MP lock - locks CCE-->TPK chain         R14.0
000200          CCESCECB DS    F         File added in shared cache by some CV's R14.0
000204          CCEHTCEA DS    A                   Helot TCE address.            R15.0
000208          CCEHECBA DS    A                   Helot ECB to start task.      R15.0
00020C          CCEHMSGA DS    A                   Helot's current MSG block     R15.0
```

```
Offset  Value

        00210  CCEDSLEN EQU   *-CCE                LENGTH OF DSECT
000000         CCEPROG  DSECT
000000         CCEPGNAM DS    CL8                  PROGRAM NAME
000008         CCEPGSSN DS    CL8                  SUBSCHEMA NAME
               *
               **R12.0  DS    H       CCEPGLOK     MAX DBKEY LOCKS
000010         CCEPGATH DS    H                    AREA ACQUISITION THRESHOLD    R12.0
               *                                   (-1 ===> USE SYSTEM VALUE)    R12.0
000012         CCEPGIWT DS    H                    INTERNAL WAIT TIME
000014         CCEPGXWT DS    H                    EXTERNAL WAIT TIME
               *
               **R12.0  DS    H       CCEPGPET     PROGRAM PREEMPT THRESHOLD
000016         CCEPGARC DS    H                    AREA ACQUISITION RETRY COUNT  R12.0
               *
000018         CCEPGPRI DS    XL1                  PROGRAM PRIORITY
000019         CCEPGSTA DS    XL1                  PROGRAM STATUS.
        00001  CCEPGONL EQU   X'01'                PROGRAM ONLINE.
        00000  CCEPGOFL EQU   X'00'                PROGRAM OFFLINE.
               CCEPGRL  #FLAG X'80'                RESOURCE LIMITS FOR PGM JIC031684
00001A         CCEPGRLI DS    0XL1
        00080  CCEPGRLM EQU   X'80'
00001A         CCEFLAG1 DS    X                                          JIC031684
00001B         CCEFLAG2 DS    X                                          JIC031684
00001C         CCEPGRLA DS    A                    A(RESOURCE LIMIT BLOCK) JIC031684
        00020  CCEPROGL EQU   *-CCEPROG            LENGTH OF PROGRAM DSECT.
               *CEOVER  DSECT
               *CEOVTYP DS    XL1                      0=AREA  1=BUFFER  X'FF'=END
               *CEOVTYA EQU   X'00'                AREA TYPE OVERRIDE ENTRY.
               *CEOVTYB EQU   X'01'                BUFFER TYPE OVERRIDE ENTRY.
               *CEOVTYE EQU   X'FF'                END OF OVERRIDE ENTRIES.
               *CEOVIND DS    XL1                      AREA USAGE/NUMBER OF BUFFERS
               *CEOVAVL EQU   0                        0  AREA AVAILABLE
               *CEOVRET EQU   1                        1  AREA RETRIEVAL ONLY
               *CEOVUPD EQU   2                        2  AREA SMI LOCKED FOR UPDATE
               *CEOVOFL EQU   3                        3  AREA OFFLINE
               *CEOVNAM DS    CL16                     AREA/BUFFER NAME
               *CEOVERL EQU   *-CCEOVER           LENGTH OF OVERRIDE DSECT.
               *CEDBN   DSECT                     DBNAME TABLE DESCRIPTION
               *CEDBNX  DS    A                   DISPL. TO NEXT DBNAME TABLE ENTRY
               *CEDBLY  #FLAG X'80'               ON - SUBSCHEMA NAME MUST BE FOUND
               *CEDBGL  #FLAG X'40'               ON - GLOBAL DBNAME TABLE
               *CEDBDI  #FLAG X'20'               ON - TYPE IS DICTIONARY
               *CEDBPR  #FLAG X'10'               ON - DICTIONARY IS PRIMARY DICT
               *CEDBFL1 DS    X                   FLAG BYTE
               *        DS    X                   SPARE BYTE
               *                                  ZEROS IF THERE IS NO NEXT ENTRY
               *CEDBENT DS    H                   # OF SUBSCHEMA NAME PAIRS IN TABLE
               *CEDBNAM DS    CL8                 DBNAME (FROM SYSGEN)
               *CEDBNOD DS    CL8                 NODE NAME
               *CEDBSS1 DS    CL8                 SUBSCHEMA NAME ...
               *CEDBSS2 DS    CL8                 ... MAPS TO SUBSCHEMA NAME
               *CEDBL   EQU   *-CCEDBN            BASE LENGTH OF DBNAME TABLE
               *                                    (ONE PAIR OF SUBSCHEMA NAMES)
```

1.15 #CKUDS

```
                         COPY #CKUDS
                ***********************************************************************
                ***                                                                 ***
                *** CKU:   CHECK USER WORK AREA DSECT.                              ***
                ***                                                                 ***
                ***********************************************************************

Offset  Value

000000          CKU      DSECT                          22:46:23 MAY  28, 1908/11/90
000000          CKUECB   DS    F                   ECB TO AWAKEN TASK.
000004          CKUTCBA  DS    A                   CKUR A(TCB) FOR DETACH
000008          CKUECBT  DS    A                   CKUR ECB POSTED WHEN TASK COMPLETE
                CKUEREO  #FLAG X'80'               AN ERE OWNS THIS CKUR
00000C          CKUEREOI DS    0XL1
        00080   CKUEREOM EQU   X'80'
                CKUTCEO  #FLAG X'40'               A TCE OWNS THIS CKUR
00000C          CKUTCEOI DS    0XL1
        00040   CKUTCEOM EQU   X'40'
00000C          CKUFLG1  DS    X                   FLAG1
00000D                   DS    XL3
000010          CKUEREA  DS    A                   ADDRESS OF OWNING ERE,
000014                   ORG CKUEREA
000010          CKUTCEA  DS    A                   OR ADDRESS OF OWNING TCE,
                *                                  OR ZERO IF CKU TASK IS FREE OR
                *    ALSO USED AS AN ECB TO NOTIFY THE MAIN TASK THAT THE CKUR TASK
                *    IS UP AND RUNNING.
000014          CKULOCID DS    CL8                 ENQUEUED LOCAL ID
00001C          CKUPARMS DS    3A                  PARM LIST FOR ENQ/DEQ.
        00028   CKUDSLEN EQU   *-CKU               LENGTH OF DSECT
```

1.16 #CSADS

```
                        COPY #CSADS

Offset  Value

000000          CSA      DSECT
000000                   DS    0D
                ************************************************************************
                ***                                                                  ***
                *** CSA:   COMMON SYSTEM AREA DSECT                                  ***
                ***                                                                  ***
                ************************************************************************
                *
                *       When using both DFHCSAD and #CSADS, always specify DFHCSAD
                *       first and #CSADS later to prevent "previously defined" errors.
                *
                ************************************************************************
                * The first part of the CSA contains the common entry code for        *
                * all user requests into IDMS-DC.  Part of this code is initialized   *
                * at startup time, since it depends on the operating environment.     *
                ************************************************************************
000000          CSAENTRY DS    F (B CSASNTRY)      branch to system entry code
000004                   DS    F                   reserved for local mode
000008                   DS    H                   reserved for local mode
00000A          CSALFLG3 DS    XL1                 local mode flag 3
        00080   CSASPARM EQU   X'80'        SNAPDSIR -  snap of PLIST in RHDCDSIR
        00040   CSASDBMS EQU   X'40'        SNAPDBMS -  snapping IDMSDBMS blocks
        00020   CSASDBIO EQU   X'20'        SNAPDBIO -  snapping IDMSDBIO blocks
        00010   CSANDBUG EQU   X'10'                 -  suspending IDMSDBUG trace
        00008   CSASLMGR EQU   X'08'        SNAPLMGR -  snapping IDMSLMGR blocks
        00004   CSATLMGR EQU   X'04'        ALLLMGR  -  tracing IDMSLMGR calls
        00002   CSASTMGR EQU   X'02'        SNAPTMGR -  snapping IDMSTMGR blocks
        00001   CSATTMGR EQU   X'01'        ALLTMGR  -  tracing IDMSTMGR calls
00000B          CSALFLG4 DS    XL1                 local mode flag 4
        00080   CSAYDBMS EQU   X'80'        SEEDBMS  -  IDMSDBMS doing SNAPREGS trace
        00040   CSASSSP  EQU   X'40'        SNAPSSP  -  snapping SSP Itrees
        00020   CSACVBEG EQU   X'20'                 -  Starting up CV local process
        00010   CSALLOCK EQU   X'10'                 -  LOCKING TURNED ON IN BATCH INT
        00008   CSASSECU EQU   X'08'        SNAPSECU -  snapping security system blocks
        00004   CSATDDAM EQU   X'04'        ALLDDAM  -  tracing IDMSDDAM calls
        00002   CSALKVAL EQU   X'02'                 -  Validate LMGR control blocks
        00001   CSASPACK EQU   X'01'        SNAPPACK -  snapping send/receive pakets
00000C          CSALSPA  DS    A                   address of local LSP (SYSIDMS parms)
000010                   DS    XL1                 reserved for local mode
000011          CSALFLAG DS    XL1                 local mode flag 1
        00080   CSATSQL  EQU   X'80'        SQLTRACE -  user SQL trace
        00040   CSATDML  EQU   X'40'        DMLTRACE -  user DML trace
        00020   CSASUTIL EQU   X'20'        SNAPUTIL -  snapping utilities
        00010   CSATABN  EQU   X'10'        ABENDTRACE - OPTIMIZER IDMS abend trace
        00008   CSAYDBUG EQU   X'08'        IDMSDBUG -  IDMSDBUG trace active
        00004   CSATDBIO EQU   X'04'        ALLDBIO  -  tracing IDMSDBIO calls
        00002   CSAMINCV EQU   X'02'                 -  RUNNING IN BATCH INT
        00001   CSALOCAL EQU   X'01'                 -  obsolete  -  see KJM
000012          CSAEVALH DS    XL16                Hook for deferred RHDCEVAL load
000022                   DS    XL1                 reserved for local mode
000023          CSALFLG2 DS    XL1                 local mode flag 2
        00080   CSAYQSAM EQU   X'80'                 -  IDMSQSAM is active
        00040   CSAKDBUG EQU   X'40'                 -  bypass next IDMSDBUG trace
        00020   CSATDBMS EQU   X'20'        ALLDBMS  -  tracing IDMSDBMS calls
        00010   CSATLOAD EQU   X'10'        ALLLOAD  -  tracing IDMSLOAD calls
```

```
Offset  Value

        00008  CSATBLDR EQU   X'08'        ALLBLDR  -  tracing IDMSBLDR calls
        00004  CSASDBUG EQU   X'04'                 -  displaying #GETSTG/#LOAD result
        00002  CSASBLDR EQU   X'02'        SNAPBLDR -  snapping IDMSBLDR blocks
        00001  CSATIFR  EQU   X'01'        ALLIFR   -  tracing IDMSIFR calls
000024         CSALFLG5 DS    XL1                 local mode flag 5
        00080  CSASDSI  EQU   X'80'        SNAPDSI  -  snapping Client/Server blocks
        00040  CSATCONN EQU   X'40'        ALLCONN  -  tracing IDMSCONN calls
        00020  CSASCONN EQU   X'20'        SNAPCONN -  snapping IDMSCONN blocks
        00010  CSATUTIL EQU   X'10'        ALLUTIL  -  tracing utilities
        00008  CSASOS00 EQU   X'08'        SNAPOS00 -  snapping OS00 blocks
        00004  CSASSTAT EQU   X'04'        SHOWSTAT -  Recap RCE/RLE at intervals
        00002  CSASXTRA EQU   X'02'        SNAPXTRA -  snapping IDMSXTRA blocks
        00001  CSADBAMC EQU   X'01'        DEBUGAMC -  AMC debug trace active
000025         CSALFLG6 DS    XL1                 local mode flag 6
        00080  CSANOJNL EQU   X'80'                 -  no journaling
        00040  CSASADSO EQU   X'40'        SNAPADSO -  snapping ADSBATCH blocks
        00020  CSARECAP EQU   X'20'        STGRECAP -  Recap RCE/RLE at EOJ
        00010  CSALMUAS EQU   X'10'                 -  Multi-user addr. space
        00008  CSACANCL EQU   X'08'                 -  'CV not ACTIVE' replyed CANCEL
        00004  CSASVSAM EQU   X'04'        SNAPVSAM -  snapping VSAM/T blocks
        00002  CSAPROCT EQU   X'02'        PROCTRACE-  snapping SQL PROCEDURE blocks
        00001  CSASNDVR EQU   X'01'        SNAPNDVR -  snapping ENDEVOR/DB blocks
000026         CSALFLG7 DS    XL1                 local mode flag 7
        00080  CSATWARM EQU   X'80'        ALLWARM  -  tracing IDMSWARM calls
        00040  CSATHLDB EQU   X'40'        SNAPHLDB -  tracing IDMSHLDB calls
000027         CSALFLG8 DS    XL1                 local mode flag 8
        00080  CSAUNIQU EQU   X'80'                Unique BCF utility command processed
        00040  CSADMCLB EQU   X'40'                Force non-XA DMCL (DBMSINC. utility)
        00020  CSAUPJNT EQU   X'20'                On, FIX ARCHIVE report is TERSE
        00010  CSAUPJNS EQU   X'10'                On, FIX ARCHIVE reports SUMMARY only
        00008  CSABFPUR EQU   X'08'                On, Purge local buffers
        00004  CSANOUPP EQU   X'04'                On, don't UPPERCASE SYSIPT in ULIO
        00002  CSAMINXA EQU   X'02'                On, Startup runs as XA/ESA
        00001  CSAWRMDP EQU   X'01'                On, Warmstart Locking/Unlocking Area
000028         CSADMCLA DS    A(0)                address of runtime DMCL
00002C         CSALKMA  DS    A(0)                LMGR main control block
000030         CSALLUBA DS    A(0)                local mode anchor to LUB block
000034         CSANSTA  DS    A(0)                address of NameServer table header
000038         CSASTCHK DS    F (B CSASTCKA)      STACK checking branch address
00003C         CSAMPMOD DS    F (B CSAMPCKA)      MPMODE checking routine address
               *
               *  NEXT TWO WORDS ARE TO BE EXECUTED WITH R1 POINTING AT THE ECB,
               *        USE:       EX  0,CSAECBPS       FOR EXAMPLE.
               *
000040         CSAECBPS DS    A                   COMMON POST INSTRUCTION.
000044         CSAECBTM DS    A                   COMMON ECB TM INSTUCTION
000048         CSAF1    DS    F                   FULLWORD VALUE OF ONE.
00004C                  ORG   CSAF1
000048         CSAH0    DS    H                   HALFWORD VALUE OF ZERO.
00004A         CSAH1    DS    H                   HALFWORD VALUE OF ONE.
00004C         CSAH4    DS    H                   HALFWORD VALUE OF FOUR.
00004E         CSAH8    DS    H                   HALFWORD VALUE OF EIGHT.
               ************************************************************************
               ***                                                                  ***
               ***   CSA:  START OF SYSTEM ENTRY POINT VECTOR TABLE                 ***
               ***                                                                  ***
               ************************************************************************
000050         CSASYSEP DS    0A
000050         CSAIMWTA DS    V(WAITEP1)      +00 INTERNAL MULTI/WAIT-DISPATCHER.
000054         CSASGETA DS    V(STGPGET)      +01 STORAGE ALLOCATION ENTRY.
000058         CSASFREA DS    V(STGPFREE)     +02 STORAGE RELEASE ENTRY.
00005C         CSALINKA DS    V(PCTLLINK)     +03 LINK TO NEW PROGRAM ENTRY.
000060         CSAXCTLA DS    V(PCTLXCTL)     +04 XFER CONTROL TO NEW PROGRAM ENTRY.
000064         CSARTNA  DS    V(PCTLRTN)      +05 RTN CONTROL TO NEXT LEVEL PROGRAM.
000068         CSAABNDA DS    V(PCTLABND)     +06 ABEND REQUEST ENTRY.
00006C         CSALOADA DS    V(LODRLOAD)     +07 LOAD PROGRAM ENTRY.
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Offset  Value

000070          CSADELEA DS    V(LODRDELE)     +08 DELETE PROGRAM ENTRY.
000074          CSATIMGA DS    V(TIMPGET)      +09 GETTIME FUNCTIONAL ENTRY.
000078          CSATIMSA DS    V(TIMPSET)      +10 SETTIME FUNCTIONAL ENTRY.
00007C          CSAWTLA  DS    V(WTLEP1)       +11 WRITE MESSAGE TO LOG ENTRY.
000080          CSADCMA  DS    V(RMGREP2)      +12 DEADLOCK CHAIN MANAGEMENT ENTRY.
000084          CSADBIOA DS    V(IDMSDBIO)     +13 IDMS I/O MODULE ENTRY ADDRESS.
000088          CSADBMSA DS    V(IDMSDBMS)     +14 DBMS (IT'S THE REAL THING).
00008C          CSAARECA DS    V(ARECEP1)      +15 AREC ROUTINE--BATCH VERSION ONLY.
000090          CSAKEEPA DS    V(KEEPEP1)      +16 KEEP LONGTERM/NOTIFY ENTRY POINT
000094          CSABRBKA DS    V(BRBKEP1)      +17 AUTO ROLLBACK ROUTINE.
000098          CSACONN  DS    V(CONNEP1)      +18 IDMSCONN
00009C          CSACSELA DS    V(WAITEP2)      +19 COMMON SYSTEM ENTRY LOGIC ENTRY.
0000A0          CSATKINA DS    V(TSKIEP1)      +20 TASK INITIALIZATION ENTRY.
0000A4          CSAPOSTA DS    V(WAITEP3)      +21 SYSTEM POST ENTRY POINT.
0000A8          CSATKCEA DS    V(TSKCEP1)      +22 TASK CREATION ENTRY.
0000AC          CSACHAPA DS    V(CHAPEP1)      +23 CHANGE TASK PRIORITY ENTRY.
0000B0          CSATKDEA DS    V(TSKIEP2)      +24 TASK DELETION ENTRY.
0000B4          CSAENQA  DS    V(EDQENQ)       +25 RESOURCE ENQUEUE ENTRY.
0000B8          CSADEQA  DS    V(EDQDEQ)       +26 RESOURCE DEQUEUE ENTRY.
0000BC          CSARCMA  DS    V(RMGREP1)      +27 RESOURCE CHAIN MANAGEMENT ENTRY.
0000C0          CSAIDMSA DS    V(NCLIEP2)      +28 IDMS SERVICE ROUTINE ENTRY.
0000C4          CSASNAPA DS    V(SNAPEP1)      +29 TASK AND MEMORY SNAP ENTRY.
0000C8          CSAOS00A DS    V(OS00EP1)      +30 OP.SYS. DEPENDENT MODULE ENTRY.
0000CC          CSAHISTA DS    V(HISTOEP1)     +31 HISTOGRAM ROUTINE ENTRY POINT.
0000D0          CSAPUTLA DS    V(PUTLGEP1)     +32 PUTLOG ROUTINE ENTRY POINT.
0000D4          CSATSRCA DS    V(TBLSREP1)     +33 GENERIC TABLE SEARCH ROUTINE.
0000D8          CSASTAEA DS    V(PCTLSTAE)     +34 SET ABEND EXIT ENTRY.
0000DC          CSASETPA DS    V(LODRSET)      +35 PROGRAM SETUP ENTRY.
0000E0          CSAABNXA DS    V(PCTLABNX)     +36 SPECIAL ABEND ENTRY FOR SPIE.
0000E4          CSAWTL2A DS    V(WTLEP2)       +37 WTOR DRIVER/ANALYZER ROUTINE.
0000E8          CSARUAA  DS    V(RUALEP1)      +38 RUN UNIT ALLOCATION ENTRY.
0000EC          CSARUCA  DS    V(RUALEP2)      +39 RUN UNIT STATUS CHECKING ENTRY.
0000F0          CSASCRA  DS    V(SCRMEP1)      +40 SCRATCH MANAGEMENT GET/PUT ENTRY.
0000F4          CSAQUEA  DS    V(QUEMEP1)      +41 QUEUE MANAGEMENT GET/PUT ENTRY.
0000F8          CSATIRHA DS    V(TIRHREQ)      +42 TERMINAL I/O HANDLER REQUEST ENTRY.
0000FC          CSASCANA DS    V(SCANEP1)      +43 TEXT SCANNING ROUTINE ENTRY.
000100          CSATTRCA DS    V(TTRCEP1)      +44 TERMINAL TRACE ROUTINE ENTRY.
000104          CSATJIOA DS    V(TJIOEP1)      +45 TERM JRNL IO ROUTINE ENTRY.
000108          CSAMAPRA DS    V(MAPREP1)      +46 MAP ROUTINE ENTRY ADDRESS.
00010C          CSASTATA DS    V(STATEP1)      +47 STATISTICS COLLECTION ENTRY.
000110          CSALINRA DS    V(LINREP1)      +48 LINE I/O ROUTINE ENTRY.
000114          CSACOBIA DS    V(COBIEP1)      +49 COBOL INTERFACE PROGRAM.
000118          CSAPRNTA DS    V(PRNTEP1)      +50 #PRINT ROUTINE ENTRY ADDRESS.
00011C          CSAACPTA DS    V(ACPTEP1)      +51 ACCEPT ROUTINE ENTRY ADDRESS.
000120          CSASMSGA DS    V(SMSGEP1)      +52 SEND MESSAGE ENTRY ADDRESS.
000124          CSAJRNLA DS    V(DBCOEP2)      +53 USER JOURNAL ROUTINE ENTRY ADDR.
000128          CSAEXITA DS    V(CLXITEP1)     +54 INVOKE USER EXIT (IN RHDCMISC)
00012C          CSAJXITA DS    V(JXITEP1)      +55 USER JOURNAL REC ENTRY ADDRESS
000130          CSADBCOA DS    V(DBCOEP1)      +56 DATABASE COORDINATION ENTRY ADDR.
000134          CSAPMCKA DS    V(WAITEP6)      +57 USER PARM CHECK ROUTINE ENTRY ADDR
000138          CSAUTRCA DS    V(UTRCEP1)      +58  USER TRACE ENTRY
00013C          CSAPLIIA DS    V(PLIIEP1)      +59 PL/I INTERFACE PROGRAM
000140          CSATBDYA DS    V(TBDYAEP1)     +60 DYNAMIC TABLE ALLOCATION ENTRY
000144          CSATRSTA DS    V(TRSTAEP1)     +61 TRANSACTION STATISTICS ENTRY
000148          CSASNGLA DS    V(SNGLEP1)      +62 SINGLE-THREAD RESOURCE ENTRY
00014C          CSAURTNA DS    V(URTNEP1)      +63 USER ROUTINES IN DC NUCLEUS
000150          CSAINTXA DS    V(IDMSINTX)     +64 SVC INTERFACE TO ANOTHER CV
000154          CSACURSA DS    V(CURSEP1)      +65 CURRENCY SAVE/RESTORE ENTRY
000158          CSALRFA  DS    V(IDMSLRF)      +66 ADDRESS OF LRF ROUTINE FROM DBMS
00015C          CSAEVALA DS    V(EVALNTRY)     +67 ADDRESS OF EVAL ROUTINE FROM DBMS
000160          CSASNPA  DS    V(SNPREP1)      +68 ADDRESS OF SNAPPER ROUTINE
000164          CSATERMA DS    V(TERMEP1)      +69 GET/FREE/POST LTE SERVICES
000168          CSAPFKTR DS    V(PFKTEP1)      +70 PFK TO FUNCTION TRANSLATOR
00016C          CSAXTRAA DS    V(XTRAEP1)      +71 IDMSXTRA
000170          CSATRENA DS    V(TRENTRY)      +72 CGS INTERFACE ROUTINE
000174          CSADBGA  DS    V(DBGEP1)       +73 DEBUG NUCLEUS FUNCTIONS
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Offset  Value

000178          CSAMODT  DS    V(MODTEP1)      +74 ADDRESS OF GETPROF/GETMODT ROUTINE
00017C          CSALIMT  DS    V(LIMTEP1)      +75 A(RESOURCE LIMIT CHK)   JIC031484
000180                   DS    A               +76 LODRFIND
000184          CSADSIRC DS    V(DSIREP2)      +77 DSI ROUTER #CALL ENTRY
000188          CSANVTR  DS    V(NVTREP1)      +78 NVT ROUTER
00018C          CSAUSENV DS    V(USENVEP1)     +79 USER ENVIRONMENT SETUP ROUTINE
000190          CSADTOLA DS    V(TOOLEP1)      +80 CHICAGO TOOLS
000194          CSADBLNK DS    V(DBRCLNK)      +81 DBRC MESSAGE LINK
000198          CSAWTOVL DS    V(WAITEP7)      +82 WAIT, ALLOWING OVERLAY       *RBK
00019C          CSALOCKM DS    V(LOCKEP1)      +83 LOCK MANAGER                 *BAP
0001A0          CSAAFFIN DS    V(MODEEP3)      +84 SUBTASK AFFINITY PROCESSING  *BAP
0001A4          CSASWITR DS    V(SWITEP2)      +85 SWITCH DRIVER REQUEST ENTRY
0001A8          CSAAPPC  DS    V(APPCEP1)      +86 ADVANCED PROG TO PROG COMMUNICATION
0001AC          CSADLIF  DS    V(DLIFEP1)      +87 DLI INTERFACE
0001B0          CSADLRC  DS    V(DLRCEP1)      +88 DLI REGION CONTROL EMULATION
0001B4          CSAHOOK1 DS    V(HOOKEP1)      +89 HOOK MGR NUC NEW COPY INTERFACE
0001B8          CSAHOOK3 DS    V(HOOKEP3)      +90 HOOK MGR USER INTERFACE
0001BC          CSAHLDBA DS    V(HLDBEP1)      +91 HLDB ENTRY ADDRESS
0001C0          CSAEXPA  DS    V(EXPEP1)       +92 RTREE CODE INTERPRETER
0001C4          CSABMVTA DS    V(BMVTEP1)      +93 BATCH MAPPING VECTOR TABLE
0001C8          CSADBUG  DS    V(DBUGEP1)      +94 IDMSDBUG (BATCH VERSION ONLY)
0001CC          CSABLDR  DS    V(BLDREP1)      +95 IDMSBLDR
0001D0          CSAMBMA  DS    V(MBMEP1)       +96 SQL MESSAGE BUFFER MANAGER
0001D4          CSAULIO  DS    V(ULIOEP1)      +97 IDMSULIO
0001D8          CSADDAM  DS    V(DDAMEP1)      +98 IDMSDDAM ENTRY ADDRESS
0001DC          CSAQSRT  DS    V(QSRTEP1)      +99 IDMSQSRT
0001E0          CSAQSRV  DS    V(QSRVEP1)     +100 SQL Server
0001E4          CSAAMC   DS    V(AMCEP1)      +101 AMC.
0001E8          CSALK00  DS    V(LK00EP1)     +102 Lock manager.
0001EC          CSAUTIL  DS    V(UTILEP1)     +103 IDMSUTIL.
0001F0          CSADSIRB DS    V(DSIREP1)     +104 DSI ROUTER BRANCH ENTRY
0001F4                   DS    A              +105 RESERVED FOR ADS
0001F8          CSALOAD1 DS    V(LOADEP1)     +106 IDMSLOAD MAIN ENTRY POINT
0001FC          CSALOAD2 DS    V(LOADEP2)     +107 IDMSLOAD INTERFACE ENTRY POINT
000200          CSAAMSC2 DS    V(AMSCEP1)     +108 AM AUTHORIZATION BULKCHK DRIVER
000204          CSATMGR  DS    V(TMGREP1)     +109 TRANSACTION MGR. ENTRY POINT
000208          CSAHLDBH DS    V(HLDBEP2)     +110 IDMSHLDB event handlers
00020C          CSADDAMH DS    V(DDAMEP3)     +111 IDMSDDAM EVENT HANDLERS
000210          CSANCLI  DS    V(NCLIEP1)     +112 Native DML Client
000214          CSANSRV  DS    V(NSRVEP1)     +113 Native DML Server
000218          CSAQCLI  DS    V(QCLIEP1)     +114 SQL Client
00021C          CSAMPRF  DS    V(MPRFEP1)     +115 PROFILE MANAGER
000220          CSAENVP  DS    V(ENVPEP1)     +116 Environment Processor
000224          CSAFLTR  DS    V(FLTREP1)     +117 Free LTerm Resources
000228          CSADCLI  DS    V(DCLIEP1)     +118 DC Client
00022C                   DS    A(0)           +119 RESERVED
000230          CSAAIDMS DS    V(IDMSVECT)    +120 IDMSIDMS user interface
000234                   DS    A(0)           +121 RESERVED
000238          CSADTS   DS    V(TD0DEP1)     +122 DTS (RHDCTD0D)
        0007B   CSAVMAX  EQU   (*-CSASYSEP)/4  NUMBER OF IMPLEMENTED VECTORS.
00023C                   DS    A              +123 RESERVED.
000240                   DS    A              +124 RESERVED.
000244                   DS    A              +125 RESERVED.
000248                   DS    A              +126 RESERVED.
00024C                   DS    A              +127 RESERVED.
                *
000250          CSAUSREP DS    10A                 USER VECTOR TABLE.
                *
                *
                *        THE FOLLOWING WORK AREAS ARE USED IN CONJUNCTION WITH
                *        CALLING IDMSDBUG (LOCAL MODE ONLY).
                *
000278          CSADBUG1 DS    16F                 IDMSDBUG WORK AREA 1
0002B8                   ORG   CSADBUG1
                *
                ************************************************************************
```

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Offset  Value

                ***                                                          ***
                ***     GENERALLY USEFUL SYSTEM WIDE DATA VALUES.            ***
                ***                                                          ***
                ********************************************************************
                *
                *   1.  TIME/DATE HANDLING FIELDS.
                *
000278                   DS    A                  *** UNUSED ***
00027C          CSAVTEPA DS    A                  ADDR OF VECTOR TIMING ENTRY CODE.
000280          CSAITVCT DS    F                  BINARY INTERVAL TIMER IN SECONDS.
000284          CSASTTOD       DS    F    SYSTEM INIT. TOD IN .XXXX SECONDS.
000288          CSANXTST DS    F                  NEXT STALL INTERVAL EXPIRATION.
00028C          CSARSEXP DS    F                  NEXT KEPT RES TIMEOUT EXPIRATION
000290          CSAINACN DS    H                  INACTIVE TIME INTERVAL IN SECONDS.
000292          CSAITRWY DS    H                  RUNAWAY TASK INTV TIME IN SECONDS.
000294          CSARSINT DS    H                  KEPT RESOURCES INTERVAL IN SECONDS
000296          CSARWYCN DS    H                  RUNAWAY TIME INTERVAL.
000298          CSASTTIN DS    H                  SECONDS BETWEEN STATS COLLECTION.
00029A          CSASTDTE DS    PL4                SYSTEM INITIALIZATION DATE 0YYYDDDC.
00029E          CSAQUISN DS    H                  QUIESCE wait interval (in seconds)
                *
                *   2.  SYSTEM WIDE LIST ANCHORS.
                *
0002A0          CSADCEFA DS    A(*)               DCE FORWARD CHAIN ADDR.
0002A4          CSADCEBA DS    A(CSADCEFA)        DCE BACKWARD CHAIN ADDR.
0002A8          CSAICEA  DS    2A(CSAICEA)        INTERVAL CONTROL ELEMENT ANCHOR.
0002B0          CSAQWEA  DS    A                  QUEUE WAIT LIST ANCHOR.
0002B4          CSASIGNA DS    2A                 SIGNON RLE/RCE ANCHOR.
0002BC          CSASIGLK DS    A                  SIGNON ANCHOR LOCK WORD.
0002C0          CSASINGA DS    2A                 SINGLE-THREAD RLE/RCE ANCHOR.
0002C8          CSASRLEA DS    2A                 SYSTEM RLE/RCE ANCHOR.
0002D0          CSASRLLK DS    A                  SYSTEM ANCHOR LOCK WORD.
0002D4          CSADSGA  DS    A                  Data Sharing Group ctl block anchor
0002D8          CSADBIOS DS    A                  DBIO Storage Anchor.
0002DC          CSAMRLEA DS    2A                 Storage RLE/RCE anchor.
0002E4          CSAATTNF DS    A                  MVS CTC ATTN ROUTINE FWD PNTR
0002E8          CSAATTNP DS    A                  MVS CTC ATTN ROUTINE BWD PNTR
0002EC          CSADDSA  DS    A                  DEADLOCK DETECTOR STORAGE JDM 05/89
0002F0          CSANTRY1 DS    A                  Work area for RHDCSTRT/BLD1/BLD2 etc
0002F4          CSANTRY2 DS    A                  Work area for RHDCSTRT/BLD1/BLD2 etc
0002F8          CSASCRPR DS    A                  Scratch area PR60 address
                *
                *   3.  POINTERS TO SYSTEM TABLES AND CONTROL AREAS.
                *
0002FC          CSACODEP DS    A                  CODE PAGE ADDRESS         DLL 10/90
000300          CSAOTPMC DS    A                  OTP MSTR CONTROL BLOCK
000304          CSAASTGA DS    A                  ABEND STORAGE AREA ADDRESS.
000308          CSACCEA  DS    A                  CENTRAL CONTROL ELEMENT FOR IDMS.
00030C          CSACLTA  DS    A                  CENTRAL LOCK TABLE POINTER.
000310          CSACWAA        DS    A          COMMON WORK AREA ADDRESS
000314          CSADDTA  DS    A                  ADDR. OF DEST. DEFINITION TABLE
000318          CSAMPTBL DS    A                  ADDR OF MPMODE TABLE
00031C          CSAIDBA  DS    A                  ADDRESS OF INTERACT DRIVER BLOCK
000320          CSALTTA  DS    A                  LOGICAL TERMINAL TABLE ADDR.
000324          CSAMDHA  DS    A                  MSG DICT. HEADER AREA ADDR.
000328          CSAOCBA  DS    A                  START OF OCB FOR ADS ONLINE
00032C          CSAOLQA  DS    A                  START OF OLQ CONTROL BLOCK.
000330          CSAOPTNA DS    A                  ADDRESS OF OPTIONS TABLE.
000334          CSALDTA  DS    A                  LOADLIST DEFINITION TABLE ADDR
000338          CSAPDTA  DS    A                  PROGRAM DEFINITION TABLE ADDR.
00033C          CSAPLEA  DS    A                  PHYSICAL LINE ENTRY LIST ANCHOR.
000340          CSAPRTA  DS    A                  PRINTER CONTROL BLOCK ADDRESS
000344          CSAQDTA  DS    A                  QUEUE DEFINITION TABLE ADDR.
000348          CSARCAA  DS    A                  RESOURCE CONTROL AREA ADDR.
00034C          CSARMAPA DS    A                  ADDRESS OF REGION MAP.
000350          CSARUTA  DS    A                  RUN UNIT ALLOCATION TABLE ADDRESS.
```

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Offset  Value

000354          CSASCTA  DS    A                   STORAGE CONTROL TABLE ADDR.
000358          CSASDSA  DS    A                   START OF SDS TABLE.
00035C          CSASTTA  DS    A                   ADDRESS OF ATTACHER'S SUB-TASK TAB
000360          CSASVCA  DS    A                   SYSTEM STGE. FOR PAGE LIST
000364          CSATCAA  DS    A                   ADDRESS OF TCE/DCE AREA.
000368          CSATDTA  DS    A                   TASK DEFINITION TABLE ADDR.
00036C          CSATJHA  DS    A                   ADDRESS OF TERM JRNL HEADER RECORD
000370          CSATRCLO DS    A                   START OF TRACE BUFFERS.
000374          CSATRCHI DS    A                   END OF TRACE BUFFERS.
000378          CSATRCNX DS    A                   NEXT AVAILABLE TRACE BUFFER.
00037C          CSAUCFPA DS    A                   ADDRESS OF UCF PLE, OR ZERO.
000380          CSALDCBA DS    A                   ADDRESS OF LOADER DCB ANCHOR IN OS00
000384          CSAOLMCA DS    A                   ADDRESS OF ONLINE MAPPING CHAR TAB
000388          CSAPFHTA DS    A                   ADDRESS OF PFKEY HEADER BLOCKS
00038C          CSANVTA  DS    A                   ADDR OF NUCLEUS INTERNAL VECT TABLE.
000390          CSANLBA  DS    A                   ADDR OF NUCLEUS LOAD TABLE.
000394          CSADUBA  DS    A                   ADDR OF DUB FOR DEBUGGING
000398          CSAIDDA  DS    A                   ADDR OF IDD CONTROL BLOCK
00039C          CSASMTA  DS    A                   ADDR OF STORAGE MANAGEMENT TABLE
0003A0          CSAAUSTA DS    A                   ADDR OF 1ST STARTUP AUTOTASK TDE
0003A4          CSAAUSHA DS    A                   ADDR OF 1ST SHUTDOWN AUTOTASK TDE
0003A8          CSARLBA  DS    A                   ADDR OF SYSTEM RESOURCE LIMIT BLK
0003AC          CSADSPHA DS    A                   Addr of Data Space Table Header
0003B0          CSAMTYPA DS    A                   ADDR OF ALTERNATE MAP TABLE
0003B4          CSARPECN DS    A                   CHAIN OF PRINT REPORT ELEMENTS
0003B8          CSALQUE  DS    A                   CSA Local queue names table
0003BC          CSALENQ  DS    A                   CSA Local enqueue names table
                *
                *   4.   SYSTEM WIDE VARIABLES, GENERALLY USEFUL THINGS.
                *
0003C0          CSACWASZ DS    F                   SIZE IN BYTES OF COMMON WORK AREA.
0003C4          CSADRVRA DS    A                   ADDRESS OF FIRST DRIVER MODULE.
0003C8          CSADRVRL DS    F                   LENGTH OF ALL DRIVERS TOGETHER.
0003CC          CSALDLSA DS    A                   ADDRESS OF SYSTEM LOADLIST
0003D0          CSALDCNT DS    F                   COUNT OF TASKS WAITING FOR LOADER
0003D4          CSALGCAP DS    F                   CAPACITY OF LOG AREA (BYTES).
0003D8          CSALGECB DS    F                   ECB TO WAIT ON WHEN DCLOG IS FULL
0003DC          CSALGFUL DS    F                   FULLNESS OF LOG AREA (BYTES).
0003E0          CSALGQUE DS    A                   ADDRESS OF FIRST QUEUED DBLOG RECORD
0003E4          CSANXTLG DS    A                   ADDRESS OF NEXT LOG RECORD.
0003E8          CSANXTSK DS    F                   NEXT TASKID TO BE ASSIGNED.
0003EC          CSAONLYD DS    A                   ADDRESS OF DCE TO BE DISPATCHED.
0003F0          CSAORTCD DS    F                   O.S. DEST & ROUTE CODES DEFAULT.
0003F4          CSAPRBSZ DS    F                   DEFAULT PRINT BUFFER SIZE.
0003F8          CSARSPDE DS    A                   KEPT RESOURCES TIMEOUT PROGRAM
0003FC          CSAQUETC DS    CL8                 QUEUE CLEANUP TASK CODE.
000404          CSACSVL  DS    F                   LENGTH OF CSV AREA.
000408          CSASDBKY DS    F                   DBKEY FOR CURRENT SYS-041 RECORD
00040C          CSASICEA DS    A                   ICE ADDR FOR STATISTICS SETTIME
000410          CSASNTTL DS    CL8                 TITLE FIELD FOR SNAPS.
000418          CSAXACBA DS    A                   Beginning of XA control blocks
00041C          CSASHLTE DS    A                   ADDR OF LTE FOR SHUTDOWN REQUEST
000420          CSAXASIZ DS    F                   SIZE OF XA STORAGE AREA
000424          CSAXADDR DS    A                   BEGINNING OF XA STORAGE AREA
000428          CSAXACBS DS    F                   Size of control blocks in XA
00042C          CSASCRW  DS    F                   SCRATCH WORK AREA POINTER
000430          CSACPYTA DS    F                   ADDR OF SYSTRACE COPY AREA
000434          CSAXPATA DS    A                   ADDR OF RELOADED CSA XPAT AREA
000438          CSASBUFA DS    F                   ADDR OF XA STG FOR IN-CORE SCARTCH
00043C          CSARP24A DS    A                   A(24 BIT REENT PGM POOL PDT)
000440          CSAPP31A DS    A                   A(31 BIT PGM POOL PDT)
000444          CSARP31A DS    A                   A(31 BIT REENT PGM POOL PDT)
000448          CSAQUELO DS    F                   QUEUE AREA LO PAGE NUMBER
00044C          CSAQUEHI DS    F                   QUEUE AREA HI PAGE NUMBER
000450          CSACLODT DS    CL8                 LOADAREA CLEANUP TASK CODE.
                *
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Offset  Value

000458          CSAQUEPG DS    H                   QUEUE AREA PAGE GROUP
00045A          CSADCLCT DS    PL2                 DC LOG CURRENT LINE NUMBER.
00045C          CSADCVID DS    H                   DC VERSION ID NUMBER.
00045E          CSAVARYE DS    H                   Error number doing DCMT VARY DMCL
000460          CSALSTPG DS    H                   PREVIOUS LOG PAGE NUMBER.
000462          CSANLVID DS    H                   NULL VERSION ID FOR LOADS.
000464          CSANTRID DS    H                   NEXT USER TRACE ID
000466          CSAPDES  DS    H                   SECONDARY ALLOC. FOR NULL PDES.
000468          CSAUTRSZ DS    H                   NUMBER OF USER TRACE BUFFERS.
00046A          CSANSCT  DS    H                   NUMBER OF SCT'S.
00046C          CSATIME  DS    F                   CURRENT TIME IN 10,000THS SEC
000470          CSADATE  DS    F                   CURRENT DATE
000474          CSANLECB DS    F                   NUCLEUS RELOAD ECB. (EXTERNAL)
000478          CSALSECB DS    F                   LOG SERVICE DRIVER ECB. (EXTERNAL)
00047C          CSAD0FIP DS    A                   ADDR OF APPC EMULATOR'S PLE
000480          CSASCA#  DS    H                   NUMBER OF SUBTASK CONTROL AREA'S.
000482          CSAPFETB DS    H                   SYSIDMS - # of Prefetch Buffers
000484          CSASWSDC DS    F                   SWITCH DRIVER CONTROL ELEMENT
000488          CSASDCA  DS    F                   SERVICE DRIVER CONTROL ELEMENTS
                *
00048C          CSAABLK  DS    XL1                 LOCK BYTE FOR ABEND STORAGE.
                CSALOKR  #FLAG X'80'               ON IF RUNNING WITH RETRIEVAL LOCKS
00048D          CSALOKRI DS    0XL1
        00080   CSALOKRM EQU   X'80'
00048D          CSAFADS  DS    XL1                 FLAG BYTE FOR ADS
00048E          CSAEOJRC DS    XL1                 RETURN CODE FOR END OF JOB.
                CSAMP    #FLAG X'80'               RUNNING UNDER MP (SAME AS CSDMP)
00048F          CSAMPI   DS    0XL1
        00080   CSAMPM   EQU   X'80'
00048F          CSACSDFL DS    XL1                 COPY OF IBM'S CSDFLAGS BYTE
000490          CSANABND DS    XL1                 COUNT OF CPU'S ABENDING.
000491          CSAMSGLV DS    XL1                 MESSAGE LEVEL THRESHOLD:
                *                                  00 - ALL.  01 - ALL BUT I LEVEL.
                *                                  02 - ALL BUT I AND W.  03 - NONE.
000492          CSAOPSYS       DS    XL1                 OPERATING SYSTEM:
        00001   CSAOPMVS EQU   X'01'               MVS
        00006   CSAOPDVS EQU   X'06'               DOS/VS
        00009   CSAOPBS2 EQU   X'09'               BS2K
        0000A   CSAOPCMS EQU   X'0A'               CMS
                *
                *
                CSAOCMS  #FLAG X'80'               VM/CMS OPERATING SYSTEM
000493          CSAOCMSI DS    0XL1
        00080   CSAOCMSM EQU   X'80'
                CSAOPOS  #FLAG X'40'               ANY OS
000493          CSAOPOSI DS    0XL1
        00040   CSAOPOSM EQU   X'40'
                CSAODOS  #FLAG X'20'               ANY DOS
000493          CSAODOSI DS    0XL1
        00020   CSAODOSM EQU   X'20'
                CSAOPVM  #FLAG X'10'              STAND-ALONE OPSYS GUESTING UNDER VM
000493          CSAOPVMI DS    0XL1
        00010   CSAOPVMM EQU   X'10'
                CSAODSP  #FLAG X'08'               VSE MULTIPLE ADR SPACE SUPVR  *DKK*
000493          CSAODSPI DS    0XL1
        00008   CSAODSPM EQU   X'08'
                CSAOCIC  #FLAG X'04'               RUNNING UNDER CICS            *DKK*
000493          CSAOCICI DS    0XL1
        00004   CSAOCICM EQU   X'04'
                CSADYNP  #FLAG X'02'               RUNNING IN VSE DYNAMIC PART.  *DKK*
000493          CSADYNPI DS    0XL1
        00002   CSADYNPM EQU   X'02'
                CSAOCI2  #FLAG X'01'               RUNNING UNDER CICS 2.? Non-ESA
000493          CSAOCI2I DS    0XL1
        00001   CSAOCI2M EQU   X'01'
000493          CSAOPBIT DS    XL1                 SPECIAL OPSYS FLAG BYTES
```

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Offset  Value

000494          CSACVTDC DS    XL1                 COPY OF OS'S CVTDCB BYTE
000495          CSAPRKEY DS    XL1                 PRIMARY STORAGE PROTECT KEY.
000496          CSAPRTKY DS    XL1                 AID VALUE OF 3270 PRINT KEY
000497          CSASRVRT DS    XL1                 IDMSXTRA
                CSAODSM  #FLAG X'80'               Member of data sharing group
000498          CSAODSMI DS    0XL1
        00080   CSAODSMM EQU   X'80'
000498          CSAOPFLG DS    XL1                 2nd opsys flag
000499          CSARRETN DS    XL1                 REPORT RETENTION PERIOD, DAYS
00049A          CSATAPE  DS    XL6                 GENLEVEL of TAPE
0004A0          CSALENGU DS    F                   LENGTH OF CSA AND PTFS USED
0004A4          CSAPCBFP DS    A                   BEG OF PROD CONT BLKS FOR FP
                * THIS FLAG BYTE IS ONLY FOR FLAGS SET BY THE TICKER SUBTASK.
                * DO NOT COMBINE IT WITH OTHER FLAGS OR BAD THINGS MAY HAPPEN IN
                * MP ENVIRONMENTS.   RBK 851122
                CSARSTO  #FLAG 1                   RESOURCE TIMEOUT HAS OCCURRED
0004A8          CSARSTOI DS    0XL1
        00001   CSARSTOM EQU   1
0004A8                   DS    X                   TICKER SUBTASK FLAGS
                CSAMSP   #FLAG X'80'               SET FOR MSP, MSP/AE, AND MSP/EX
0004A9          CSAMSPI  DS    0XL1
        00080   CSAMSPM  EQU   X'80'
                CSAVOS   #FLAG X'40'               SET FOR HITACHI VOS AND VOS/ES
0004A9          CSAVOSI  DS    0XL1
        00040   CSAVOSM  EQU   X'40'
                CSA31    #FLAG X'20'               31-BIT CAPABLE SYSTEM
0004A9          CSA31I   DS    0XL1
        00020   CSA31M   EQU   X'20'
                CSAESA   #FLAG X'10'               ESA CAPABLE SYSTEM
0004A9          CSAESAI  DS    0XL1
        00010   CSAESAM  EQU   X'10'
                CSAMAE   #FLAG X'A0'               SET FOR FACOM MSP/AE
0004A9          CSAMAEI  DS    0XL1
        000A0   CSAMAEM  EQU   X'A0'
                CSAMEX   #FLAG X'B0'               SET FOR FACOM MSP/EX
0004A9          CSAMEXI  DS    0XL1
        000B0   CSAMEXM  EQU   X'B0'
                CSAVES   #FLAG X'60'               SET FOR HITACHI VOS/ES
0004A9          CSAVESI  DS    0XL1
        00060   CSAVESM  EQU   X'60'
                CSAPGPR  #FLAG X'08'               CSV pagelist built as BA/EA pairs
0004A9          CSAPGPRI DS    0XL1
        00008   CSAPGPRM EQU   X'08'
                CSAABND  #FLAG X'04'               System is abending
0004A9          CSAABNDI DS    0XL1
        00004   CSAABNDM EQU   X'04'
0004A9          CSAFLAGA DS    X
                CSAIUPC  #FLAG X'80'               Force upper case SYSIPT
0004AA          CSAIUPCI DS    0XL1
        00080   CSAIUPCM EQU   X'80'
                CSAOUPC  #FLAG X'40'               Force upper case SYSLST
0004AA          CSAOUPCI DS    0XL1
        00040   CSAOUPCM EQU   X'40'
                CSAWUPC  #FLAG X'20'               Force upper case #WTL MSGDICT=NO
0004AA          CSAWUPCI DS    0XL1
        00020   CSAWUPCM EQU   X'20'
                CSAM001  #FLAG X'10'               RHDCDEAD issues DC001001   IDMS 1426
0004AA          CSAM001I DS    0XL1
        00010   CSAM001M EQU   X'10'
                CSAVALI  #FLAG X'08'               DB347042 + DB347043 startup/shutdown
0004AA          CSAVALII DS    0XL1
        00008   CSAVALIM EQU   X'08'
                CSAUNTR  #FLAG X'04'               Warmstart had unrecovered trans.
0004AA          CSAUNTRI DS    0XL1
        00004   CSAUNTRM EQU   X'04'
0004AA          CSAFLAG0 DS    XL1'00'             FLAG BYTE 0.
```

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Offset  Value

                CSACMSA  #FLAG X'80'               ADESSE VERSION OF VM/CMS   DAP061294
0004AB          CSACMSAI DS    0XL1
        00080   CSACMSAM EQU   X'80'
                CSADOPT  #FLAG X'20'               DEADLOCK ABEND OPTIONS ON  IDMS/1374
0004AB          CSADOPTI DS    0XL1
        00020   CSADOPTM EQU   X'20'
                CSADERU  #FLAG X'10'               ABEND ERUS ON DEADLOCK     IDMS/1374
0004AB          CSADERUI DS    0XL1
        00010   CSADERUM EQU   X'10'
                CSADX29  #FLAG X'08'               USE 0029 FOR DB DEADLOCK   IDMS/1374
0004AB          CSADX29I DS    0XL1
        00008   CSADX29M EQU   X'08'
                CSADW29  #FLAG X'04'               USE 0029 FOR DC DEADLOCK   IDMS/1374
0004AB          CSADW29I DS    0XL1
        00004   CSADW29M EQU   X'04'
                CSADDBD  #FLAG X'02'               TAKE A DUMP ON DB DEADLOCK IDMS/1374
0004AB          CSADDBDI DS    0XL1
        00002   CSADDBDM EQU   X'02'
                CSADDCD  #FLAG X'01'               DO NOT DUMP ON DC DEADLOCK IDMS/1374
0004AB          CSADDCDI DS    0XL1
        00001   CSADDCDM EQU   X'01'
0004AB          CSAFLAG9 DS    XL1'00'             FLAG BYTE 9.               DAP061294
0004AC          CSADFLIB DS    A                   ADDR OF SLE FOR DEFAULT LIBRARY
0004B0          CSAEVALL DS    A                   A(deferred RHDCEVAL load routine)
                *
                *
                *   5.   flags turned on by SYSIDMS parameters at startup
                *
0004B4          CSACFLG1 DS    XL1                 SYSIDMS flag 1 - controls #WTL's
        00080   CSATST01 EQU   X'80'                 -  LEVEL 01 TEST FLAG
        00040   CSATST02 EQU   X'40'                 -  LEVEL 02 TEST FLAG
        00020   CSATST03 EQU   X'20'                 -  LEVEL 03 TEST FLAG
        00010   CSATST04 EQU   X'10'                 -  LEVEL 04 TEST FLAG
        00008   CSATST05 EQU   X'08'                 -  LEVEL 05 TEST FLAG
        00004   CSATST06 EQU   X'04'                 -  LEVEL 06 TEST FLAG
        00002   CSATST07 EQU   X'02'                 -  LEVEL 07 TEST FLAG
        00001   CSATST08 EQU   X'01'                 -  LEVEL 08 TEST FLAG
0004B5          CSACFLG2 DS    XL1                 SYSIDMS flag 2 - controls #SNAP's
        00080   CSATST09 EQU   X'80'                 -  LEVEL 09 TEST FLAG
        00040   CSATST10 EQU   X'40'                 -  LEVEL 10 TEST FLAG
        00020   CSATST11 EQU   X'20'                 -  LEVEL 11 TEST FLAG
        00010   CSATST12 EQU   X'10'                 -  LEVEL 12 TEST FLAG
        00008   CSATST13 EQU   X'08'                 -  LEVEL 13 TEST FLAG
        00004   CSATST14 EQU   X'04'                 -  LEVEL 14 TEST FLAG
        00002   CSATST15 EQU   X'02'                 -  LEVEL 15 TEST FLAG
        00001   CSATST16 EQU   X'01'                 -  LEVEL 16 TEST FLAG
0004B6          CSACFLG3 DS    XL1                 SYSIDMS flag 3
        00080   CSATST17 EQU   X'80'                 -  LEVEL 17 TEST FLAG
        00040   CSATST18 EQU   X'40'                 -  LEVEL 18 TEST FLAG
        00020   CSATST19 EQU   X'20'                 -  LEVEL 19 TEST FLAG
        00010   CSATST20 EQU   X'10'                 -  LEVEL 20 TEST FLAG
        00008   CSATST21 EQU   X'08'                 -  LEVEL 21 3333 Abend - User
        00004   CSATST22 EQU   X'04'                 -  LEVEL 22 3334 Abend - PgmChk
        00002   CSATST23 EQU   X'02'                 -  LEVEL 23 *** reserved ***
        00001   CSATST24 EQU   X'01'                 -  LEVEL 24 Use BME w MSTWRT
0004B7          CSACFLG4 DS    XL1                 SYSIDMS flag 4
        00080   CSATST25 EQU   X'80'                 -  LEVEL 25 DBMS VIB trace
        00040   CSATST26 EQU   X'40'                 -  LEVEL 26 Local MIO writes
        00020   CSATST27 EQU   X'20'                 -  LEVEL 27 BUFFERSTAT
        00010   CSATST28 EQU   X'10'                 -  LEVEL 28 Prefetch less 255
        00008   CSATST29 EQU   X'08'                 -  LEVEL 29 Sub-pool buffers
        00004   CSATST30 EQU   X'04'                 -  LEVEL 30 24 bit mode
        00002   CSATST31 EQU   X'02'                 -  LEVEL 31 BDAM I/O
        00001   CSATST32 EQU   X'01'                 -  LEVEL 32 Rollback 3490
0004B8          CSACFLG5 DS    XL1                 SYSIDMS FLAG 5 - CONTROLS C TRACING
        00080   CSATST33 EQU   X'80'                 -  LEVEL 33 AMC - TRACE
```

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Offset  Value

        00040  CSATST34 EQU   X'40'                 -  LEVEL 34 SSP - TRACE
        00020  CSATST35 EQU   X'20'                 -  LEVEL 35 QCLI - TRACE
        00010  CSATST36 EQU   X'10'                 -  LEVEL 36 DTS - TRACE
        00008  CSATST37 EQU   X'08'                 -  LEVEL 37 MISC - TRACE
        00004  CSATST38 EQU   X'04'                 -  LEVEL 38 HotRollback
        00002  CSATST39 EQU   X'02'                 -  LEVEL 39 TEST FLAG
        00001  CSATST40 EQU   X'01'                 -  LEVEL 40 - RHDCDBRC/IDMSWARM
0004B9         CSACFLG6 DS    XL1                 SYSIDMS flag 6
        00080  CSATST41 EQU   X'80'                 -  LEVEL 41 - *** reserved ***
        00040  CSATST42 EQU   X'40'                 -  LEVEL 42 - *** reserved ***
        00020  CSATST43 EQU   X'20'                 -  LEVEL 43 - *** reserved ***
        00010  CSATST44 EQU   X'10'                 -  LEVEL 44 - *** reserved ***
        00008  CSATST45 EQU   X'08'                 -  LEVEL 45 - *** reserved ***
        00004  CSATST46 EQU   X'04'                 -  LEVEL 46 - IDMSLRBK
        00002  CSATST47 EQU   X'02'                 -  LEVEL 47 - RHDCSTGP/RHDCLOCK
        00001  CSATST48 EQU   X'01'                 -  LEVEL 48 - DDS Drivers
0004BA         CSACFLG7 DS    XL1                 SYSIDMS flag 7
        00080  CSATST49 EQU   X'80'                 -  LEVEL 49 - OS00
        00040  CSATST50 EQU   X'40'                 -  LEVEL 50 - *** reserved ***
        00020  CSATST51 EQU   X'20'                 -  LEVEL 51 - RHDCDEAD
        00010  CSATST52 EQU   X'10'                 -  LEVEL 52 - DTS/DNS
        00008  CSATST53 EQU   X'08'                 -  LEVEL 53 - IDMSDDAM
        00004  CSATST54 EQU   X'04'                 -  LEVEL 54 - IDMSHLDB
        00002  CSATST55 EQU   X'02'                 -  LEVEL 55 - IDMSSSP
        00001  CSATST56 EQU   X'01'                 -  LEVEL 56 - IDMSAMC
0004BB         CSACFLG8 DS    XL1                 SYSIDMS flag 8
        00080  CSATST57 EQU   X'80'                 -  LEVEL 57 - IDMSTMGR
        00040  CSATST58 EQU   X'40'                 -  LEVEL 58 - RHDCRUAL
        00020  CSATST59 EQU   X'20'                 -  LEVEL 59 - Client/Server (DSI)
        00010  CSATST60 EQU   X'10'                 -  LEVEL 60 - *** reserved ***
        00008  CSATST61 EQU   X'08'                 -  LEVEL 61 - RHDCLODR
        00004  CSATST62 EQU   X'04'                 -  LEVEL 62 - IDMSBLDR
        00002  CSATST63 EQU   X'02'                 -  LEVEL 63 - *** reserved ***
        00001  CSATST64 EQU   X'01'                 -  LEVEL 64 - IDMSDBMS
               *
               *
               *   6.   SYSTEM WIDE LOCK WORDS FOR MP LOCKING.
               *
0004BC         CSADCELK DS    F                   DCE LIST LOCK.
0004C0         CSAICELK DS    F                   ICE LIST LOCK.
0004C4                  DS    6F                  **UNUSED**
               *
               *   7.   DISPATCHER INFORMATION.
               *
0004DC 0       CSAECBLA DC    A(0)                ADDRESS OF OS WAIT LIST AREA.
0004E0 0       CSADCELA DC    A(0)                ADDR OF ECB/DCE LIST.
0004E4 0       CSAEXECB DC    F'0'                ECB TO BE POSTED BY EXTERNAL TASK.
0004E8         CSAACTTK DS    F                   NUMBER OF ACTIVE TASKS
0004EC         CSADSPCT DS    F                   WORK NUMBER FOR DISPATCHER/EMBRACE
               *-------         Misc fields                                  -------*
0004F0         CSADBIOT DS    A                   DBIO'S FUNCTION TABLE
0004F4         CSADBMSC DS    A                   DBMS'S Call SUBroutine
0004F8         CSAEJCTA DS    A                   Address of EJCT for CICE VSE VSAM/T
0004FC         CSASTGTA DS    A                   A(RHDCLOCK/STGP in memory trace)
000500         CSAAGSTG DS    A                   Address of TNG's AGENT work storage
000504         CSATNG1  DS    H                   TNG's wakeup count used by DBRC
000506         CSATNG2  DS    H                   TNG's current count used by DBRC
000508         CSADBTRA DS    A                   Address of DB_TRACE_TABLE (if any)
00050C         CSAFUABA DS    A                   A(first available UAB)
000510         CSAPFLMT DS    H                   Prefetch Limit
000512                  DS    H                   **Unused**
000514         CSAIOX2  DS    F                   Reserved for IDMSIOX2.
000518         CSASCAA  DS    A                   SUBTASK CONTROL AREA POINTER
00051C         CSAWQSIZ DS    A                   GLOBAL WORK QUEUE DEPTH
000520         CSAWKQUE DS    D                   DISPATCHER GLOBAL WORK QUEUE
000528         CSAXIOB# DS    H                   Number of XIOBs allowed
```

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Offset  Value

00052A          CSAXIOBU DS    H                   Number of XIOBs in use
                *-----------------------------------------------------------------------
                *  DB Group support fields
                *
                CSADRU   #FLAG X'80'               Dynamic run unit routing supported.
00052C          CSADRUI  DS    0XL1
        00080   CSADRUM  EQU   X'80'
00052C          CSADBGFL DS    X                   DB group flags
00052D                   DS    XL3                 * Reserved *
                *
000530          CSAOPTFA DS    A                   A(Optional Apar Bitmap Table)
                *
                *-----------------------------------------------------------------------
000534          CSALEPPA DS    A                   A(CEEPIPI) for LE/370
                *-----------------------------------------------------------------------
000538          CSAHISTG DS    A                   High Storage - below the line.
                *-----------------------------------------------------------------------
00053C          CSALMGR  DS    XL1                 SYSIDMS flags for LMGR + family
        00080   CSALMGR1 EQU   X'80'                 -  LMGR + family - flag 1
        00040   CSALMGR2 EQU   X'40'                 -  LMGR + family - flag 2
        00020   CSALMGR3 EQU   X'20'                 -  LMGR + family - flag 3
        00010   CSALMGR4 EQU   X'10'                 -  LMGR + family - flag 4
        00008   CSALMGR5 EQU   X'08'                 -  LMGR + family - flag 5
        00004   CSALMGR6 EQU   X'04'                 -  LMGR + family - flag 6
        00002   CSALMGR7 EQU   X'02'                 -  LMGR + family - flag 7
        00001   CSALMGR8 EQU   X'01'                 -  LMGR + family - flag 8
00053D          CSAHPCS  DS    XL1                 SYSIDMS flags for HPCS + family
        00080   CSAHPCS1 EQU   X'80'                 -  HPCS + family - flag 1
        00040   CSAHPCS2 EQU   X'40'                 -  HPCS + family - flag 2
        00020   CSAHPCS3 EQU   X'20'                 -  HPCS + family - flag 3
        00010   CSAHPCS4 EQU   X'10'                 -  HPCS + family - flag 4
        00008   CSAHPCS5 EQU   X'08'                 -  HPCS + family - flag 5
        00004   CSAHPCS6 EQU   X'04'                 -  HPCS + family - flag 6
        00002   CSAHPCS7 EQU   X'02'                 -  HPCS + family - flag 7
        00001   CSAHPCS8 EQU   X'01'                 -  HPCS + family - flag 8
00053E          CSADBIO  DS    XL1                 SYSIDMS flags for DBIO + family
        00080   CSADBIO1 EQU   X'80'                 -  DBIO + family - flag 1
        00040   CSADBIO2 EQU   X'40'                 -  DBIO + family - flag 2
        00020   CSADBIO3 EQU   X'20'                 -  DBIO + family - flag 3
        00010   CSADBIO4 EQU   X'10'                 -  DBIO + family - flag 4
        00008   CSADBIO5 EQU   X'08'                 -  DBIO + family - flag 5
        00004   CSADBIO6 EQU   X'04'                 -  DBIO + family - flag 6
        00002   CSADBIO7 EQU   X'02'                 -  DBIO + family - flag 7
        00001   CSADBIO8 EQU   X'01'                 -  DBIO + family - flag 8
00053F          CSACFIM  DS    XL1                 SYSIDMS flags for CFIM + family
        00080   CSACFIM1 EQU   X'80'                 -  CFIM + family - flag 1
        00040   CSACFIM2 EQU   X'40'                 -  CFIM + family - flag 2
        00020   CSACFIM3 EQU   X'20'                 -  CFIM + family - flag 3
        00010   CSACFIM4 EQU   X'10'                 -  CFIM + family - flag 4
        00008   CSACFIM5 EQU   X'08'                 -  CFIM + family - flag 5
        00004   CSACFIM6 EQU   X'04'                 -  CFIM + family - flag 6
        00002   CSACFIM7 EQU   X'02'                 -  CFIM + family - flag 7
        00001   CSACFIM8 EQU   X'01'                 -  CFIM + family - flag 8
000540                   DS    XL4                 *** reserved for new component flags
                *-----------------------------------------------------------------------
000544          CSADCMTI DS    F                   DCMT ID (generated in RHDCDBRC)
                *-----------------------------------------------------------------------
000548                   DS    20A                 **UNUSED**
                *-----------------------------------------------------------------------
000598          CSARL$CC DS    CL4                 Release level character constant
        00000   CSARL$NE EQU   0                   Release level numeric equate
00059C          CSARL$NC DS    A(CSARL$NE)         Release level numeric constant
                *-----------------------------------------------------------------------
0005A0          CSAFSTA  DS    A                   Addr of UCF front-end system tbl
0005A4          CSADSCTL DS    CL8                 Default SYSCTL DDNAME for Batch/CV
0005AC          CSASIFLG DS    0F                  SQLI FLAGS
```

```
Offset  Value

                         PRINT NOGEN
                         PRINT GEN
                *CSASQLI #FLAG X'80'               ON IF SQLI ENVIRONMENT
0005AC          CSASIFL1 DS    XL1                 SQLI FLAG BYTE 1
0005AD                   DS    XL3                 RESERVED FOR SQLI
0005B0          CSASICXA DS    A                   ADDRESS OF SQLI CSA EXTENSION
0005B4          CSAQCBA  DS    A                   A(IDMSQSAM) if IDMSQSAM active
0005B8          CSAD2STG DS    A                   Anchor for DB2IDMS
0005BC          CSAPRESA DS    A                   A(IDMSPRES) if PRESSPACK active
0005C0          CSAPM1VA DS    A                   RESERVED FOR PERFORMANCE MONITOR
0005C4          CSAPMFLG DS    0A                  RESERVED FOR PERFORMANCE MONITOR
                         PRINT NOGEN
                         PRINT GEN
                *CSAPERI #FLAG X'80'           PERFMON IS INSTALLED
                *CSAPERY #FLAG X'40'           INTERVAL MONITOR IS ACTIVE
                *CSAPAMY #FLAG X'20'           APPLICATION MONITOR IS ACTIVE
0005C4          CSAPMFG1 DS    X               PERFMON FLAG BYTE
0005C5          CSAPM2VA DS    XL3                 RESERVED FOR PERFORMANCE MONITOR
0005C8          CSAPM3VA DS    A                   Reserved for Performance Monitor
                *
                *   8.   CONSTANTS FOR EVERYONE.
                *
0005CC          CSA0000  DS    CL4                 C'0000' USEFUL FOR IDMS CHECKING.
0005D0          CSA0307  DS    CL4                 C'0307' IDMS END OF SET CONDITION.
0005D4          CSA0326  DS    CL4                 C'0326' IDMS NO RECORD FOUND.
0005D8          CSABLNKS DS    CL160               BLANKS FOR THE MILLIONS.
                *
                *   9.   ECB TABLE FOR SINGLE THREADING OF CERTAIN RESOURCES
                *
                *  THE ORDER OF THE ECB'S IN THIS LIST MUST CORRESPOND WITH THE
                *  ORDER AS GIVEN IN THE DSECT #RCADS (Q.V.).
                *
000678          CSASTECB       DS    0F          START OF SINGLE-THREAD ECB LIST.
000678          CSALDECB DS    3F                  ECB FOR LOADER.
000684          CSALFECB DS    3F                  ECB FOR LOG FILE.
000690          CSATJECB DS    3F                  ECB FOR TRAN LOG FILE.
00069C          CSASCECB DS    3F                  ECB FOR SCRATCH AREA.
                *
                *        Default dictionary name established in DBNAME table
                *
0006A8          CSADFDIC DS    CL8                 DBNAME table default dictionary
                *
                *        DMCL name to emulate DCMT VARY DMCL NEW COPY - temp KJM
                *
0006B0          CSAVDMCL DS    CL8                 DCMT VARY DMCL name - temp KJM
                *
                *  10.   PROGRAM NAME TO PASS CONTROL AFTER IDMSEXEC STARTS BATCH INT
                *
0006B8          CSAPROGN DS    CL8                 Program #LINK'ed to by IDMSEXEC
                ************************************************************************
                ***                                                                  ***
                ***     SYSTEM WIDE FLAGS.                                           ***
                ***                                                                  ***
                ************************************************************************
                         PRINT NOGEN
                         PRINT GEN
                *CSASOS  #FLAG X'80'               SHORT ON STORAGE CONDITION.
                *CSAMAXT #FLAG X'40'               MAX TASKS CONDITION EXISTS.
                *CSAPROT #FLAG X'20'               SYSTEM IN STORAGE PROTECT MODE.
                *CSATRCE #FLAG X'10'               TRACING TURNED ON.
                *CSADBNA #FLAG X'08'               DATABASE TEMP. NOT AVAILABLE.
                *CSASCHK #FLAG X'04'               STACK CHECKING TURNED ON.
                *CSASHUT #FLAG X'02'               SYSTEM IS BEING SHUT DOWN.
                *CSAIDMS #FLAG X'01'               ON IF THIS IS CAMP, NOT DC.
0006C0          CSAFLAG1 DS    XL1'00'             FLAG BYTE 1.
                         PRINT NOGEN
```

```
Offset  Value

                 PRINT GEN
        *CSATIMR #FLAG X'80'              ON IF TIMER IS SUPPORTED.
        *CSAQUSC #FLAG X'40'              SYSTEM IS BEING QUIESCED.
        *CSANINT #FLAG X'20'              RUN THIS TASK ONLY (CSAONLYD).
        *CSANORN #FLAG X'10'              ON IF NO REENTRANT SNAPS WANTED.
        *CSAFACT #FLAG X'08'              ON IF FACTOTUM TYPE 2 ACTIVE.
        *CSADCUP #FLAG X'04'              TURNED ON WHEN INIT OF DC DONE.
        *CSAICCF #FLAG X'02'              ON IF DC IN SAME PARTITION AS ICCF
        *CSAPGRL #FLAG X'01'              PAGE RELEASE ENABLED.
0006C1  CSAFLAG2 DS    XL1'00'            FLAG BYTE 2.
                 PRINT NOGEN
                 PRINT GEN
        *CSASTTI #FLAG X'80'              STATISTICS DRIVEN BY TIMER.
        *CSASTTK #FLAG X'40'              STATS COLLECTED FOR EACH TASK.
        *CSASTLI #FLAG X'20'              STATS WANTED FOR EACH LINE.
        *CSASTUS #FLAG X'10'              STATS WANTED IN USER MODE.
        *CSASTTW #FLAG X'08'              STATS TO BE WRITTEN PER TASK.
        *CSASTDB #FLAG X'04'              STATS TO GO TO DATABASE.
        *CSALGDB #FLAG X'02'              LOG GOES TO DATABASE.
        *CSAUTRC #FLAG X'01'              ON IF USER TRACE WANTED.
0006C2  CSAFLAG3 DS    XL1'00'            FLAG BYTE 3.
                 PRINT NOGEN
                 PRINT GEN
        *CSASRLE #FLAG X'80'              ON IF SHORT ON RLE'S
        *CSALE37 #FLAG X'40'              ON IF LE/370 SUPPORTED.
        *CSATRST #FLAG X'20'              STATS COLLECTED BY TRANSACTION.
        *CSASILE #FLAG X'10'              ON IF SHORT ON ILE'S
        *CSAVTIM #FLAG X'08'              VECTOR TIMING ENABLED.
        *CSASHNR #FLAG X'04'              ON IF WAITING FOR ERUS QUIESCE.
        *CSASRCE #FLAG X'02'              ON IF SHORT ON RCE'S
        *CSASDPE #FLAG X'01'              ON IF SHORT ON DPE'S
        *CSASSR  #FLAG CSASRLEM+CSASRCEM+CSASDPEM+CSASILEM
        *                                 SHORT ON ONE OR MORE RESOURCE
0006C3  CSAFLAG4 DS    XL1'00'            FLAG BYTE 4.
                 PRINT NOGEN
                 PRINT GEN
        *CSADCRN #FLAG X'80'              ON IF DDLDCRUN AREA AVAILABLE.
        *CSAXA   #FLAG X'40'              ON IF MVS/XA SYSTEM.
        *CSAXA31 #FLAG X'20'              ON IF 31-BIT AMODE SUPPORTED.
        *CSASSNO #FLAG X'10'              ON IF SYSTEM SNAPS DISABLED .
        *CSASPNO #FLAG X'08'              ON IF SYS SNAP PHOTOS DISABLED.
        *CSATSNO #FLAG X'04'              ON IF TASK SNAPS DISABLED.
        *CSATPNO #FLAG X'02'              ON IF TASK SNAP PHOTOS DISABLED.
        *CSAAUTH #FLAG X'01'              ON IF DC RUNNING AUTHORIZED.
0006C4  CSAFLAG5 DS    XL1'00'            FLAG BYTE 5.
                 PRINT NOGEN
                 PRINT GEN
        *CSAORL  #FLAG X'80'              ON IF ONLINE RSCE LIMIT JIC031684
        *CSAERL  #FLAG X'40'              ON IF EXTRNL RSCE LIMIT JIC031684
        *CSAOLE  #FLAG X'20'              ON IF ONLINE LIMITS ENA JIC032284
        *CSAELE  #FLAG X'10'              ON IF EXTERN LIMITS ENA JIC032284
        *CSARLIM #FLAG CSAORLM+CSAERLM    ON IF ANY RSCE LIMITS   JIC032184
        *CSALENA #FLAG CSAOLEM+CSAELEM    ON IF ANY LIMITS ENA    JIC032284
        *CSASCTL #FLAG X'08'              ON IF BATCH RUN HAS SYSCTL FILE
        *CSACSTG #FLAG X'04'              ON IF FIRST COMSTG GETMAIN DONE
        *CSAMSON #FLAG X'02'              On if multiple SIGNON allowed
        *CSANFET #FLAG X'01'              On Prevent DBIO from PREFETCH I/Os
0006C5  CSAFLAG6 DS    XL1'00'            FLAG BYTE 6.
                 PRINT NOGEN
                 PRINT GEN
        *CSASTRW #FLAG X'80'          ON IF SYSTEM TRACE TABLE HAS WRAPPED
        *CSAFETP #FLAG X'40'          SYSTEM IS RUNNING WITH FETCH PROTECTION
        *CSASECD #FLAG X'20'          SYSTEM IS RUNNING SECURED
        *CSANUCQ #FLAG X'10'          SYSTEM IS BIENG QUIESCED FOR NUC RELOAD
        *CSAXAPL #FLAG X'08'          XA POOLS PRESENT.
        *CSAMULV #FLAG X'04'          ENFORCE MULTIPLE VERSIONS NOT ALLOWED
```

```
Offset  Value

                *CSAXSCR #FLAG X'02'          ON IF SCRATCH IN XA STORAGE
                *CSALKAC #FLAG X'01'          ON IF LOCK MANAGER IS ACTIVE   JDM 10/89
0006C6          CSAFLAG7 DS    XL1'00'             FLAG BYTE 7.
                         PRINT NOGEN
                         PRINT GEN
                *CSACOB2 #FLAG X'80'          COBOL II IS SUPPORTED
                *CSAPLI5 #FLAG X'40'          PLI 2.n and above is supported
                *CSAP2Q  #FLAG X'20'          PASS 2 DISPATCH QUEUED WORK    JOS 09/90
                *CSASTAL #FLAG X'10'          TASK(S) HAVE STALLED           JOS 08/91
                *CSAMT   #FLAG X'08'               MULTI-TASKING SUPPORT ENABLED
                *CSAPSTX #FLAG X'04'               MVS POST EXIT ACTIVE
                *CSACS   #FLAG X'02'               COMPARE/SWAP INSTR. IS AVAILABLE
                *CSALGSS #FLAG X'01'          ON IF WE TEMP CHANGED LOGGING FROM DB
                *                            TO SYSOUT FOR MT SYSTEM SNAPS (RHDCSNMT)
0006C7          CSAFLAG8 DS    XL1'00'             FLAG BYTE 8.
                ************************************************************************
                ***                                                                  ***
                ***     CSA SYSTEM WIDE STATISTICS COLLECTION FIELDS.                ***
                ***                                                                  ***
                ************************************************************************
0006C8          CSASTBA  DS    A                   ADDR OF STATS BLOCK LIST
0006CC          CSAHSTA  DS    A                   ADDR OF HISTO ADDR LIST
0006D0          CSTTKCTO DS    H  TOTAL NUMBER OF TASKS CURRENTLY ACTIVE.
0006D2          CSTTKCSY DS    H  COUNT OF SYSTEM TASKS CURRENTLY ACTIVE.
0006D4          CSTSTNSS DS    H  NUMBER OF SCT'S CURRENTLY SHORT ON STORAGE.
0006D6          CSTTKCON DS    H  NUMBER OF ONLINE TASKS ACTIVE
0006D8          CSTTKCEX DS    H  NUMBER OF EXTERNAL TASKS ACTIVE
                *
0006DA                   DS    H                   Unused
0006DC          CSAP1NP2 DS    F                   Dispatch pass 1 c/o a pass 2
0006E0          CSAP1LMT DS    F                   Limit for P1NP2 to force a pass 2
0006E4          CSAIGWST DS    F                   Batch allocations
0006E8          CSAMWKSZ DS    F                   CSAWQSIZ high water mark
0006EC          CSASVNOD DS    CL8                 Original node for cloned systems
0006F4                   DS    43F                 **** Reserved HRH ****
0007A0                   DS    8F                  **** Reserved HRH ****
0007C0                   DS    F                   **** Reserved HRH ****
                *
                *  FIELDS FOR COBOL II PERFORMANCE IMPROVEMENTS: moved to separate
                *  table pointed to by CSARTABA
0007C4          CSARTABA DS    A                   A(Reentrant HLL modules table)
0007C8          CSARTABS DS    A              A(CSARTABA search rtn) │ destroys R1-R3 │
0007CC          CSALEFE1 DS    A                   A(LE370ASM) entrypoint
0007D0          CSALEFE2 DS    A                   A(LE370ASM) exit point
0007D4                   DS    6F                  Reserved
0007EC          CSA2TCOP DS    A                   ADDRESS OF IGZCTCO COBOL 2 ROUTINE
0007F0          CSA2TCOL DS    F                   LENGTH OF IGZCTCO
0007F4          CSA2TCOD DS    A                   ADDRESS OF PDE FOR IGZCTCO
                *
                * next field replaced CSASQLTM
0007F8          CSAUTCTM DS    D                   UTC time internal format
000800          CSAMQTAB DS    F                   ADDRESS OF MESSAGE QUEUE TABLE
000804          CSAATRAC DS    A                   Trace table for #ABENDs/#WTLs
000808          CSAHIBIT DS    0F,XL4'80000000'    USEFUL FOR 31-BIT TESTING     06/88
00080C          CSASDECB DS    3F                  ECB FOR SYSTEM SHUTDOWN       06/88
                *                                     OR NUCLEUS RELOAD QUIESCE
                *
000818          CSACONST DS    A                   ADDRESS OF CONSTANTS BLOCK.
00081C          CSAPDICT DS    CL8                 PRIMARY DICTIONARY NAME
000824          CSAPLIB  DS    CL8                 PRIMARY LOADLIB (CDMSLIB FOR OS)
00082C          CSASMTIA DS    A                   ADDR OF SMT INDEX.
                *
000830          CSAHIBYT DS    0A,XL4'00FFFFFF'    USEFUL FOR AND'ING HI BYTE OF REG
000834                   ORG   CSAHIBYT+2
000832          CSAFFFF  DS    XL2'FFFF'           REDEFINE HALFWORD AS 'FFFF'
000834                   ORG   ,
```

```
Offset  Value

000834          CSANULLS DS    9F'0'               BINARY ZEROES FOR THE NEEDY
                *
                ************************************************************************
                *   CODE AREAS (TAKE PROPER LENGTHS FROM RHDCCSA).
                ************************************************************************
                *
000858          CSASTCKA DS    168H              STACK OVERFLOW AND TRACING
0009A8                   ORG   CSASTCKA+X'B8'                            IDMSDC/1355
000910          CSATRC01 DS    0H                SPECIAL BR FOR MT TRACING IDMSDC/1355
000910                   ORG   ,                                         IDMSDC/1355
0009A8          CSAMPCKA DS    20H               MPMODE CHECKER
0009D0          CSARTDMY DS    7H                DUMMY RETURN ROUTINE
0009DE          CSAD004  DS    8H                RUNAWAY TASK ABEND AND MODE SWITCH
0009EE          CSASNTRY DS    68H                 USER TO SYSTEM MODE     *PHG XA-NUC*
000A76          CSASVC1  DS    16H               SVC INVOKED TO SWITCH TO SYSTEM MODE
000A96          CSASPIE  DS    35H               OPSYS INDEPENENT PROG INTERRUPT ROUT
000ADC          CSASVC2  DS    2H                SVC INVOKED TO SWITCH TO SYSTEM MODE
000AE0          CSAUMOD1 DS    5H                ENTER USER-MODE PROGRAM   *PHG XA-NUC*
000AEA          CSAUMOD2 DS    27H               REENTER USER-MODE PROGRAM *PHG XA-NUC*
000B20          CSASQLTZ DS    H                 LOCAL TIME DIFF FROM GMT (IN MINUTES)
                *                                (BUILT BY SYSSVC TIME CALL)
000B22                   DS    H                   ***UNUSED***
000B24                   DS    A                   ***UNUSED***
000B28                   DS    2A                ** RESERVED - DO NOT USE **
000B30                   DS    A                 RESERVED
000B34          CSASPIEA DS    A                 ADDR OF OPSYS DEPENDENT SPIE ROUTINE
000B38                   DS    A                 RESERVED FOR D004 ABEND CODE    *DKK*
000B3C          CSADOSHK DS    7F                DOS/VSE SVC HOOK                *DKK*
000B58          CSAMDHDM DS    3F                  FIRST MDQ CHAIN ENTRY.
000B64          CSAFSTOP DS    9H              MP FAST STOP ROUTINE
000B76          CSADCALL DS    2H
000B7A          CSAICALL DS    2H
000B7E          CSAICRTN DS    29H
000BB8          CSADBUGA DS    A
000BBC          CSABS2KP DS    A                   Filled in by RHDCSTRT
000BC0          CSATRCMP DS    26H                 MP TRACE ROUTINE        IDMSDC/1355
                CSAPATCH #PATCH 504S,DSECT=YES     PATCH AREA.
                ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
000BF4          CSAPATCH DS    504S                                                   +
                ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
        00FE4   CSADSLEN EQU   *-CSA               LENGTH OF BASIC CSA.
                ************************************************************************
                * THIS IS A CHECK TO MAKE SURE THAT THE LAST PATCH AREA STILL ENDS
                * WHERE WE THINK IT SHOULD.  IF EITHER OF THESE CONSTANTS CAUSE AN
                * ASSEMBLY ERROR, SOMETHING HAS MOVED WHICH SHOULDN'T.
000FE4                   DC    0S(CSADSLEN-X'FE4',X'FE4'-CSADSLEN)
                ************************************************************************
                ************************************************************************
                *    USING SPECIAL PATCH SPACE FOR NON IBM SYSTEMS
                *
                * THERE ARE SPECIAL PATCH MODULES FOR NON-IBM SYSTEMS.
                * FOR SIEMENS BS2000 - BS2KPTCH
                * FOR FUJITSU MSP    - MSPXPTCH
                * FOR HITACHI VOS    - VOSXPTCH
                *
                * THE FOLLOWING (ADDRESSIBLE) ROUTINE LETS YOU GET TO IT.
                * IT SHOULD BE CALLED IN THIS WAY:
                *
                *         BAL   R14,CSAGOBS2
                *         DC    F'OFFSET-INTO-OPSYS-PATCH-MODULE-RELATIVE-TO-ZERO'
                *
                * THIS ROUTINE WILL DELIVER YOU TO THAT OFFSET IN OPSYS PATCH WITH
                * R15 POINTING AT THAT LOCATION AND R14 POINTING JUST PAST THE FULL-
                * WORD OFFSET IN YOUR PROGRAM.
                ************************************************************************
000FE4 B        CSAGOBS2 ICM   15,15,0(14)         Get jump offset, unaligned
```

```
Offset  Value

000FE8 5                A     15,CSABS2KP-CSA(,10)
000FEC 4                B     CSACHKPA-CSA(,10)   Go see if patch applied
                ********************************************************************
                *            USING EXTENDED CSA PATCH SPACE
                *
                * ASIDE FROM THE ADDRESSIBLE PATCH AREAS IN THE MAIN BODY OF THE
                * CSA ABOVE, THERE IS A HUGE EXTENDED PATCH AREA JUST BEYOND
                * ADDRESSIBILITY.  THE FOLLOWING (ADDRESSIBLE) ROUTINE LETS YOU GET
                * TO IT.  IT SHOULD BE CALLED IN THIS WAY:
                *
                *         BAL   R14,CSAGOPAT
                *         DC    F'OFFSET-INTO-PATCH-AREA-RELATIVE-TO-RHDCCSA'
                *
                * THIS ROUTINE WILL DELIVER YOU TO THAT OFFSET IN THE PATCH AREA WITH
                * R15 POINTING AT THAT LOCATION AND R14 POINTING JUST PAST THE HALF-
                * WORD OFFSET IN YOUR PROGRAM.
                ********************************************************************
000FF0          CSAFUDGE DS    Y                  FUDGE FACTOR TO ADJUST OFFSET
000FF2 B        CSAGOPAT ICM   15,15,0(14)         Get offset
000FF6 1                 AR    15,10               Add in A(CSA)
000FF8 4                 SH    15,CSAFUDGE-CSA(,10)  Offset is relative to RHDCCSA
000FFC 0                 DC    X'0700'             needed for Nucleus reload of CSA
000FFE          CSACHKPA DS    0H
000FFE D                 CLC   0(2,15),2(14)     DOES PATTERN = OFFSET?
001004 4                 LA    14,4(14)                 (POINT PAST FULL-WORD OFFSET)
001008 0                 BCR   7,15   (BNER)       NO, GO TO PATCH
00100A 0                 DC    X'0'                YES, CAUSE AN 0C1
00100B D                 DC    C'PATCH NOT IN CSA'   (OR OTHER OPSYS PATCH)
                ****** EXTENDED PATCH AREA - NOTE: ALTHOUGH THIS LOOKS HUGE, WHEN
                ******        RHDCSTRT LOADS THE CSA IT BACKSCANS THIS PATCH AREA
                ******        UNTIL IT FINDS THE LAST BYTE THAT HAS ACTUALLY BEEN
                ******        USED FOR A ZAP AND REUSES THE REST OF THE AREA.
00101C          CSAXPAT  DS   14282Y
                         POP   PRINT
                         AGO   .CSADONE
                .CSADONE ANOP
```

1.17 #CURDS

```
                         COPY #CURDS
                ******************************************************************
                *                                                               *
                *   #CURDS: cb's used by RHDCCURS to save/restore currencies.   *
                *                                                               *
                ******************************************************************
                *
                *   Note:  All "index" fields are used as an index into the DBkey
                *   table.  0 is the first, 1 the second, and so on. The DBkey
                *   table is described by the CURD, below.
                *
                **----------------------------------------------------------------**
                *   CURH:  Currency header                                      *
                **----------------------------------------------------------------**
                         PRINT NOGEN

Offset  Value

000000          CURH     DSECT            CURS Header:                        08/19/94
000000          CURHEYEC DS    CL8           '$*$CURCY' eyecatcher
000008          CURHID   DS    CL16          Currency id
000018          CURHSSNM DS    CL8           Subschema name
000020          CURHSSDT DS    FL8           Subschema compile datetime
000028          CURHNLKC DS    A             -->Longterm Notify LKC
00002C          CURHDBKO DS    F             Offset from CURH to DBkey list (CURD)
000030          CURHDBK# DS    F             Number of CURDs
000034          CURHRECA DS    F             Offset to 1st Record CURR
000038          CURHSETA DS    F             Offset to 1st Set    CURS
00003C          CURHAREA DS    F             Offset to 1st Area   CURA
000040          CURHLRA  DS    F             Offset to 1st LR     CURL
000044          CURHVSMA DS    F             Offset to 1st nVSAM  CURN
000048                   DS    F             -reserved-
00004C                   DS    H             -reserved-
00004E          CURHNREC DS    H             Number of Record entries
000050          CURHNSET DS    H             Number of Set entries
000052          CURHNAR  DS    H             Number of Area entries
000054          CURHNLR  DS    H             Number of LR entries
000056          CURHNVSM DS    H             Number of nVSAM entries
                *
        00058   CURHLEN  EQU   ((*-CURH+3)/4)*4  sizeof(CURH)
                *
                **----------------------------------------------------------------**
                *   CURD:  Saved DBkey                                          *
                **----------------------------------------------------------------**
000000          CURD     DSECT            DBkey list entry description:
000000          CURDBKEY DS    F             DBkey
000004          CURDNLKG DS    A             -->Notify LKG of DBkey
000008          CURDSLKG DS    A             -->LKG for DBMS's Share lock
00000C          CURDVACO DS    H             Offset from VSE to DBkey's VAC
00000E          CURDNOTE DS    BL.8          Notify bits:
        00020   NOTEUNK  EQU   X'20'               Uncertain changes noted
        00010   NOTEDLP  EQU   X'10'               Physically deleted
        00008   NOTEDLL  EQU   X'08'               Logically deleted
        00004   NOTEUPP  EQU   X'04'               Prefix was modified
        00002   NOTEUPD  EQU   X'02'               Data was modified
        00001   NOTERET  EQU   X'01'               Record was retrieved
00000F          CURDKYFM DS    X             DBkey radix
000010          CURDDPR  DS    F             -->DPR for dbkey's area
000014          CURDPGRP DS    H             Page Group identifier
000016          CURD#VUP DS    X             Area VARY UPDATE count when CURD built
000017          CURDFLAG DS    BL.8          FLAG BITS:
        00080   CURDNUPD EQU   X'80'               AREA IS CANNOT BE UPDATED
        00040   CURDNRST EQU   X'40'               CURRENCY CANNOT BE RESTORED
```

```
Offset  Value

000018                  DS    2F            Round up so total size is 32 (CURDSHFT)
                *
        00020   CURDLEN  EQU   ((*-CURD+3)/4)*4  sizeof(CURD)
        00005   CURDSHFT EQU   5          For quick multiply, shift by this.
                *
                **-----------------------------------------------------------------**
                *   CURA:  Area currency                                            *
                **-----------------------------------------------------------------**
000000          CURA     DSECT            Area currency:
000000          CURALOPG DS    F             Area lowpage
000004          CURACAC  DS    F             Offset from FIB to AC56 of Area
000008          CURACREC DS    F             Offset to CURR of CDEF
00000C          CURACRD  DS    F             Offset from FIB to CDEF
000010          CURACDBK DS    H             CURD# for VACCDBK
000012          CURALDBK DS    H             CURD# for VACLDBK
000014          CURALKGA DS    A             -->Notify LKG for area
000018          CURALKMC DS    XL1           Open mode of Area (LKMCxx)
000019                   DS    XL3           -reserved-
00001C          CURAPGRP DS    H             Page Group identifier
00001E                   DS    H             -reserved-
        00020   CURALEN  EQU   ((*-CURA+3)/4)*4 sizeof(CURA)
                *
                **-----------------------------------------------------------------**
                *   CURL:  LR currency                                              *
                **-----------------------------------------------------------------**
000000          CURL     DSECT            LR currencies:
                *                         CURL type:
                CURLTVB  #FLAG X'F0'        VIB            (type1)
                CURLTVL  #FLAG X'E0'        VLQ            (type2)
                CURLTVP  #FLAG X'80'        VPS:
                CURLTRA  #FLAG X'40'            Rec/Area   (type3)
                CURLTCH  #FLAG X'20'            Chain set  (type4)
                CURLTIX  #FLAG X'10'            Index set  (type5)
        000F0   CURLTYPE EQU   CURLTVBM      Bits reserved for CURL type
                *              X'n0'         FORCHAIN
                *              X'n1'         FORINDEX
                *              X'n2'         FORULNK
000000          CURLMODE DS    X             VPSMODE (type4,5)
                CURLNIL  #FLAG X'80'         Nil type2,3,4,5 CURL
                CURLNUL  #FLAG X'40'         Nul type3,4,5 CURL
                CURLNOC  #FLAG CURLNILM+CURLNULM Either NIL or NUL type3,4,5 CURL
000001          CURLFLAG DS    X             VPSFLAG (type3,4,5)
000002          CURLSIZ  DS    H             Sizeof this CURL
000004          CURLFEND DS   0F             End of fixed CURL
        00004   CURLNOCL EQU   ((*-CURL+3)/4)*4 sizeof(type3,4,5 nil|nul_CURL)
                *
000004                   ORG   CURLFEND
000004          CURLFSDC DS    F             VIBFSDC  - Ofst to current SD82
000008          CURLFPHC DS    F             VIBFPHC  - Ofst to current PH82
00000C          CURLFPSC DS    F             VIBFPSC  - Ofst to current PS83
000010          CURLVPSC DS    F             VIBVPSC  - Ofst to current VPS83
000014          CURLVIBN DS    F             VIBVPSN  - Ofst of VIB-->CSB chain
000018          CURLCLEV DS    H             VIBCLEVL - Cur path-statement level
        0001C   CURLVBLN EQU   ((*-CURL+3)/4)*4 sizeof(type1_CURL)
                *
00001A                   ORG   CURLFEND
        00004   CURLNIQL EQU   ((*-CURL+3)/4)*4 sizeof(type2_NIL_CURL)
000004          CURLFSD  DS    F             Offset from FIB to current FSD (VLQFSDC)
000008          CURLVPSN DS    F             Offset from DYN to next in VLQ/VPS
00000C          CURLVPSP DS    F             Offset from DYN to prior in VLQ/VPS
        00010   CURLLQLN EQU   ((*-CURL+3)/4)*4 sizeof(type2_CURL)
                *
        00004   CURLCDEF EQU   CURLFSD       Offset from FIB to CDEF (VPS)
000010          CURLVORN DS    F             Offset from DYN to next in VIB/VOR-->CSB
000014          CURLDBKY DS    H             CURD# of CSBCDBK
000016          CURLALDB DS    H             CURD# of CSBLDBK
```

```
Offset  Value

000018          CURLVSMK DS   0C   ...       nVSAM KSDS prime key
        00018   CURLARLN EQU   ((*-CURL+3)/4)*4 sizeof(type3_CURL)
                *
000018                   ORG   CURLALDB
000016          CURLSODB DS    H             CURD# of CSBODBK
000018          CURLSNDB DS    H             CURD# of CSBNDBK
00001A          CURLSPDB DS    H             CURD# of CSBPDBK
        0001C   CURLCHLN EQU   ((*-CURL+3)/4)*4 sizeof(type4_CURL)
                *
00001C          CURLINDX DS    F             Offset from FIB to verb105 OR52
000020          CURLSR8P DS    H             CURD# of CSBSR8P
000022          CURLSR8C DS    H             CURD# of CSBSR8C
000024          CURLSR8N DS    H             CURD# of CSBSR8N
        00028   CURLIXLN EQU   ((*-CURL+3)/4)*4 sizeof(type5_CURL)
                *
                **-------------------------------------------------------------------**
                *   CURN:  nVSAM currency                                             *
                **-------------------------------------------------------------------**
000000          CURN     DSECT            nVSAM currencies:
000000          CURNSIZ  DS    H             Sizeof this CURN
000002          CURNTYP  DS    X             CURN type:
        00001   CURNTYAS  EQU   1               NVAS
        00002   CURNTYCE  EQU   2               NVTCe
000003          CURNRPLM DS    X             RPL processing mode
000004          CURNPRO  DS    A             -->PR60
        00008   CURNASLN EQU   ((*-CURN+3)/4)*4 sizeof(NVAS_CURN)
                *
000008                   ORG   CURNRPLM
000003          CURNVKLN DS    X             L'symbolic_key
000004          CURNVRBA DS    F             RBA
000008          CURNVKEY DS   0C   ...       Symbolic key
        00008   CURNCELN EQU   ((*-CURN+3)/4)*4 sizeof(NVTCe_CURN)
                *
                **-------------------------------------------------------------------**
                *   CURR:  Record currency                                            *
                **-------------------------------------------------------------------**
000000          CURR     DSECT            Record Currency:
                CURRRU   #FLAG X'80'         This Rcd current of r/u
000000          CURRCSR  DS    F             Offset from FIB to SR51
000004          CURRID   DS    H             Record id
000006          CURRCDBK DS    H             CURD# for VSRCDBK
000008          CURRBIND DS    A             Record bind address
        0000C   CURRLEN  EQU   ((*-CURR+3)/4)*4  sizeof(CURR)
                *
                **-------------------------------------------------------------------**
                *   CURS:  Set currency                                               *
                **-------------------------------------------------------------------**
000000          CURS     DSECT            Set Currency:
000000          CURSNAME DS    CL18          Set name
000012          CURSSIZ  DS    H             sizeof this CURS
                CURSNUL  #FLAG X'80'         All currencies are NULL
000014          CURSCOR  DS    F             Offset from FIB to OR52 of Set
000018          CURSCSBN DS    F             Offset from DYN to CSB
        0001C   CURSNULN EQU   ((*-CURS+3)/4)*4 sizeof(NULL_CURS)
                *
00001C          CURSCRD  DS    F             Offset from FIB to CDEF of Set
000020          CURSNPOS DS    F             NPOS for OR6 restore
000024          CURSCREC DS    H             Record id of current of Set
000026          CURSCDBK DS    H             CURD# for VORCDBK
000028          CURSNDBK DS    H             CURD# for VORNDBK
00002A          CURSPDBK DS    H             CURD# for VORPDBK
00002C          CURSODBK DS    H             CURD# for VORODBK
        00030   CURSCHLN EQU   ((*-CURS+3)/4)*4 sizeof(chain_CURS)
                *
00002E          CURSIXPR DS    H             CURD# for VORIXPRI
000030          CURSIXCU DS    H             CURD# for VORIXCUR
```

```
Offset  Value

000032          CURSIXNX DS    H             CURD# for VORIXNXT
        00034   CURSIXLN EQU   ((*-CURS+3)/4)*4 sizeof(index_CURS)
                *
                         PRINT GEN
```

1.18 #CVSDS

```
                        COPY #CVSDS

Offset  Value

000000          CVS      DSECT                                                 02/27/92
                ***
                ***  APPC CONVERSATION CONTROL BLOCK
                ***
                ***
                ***         (POINTED TO BY TCECVSA, APPCCVSA AND CVSNEXT)
                ***
000000          C3E5E25CCVSLABEL DC    CL4'CVS*'          LABEL FOR DUMPS
000004          CVSNEXT  DS    A                  NEXT CVS
000008          CVSSTATE DS    X                  STATE OF CONVERSATION
        00001   CVSSEND   EQU   X'01'              SEND
        00002   CVSRECV   EQU   X'02'              RECEIVE
        00004   CVSCONF   EQU   X'04'              CONFIRM
        00008   CVSDEAL   EQU   X'08'              DEALLOCATE
                         PRINT NOGEN
                CVSINPQ  #FLAG X'01'               INPUT QUEUED
                CVSPSAC  #FLAG X'02'               POSTING ACTIVE
                CVSRTSR  #FLAG X'04'               REQUEST-TO-SEND RECEIVED
                CVSALTK  #FLAG X'08'               THIS TASK ATTACHED
                CVSPSA   #FLAG X'10'               PRESENTATION SERVICES ACTIVE
                CVSPSRD  #FLAG X'20'               PRES. SERV. MUST READ DATA AGAIN
                         PRINT GEN
000009                   DS    X
00000A          CVSRLEN  DS    H                  LENGTH OF QUEUED INPUT
00000C          CVSRADD  DS    A                  ADDRESS OF QUEUED INPUT
000010          CVSWADD  DS    A                  ADDRESS OF QUEUED OUTPUT
000014          CVSWLEN  DS    H                  LENGTH OF QUEUED OUTPUT
000016          CVSCTYPE DS    X                  TYPE OF CONFIRM LAST RECEIVED
000018          CVSCSXA  DS    A                  A(CONTROL SESSION VECTOR INFO)
                         COPY  #UIOCB
00001C          UIOCB    DS    0F
                ******************************************************************
                **
                **   UIOCB    USER I/O COMMUNICATIONS BLOCK
                **
                **             ## - LU6.2 ONLY
                **             $$ - FOR FUTURE USE
                ******************************************************************
00001C          UIOLTEA  DS   A                    ADDR OF LOGICAL TERMINAL ELEMENT
                *                                  (CONVERSATION IDENTIFIER)
                *------------------------------------------------------------------*
                *     SESSION ATTRIBUTES
                *------------------------------------------------------------------*
000020          UIOBIND  DS   A                    ADDRESS OF BIND PARAMETERS
000024          UIOLLU   DS   CL8                  LOCAL LU NAME ( OWN_LU_NAME )
00002C          UIORLU   DS   CL8                  REMOTE LU NAME ( PARTNER_LU_NAME)
000034          UIOMODE  DS   CL8                  MODEENT NAME ( MODE_NAME )
00003C          UIOSYNC  DS   X             ##     SYNC_LEVEL
        00000   UIOSYNCN EQU  X'00'                SYNC_LEVEL = NONE
        00001   UIOSYNCC EQU  X'01'                SYNC_LEVEL = CONFIRM
        00010   UIOSYNCS EQU  X'10'                SYNC_LEVEL = SYNCPOINT
00003D          UIOCONV  DS   X             ##     CONVERSATION TYPE
        00000   UIOCONVB EQU  X'00'                CONVERSATION TYPE = BASIC
        00001   UIOCONVM EQU  X'01'                CONVERSATION TYPE = MAPPED
00003E          UIOMAPN  DS   CL24          $$     LU6.2 MAP NAME
000056          UIOTASK  DS   CL8                  REMOTE TASK TO BE ALLOCATED (TPN)
00005E          UIOUSER  DS   CL8           ##     USER ID TO BE PASSED WITH ALLOCATE
000066          UIOPASS  DS   CL8           ##     PASSWORD TO BE SENT WITH ALLOCATE
```

```
00006E         UIOPROFL DS   CL8           ##     PROFILE ID TO BE SENT W/ ALLOCATE
000076         UIOINRU  DS   H                     MAX RU SIZE ON INPUT
000078         UIOUTRU  DS   H                     MAX RU SIZE ON OUTPUT
00007A         UIORSV   DS   4H                    RESERVED
               *-------------------------------------------------------------------*
               *    WHAT RECEIVED
               *-------------------------------------------------------------------*
               UIODAT   #FLAG X'80'                DATA
000082         UIODATI  DS    0XL1
        00080  UIODATM  EQU   X'80'
               UIOERR   #FLAG X'40'        ##      ERROR  (SEND_ERROR RECEIVED)
000082         UIOERRI  DS    0XL1
        00040  UIOERRM  EQU   X'40'
               UIOLST   #FLAG X'20'                DEALLOCATE   (SEND LAST RECEIVED)
000082         UIOLSTI  DS    0XL1
        00020  UIOLSTM  EQU   X'20'
               UIOCD    #FLAG X'10'                CHANGE DIRECTION  (TIME TO SEND)
000082         UIOCDI   DS    0XL1
        00010  UIOCDM   EQU   X'10'
               UIOCFM   #FLAG X'08'                CONFIRM  (CONFIRMATION REQUESTED)
000082         UIOCFMI  DS    0XL1
        00008  UIOCFMM  EQU   X'08'
               UIOSIG   #FLAG X'04'                SIGNAL  (REQUEST_TO_SEND RECEIVED)
000082         UIOSIGI  DS    0XL1
        00004  UIOSIGM  EQU   X'04'
               UIOSPT   #FLAG X'02'        $$      SYNCPOINT (TAKE_SYNCPOINT)
000082         UIOSPTI  DS    0XL1
        00002  UIOSPTM  EQU   X'02'
               UIOROL   #FLAG X'01'        $$      SYNCPOINT ROLLBACK REQUIRED
000082         UIOROLI  DS    0XL1
        00001  UIOROLM  EQU   X'01'
000082         UIOWREC  DS    X                    WHAT_RECEIVED
               UIOFMH   #FLAG X'80'                DATA CONTAINS FMH
000083         UIOFMHI  DS    0XL1
        00080  UIOFMHM  EQU   X'80'
               UIODTC   #FLAG X'40'                DATA_COMPLETE (OFF = INCOMPLETE)
000083         UIODTCI  DS    0XL1
        00040  UIODTCM  EQU   X'40'
000083         UIODATF  DS    X                    DATA TYPE FLAG
               *-------------------------------------------------------------------*
               *    ERROR INFORMATION FIELDS
               *-------------------------------------------------------------------*
000084         UIOURA   DS    0X
000084         UIOUCOM  DS    XL1                  IDMS-DC ERROR CODE
        00000  UIOCOMPG EQU 0   GOOD COMPLETION - I/O SUCCESSFUL
        00008  UIOCOMPA EQU 8   TERMINAL OPERATOR HIT ATTN OR BREAK DURING OUTPUT
        0000C  UIOCOMPL EQU 12  LOGICAL ERRORS - INVALID COMMAND SEQUENCE
        00010  UIOCOMPP EQU 16  PERMANENT I/O ERROR
        00014  UIOCOMPD EQU 20  SESSION WAS DISCONNECTED OR INTERVENTION REQ.
        00018  UIOCOMPO EQU 24  SESSION IS OUT-OF-SERVICE
        0001C  UIOCOMPC EQU 28  SESSION IS CLOSED (OPEN DIDN'T WORK)
        00020  UIOCOMPI EQU 32  INVALID TRB PARAMETER LIST
000085         UIOUCM2  DS    XL1                  SECONDARY DC ERR-CODE
        00001  UIOLGNR  EQU   X'01'    ERR - LOGON ROUTINE
        00002  UIOPROF  EQU   X'02'    ERR - PRIOR OPEN FAILURE
        00003  UIORTEX  EQU   X'03'    ERR - RETRIES EXHAUSTED (MAX ERRS EXCEEDED)
        00004  UIONEGR  EQU   X'04'    ERR - NEGATIVE RESP TO SEND DATA
        00005  UIOSRPF  EQU   X'05'    ERR - SEND RESPONSE FAILED
        00006  UIONUIO  EQU   X'06'    ERR - NO UIOCB ADDRESS AVAILABLE
        00007  UIOUNKI  EQU   X'07'    ERR - UNKNOWN INPUT RECEIVED
        00008  UIOBBFL  EQU   X'08'    ERR - BRACKET BID FAILURE
        00009  UIOWQUR  EQU   X'09'    ERR - WAITING ON QUIESCE RELEASE
        0000A  UIOSTSN  EQU   X'0A'    ERR - MSG RESYNC FAILURE (ON SEND CHAIN)
        0000B  UIOSTSR  EQU   X'0B'    ERR - MSG RESYNC FAILURE REPETIVELY
        0000C  UIOPLEC  EQU   X'0C'    ERR - PIPELINE EXCEEDED MAX EXCP RESPONSES
        0000D  UIOPLRD  EQU   X'0D'    ERR - PIPELINE READ RQST IS NOT SUPPORTED
```

```
        0000E  UIOUCD   EQU   X'0E'    ERR - UNIDENTIFIED NORMAL FLOW CMD RECEIVED
        0000F  UIORCAF  EQU   X'0F'    ERR - RESET TO CONT-ANY FAILED
        00010  UIOLUSR  EQU   X'10'    ERR - UNKNOWN LUSTAT RECEIVED
        00011  UIOCNNA  EQU   X'11'    ERR - CHAINED-INPUT NOT ALLOWED THIS PTE TYPE
        00012  UIOUNXC  EQU   X'12'    ERR - UNEXPECTED COMMAND RECEIVED
        00013  UIOCNCR  EQU   X'13'    ERR - CANCEL COMMAND RECEIVED
        00014  UIOCHRC  EQU   X'14'    ERR - CHASE COMMAND RECEIVED
        00015  UIORCVF  EQU   X'15'    ERR - RECEIVE FAILED
        00016  UIOFMHG  EQU   X'16'    ERR - FMH DEFAULT IN SYSGEN CAN'T BE USED
        00017  UIOVMMT  EQU   X'17'    ERR - GENCB/MODCB FAILURE
        00018  UIOSNDF  EQU   X'18'    ERR - SEND CMD FAILURE
        00019  UIOWBMS  EQU   X'19'    ERR - WRITE BUFFER MISSING
        0001A  UIOFMHS  EQU   X'1A'    ERR - FMH OR FMH-OPTION SPECIFICATION ERROR
        0001B  UIOQECR  EQU   X'1B'    ERR - QEC RECV'D, USER CONTROLS OUTB CHAINING
        0001C  UIOPUNK  EQU   X'1C'    ERR - PTE TYPE UNKNOWN
        0001D  UIOLTNA  EQU   X'1D'    ERR - LAST OPTION DISALLOWED
        0001E  UIOPMXW  EQU   X'1E'    ERR - PIPELINE MAX NBR WRITES (1) EXCEEDED
        0001F  UIOOPNS  EQU   X'1F'    ERR - OPT/RQST NOT SUPPTD THIS PTE OR LU TYPE
        00020  UIOWSZX  EQU   X'20'    ERR - WRT SIZ GTR PRUSZ, & CHAIN NOT ALLOWED
        00021  UIOSLUF  EQU   X'21'    ERR - SEND LUS (IN LIEU NEG RESP) FAILED
        00022  UIORBKF  EQU   X'22'    ERR - RESET BRACKET (SEND EB) FAILURE
        00023  UIORQRA  EQU   X'23'    ERR - RQR ATTEMPTED
        00024  UIORBNS  EQU   X'24'    ERR - READ-BUFFER NOT SUPPORTED
        00025  UIOUCNR  EQU   X'25'    ERR - OUTB USER CHAINING - NEG RESPONSE
        00026  UIONEGC  EQU   X'26'    ERR - NEG RESP TO SEND COMMAND
        00027  UIONRNR  EQU   X'27'    ERR - NEG RESP, SEND CHAIN, NO RECOVERY POSS
        00028  UIOLURS  EQU   X'28'    ERR - LU RQST'D SHUTDOWN
        00029  UIORCCE  EQU   X'29'    ERR - REQUEST CANCELED, CONVERSATION ENDED
        0002A  UIOSIGR  EQU   X'2A'    ERR - SIGNAL RECEIVED NOT RECOGNIZED
        0002B  UIOIGDS  EQU   X'2B'    ERR - INVALID LU6.2 GDS ID
        0002C  UIOSCRM  EQU   X'2C'    ERR - SEND CANCELED, WE ARE IN RECV-MODE
        0002D  UIOZLMR  EQU   X'2D'    ERR - ZERO-LNG MSG RECEIVED
        0002E  UIONMRT  EQU   X'2E'    ERR - INVALID/MISSING REQUEST TYPE
        0002F  UIOALFR  EQU   X'2F'    ERR - ALLOCATE FAILED, SESSION BUSY, RETRY OK
        00030  UIOALFN  EQU   X'30'    ERR - ALLOCATE FAILED, NO RETRY
        00031  UIOALFS  EQU   X'31'    ERR - ALLOCATE FAILED,SYNCLEVEL NOT SUPPORTED
        00032  UIOUNBD  EQU   X'32'    ERR - UNBIND RECEIVED
        00033  UIOSNDE  EQU   X'33'    ERR - LU6.2 SEND ERROR RECEIVED
        00034  UIOABND  EQU   X'34'    ERR - LU6.2 SEND ABEND RECEIVED
        00035  UIOXLIM  EQU   X'35'    ERR - LIMIT ON INPUT EXCEEDED, READ FAILED
        00036  UIOEBR   EQU   X'36'    END BRACKET RECEIVED - DEALLOCATE NORMAL
        00037  UIOEM01  EQU   X'37'    RHDCD0FI -  ERROR ON 3270 READ
        00038  UIOEM02  EQU   X'38'    RHDCD0FI -  3270 DATA DOESN'T START WITH '*'
        00039  UIOEM03  EQU   X'39'    RHDCD0FI -  3270 DATA HAS BAD SEQUENCE NUMBER
        0003A  UIOEM04  EQU   X'3A'    RHDCD0FI -  3270 DATA TOO SHORT
        0003B  UIOEM05  EQU   X'3B'    RHDCD0FI -  BAD CHARACTER IN 3270 DATA
        0003C  UIOEM06  EQU   X'3C'    RHDCD0FI -  3270 DATA INVALID LENGTH
        0003D  UIOEM07  EQU   X'3D'    RHDCD0FI -  3270 DATA DOESN'T END WITH '*'
000086         UIOURTC  DS    XL1                 VTAM RTNCD
000087         UIOUFDB  DS    XL1                 VTAM FDBK2
000088         UIOUSEI  DS    XL1                 VTAM SENSE INFO
000089         UIOUSMI  DS    XL1                 VTAM SENSE MODIFIER
00008A         UIOUUSI  DS    XL2                 VTAM USER SENSE INFO
00008C         UIORSV1  DS    XL4                 RESERVED
000090         UIOUSIG  DS    XL4                 SIGNAL DATA - EXPD-FLOW-CMD
        00010  UIOURAL EQU   *-UIOURA   LENGTH OF ERROR INFO FIELDS
000094         UIORSV2  DS    XL27                RESERVED
0000AF         UIODWORK DS    XL1                 WORK BYTE RESERVED FOR IDMS-DC
0000B0                  DS    0F                  ENSURE BOUNDARY - RFH
0000B0         UIOCDEFA DS    A                   Address of DNS CDEF data.
0000B4         UIOSNONA DS    A                   Address of DNS signon data.
        0009C  UIOCBL  EQU   *-UIOCB   LENGTH OF UIOCB
        000B8  CVSDSLEN EQU   ((*-CVS+3)/4)*4   DSECT LENGTH
```

1.19 #DBTBDS

```
                         COPY #DBTBDS
                *                                                       04/24/95
                ***********************************************************************
                *                                                                     *
                *        DBNAME table control blocks                                  *
                *                                                                     *
                ***********************************************************************
                ***********************************************************************
                *                                                                     *
                *        DBTABLE HEADER 'DT39' CONTROL BLOCK                          *
                *                                                                     *
                ***********************************************************************

Offset  Value

000000          DBT      DSECT
000000          DBTID    DS    CL4       'DT39'
000004          DBTFLAG1 DS    XL1       FLAG 1
000005          DBTFLAG2 DS    XL1       FLAG 2
000006          DBTNAME  DS    CL8       DBTABLE name
00000E                   DS    H         ***  RESERVED  ***
000010          DBTDTIME DS    CL8       DATE/TIME stamp
000018          DBTDFDIC DS    CL8       DEFAULT DICTIONARY
000020          DBTSIZEC DS    F         Total size of IDMSDBTB load module
000024          DBTINDEX DS    0XL(2*12) TABLE INDEXES
000024          DBTIXDB  DS    XL12      HDR for DB38 INDEX (sorted by DBNAME)
000030          DBTIXSM  DS    XL12      HDR for SM36 INDEX (sorted by DBNAME.SUBSCH)
        00002   DBTINDXL EQU   (*-DBTINDEX)/12   Number of INDEXES
00003C          DBTDBN   DS    A         Next in DT39-DB38
000040          DBTGPN   DS    A         Next in DT39-GP35
000044                   DS    H         ***  RESERVED  ***
000046          DBTGP35# DS    H         # OF GP35
000048          DBTDB38# DS    H         # OF DB38
00004A          DBTSG37# DS    H         # OF SG37
00004C          DBTSM36# DS    H         # OF SM36
000050          DBTDSEND DS    0F        End of DSECT
        00050   DBTDSLEN EQU   *-DBT     Length of DSECT
                ***********************************************************************
                *                                                                     *
                *        DBTABLE DBNAME 'DB38' CONTROL BLOCK                          *
                *                                                                     *
                ***********************************************************************
000000          DBN      DSECT
000000          DBNID    DS    CL4       'DB38'
000004          DBNFLAG1 DS    XL1       FLAG 1
        00080   DBNALWAY EQU   X'80'       -  Match on SUBSCHEMA is REQUIRED
        00040   DBNMULTP EQU   X'40'       -  This DBNAME allows MULTIPLE PAGE GROUPS
        00020   DBNVERFY EQU   X'20'       -  MULTIPLE PAGE GROUPS verified for SETS
000005          DBNFLAG2 DS    XL1       FLAG 2
        00080   DBNCONFL EQU   X'80'       -  DBNAME invalid.  Conflicting AREA names
        00040   DBNSMISS EQU   X'40'       -  DBNAME invalid.  Missing required SEGMENT
000006          DBNNAME  DS    CL8       DBNAME
00000E                   DS    XL14      ***  RESERVED  ***
00001C          DBNIXPR  DS    XL12      HDR for PR60 INDEX (sorted LOGICAL AREA NAME)
000028          DBNDTN   DS    A         Next in DT39-DB38
00002C          DBNSGN   DS    A         Next in DB38-SG37
000030          DBNSMN   DS    A         Next in DB38-SM36
000034          DBNINDEX DS    0XL(2*12) TABLE INDEXES
000034          DBNIXSG  DS    XL12      HDR for SG37 INDEX (sorted by SEGMENT name)
000040          DBNIXSM  DS    XL12      HDR for SM36 INDEX (sorted by SUBSCHEMA)
        00002   DBNINDXL EQU   (*-DBNINDEX)/12   Number of INDEXES
00004C          DBNSG37# DS    H         # OF SG37
00004E          DBNSM36# DS    H         # OF SM36
```

```
Offset  Value

000050          DBNDSEND DS    0F        End of DSECT
        00050   DBNDSLEN EQU   *-DBN     Length of DSECT
                ********************************************************************
                *                                                                  *
                *        DBTABLE DBNAME SEGMENT 'SG37' CONTROL BLOCK               *
                *                                                                  *
                ********************************************************************
000000          SGM      DSECT
000000          SGMID    DS    CL4       'SG37'
000004          SGMFLAG1 DS    XL1       FLAG 1
000005          SGMFLAG2 DS    XL1       FLAG 2
000006          SGMNAME  DS    CL8       SEGMENT NAME
00000E                   DS    H         ***  RESERVED  ***
000010                   DS    F         ***  RESERVED  ***
000014          SGMDBN   DS    A         Next in DB38-SG37
000018          SGMCOUNT DS    F         Nbr of times BIND satisfied PR60/AC56 hookup
00001C          SGMDSEND DS    0F        End of DSECT
        0001C   SGMDSLEN EQU   *-SGM     Length of DSECT
                ********************************************************************
                *                                                                  *
                *        DBTABLE DBNAME SUBSCHEMA 'SM36' CONTROL BLOCK             *
                *                                                                  *
                ********************************************************************
000000          SSM      DSECT
000000          SSMID    DS    CL4       'SM36'
000004          SSMFLAG1 DS    XL1       FLAG 1
        00080   SSMDBT   EQU   X'80'       -  This subschema USES DBTABLE mapping
000005          SSMFLAG2 DS    XL1       FLAG 2
000006          SSMSKEY  DS    0CL16     SORT KEY FOR DBNAME/SUBSCHEMA INDEX
000006          SSMDBNAM DS    CL8       OWNER DBNAME
00000E          SSMNAME1 DS    CL8       SUBSCHEMA NAME 1
000016          SSMNAME2 DS    CL8       SUBSCHEMA NAME 2
00001E          SSMDBNM2 DS    CL8       MAPPED TO DBNAME
000026                   DS    H         ***  RESERVED  ***
000028                   DS    F         ***  RESERVED  ***
00002C          SSMDBN   DS    A         Next in DB38-SM36
000030          SSMDBO   DS    A         OWNER DB38
000034          SSMDSEND DS    0F        End of DSECT
        00034   SSMDSLEN EQU   *-SSM     Length of DSECT
                ********************************************************************
                *                                                                  *
                *        DBTABLE GROUP 'GP35' CONTROL BLOCK                        *
                *                                                                  *
                ********************************************************************
000000          GRP      DSECT
000000          GRPID    DS    CL4       'GP35'
000004          GRPFLAG1 DS    XL1       FLAG 1
000005          GRPFLAG2 DS    XL1       FLAG 2
000006          GRPNAME  DS    CL8       GROUP NAME
00000E          GRPSTATE DS    XL1       GROUP STATUS
        00080   GRPDISAB EQU   X'80'       -  This GROUP is DISABLED
00000F                   DS    XL1       ***  RESERVED  ***
000010          GRPDTN   DS    A         Next in DT39-GP35
000014                   DS    3F        ***  RESERVED  ***
000020          GRPDSEND DS    0F        End of DSECT
        00020   GRPDSLEN EQU   *-GRP     Length of DSECT
```

1.20 #DCEDS

```
                         COPY #DCEDS
                 ************************************************************************
                 ***                                                                  ***
                 *** DCE:   DISPATCH CONTROL ELEMENT DSECT                            ***
                 ***                                                                  ***
                 ************************************************************************

Offset  Value

000000           DCE      DSECT                                                 09/05/00
                          PRINT NOGEN
000000           DCEFWDA  DS    A                    DCE FORWARD CHAIN POINTER.
000004           DCEBCKA  DS    A                    DCE BACKWARD CHAIN POINTER.
000008           DCETCEA  DS    A                    ADDR OF TASK CONTROL ELEMENT.
00000C           DCEECBA  DS    0A                   ADDR OF ECB OR ECB LIST.
00000C           DCEELE   DS    2A                   ECB LIST ELEMENT (SEE #ELEDS).
000014           DCEDPEA  DS    A                    ADDRESS OF DPE CHAIN.
000018           DCEDDMA  DS    A                    ADDR OF DDM               JDM 01/89
00001C           DCECDPE  DS    A                    CURRENT DPE POINTER.
                 *        DS    A                    RESERVED (B-4 DC 2013)    JDM 01/89
000020           DCEOWNR  DS    0F                   OWNED FULLWORD          IDMSDC 2013
000020           DCEOWN0  DS    XL1                  RESERVED DO NOT USE     IDMSDC 2013
000021           DCEOWN1  DS    XL1                  RESERVED DO NOT USE     IDMSDC 2013
                 DCEOWND  #FLAG X'01'                DCE IS CURRENTLY OWNED  IDMSDC 2013
000022           DCEOWN2  DS    XL1                  OWNED FLAG BYTE         IDMSDC 2013
000023           DCEOWN3  DS    XL1                  RESERVED                IDMSDC 2013
000024           DCEPRTY  DS    XL1                  DISPATCHING PRIORITY 0 - 255.
                 *
                 DCERDY   #FLAG X'80'                TASK READY TO RUN, NOT DISPATCHED.
                 DCERUN   #FLAG X'40'                TASK IS CURRENTLY EXECUTING.
                 DCEXTNL  #FLAG X'10'                WAITING ON AT LEAST 1 EXTERNAL ECB.
                 DCENEMB  #FLAG DCERDYM+DCERUNM+DCEXTNLM  TASK CAN'T CAUSE EMBRACE
                 * NOTE: DCERDY, DCERUN AND DCEXTNL ALL HAVE TO BE IN THE SAME BYTE
                 DCEWAIT  #FLAG X'20'                TASK IS DOING SOME KIND OF WAIT.
                 DCELKMD  #FLAG X'08'                TASK WAITING ON A LOCK
                 *                                   . OR A MPMODE
                 DCEHICP  #FLAG X'04'                HICCUP WAIT IN PROGRESS FOR TASK.
                 DCENEWT  #FLAG X'02'                NEW TASK, NOT YET DISPATCHED.
                 DCELIST  #FLAG X'01'                DCEECBA POINTS TO ECBLIST
000025           DCEDCI   DS    XL1                  DISPATCH CONTROL INDICATOR.
                 DCERNBL  #FLAG X'80'                EMBRACE ROUTINE FOUND TASK RUNABLE.
                 DCEAFIN  #FLAG X'40'                TASK REQUIRED SUBTASK AFFINITY
                 DCEQUIT  #FLAG X'20'                SET TO REMOVE TASK FROM SYSTEM
                 DCEDEAD  #FLAG X'10'                COND=DEAD WAIT            JDM 01/89
                 DCECANC  #FLAG X'08'                CANCEL TASK               JDM 01/89
                 DCEALOW  #FLAG X'04'                DCE allow flag          IDMSDC/308
                 *        #FLAG X'02'                RESERVED                    HRH C91
                 * DCEOWND  #FLAG X'01'              DCE IS CURRENTLY OWNED (B-4 DC 2013)
000026           DCEFLAG  DS    XL1                  SECOND FLAG BYTE.
                 ** CAREFUL - THE NEXT BYTE IS ONLY FOR FLAGS SET BY THE TICKER
                 ** SUBTASK.  IT IS IMPORTANT IN AN MP ENVIRONMENT THAT THESE FLAGS
                 ** BE KEPT SEPARATE FROM OTHER FLAGS.  RBK 85/11/29
                 DCETIMR  #FLAG X'80'                TIMER POST TO HANDLE.
000027           DCEFLAG2 DS    XL1                  FLAGS SET BY TICKER SUBTASK
                 DCEWMOD  #FLAG X'04'                DCE waiting for a mode   IDMSDC/308
                 DCEP2Q   #FLAG X'01'                DCE queued by dispatch pass 2
000028           DCEFLAG3 DS    XL1                  Third flag              IDMSDC/308
000029           DCEECODE DS    XL1                  COND=DEAD RETURN CODE     JDM 01/89
00002A           DCEAFFIN DS    H                    SUBTASK AFFINITY VALUE
00002C                    DS    A                    RESERVED                  JDM 01/89
000030           DCEEXECB DS    2F                   EXTENDED ECB USED BY MULTI-TASKING
000038           DCENXTQ  DS    A                    ADDR OF NEXT IN DISPATCH QUEUE
00003C           DCEDSPCT DS    F                    WORK FIELD FOR EMBRACE ROUTINE

Offset  Value

                          PRINT GEN
        00040    DCEDSLEN EQU   ((*-DCE+7)/8)*8     DOUBLE WORD ALIGN
```

1.21 #DCEREQU

```
                    COPY #DCEREQU
              ********************************************************************
              ***   EQU'S  TO DEFINE IDMS-DC DML MINOR ERROR STATUS.           ***
              ********************************************************************

Offset  Value

        00001  ERR01    EQU   1   DEADLOCK.
        00002  ERR02    EQU   2   STORAGE NOT AVAILABLE.
        00003  ERR03    EQU   3   SCRATCH AREA NOT KNOWN.
        00004  ERR04    EQU   4   QUEUE ID NOT KNOWN.
        00005  ERR05    EQU   5   SPECIFIED RECORD NOT FOUND.
        00006  ERR06    EQU   6   QUEUE HAS NO CURRENT RECORD.
        00007  ERR07    EQU   7   I/O ERROR.
        00008  ERR08    EQU   8   RESOURCE NOT AVAILABLE.
        00009  ERR09    EQU   9   RESOURCE WAS AVAILABLE.
        0000A  ERR10    EQU   10  NEW STORAGE HAS BEEN ASSIGNED.
        0000B  ERR11    EQU   11  MAX TASKS CONDITION EXISTS.
        0000C  ERR12    EQU   12  INVALID TASK CODE SPECIFIED.
        0000D  ERR13    EQU   13  RESOURCE NAMED WAS NOT FOUND.
               *              13  REQ'D DMCL CTL BLK NOT FND DURING KEEP LONGTERM 2176
        0000E  ERR14    EQU   14  SINGLED THREADED, ALREADY USED.
        0000F  ERR15    EQU   15  LOAD CONFLICT--CAN'T RELOAD NOW.
        00010  ERR16    EQU   16  SPECIFIED INTERVAL C.E. NOT FOUND.
        00011  ERR17    EQU   17  RECORD WAS REPLACED.
        00012  ERR18    EQU   18  NO PRINTER SUPPORT
        00013  ERR19    EQU   19  AREA TOO SMALL--TRUNCATED.
        00014  ERR20    EQU   20  REQUESTED MODULE IS NOT AVAILABLE.
        00015  ERR21    EQU   21  ADDRESSEE (USERID, LTERMID, DESTID) WAS UNKNOWN.
        00016  ERR22    EQU   22  RECORD EXISTED, REPLACE=NO.
        00017  ERR23    EQU   23  NO STG OR RCE FOR REPLY AREA.
        00018  ERR24    EQU   24  MAX OUTSTANDING REPLIES EXCEEDED.
        00019  ERR25    EQU   25  ATTENTION INTERRUPT RECEIVED.
        0001A  ERR26    EQU   26  LOGICAL I/O ERROR OCCURRED.
        0001B  ERR27    EQU   27  PERMANENT I/O ERROR OCCURRED.
        0001C  ERR28    EQU   28  TERMINAL HAS BEEN DISCONNECTED.
        0001D  ERR29    EQU   29  INVALID FUNCTION FROM COBOL PGM.
        0001E  ERR30    EQU   30  FUNCTION NOT YET IMPLEMENTED.
        0001F  ERR31    EQU   31  INVALID PARAMETER--POSSIBLE LOGIC ERROR IN COBI.
        00020  ERR32    EQU   32  LENGTH SPEC. OF 'TO' OR 'FROM' GAVE NEGATIVE LENG.
        00021  ERR33    EQU   33  TABLE OR MAP NAMED NOT FOUND.
        00022  ERR34    EQU   34  PARAMETER WHICH HAD TO BE 01-LEVEL LINKAGE WASN'T.
        00023  ERR35    EQU   35  LINKAGE SECTION VARIABLE IN USE, CAN'T REASSIGN.
        00024  ERR36    EQU   36  INVALID (UNKNOWN) PROGRAM NAME.
        00025  ERR37    EQU   37  VARIABLE IN WRKING-STG CONFLICTS W OTHER OPRNDS.
        00026  ERR38    EQU   38  LINKAGE SECTION VARIABLE WAS NOT ALLOCATED.
        00027  ERR39    EQU   39  TERMINAL IS OUT OF SERVICE OR CLOSED.
        00028  ERR40    EQU   40  'NOIO' WAS SPECIFIED, BUT NO DATASTREAM WAS FOUND.
        00029  ERR41    EQU   41  'IF' CONDITION BEING TESTED WAS FOUND TO BE TRUE.
        0002A  ERR42    EQU   42  DEVICE IS NOT SUPPORTED BY MAP.
        0002B  ERR43    EQU   43  OPERATOR CANCELLED THE LINE-I/O SESSION.
        0002C  ERR44    EQU   44  DESIGNATED DATA FIELD NOT DEFINED IN MAP.
        0002D  ERR45    EQU   45  INVALID TERMINAL FOR PRINT SCREEN CONTENTS
        0002E  ERR46    EQU   46  TERMINAL ERROR DURING PRINT SCREEN CONTENTS
        0002F  ERR47    EQU   47  KEEP LONGTERM - AREA NOT READY
        00030  ERR48    EQU   48  KEEP LONGTERM - RUN UNIT NOT BOUND
        00031  ERR49    EQU   49  KEEP LONGTERM - NOWAIT WANTED, BUT WAIT WOULD OCCUR
        00032  ERR50    EQU   50  BIND TRANSTAT - STATS NOT VALID
        00033  ERR51    EQU   51  REQUEUE DIRECT PRINT PER OPERATOR REQUEST
               *              51  LOCK MANAGER ERROR DURING KEEP LONGTERM    IDMS/2176
        00034  ERR52    EQU   52  MISSING OR INVALID TABLE
        00035  ERR53    EQU   53  USER ERROR IN USER EDIT ROUTINE
        00036  ERR54    EQU   54  INVALID INTERNAL DATA
```

```
Offset  Value

        00037  ERR55    EQU   55  USER EDIT MODULE NOT FOUND
        00038  ERR56    EQU   56  MOD OR INQ FOR DFLDS, BUT THIS MAP HAS NO DFLDS
        00039  ERR57    EQU   57  SEND TRENDSPOTTER - DATA VALUE OVERFLOW
        0003A  ERR58    EQU   58  MAX CONCURRENT TASKS EXCEEDED
        0003B  ERR59    EQU   59  ERROR XFERRING KEEP LONGTERM RQST TO IDMSKEEP   2176
        0003C  ERR60    EQU   60  KEEP LONGTERM ID IN USE WITH DIFF PAGE GROUP    2176
        0003D  ERR61    EQU   61  KEEP LONGTERM ID IN USE WITH DIFF DBKEY FORMAT  2176
        00060  ERR96    EQU   96  TOO MANY RUN UNITS FOR TABLE--SHD NT OCCUR.
        00061  ERR97    EQU   97  BAD STATUS FROM DBIO--SEE LOG FOR DETAILS.
        00062  ERR98    EQU   98  COBOL EXPANSION OF CALL DIDN'T LOOK LIKE PROTO.
        00063  ERR99    EQU   99  UNEXPECTED INTERNAL RETURN CODE.
```

1.22 #DCPDS

```
                         COPY #DCPDS
                ***********************************************************************
                ***                                                                 ***
                ***           IDMS-DC PAKET FOR BATCH INTERFACE                     ***
                ***                                                                 ***
                ***********************************************************************

Offset  Value

000000          DCP      DSECT                           10:05:50 04/03/87
000000          DCPSRLEN DS    H                   DATA LENGTH TO SEND-RECEIVE
000002                   DS    H
000004          DCPFELEN DS    H                   MAX LEN FRONTEND CAN RECEIVE
000006          DCPBELEN DS    H                   MAX LEN BACKEND CAN RECEIVE
000008          DCPRQLEN DS    H                   REQUEST INCREASED MAX DATA LEN
00000A          DCPTYPE  DS    X                   FUNCTION TYPE
        00001   DCPTYPEI EQU   1                     IDMS (BIND RU, ROLLBACK, FINISH)
        00002   DCPTYPED EQU   2                     DC (GETQUE, COMMIT TASK...)
        00003   DCPTYPER EQU   3                     REQUEST INCREASED DATA LEN
00000B          DCPFNUM  DS    X                   FUNCTION NUMBER
00000C          DCPREG15 DS    F                   SEND/RETURN APPL R15
000010          DCPREG0  DS    F                   SEND/RETURN APPL R0
                *                                  FOR DCPFNUM 27:
                *                                    1 = ROLLBACK TASK
                *                                    2 = ROLLBACK TASK CONTINUE
                *                                    3 = COMMIT TASK
                *                                    4 = COMMIT TASK ALL
                *                                    5 = FINISH TASK
000014          DCPREG1  DS    F                   SEND/RETURN APPL R1
000018          DCPSTAT  DS    CL4                 RETURN APPL SSCSTAT(DB + COBOL)
                *  NOTE THIS IS THE END OF DATA ALWAYS PASSED TO/FROM FRONTEND
                *  AND BACKEND ON SEND-RECEIVE.
000020          DCPDATA  DS    0D                  DATA SPECIFIC TO FUNCTION
        00020   DCPDSLEN EQU   *-DCP               DCP PREFIX LENGTH
                *   DATA AREA FOR BIND RUN UNIT FROM DC BATCH.
000020                   ORG   DCPDATA
000020          DCPSSNAM DS    CL8                 BIND RUN UNIT SUBSCHEMA-NAME
000028          DCPPNAME DS    CL8                 BIND RUN UNIT SSCPNAME
000030          DCPNDNAM DS    CL8                 BIND RUN UNIT NODE NAME
000038          DCPDBNAM DS    CL8                 BIND RUN UNIT DB NAME
000040          DCPDCNOD DS    CL8                 BIND RUN UNIT DICTNODE
000048          DCPDCNAM DS    CL8                 BIND RUN UNIT DICTNAME
        00050   DCPLNB59 EQU   *-DCP               BIND RUN UNIT SEND LENGTH
                *  DATA AREAS FOR DC QUEUE ACCESS FROM BATCH
000050                   ORG   DCPDATA
000020          DCPQUNAM DS    CL16                QUEUE NAME.
000030          DCPQURID DS    CL4                 QUEUE RECORD ID.
000034          DCPQULEN DS    2F                  RECORD LENGTH (AND RETURN LEN).
00003C          DCPQURET DS    XL1                 QUEUE RETENTION PERIOD
00003D          DCPQUFLG DS    2XL1                FLAG BYTES.
000040                   DS    H                   RESERVED.
000048          DCPQUDAT DS    0D                  START OF QUEUE DATA AREA.
        00048   DCPLNQU  EQU   *-DCP               LENGTH OF HEADER FOR QUEUE DATA.
                *  DATA AREAS FOR RHDCCURS CALLS FROM BATCH (INITIALLY BY BATCH ADS)
000048                   ORG   DCPDATA
000020          DCPCRERE DS    A             ADDR OF TARGET CV RU'S ERE
000024          DCPCRID  DS    CL16          CURRENCY BLOCK ID
                * REQUEST FLAGS COPIED FROM RHDCCURS
                DCPSAVE  #FLAG X'01'               REQUEST IS TO SAVE CURRENCIES.
000034          DCPSAVEI DS    0XL1
        00001   DCPSAVEM EQU   X'01'
```

```
               DCPREST  #FLAG X'02'               REQUEST IS TO RESTORE CURRENCIES.
000034         DCPRESTI DS    0XL1
        00002  DCPRESTM EQU   X'02'
               DCPRELS  #FLAG X'04'               REQUEST IS TO RELEASE CURRENCIES.
000034         DCPRELSI DS    0XL1
        00004  DCPRELSM EQU   X'04'
               DCPRLOC  #FLAG X'08'               USE RELOCATABLE STORAGE FOR CURH.
000034         DCPRLOCI DS    0XL1
        00008  DCPRLOCM EQU   X'08'
               DCPLOCL  #FLAG X'10'         LOCAL-MODE CALL (NOT CV/DC)
000034         DCPLOCLI DS    0XL1
        00010  DCPLOCLM EQU   X'10'
000034         DCPCRFLG DS    C             REQUEST FLAG
        00035  DCPCRLEN EQU   *-DCP         LENGTH OF CURS PARM AREA
               *  DATA AREAS FOR DC WRITE PRINTER FROM BATCH
000035                  ORG   DCPDATA
000020         DCPPRNAM DS    CL16                RETURNED REPORT NAME
000030                  ORG   DCPPRNAM
               *  THE ORDER OF THE FOLLOWING FIELDS MUCH MATCH #RRBDS DSECT
000020         DCPPRB   DS    0F                  PRINT REQUEST BLOCK
000020         DCPPRRID DS    XL1                 REPORT ID
000021         DCPPROPT DS    XL1                 OPTIONS
000022         DCPPRLEN DS    H                   PRINT LINE LENGTH
000024         DCPPRCND DS    XL1                 CONDITIONS
000025         DCPPRCLS DS    XL1                 PRINT CLASS
000026         DCPPRBUF DS    H                   PRINT BUFFER SIZE
000028         DCPPRCOP DS    XL1                 NUMBER OF COPIES
000029         DCPPRDES DS    CL8                 DESTINATION NAME
000031         DCPPRJOB DS    CL8                 JOB NAME FOR RPE
000039         DCPPROP2 DS    XL1                 OPTIONS FOR PRINT DIRECT
00003A                  DS    H                   RESERVED
00003C         DCPPRECB DS    A                   PRINT DIRECT ECB ADDR
        00020  DCPPRBLN EQU   *-DCPPRB            LENGTH OF PRINT REQUEST BLOCK
               *
000040         DCPPRDAT DS    0C                  START OF REPORT DATA AREA
        00040  DCPLNPR  EQU   *-DCP               LENGTH OF HEADER FOR WRITE PRINTER
```

1.23 #DDEDS

```
                         COPY #DDEDS
                ********************************************************************
                ***                                                              ***
                *** DDE:   DESTINATION DEFINITION ELEMENT DSECT.                 ***
                ***                                                              ***
                ********************************************************************

Offset  Value

                         PRINT NOGEN
000000          DDE      DSECT                           08:09:05 01/22/87
000000          DDEDSTID DS    CL8                 DESTINATION IDENTIFICATION.
000008          DDEDBKEY DS    CL4                 DBKEY OF OWNER.
00000C          DDEMEMCT DS    H                   NUMBER OF MEMBERS IN DESTINATION.
                DDETERM  #FLAG X'80'               DESTINATION IS LTERM.
                DDEUSER  #FLAG X'40'               DESTINATION IS USER.
                DDEOUTS  #FLAG X'20'               DESTINATION OUT OF SERVICE.
                DDEPRNT  #FLAG X'10'               DESTINATION IS PRINTER
                DDERPQD  #FLAG X'08'               REPORT(S) QUEUED FOR THIS DEST
                DDESWQD  #FLAG X'08'               SWITCH REQ QUEUED FOR THIS DEST
                DDESWIT  #FLAG X'04'               DESTINATION IS SWITCH
00000E          DDEFLAG1 DS    X                   FLAG BYTE 1.
                DDESWQU  #FLAG X'80'               SWITCH MESSAGES PUT OUT TO QUEUE
                DDESWMU  #FLAG X'40'               MULTIPLE SWITCH MESSAGES ALLOWED
                DDELTEO  #FLAG X'20'               ALL LTE/PTE'S FOR DEST ARE DEAD
00000F          DDEFLAG2 DS    X                   RESERVED.
000010          DDERPEQ  DS    A                   ANCHOR OF PRINT REPORT QUEUE
000014                   ORG   DDERPEQ
000010          DDESWQ   DS    A                   ANCHOR OF SWITCH QUEUE ELEMENT
000014                   DS    A                   RESERVED.
        00018   DDEDSLEN EQU   ((*-DDE+3)/4)*4     LENGTH OF DSECT
                         PRINT GEN
```

1.24 #DDTDS

```
                         COPY #DDTDS
                 ***********************************************************************
                 ***                                                                 ***
                 *** DDT:   DESTINATION DEFINITION TABLE DSECT.                      ***
                 ***                                                                 ***
                 ***********************************************************************

Offset  Value

                         PRINT NOGEN
000000           DDT     DSECT                           11:27:25 MAY  26, 1979
000000           DDTN    DS    H                   NUMBER OF ENTRIES IN TABLE.
000002           DDTELEN DS    H                   LENGTH IN BYTES OF ONE ENTRY.
000004           DDTKEYOF DS   H                   OFFSET IN BYTES OF KEY IN ENTRY.
000006           DDTKEYL DS    XL1                 LENGTH OF KEY IN BYTES.
                 *
                 DDTNDX  #FLAG X'80'               TABLE IS INDEXED.
                 DDTLIN  #FLAG X'40'               TABLE TO BE SEARCHED LINEARLY.
                 DDTBIN  #FLAG X'20'               TABLE TO BE SEARCHED BINARILY.
                 DDTHASH #FLAG X'10'               TABLE IS HASHED.
000007           DDTFLAG DS    XL1                 FLAGBYTE.
                 *
000008           DDTSTART DS   A                   POINTER TO START OF TABLE.
00000C           DDTTBLEN DS   A                   LNGTH OF ENTIRE DDT AREA
         00010   DDTDSLEN EQU  ((*-DDT+3)/4)*4     LENGTH OF DSECT.
                         PRINT GEN
```

1.25 #DEADS

```
                         COPY #DEADS
                ******************************************************************
                ***   DEA   DIRECTORY ENTRY AREA, FOR USE WITH THE BLDL AND      ***
                ***   LOAD IN RHDCOS01.                                          ***
                ******************************************************************

Offset  Value

000000          DEA      DSECT                          12:59:04 08/26/85   08/23/93
000000          DEAEPOFF DS    F                   OFFSET TO ENTRY POINT.
000004          DEATLEN  DS    F                   LENGTH OF MODULE.
000008          DEATA    DS    A                   ADDRESS OF MODULE.
                DEAA31   #FLAG X'02'               AMODE = 31 FLAG
00000C          DEAA31I  DS    0XL1
        00002   DEAA31M  EQU   X'02'
                DEAAANY  #FLAG X'03'               AMODE = ANY FLAG
00000C          DEAAANYI DS    0XL1
        00003   DEAAANYM EQU   X'03'
00000C          DEAAMODE DS    CL1                 AMODE.
                DEARANY  #FLAG X'10'               RMODE = ANY FLAG
00000D          DEARANYI DS    0XL1
        00010   DEARANYM EQU   X'10'
00000D          DEARMODE DS    CL1                 RMODE.
00000E          DEAATT1  DS    CL1                 MODULE ATTRIBUTE BYTE 1.
                DEALPA   #FLAG X'80'               LINK PACK AREA.
00000F          DEALPAI  DS    0XL1
        00080   DEALPAM  EQU   X'80'
                DEACMSM  #FLAG X'40'               CMS MODULE CREATED VIA GENMOD
00000F          DEACMSMI DS    0XL1
        00040   DEACMSMM EQU   X'40'
00000F                   DS    X'00'
000010          DEAOPSYS DS    20F                 OPERATING SYSTEM DEPENDENT AREA.
000060                   ORG   DEA+X'34'
                DEAPSCT  #FLAG X'04'
000034          DEAPSCTI DS    0XL1
        00004   DEAPSCTM EQU   X'04'
                DEADYNM  #FLAG X'02'
000034          DEADYNMI DS    0XL1
        00002   DEADYNMM EQU   X'02'
000034          DEAATT2  DS    CL1                 MSP ATTRIBUTE2 BYTE
000035                   ORG
        00060   DEADSLEN EQU   *-DEA               LENGTH OF DSECT.
```

1.26 #DITDS

```
                        COPY #DITDS

Offset  Value

000000          DIT     DSECT                           17:49:36 04/01/85
                        PRINT NOGEN
                ***
                ***     DEVICE INDEPENDENCE TABLE
                ***        - USED FOR TRANSLATION OF 3270 DATA STREAMS TO TTY
                ***          DATA STREAMS AND VICE VERSA.
                ***
000000                  DS    0F
000000          DITPREF DS    CL5 $TTY@'              TABLE NAME PREFIX
000005          DITNAME DS    CL3                     TABLE NAME SUFFIX
000008          DITROW  DS    H                       SCREEN HAS MAX OF 24 ROWS
00000A          DITCOL  DS    H                       SCREEN HAS MAX OF 80 COLUMNS
00000C          DITSCR  DS    H                       SIZE OF SCRATCH RECORD 500
00000E          DITBUFL DS    H                       SIZE OF INBOUND TTY BUFFER
000010          DITHMRW DS    X                       HOME ROW
000011          DITHMCL DS    X                       HOME COLUMN
000014                  DS    2F                      RESERVED
00001C          DITCPOS DS    CL80                    PLACE CURSOR TR TABLE
        0006C   DITFLEN EQU   *-DITPREF               LENGTH OF FIXED TABLE
                DITKYBD #FLAG X'80'                   KEYBOARD LOGIC NEEDED
                DITASKI #FLAG X'40'                   ASKII CONTROL CHARS
                DITPROW #FLAG X'20'                   ROW DELIMIT PROTOCOL
                DITPCOL #FLAG X'10'                   COLUMN DELIMIT PROTOCOL
                DITDEC  #FLAG X'08'                   ROW/COL ARE DECIMAL
00006C          DITFLAG1 DS   X                       FLAG BYTE 1
00006D                  DS    3X                      RESERVED
        00070   DITFLEN1 EQU  *-DITPREF               LENGTH OF FIXED TABLE & FLAGS
                ***
                ***     FOLLOWING FIELDS ARE VARIABLE IN LENGTH.  EACH FIELD HAS
                ***     AN ENTRY WHICH IS AN OFFSET TO IT'S VALUE.  THE VALUES
                ***     ARE STORED IN A TEXT POOL.  EACH ENTRY IN THE TEXT POOL
                ***     CONSISTS OF A ONE BYTE LENGTH FOLLOWED BY THE VALUE.
                ***
000070          DITSUPF DS    H                       START UNPROTECTED FIELD
000072          DITSPRF DS    H                       START BLANK PROTECTED FIELD
000074          DITFERR DS    H                       MARK FIELD IN ERROR
000076          DITDELM DS    H                       DELIMITED FIELD
000078          DITALRM DS    H                       RING ALARM
00007A          DITUNLK DS    H                       UNLOCK KEYBOARD
00007C          DITCTHM DS    H                       CONTROL HOME
00007E          DITUPLN DS    H                       UPLINE CONTROL SEQUENCE
000080          DITDNLN DS    H                       DOWNLINE CONTROL SEQUENCE
000082          DITFRSP DS    H                       FORESPACE CONTROL SEQUENCE
000084          DITBKSP DS    H                       BACKSPACE CONTROL SEQUENCE
000086          DITESC  DS    H                       ESCAPE CONTROL SEQUENCE
000088          DITPCUR DS    H                       PROTOCOL TO PLACE CURSOR
00008A          DITPCLR DS    H                       PROTOCOL TO CLEAR SCREEN
00008C          DITROWD DS    H                       PROTOCOL TO DELIMIT ROW
00008E          DITCOLD DS    H                       PROTOCOL TO DELIMIT COLUMN
000090          DITAIDS DS    0H                      AID BYTE TABLE OFFSETS
000090          DITCLEAR DS   H                       TTY CLEAR KEY
000092          DITRTURN DS   H                       TTY ENTER KEY (RETURN)
000094          DITCTL1 DS    H                       TTY PF01
000096          DITCTL2 DS    H                       TTY PF02
000098          DITCTL3 DS    H                       TTY PF03
00009A          DITCTL4 DS    H                       TTY PF04
00009C          DITCTL5 DS    H                       TTY PF05
00009E          DITCTL6 DS    H                       TTY PF06
```

```
0000A0         DITCTL7  DS    H                      TTY PF07
0000A2         DITCTL8  DS    H                      TTY PF08
0000A4         DITCTL9  DS    H                      TTY PF09
0000A6         DITCTLA  DS    H                      TTY PF10
0000A8         DITCTLB  DS    H                      TTY PF11
0000AA         DITCTLC  DS    H                      TTY PF12
0000AC         DITCTLD  DS    H                      TTY PA01
0000AE         DITCTLE  DS    H                      TTY PA02
0000B0         DITCTLF  DS    H                      TTY PA03
0000B2         DITCTLG  DS    H                      TTY PF13
0000B4         DITCTLH  DS    H                      TTY PF14
0000B6         DITCTLI  DS    H                      TTY PF15
0000B8         DITCTLJ  DS    H                      TTY PF16
0000BA         DITCTLK  DS    H                      TTY PF17
0000BC         DITCTLL  DS    H                      TTY PF18
0000BE         DITCTLM  DS    H                      TTY PF19
0000C0         DITCTLN  DS    H                      TTY PF20
0000C2         DITCTLO  DS    H                      TTY PF21
0000C4         DITCTLP  DS    H                      TTY PF22
0000C6         DITCTLQ  DS    H                      TTY PF23
0000C8         DITCTLR  DS    H                      TTY PF24
        0001D  DITAIDLN EQU   (*-DITAIDS)/2          AID TABLE ENTRIES COUNT
        000CA  DITLEN   EQU   *-DITPREF              LENGTH OF TABLE - TEXT POOL
0000CA         DITTEXT  DS    0X                     START OF THE TEXT POOL
                        PRINT GEN
```

1.27 #DMCDS

```
                         #DMCLDS TYPE=DMCDS
                 ********************************************************************
                 *       DM58 (DMCL) runtime DMCL control block            04/26/99 *
                 ********************************************************************

Offset  Value

000000          DMC      DSECT
000000          DMC58    DS    CL4       'DM58'
000004          DMCFLAG1 DS    XL1       flag 1
        00080   DMCDADON EQU   X'80'       -  DAD feature is active
        00040   DMCLOCAL EQU   X'40'       -  this DMCL is for LOCAL mode only
        00020   DMCSTRT  EQU   X'20'       -  CA/IDMS:DB is starting up
        00010   DMCNOJNL EQU   X'10'       -  Local mode journalling not active
        00008   DMCVARYA EQU   X'08'       -  a DCMT VARY DMCL NEW COPY in progress
        00004   DMCMIOFF EQU   X'04'       -  MIO feature is not to be used
        00002   DMCMIOTR EQU   X'02'       -  MIO Tracing turned on
        00001   DMCNOMIO EQU   X'01'       -  MIO feature Not-Allowed
000005          DMCFLAG2 DS    XL1       flag 2
        00080   DMCVARYS EQU   X'80'       -  a DCMT VARY DMCL NEW COPY was issued
        00001   DMCDSHR  EQU   X'01'       -  Data Sharing is active              15.0
        00002   DMCCLOA  EQU   X'02'       -  DS on connectivity loss abend       15.0
000006          DMCNAME  DS    CL8       DMCL name
00000E          DMCDTIME DS    XL8       DATETIME Last Critical Change
000016          DMCDMVER DS    CL4       release level
00001A          DMCOPSYS DS    CL6       OPSYS i.d.
000020                   DS    H         ***  reserved  ***
000022          DMCBC#   DS    H         highest numbered BCR
000024          DMCINDEX DS    0XL(9*12) table indexes
000024          DMCIXPR1 DS    XL12      PR60 index (sorted by PAGE RANGE)
000030          DMCIXPR2 DS    XL12      PR60 index (sorted by AREA name)
00003C          DMCIXFC  DS    XL12      FC59 index (sorted by FILE name)
000048          DMCIXSG  DS    XL12      SG49 index (sorted by SEGMENT name)
000054          DMCIXBC  DS    XL12      BC53 index (sorted by BUFFER name)
000060          DMCIXJD  DS    XL12      JD62 index (sorted by JOURNAL name)
00006C          DMCIXJB  DS    XL12      JB63 index (sorted by JOURNAL BUFFER name)
000078          DMCIXFM1 DS    XL12      FM61 index (sorted by AREA + PAGE RANGE)
000084          DMCIXFM2 DS    XL12      FM61 index (sorted by FILE + RBN RANGE)
        00009   DMCINDXL EQU   (*-DMCINDEX)/12   number of indexes
000090          DMCBCN   DS    A         next in DM58-BC53
000094          DMCJBN   DS    A         next in DM58-JB63
000098          DMCJCN   DS    A         next in DM58-JD62
00009C          DMCSGN   DS    A         next in DM58-SG49
0000A0          DMCPRN   DS    A         next in DM58-PR60
0000A4          DMCSYN   DS    A         next in DM58-SY40
0000A8          DMCFCN   DS    A         next in DM58-FC59
0000AC          DMCFMN   DS    A         next in DM58-FM61
0000B0          DMCJCC   DS    A         current JCB we are writing to
0000B4          DMCJSQ64 DS    F         JOURNAL RECORD sequence num bits 33-64
0000B8          DMCJTSEQ DS    F         JOURNAL RECORD sequence num bits 1-32
0000BC          DMCJTRBN DS    F         next relative block number of DISK JOURNAL
0000C0          DMCSLRBN DS    F         LO RBN of DISK JOURNAL segment
0000C4          DMCSHRBN DS    F         HI RBN of DISK JOURNAL segment
0000C8          DMCLEN   DS    F         length of DMCL tables
0000CC          DMCRUID  DS    F         last used R/U id
0000D0          DMCQUIES DS    F         BGIN/ENDJ quiesce level count
0000D4          DMCRUQS  DS    F         actual RUN UNIT quiesce level
0000D8          DMCNOTX  DS    H         number of txns active thru this DMCL
0000DA          DMCJNORU DS    H         nbr of RU'S JSEG record can hold
0000DC          DMCRPLST DS    F         addr of RPL list
        000DC   DMCBS2KA EQU   DMCRPLST  addr of BS2000 FECBLIST table
0000E0          DMCBECBA DS    F         addr of ECBS for BUFFER pools
0000E4          DMCBITL  DS    0A          **Seems to be unreferenced.
```

```
Offset  Value

0000E4          DMCBCRA  DS    A           Address of ACTIVE BCR address list
0000E8          DMCBITA  DS    0A          **Seems to be unreferenced.
0000E8          DMCBCRAC DS    A           Address of ACTIVE BCR bit list
0000EC          DMCBUFMX DS    0F          **Seems to be unreferenced.
0000EC          DMCBCRLN DS    F           Size of DMCBCRAC.
0000F0          DMCBITF  DS    F           Size of largest BPCBITF.
0000F4          DMCTRTA  DS    A         translate table
0000F8          DMCFSTA  DS    F         address of global FST storage
0000FC          DMCUSR   DS    F         addr of user global STG anchor (duplexing)
000100          DMCBIT2  DS    F           **Seems to be unreferenced.
000104          DMCCSIZE DS    F         DMCL compile size
000108          DMCRSIZE DS    F         DMCL runtime size
00010C          DMCJTIME DS    2F        Journal time stamp maintained by DBIO
000114          DMCFC#   DS    H         temp
000116          DMCQUIS# DS    H         Number of DCMT QUIESCE AREA that are running
000118          DMCDBTBA DS    A         address of DBNAME table
00011C          DMCDBT   DS    CL8       DBNAME Table Name
000124          DMCVELA  DS    A         address of IDMS VSAM exit list
000128          DMCNVELA DS    A         address of NATIVE VSAM exit list
00012C          DMCDBCN  DS    A         next in DM58-BC53 dead block list
000130          DMCDSGN  DS    A         next in DM58-SG49 dead block list
000134          DMCDPRN  DS    A         next in DM58-PR60 dead block list
000138          DMCDFCN  DS    A         next in DM58-FC59 dead block list
00013C          DMCDCMSG DS    A         address of PR60 for SYSMSG.DDLDCMSG
000140          DMCCDATE DS    XL8       DATETIME Created
000148          DMCUDATE DS    XL8       DATETIME Last Updated
000150          DMCCACHE DS    CL16      Default SHARED CACHE name                15.0
000160          DMC#LOCK DS    F         Data Sharing Lock Entries                15.0
000164          DMC#MEM  DS    X         Data Sharing Members                     15.0
000165                   DS    XL3       *unused *                                15.0
000168          DMCQUAL  DS    XL8       Transaction ID Qualifer                  15.0
000170          DMC#VUP  DS    F         # of VARY AREA UPDATEs issued           $R150
000174                   DS    9F        reserved
000198          DMCEND   DS    0F        end of DSECT
        00198   DMCDSLEN EQU   *-DMC     length of DSECT
```

1.28 #DPRDS

```
                         #DMCLDS TYPE=DPRDS
                 ********************************************************************
                 *       DPR (PHYSICAL AREA) runtime DMCL control block    04/26/99 *
                 ********************************************************************

Offset  Value

000000           DPR      DSECT
000000           DPR60    DS    CL4       'PR60'
000004           DPRFLAG1 DS    XL1       flag 1
        00080    DPRWMST  EQU   X'80'       -  warmstart using this DPR
        00040    DPRJHDA  EQU   X'40'       -  find this AREA in the JHDA
        00020    DPRRELA  EQU   X'20'       -  Relational Area
        00010    DPRNTWK  EQU   X'10'       -  Network Area
        00008    DPRSHARE EQU   X'08'       -  Area can be shared by multiple CVs.
                 *                             (All files are cached and data
                 *                              sharing active)
        00004    DPRICVI  EQU   X'04'       -  Inter-CV-interest in area.
                 *                             (At least one update CV and another
                 *                              update or non-transient-retrieval CV)
        00002    DPRTLOCK EQU   X'02'       -  doing TABLE locking (stamping)
        00001    DPRALOCK EQU   X'01'       -  doing AREA locking (stamping)
000005           DPRFLAG2 DS    XL1       flag 2
        00080    DPR1TO1  EQU   X'80'       -  AREA maps 1-to-1 to FILE
        00040    DPRGDOWN EQU   X'40'       -  Global locks should be downgraded
        00020    DPRQUIS  EQU   X'20'       -  Area quiesced (DCMT QUIESCE AREA)
        00010    DPRDSHAR EQU   X'10'       -  Area defined as SHARED in DMCL definition
        00008    DPRDROP  EQU   X'08'       -  VARY DMCL detected DROPPED AREA
        00004    DPRNEW   EQU   X'04'       -  VARY DMCL detected NEW AREA
        00002    DPRVARY  EQU   X'02'       -  VARY DMCL caused this PR60 to VARY
        00001    DPRDEAD  EQU   X'01'       -  VARY DMCL made this PR60 DEAD
000006           DPRNAME  DS    CL27      PHYSICAL AREA name
000021           DPRDTIME DS    CL8       DATETIME stamp
000029           DPRJSTAT DS    XL1       JOURNAL status for AREA
00002A           DPRPINDX DS    0XL10     sort key for page range index
00002A           DPRPGRUP DS    H         PAGE GROUP identifier for AREA
00002C           DPRLOPG  DS    F         LOW page number of AREA
000030           DPRHIPG  DS    F         HIGH page number of AREA
000034           DPRDBKFM DS    F         DBKEY format associated with this AREA
000038           DPRATYP  DS    H         AREA type
        00039    DPRATYPI EQU   *-1       Byte-sized Area type
        00000    DPRATYNI EQU   0           0=NATIVE IDMS
        00001    DPRATYVK EQU   1           1=NATIVE VSAM KSDS
        00002    DPRATYVE EQU   2           2=NATIVE VSAM ESDS
        00003    DPRATYVR EQU   3           3=NATIVE VSAM RRDS
        00004    DPRATYXT EQU   4           4=IDMS EXTENT (obsolete)
00003A           DPRRSRV  DS    H         page reserve for the AREA
00003C           DPRSPMI  DS    F         AREA space management interval
000040           DPRDMN   DS    A         next in DM58-PR60
000044           DPRFMN   DS    A         next in PR60-FM61
000048           DPRSYN   DS    A         next in PR60-SY40
00004C           DPRSGO   DS    A         owner SG49
000050           DPRSGN   DS    A         next in SG49-PR60
000054           DPRRDPGA DS    A         address of the RDPG DSECT
000058           DPRFLAG3 DS    XL1       flag 3
        00080    DPRVAL1  EQU   X'80'       -  This PR60 passed AREA validation phase
        00040    DPRVAL2  EQU   X'40'       -  This PR60 passed POST validation phase
        00020    DPRFAIL  EQU   X'20'       -  This PR60 failed AREA or POST validation
        00010    DPRRECOV EQU   X'10'       -  This PR60 is unrecovered during STARTUP
        00008    DPRMICVI EQU   X'08'       -  This PR60 is entering into I-CV-I state
000059           DPRFLAG4 DS    XL1       flag 4
        00080    DPRPERM  EQU   X'80'       -  DPRCURST is permanent across shutdown.
        00040    DPRFCACH EQU   X'40'       -  Warmstart - flush cache 1st time sw.
```

```
Offset  Value

00005A          DPR#VUP  DS    X         # of times area varied UPDATE
00005B          DPRLOKST DS    X         Status used for recovery locks
00005C          DPRFM61# DS    H         Number of FM61's for this PR60
00005E          DPRSNAME DS    CL8       AREA'S SCHEMA name
000066          DPRSVERS DS    H         AREA'S SCHEMA version
000068          DPRFLAG  DS    0F        AREA init flag
000068          DPRVARN  DS    F         next in VARY AREA list
00006C          DPRACN   DS    A         next of PR60-AC56
000070          DPRACP   DS    A         prior of PR60/AC56
000074          DPROPST  DS    XL1       status of AREA from DBMS's point of view
000075          DPRCURST DS    XL1       current status of AREA
        00000   DPRARNUL EQU   0           AREA not in use
        00001   DPRAROFL EQU   1           AREA is OFFLINE to current task
        00002   DPRARTRT EQU   2           AREA in use in TRANSIENT RETRIEVAL mode
        00003   DPRARRET EQU   3           AREA in use in RETRIEVAL mode
        00004   DPRARUPD EQU   4           AREA in use in UPDATE mode
        00080   DPRARFIN EQU   X'80'       request to alter status satisfied by INTD
000076          DPRVSTA  DS    XL1       VARY AREA status
000077          DPRFLG1  DS    XL1       AREA flags
        00080   DPRINIT  EQU   X'80'       set during startup, JOURNAL initialization
        00040   DPRPURG  EQU   X'40'       AREA purge, stop I/O to AREA
        00020   DPRDEFR  EQU   X'20'       defer sending MESSAGE about AREA
        00010   DPRPASS  EQU   X'10'       pass this AREA once
        00008   DPRSTOP  EQU   X'08'       stop UPDATE access to the AREA
        00004   DPRSTPR  EQU   X'04'       stop RETRIEVAL access to the AREA
        00002   DPRQUES  EQU   X'02'       DCMT VARY quiesce AREA
        00001   DPRLOADA EQU   X'01'       this is a DDLDCLOD area or a DDLCATLOD area
000078          DPRECBA  DS    F         addr of ECB and AREA lock counts
00007C          DPRFMC   DS    A         IDMSBLDR current FM61 (used only at startup)
000080          DPRSYC   DS    A         IDMSBLDR current SY40 (used only at startup)
000084          DPRSTECB DS    3F        internal ECB to WAIT for AREA availability
000090          DPRSTAWT DS    F         number of WAITERS on DPRSTECB
000094          DPRSTDCE DS    A         DCE address of DB VARY TASK
000098          DPRMSGN  DS    A         address of next MESSAGE in RESOURCE list
00009C          DPRMSGA  DS    A         address of active MESSAGE
0000A0          DPRKNTFY DS    F         count of DBKEYS in AREA needing notification
0000A4          DPRXNTFY DS    F         count of external notify locks
0000A8                   DS    2F        *** available ***
0000B0          DPRSTXCB DS    2F        external ECB
0000B8          DPRALCNT DS    H         AREA lock count
0000BA                   DS    H         ***  RESERVED  ***
0000BC          DPRSTUP  DS    XL1       flags used for STARTUP
        00080   DPRSCUR  EQU   X'80'       maintain current status
        00040   DPRSRET  EQU   X'40'       set to RETRIEVAL
        00020   DPRSTRT  EQU   X'20'       set to TRANSIENT RETRIEVAL
        00010   DPRSUPD  EQU   X'10'       set to UPDATE
        00008   DPRSOFF  EQU   X'08'       set to OFFLINE
0000BD          DPRWARM  DS    XL1       flags used for WARMSTART
        00080   DPRWCUR  EQU   X'80'       maintain current status
        00040   DPRWRET  EQU   X'40'       reset to RETRIEVAL
        00020   DPRWTRT  EQU   X'20'       reset to TRANSIENT RETRIEVAL
        00010   DPRWUPD  EQU   X'10'       reset to UPDATE
        00008   DPRWOFF  EQU   X'08'       reset to OFFLINE
0000BE          DPRFLAGD DS    XL1       default SYSTEM unique AREA flags
        00080   DPRDCLOG EQU   X'80'       -  on if this is default DDLDCLOG area
        00040   DPRDCRUN EQU   X'40'       -  on if this is default DDLDCRUN area
        00020   DPRDCSCR EQU   X'20'       -  on if this is default DDLDCSCR area
        00010   DPROCSCR EQU   X'10'       -  on if this is default DDLOCSCR area
        00008   DPRSEC   EQU   X'08'       -  on if this is default DDLSEC area
0000BF          DPRNCRIT DS    XL1       DCMT VARY DMCL non critical changes
        00080   DPRNCRI1 EQU   X'80'       -  on if area's PAGE RESERVE changed
0000C0          DPRRCVY# DS    F         Highest recovery txn # holding area lock
        000C4   DPRK2FLD EQU   *         D2S2 work fields
0000C4          DPRK2TBH DS    XL16      D2S2 index (sorted by table record i.d.)
0000D4          DPRD2S2  DS    XL8       K0 D2S2
0000DC          DPRK0DBK DS    F         K0 DBKEY
```

```
Offset  Value

0000E0          DPRKBUFA DS    A         Address of K2 cache buffer address
0000E4          DPRKBUFC DS    A         Address of K2 cache current pointer
0000E8          DPRKBUFL DS    A         Address of K2 cache upper limit address
0000EC          DPRTRNX  DS    A         Address on the next trace entry
0000F0          DPRTRST  DS    A         Address on the first trace entry
0000F4          DPRTRND  DS    A         Address on the last trace entry
0000F8                   DS    2F        ***  not used  ***
        0003C   DPRK2LEN EQU   *-DPRK2FLD  Length of D2S2 work fields
000100          DPRLOCK1 DS    F         MP lock - locks DPRK2FLD processing
000104          DPRLNAME DS    CL18      LOGICAL AREA name (SUBSCHEMA AREA name)
000116          DPRQUIS# DS    H         Number of DCMT QUIESCE AREAs in progress
000118          DPRQECB  DS    3F        internal ECB to WAIT for AREA QUIESCED
000124          DPREND   DS    0F        end of DSECT
        00124   DPRDSLEN EQU   *-DPR     length of DSECT
```

1.29 #DSICB

```
                         COPY #DSICB
                **================================================================**
                *                                                                  *
                *                 DSI Client/Server Control Block                  *
                *                     and related structures                       *
                *                                                                  *
                *   Note: This thing must be kept in reasonable sync with          *
                *         SQDSICB.H used by SQL Client                             *
                *                                                                  *
                *                                                                  *
                **================================================================**

Offset  Value

000000          DSICB    DSECT
                *
                *   Fields used by both Client and Server:
                *
000000          DSIAID   DS    CL4                 Eyecatcher.
        2C9C2   DSIBRAND EQU   C'DSIB'
                *
000004          DSICBANC DS    A                   Backpointer to Client-dependent
                *                                                   DSICB anchor word.
000008          DSISVCT  DS    FL1                 Current use of this cb:
        00001   DSIT#SQL EQU   1                      SQL
        00002   DSIT#DML EQU   2                      Native DML
        00003   DSIT#DC  EQU   3                      DC function
                *
000009          DSIDMLV  DS    FL1                 Native DML verb#.
                *
00000A          DSIDCVEC DS   0H                   DC b/e CSA(+)|NVT(-) vector
                *
00000A          DSISVCF  DS    H                   SQL function code:
        00001   DSIF#IS  EQU   1                      Install SQL statement
        00002   DSIF#XQ  EQU   2                      Execute SQL
        00002   DSIF#MAX EQU   2                      Highest defined.
                *
00000C          DSIIPL   DS    XL4                 Input parm list descriptor
000010          DSIOPL   DS    XL4                 Output parm list descriptor
                *
000014          DSIPROF  DS    X                   Client/server machine info:
        00080   DSIP#TMG EQU   X'80'                  TMGR issued disconnect
        00040   DSIP#NFR EQU   X'40'                  DSICB not to be freed by DCLI
        00020   DSIP#LTR EQU   X'20'                  b/e has acquired LT resources
        00010   DSIP#SUB EQU   X'10'                  subordinate session
        00001   DSIP#LCL EQU   X'01'                  local processing
        00002   DSIP#HET EQU   X'02'                  heterogeneous processing
        00004   DSIP#EXC EQU   X'04'                  explicit connect
        00008   DSIP#GRP EQU   X'08'                  group connect
                *
000015          DSIRNF   DS    X                   Runtime info from Server:
        00001   DSIR#XND EQU   X'01'                  Txn just ended
        00002   DSIR#XBG EQU   X'02'                  Txn just begun
        00004   DSIR#SND EQU   X'04'                  Session just ended
        00010   DSIR#SFL EQU   X'10'                  Session failed
        00040   DSIR#SUS EQU   X'40'                  Session suspended
        00080   DSIR#ERU EQU   X'80'                  nDML run-unit ended
                *                                  Runtime info from Client:
        00008   DSIR#SVP EQU   X'08'                  Set savepoint on next request
                *
                *                                  If Local Client/Server:
000016          DSIUPL#  DS    H                      # parms in user's plist.
000018          DSIUPLA  DS    A                      -->user's plist.
```

```
Offset  Value

                *
                *                                   If DC function:
00001C          DSIDCRBL DS   0F                       sizeof(ReplyBuff) (c->s)
00001C          DSIDCR15 DS    F                       function R15 r/c  (s->c)
000020          DSIDCR0  DS    F                                 R0      (c<->s)
000024          DSIDCR1  DS    F                                 R1      (c<->s)
                *
000028          DSISVCO  DS    FL1                 Origin of DSICB:
                *                                  (DSIT#xxx)
000029          DSISTXS  DS    X                   Default txn mode
                *
00002A                   DS    XL2                 -vacant-
                *
00002C          DSICVER  DS    H                   Client's code version
00002E          DSISVER  DS    H                   Server's code version
        00001   DSIV#01  EQU   1                    SQL:auto resume, piggyback suspend
                *                                   NDL:14.1 page-info present
        00002   DSIV#02  EQU   2                    SQL:piggyback commit, open/close
                *                                     session deflt isolation & txn mod
                *
                *
                *   Space reserved for exclusive use of Server - preserved by Client:
                *
000030          DSISONLY DS   (0*16)F              Usable Server space:
                *
000030          DSISLTEA DS    A                      -->session's sLTE.
                *
                *   For Remote nDML/DC server:
                *
000034          DSISSSCA DS    A                      -->Server's SSC
                *
        00038   DSISRLEN EQU   ((*-DSICB+3)/4)*4      Length of DSICB passed on all but
                *                                        first send-receive request.
000038          DSISPRCA DS    A                      List of DBproc cb's.
00003C          DSISRBUF DS    A                      -->Server's reply buffer
000040          DSISRBLN DS    F                         and its size.
                *
000044                   DS    3F                     -vacant-
                *                                     from f/e CONNECT:
000050          DSIDBNO  DS    CL8                       DBnode
000058          DSIDBNM  DS    CL8                       DBname
000060          DSIDINO  DS    CL8                       DInode
000068          DSIDINM  DS    CL8                       DIname
                *
        00070   DSISDSLN EQU   ((*-DSICB+3)/4)*4   Length of Server's view of DSICB.
                *
                *   Fields used exclusively by Client, not available to Server:
                *
000070          DSICONLY DS   (0*12)F
                *
                *   Careful how these fields are overlayed; DSICBs can be used
                *   by multiple Client/Servers...
                *
000070          DSICRBSR DS   0A     NCLI               -->nDML last ref record RBTE.
000070          DSICFLAG DS    X,XL3      QCLI          Client flags.
000074          DSICRBLR DS   0A     NCLI               -->nDML last ref LR RBTE.
000074          DSICTXNC DS    A          QCLI          -->current txn entry.
000078          DSICSSCA DS   0A     NCLI               -->client-side SSC.
000078          DSICTXNF DS    A          QCLI          -->first txn entry.
00007C          DSICCIBA DS    A     NCLI QCLI DCLI     -->DTS ClientInformationBlock
000080                   DS    F     NCLI QCLI DCLI     -vacant-
000084          DSICPHEP DS    A          QCLI          -->Pheap (#getstg'd)
000088          DSICTHEP DS    A          QCLI          -->Theap (malloc'd)
00008C          DSICCPSA DS    A     NCLI      DCLI     -->CPS for remote parms
000090          DSICRBTH DS    A     NCLI               -->nDML remote rcd bind table.
000094                   DS   3F     NCLI QCLI DCLI     -vacant-
```

```
Offset  Value

                *
                DSICCIB  #DTSCIB Csect            DTS ClientInformationBlock
                **================================================================**
                *                                                                  *
                *                        # D T S C I B                            *
                *                                                                  *
                *   DTS Client Interface Block                                     *
                *                                                                  *
                *   This structure is used by DTS Clients to communicate           *
                *   with DTS and by DTS itself to anchor its environment.          *
                *                                                                  *
                *                                                                  *
                *                  . . . C A U T I O N . . .                       *
                *                                                                  *
                *   This macro must be kept in sync with the C structure tDtsCibR1 *
                *   declared in RHDCTEIB.H                                         *
                *                                                                  *
                **================================================================**
0000A0          DSICCIB  DS   0F
                *
0000A0          DTSCRAM   DS  (0*8)F              Reserved for exclusive use of DTS:
0000A0          DTSCID    DS    CL4               Eyecatcher.
        9C25C   DTSC$DIB  EQU    C'DIB*'             ...DTSInterfaceBlock
        9C25C   DTSC$CIB  EQU    C'CIB*'             ...ClientInterfaceBlock
        9C25C   DTSC$SIB  EQU    C'SIB*'             ...ServerInterfaceBlock
0000A4          DTSCTAR   DS    A                 -->TAR.
0000A8                    DS    2A                Reserved.
0000B0          DTSCCRTR  DS    C                 Creator.
0000B1                    DS    XL3,2F            Reserved.
0000BC          DTSCSDE#  DS    H                  /o    Count of SEND array elements
0000BE          DTSCRDE#  DS    H                  /o    Count of RECV array elements
                *
0000C0          DTSCRLVL  DS    F                 i/  Caller's release level
        00001   DTSCDRL1  EQU    1                    release level 1
                *
0000C4          DTSCSVC   DS    CL1               i/  Requested DTS service
        000C3   DTSC$CON  EQU    C'C'                 ...Connect
        000E7   DTSC$SRC  EQU    C'X'                 ...SendReceive
        000C4   DTSC$DIS  EQU    C'D'                 ...Disconnect
        000E2   DTSC$SUS  EQU    C'S'                 ...Suspend
        00099   DTSC$RES  EQU    C'r'                 ...Resume
        000D3   DTSC$LTC  EQU    C'L'                 ...ConnectLongterm
        000D9   DTSC$RSP  EQU    C'R'                 ...RespondToClient
        000E3   DTSC$TRM  EQU    C'T'                 ...Task termination event
        000D6   DTSC$SOF  EQU    C'O'                 ...Task signoff event
        000C1   DTSC$ABT  EQU    C'A'                 ...Task abort event
        000D7   DTSC$PSC  EQU    C'P'                 ...PseudoClient is calling
        000C5   DTSC$ERR  EQU    C'E'                 ...Error Handler
                *                     ***alignment**
0000C8          DTSCRTNC  DS    F                  /o return code
                *
                *
                *DTSC#DL #FLAG X'01'                 ...auto disconnect if local
0000CC          DTSC#DLI DS    0XL1
        00001   DTSC#DLM EQU   X'01'
                *DTSC#SQ #FLAG X'80'                 ...SQL connect
0000CC          DTSC#SQI DS    0XL1
        00080   DTSC#SQM EQU   X'80'
0000CC          DTSCCCO  DS   0X                  i/  Connect control options
0000CC          DTSCXCO  DS   0X                  i/  SendReceive control options
0000CC          DTSCDCO  DS   0X                  i/  Disconnect control options
0000CC          DTSCSUO  DS   0X                  i/  Suspend control options
0000CC          DTSCRMO  DS   0X                  i/  Resume control options
0000CC          DTSCCOP  DS    X                  Control options
                *                     ***alignment***
0000D0          DTSCCIDA DS    A                  i/o ->ConnectId
```

```
Offset  Value

                *
0000D4          DTSCSDA  DS    A                   i/  ->Array of SEND data descriptors
0000D8          DTSCRDA  DS    A                    /o ->Array of RECV data descriptors
                *
0000DC          DTSCCOFS DS    CL8                 i/  Class of service
0000E4          DTSCRESN DS    CL44                i/  Resource name
                *
                *DTSC#DD #FLAG X'01'                   ...Data Descriptors required
000110          DTSC#DDI DS    0XL1
        00001   DTSC#DDM EQU   X'01'
                *DTSC#LC #FLAG X'02'                   ...Client and Server local
000110          DTSC#LCI DS    0XL1
        00002   DTSC#LCM EQU   X'02'
                *DTSC#MV #FLAG X'04'                   ...Move mode receive data
000110          DTSC#MVI DS    0XL1
        00004   DTSC#MVM EQU   X'04'
                *DTSC#GR #FLAG X'10'                   ...Connected to group
000110          DTSC#GRI DS    0XL1
        00010   DTSC#GRM EQU   X'10'
000110          DTSCSCF  DS    X                    /o Server connect flags
000114                   DS   0F
        00074   DTSCIBLN EQU   *-DSICCIB           sizeof(DTSCIB)
                *
                *
        00114   DSICDSLN EQU   ((*-DSICB+3)/4)*4   Length of Client DSICB.
                **-------------------------------------------------------------------**
                *                                                                     *
                *   Equates to describe QCLI's heap storage:                          *
                *                                                                     *
                **-------------------------------------------------------------------**
        00000   QHEPXXX  EQU   0,4,C'C'            Brand
        00004   QHEPNXT  EQU   4,4,C'A'            -->next heap block
        00008   QHEPLEN  EQU   8,4,C'F'            sizeof this block
        0000C   QHEPNFB  EQU   12,4,C'F'           number of free bytes
                **-------------------------------------------------------------------**
                *                                                                     *
                *   Equates used to describe DTS i/o parameter arrays, each           *
                *   entry of which conforms to:                                       *
                *                                                                     *
                **-------------------------------------------------------------------**
        00000   DTS$PADR EQU   0,4,C'A'            A(parm)
        00004   DTS$PLEN EQU   4,4,C'F'            l'parm
        00008   DTS$PFDH EQU   8,4,C'A'            A(FDH+FDEs)
        0000C   DTS$PFLG EQU   12,4,C'F'           Flags
        00010   DTS$ELEN EQU   16                  Each is 16 bytes
                **-------------------------------------------------------------------**
                *                                                                     *
                *   Fixed input/output parms, all Service types:                      *
                *                                                                     *
                **-------------------------------------------------------------------**
        00000   DTS$DSI  EQU   0*DTS$ELEN,4,C'A'   DSICB (input/output)
                **-------------------------------------------------------------------**
                *                                                                     *
                *   SVCT=SQL equates:                                                 *
                *                                                                     *
                **-------------------------------------------------------------------**
                *
                *   Fixed input parms, SQL XQ/IS:
                *
        00010   DTS$CIB  EQU   1*DTS$ELEN,4,C'A'   SQLCIB (xq)
        00010   DTS$IIB  EQU   1*DTS$ELEN,4,C'A'   SQLIIB (is)
        00020   DTS$PIB  EQU   2*DTS$ELEN,4,C'A'   SQLPIB
        00030   DTS$PBF  EQU   3*DTS$ELEN,4,C'A'   Pbuff, when appropriate.
                *
                *   Fixed output parms, SQL XQ/IS:
                *
```

```
Offset  Value

        00010  DTS$CA   EQU   1*DTS$ELEN,4,C'A'   SQLCA
               *
               *   DSIIPL/OPL SQL bit assignments:
               *
               *      XQ:
               *
        00001  DS#XQDSI EQU   X'00000001'         DSICB
        00002  DS#XQCA  EQU   X'00000002'         SQLCA
        00004  DS#XQCIB EQU   X'00000004'         SQLCIB
        00008  DS#XQPIB EQU   X'00000008'         SQLPIB
        00010  DS#XQPBF EQU   X'00000010'         parm buffer
        00020  DS#XQTBF EQU   X'00000020'         tuple buffer
        00040  DS#XQDAI EQU   X'00000040'         SQLDAi
        00080  DS#XQDAO EQU   X'00000080'         SQLDAo
        00100  DS#XQEXS EQU   X'00000100'         dynSQL command string
        00200  DS#XQFMT EQU   X'00000200'         format descriptors
               *
               *      IS:
               *
        00001  DS#ISDSI EQU   X'00000001'         DSICB
        00002  DS#ISCA  EQU   X'00000002'         SQLCA
        00004  DS#ISIIB EQU   X'00000004'         SQLIIB
        00008  DS#ISPIB EQU   X'00000008'         SQLPIB
        00010  DS#ISSTM EQU   X'00000010'         statement buffer
        00020  DS#ISHVD EQU   X'00000020'         host variable descriptor
        00040  DS#ISEXS EQU   X'00000040'         execute string
        00080  DS#ISFMT EQU   X'00000080'         format descriptor
        00100  DS#ISNAM EQU   X'00000100'         literals, non-hv identifiers
        00200  DS#ISPHV EQU   X'00000200'         input hv array
        00400  DS#ISTHV EQU   X'00000400'         output hv array
        00800  DS#ISSAF EQU   X'00000800'         statement action flags
               **-----------------------------------------------------------------**
               *                                                                 *
               *   SVCT=DML/DC equates:                                          *
               *                                                                 *
               **-----------------------------------------------------------------**
               *
               *   Fixed input/output parms, DML/DC:
               *
        00010  DTS$CPS  EQU   1*DTS$ELEN,4,C'A'   CPS
        00020  DTS$DBUF EQU   2*DTS$ELEN,4,C'A'   data buffer
        00030  DTS$LRC  EQU   3*DTS$ELEN,4,C'A'   LR control
               *
               *   DSIIPL/OPL bit assignments:
               *
        00080  DS#DSI   EQU   X'80'               DSICB
        00040  DS#CPS   EQU   X'40'               CPS
        00020  DS#DBF   EQU   X'20'               data buffer
        00010  DS#LRC   EQU   X'10'               LRC
               **=================================================================**
               *                                                                 *
               *   DSI Client Parm Squasher                                      *
               *                                                                 *
               *   This structure is used to packetize nDML/DC requests          *
               *   such that the Server can reconstruct an appropriate           *
               *   plist from the contents supplied herein by the Client         *
               *   and return appropriate status back to the Client.             *
               *                                                                 *
               **=================================================================**
000000         CPS      DSECT
000000         CPSAID   DS    CL4                Eyecatcher.
        7E25C  CPSBRAND EQU   C'CPS*'
               *
        00004  CPSHDRLN EQU   *-CPS               sizeof(fixed_part)
               *
000004         CPSPWA   DS    XL(256-CPSHDRLN)   Max there is to play with.
```

```
Offset  Value

                *
000100          CPSIPA   DS   4XL(DTS$ELEN)        Area for DTS input parm array,
000140                   DS    XL(DTS$ELEN)        -null- entry marks the end.
        00050   CPSIPAL  EQU   *-CPSIPA            sizeof(ipa)
                *
        00150   CPSDSLEN EQU   *-CPS               total sizeof(CPS)
                **-------------------------------------------------------------**
                *                                                             *
                *   CPS definitions for nDML:                                 *
                *                                                             *
                **-------------------------------------------------------------**
000150                   ORG   CPS
000000          DRP      DS    CL4                 Eyecatcher.
        9D75C   DRPBRAND EQU   C'DRP*'
000004          DRPPWA   DS   0XL(L'CPSPWA)        DRP parm work area:
                *                                  Send from Client->Server:
000004          DRPCDBK  DS   0F                      DBkey,
000004          DRPCINT  DS    F                      or Integer.
000008          DRPNAME1 DS    CL18                   1st rec/set/area name
00001A          DRPNAME2 DS    CL18                   2nd rec/set/area name
                *
                ******************************************************************
00002C                   ORG   DRPPWA
                *                                Sent from S->C:
000004          DRPSDBK  DS   0F                      DBkey,
000004          DRPSADR  DS    A                      or Address.
000008          DRPSTAT  DS   0CL4                    SSC STAT
000008          DRPSTAT1 DS    CL2                    SSC STAT1
00000A          DRPSTAT2 DS    CL2                    SSC STAT2
00000C          DRPDBKEY DS    F                      SSC DBKEY
000010          DRPNAMES DS    6CL18                  SSC NAMES
        00074   DRPSSCLN EQU   *-DRPSTAT           L'S->C SSC fields.
                *
00007C          DRPXPARM DS    X                   Extra parm flags (set by Client):
        00001   DRPXOBTN EQU   X'01'                  OBTAIN
        00002   DRPXKEEP EQU   X'02'                  KEEP
        00004   DRPXKEEX EQU   X'04'                  KEEP EXCLUSIVE
        00008   DRPXRDYA EQU   X'08'                  READY areaname
        00010   DRPXEXPM EQU   X'10'                  EXPAND MODIFY
        00020   DRPXRTNK EQU   X'20'                  RETURN ...KEY INTO...
        00040   DRPXCUSI EQU   X'40'                  CALC USING
        00080   DRPXACCE EQU   X'80'            ACCEPT EXTENDED STATISTICS  IDMS/1817
        00006   DRPXKEEC EQU   DRPXKEEP+DRPXKEEX      BOTH KEEP FLAGS       IDMS/1817
00007D                   DS    XL3                 -vacant-
                *
                *  End of pre-14.1 DRP
                *
000080          DRPV1    DS    0X                Start of 14.1+ DRP
000080          DRPPINFO DS    F                   SSC page group/dbkey radix
                *
                *
        00084   DRPSDSLN EQU   *-DRP               l'S->C DRP.
        00084   DRPCDSLN EQU   *-DRP               l'C->S DRP.
                **-------------------------------------------------------------**
                *                                                             *
                *   CPS definitions for DC:                                   *
                *                                                             *
                **-------------------------------------------------------------**
000084                   ORG   CPS
000000          CRP      DS    CL4                 Eyecatcher.
        9D75C   CRPBRAND EQU   C'CRP*'
000004          CRPPWA   DS   0XL(L'CPSPWA)
                **-------------------------------------------------------------**
                *   Sent from Client to Server:                               *
                **-------------------------------------------------------------**
                *
```

```
Offset  Value

                *  QUEUE Client-->Server info:
                *
000004                  ORG   CRPPWA
000004          CRPQU$RB DS   0F                  QUEUE functions:
000004          CRPQUNAM DS    CL16                  Queue name
000014          CRPQULEN DS    2F                    Queue record size
00001C          CRPQURID DS    F                     Queue record id or sequence
000020          CRPQURET DS    XL1                   Retention period
000021          CRPQUFLG DS    XL3                   Flag bytes
        00024   CRPQU$LN EQU   *-CRP               sizeof(QUEUE C-->S rb)
                *
                *  WRITE PRINTER Client-->Server info:
                *
000024                  ORG   CRPPWA
000004          CRPPR$RB DS   0F                  WRITE PRINTER:
                *  defined by #RRBDS dsect
                *
                *  CURS Client-->Server info:
                *
000004                  ORG   CRPPWA
000004          CRPCS$RB DS   0F                  CURRENCY Save/Restore/Release:
000004          CRPCSCID DS    CL16                  CURH_id
        00014   CRPCS$LN EQU   *-CRP               sizeof(CURS C-->S rb)
                *
                *  KEEP Client-->Server info:
                *
000014                  ORG   CRPPWA
000004          CRPKE$RB DS   0F                  KEEP:
000004          CRPKELID DS    CL18                  Longterm ID
000016          CRPKECUR DS    CL18                  Currency name
000028          CRPKEFLG DS    XL1                   Flag byte
        00029   CRPKE$LN EQU   *-CRP               sizeof(KEEP C-->S rb)
                *
                *
                **================================================================**
                *                                                                *
                *   DSI Record Bind Table for nDML                               *
                *                                                                *
                *   This structure is returned to the Client by the Server       *
                *   during a BIND59 and is used to make record/LR names, lengths *
                *   and UWA addresses available to the Client.                   *
                *                                                                *
                *   The number of RBTEs is equal to the number of non-system SR51s *
                *   and LR80s in the bound Subschema.                            *
                *                                                                *
                **================================================================**
000000          RBTH     DSECT                    This header prefixes the RBT:
000000          RBTHAID  DS    CL4                   Eyecatcher.
        2E35C   RBTBRAND EQU   C'RBT*'
                *
000004          RBTHSR#  DS    H                     # record RBTEs.
000006          RBTHLR#  DS    H                     # LR RBTEs:
                *                                    1st LR RBTE is at
                *                                    RBTH+RBTHDSLN+(RBTESR#*RBTEDSLN)
        00008   RBTHDSLN EQU   *-RBTH              sizeof RBTH.
                *
000000          RBTE     DSECT                    Each entry looks like this:
000000          RBTELRNM DS   0CL16                 LR name.
000000          RBTESRNM DS    CL18                  Record name.
000012          RBTELEN  DS    H                     Max SS record or LR length.
000014          RBTEBADR DS    A                     Record bind address (UWA).
                *
        00018   RBTEDSLN EQU   *-RBTE              sizeof RBTE.
000018          RBTEPREV DS    A                     Record previous image  (IDMSDBUG)
00001C          RBTECURR DS    A                     Record current image   (IDMSDBUG)
000020          RBTEFLAG DS    XL1                   RBTE work flag         (IDMSDBUG)
```

```
Offset  Value

        00080  RBTEPPND EQU   X'80'                  - if previous image   (IDMSDBUG)
        00040  RBTECPND EQU   X'40'                  - if current image    (IDMSDBUG)
000021                 DS    XL3                    Reserved              (IDMSDBUG)
        00024  RBTEXSLN EQU   *-RBTE              sizeof extended RBTE     (IDMSDBUG)
```

1.30 #DTADS

```
                    COPY #DTADS
             ******************************************************************
             ***                                                            ***
             ***         DITMAINT TEMPORARY WORK AREA                       ***
             ***                                                            ***
             ***  DTA IS A DSECT THAT DESCRIBES THE CONTROL BLOCK CONTAINING ***
             ***  INFORMATION NECESSARY TO THE DITMAINT ROUTINE.  THESE ARE  ***
             ***  TEMPORARY FIELDS NEEDED IN ORDER TO KEEP THE ROUTINE       ***
             ***  RE-ENTRANT.                                               ***
             ***                                                            ***
             ******************************************************************

Offset  Value

000000          DTA      DSECT                          15:08:54 05/22/85
000000          DTAREGSV DS    10F                 AREA TO SAVE ENTRY REGISTERS
000028          DTASAVRG DS    F                   AREA TO SAVE 1 ENTRY REG
00002C          DTAWPNUM DS    F                   SAVE A FULLWORD VALUE  HERE
000030          DTAWKCL8 DS    CL8                 SAVE AN 8 CHARACTER VALUE HERE
        00038   DTALEN   EQU   ((*-DTA+3)/4)*4     LEN OF BSIN WORK AREA
        0000E   DTAFLEN  EQU   ((*-DTA+3)/4)       LEN OF BSIN WORK AREA IN FULLWORDS
```

1.31 #DTEDS

```
                         COPY #DTEDS
                ***********************************************************************
                *** DTE:   DYNAMIC TABLE EXTENSION                                  ***
                ***********************************************************************

Offset  Value

000000          DTE      DSECT                          11:39:36 05/12/86
000000          DTENXTA  DS    A                   ADDR OF NEXT DTE IN CHAIN
                *                                  (0 = END OF CHAIN)
000004          DTENUM   DS    H                   NUMBER OF ENTRIES IN THIS DTE
                DTEDEMP  #FLAG X'01'               DELETE THIS DTE WHEN IT'S EMPTY.
000006          DTEDEMPI DS    0XL1
        00001   DTEDEMPM EQU   X'01'
000006          DTEFLAG  DS    X
000007                   DS    X                   *UNUSED*
        00008   DTEDSLEN EQU   ((*-DTE+3)/4)*4     LENGTH OF DSECT
000008          DTESTART DS    0F                  DYNAMIC TABLE ENTRIES START HERE
```

1.32 #D2S2DS

```
                        #D2S2DS
                ***
                ***
                ***     K0:   TABLESPACE D2S2 CONTROL RECORD
                ***
                ***

Offset  Value

000000          K0      DSECT
000000          K0D2S2  DS    XL8                 TABLESPACE DATE TIME STAMP.
000008          K0HIRID DS    H                   CURRENT HIGH RECID IN SPACE.
00000A                  DS    CL22                RESERVED.
        00020   K0DSLEN EQU   (*-K0+3)/4*4
        00005   K0RID   EQU   5                   RECORD ID OF K0 RECORD
                ***
                ***
                ***     K2:  TABLE D2S2 CONTROL RECORD.
                ***
                ***
000000          K2      DSECT
000000          K2KEY   DS    H                   SEARCH AND SORT KEY (TABLE REC ID)
                *K2LDROP  #FLAG X'80'              ON IF TABLE LOGICALLY DROPPED.
000002          K2LDROPI DS   0XL1
        00080   K2LDROPM EQU  X'80'
000002          K2FLAG1 DS    XL1                 MISC FLAGS.
000003                  DS    XL1                 RESERVED.
000004          K2D2S2  DS    XL8                 TABLE DATE TIME STAMP.
00000C                  DS    CL8                 RESERVED.
        00014   K2DSLEN EQU   (*-K2+3)/4*4
000014          K2DBKEY DS    F                   DBKEY - CARRIED IN INCORE INDEX.
        00018   K2IXLEN EQU   (*-K2+3)/4*4
        00009   K2RID   EQU   9                   RECORD ID OF K2 RECORD
                ***
                ***
                ***     D2S2 cache record
                ***
                ***
000000          D2C     DSECT
000000          D2CSTMP DS    XL8                 Table/View Date Time Stamp.
000008          D2CDBKEY DS   F                   Dbkey to be locked.
                *D2C#EMP #FLAG X'80'              On if table is empty.
00000C          D2C#EMPI DS   0XL1
        00080   D2C#EMPM EQU  X'80'
00000C          D2CFLAG1 DS   X                   Misc Flags.
00000D          D2CFLAG2 DS   X                   Misc Flags.
                *
00000E          D2CTKEY DS    H                   Table cache key - record Id.
        00010   D2CTDSLN EQU  (*-D2C+3)/4*4       Table cache entry length.
000010                  ORG   D2CTKEY
00000E          D2CVKEY DS    0CL36               View cache key
00000E          D2CVSCHM DS   CL18                View Schema name.
000020          D2CVNAME DS   CL18                View Name.
        00034   D2CVDSLN EQU  (*-D2C+3)/4*4       View cache entry length.
```

1.33 #ECBDS

```
                         COPY #ECBDS
                ************************************************************************
                ***                                                                  ***
                ***   ECB:   INTERNAL EVENT CONTROL BLOCK DSECT.                     ***
                ***                                                                  ***
                ************************************************************************

Offset  Value

000000          ECB      DSECT                                                  08/04/99
000000          ECBECB   DS    F                   ACTUAL ECB ITSELF.
000004          ECBDPEA  DS    A                   LINK TO LIST OF DPE'S.
000008                   ORG   ECBDPEA
000004          ECBTCBAD DS    A                   TCB ADDRESS (BATCH)
                *
000008          ECBTYPE  DS    XL1                 INTERNAL ECB TYPE CODE
                *
                *     INTERNAL ECB TYPE CODES (1-127)
                *
        00001   ECBTBCR  EQU   1                   BCRECB
        00002   ECBTBMES EQU   2                   BMESECB
        00003   ECBTBMEX EQU   3                   BMEXECB
        00004   ECBTLOAD EQU   4                   CSALDECB
        00005   ECBTLOG  EQU   5                   CSALFECB
        00006   ECBTTILF EQU   6                   CSATJECB
        00007   ECBTECE  EQU   7                   ECEECB
        00008   ECBTJBEH EQU   8                   DMCJECB
        00009   ECBTJBEA EQU   9                   DMCJHECB
        0000A   ECBTFCBX EQU   10                  FCBXECB
        0000B   ECBTIDWU EQU   11                  IDWUPECB
        0000C   ECBTIIEP EQU   12                  IIEPECB
        0000D   ECBTJCBX EQU   13                  JCBXECB
        0000E   ECBTLKW  EQU   14                  LKWECB
        0000F   ECBTLTE  EQU   15                  LTEECB
        00010   ECBTLTTM EQU   16                  LTTMSECB
        00011   ECBTLTT  EQU   17                  LTTECB
        00012   ECBTPDT  EQU   18                  PDTECB
        00013   ECBTPDEL EQU   19                  PDELOCK
        00014   ECBTPDE  EQU   20                  PDEECB
        00015   ECBTPLES EQU   21                  PLESECB
        00016   ECBTPLE9 EQU   22                  PLE9RECB
        00017   ECBTPTER EQU   23                  PTERECB
        00018   ECBTSMT  EQU   24                  SMTECB
        00019   ECBTTCA  EQU   25                  TCAECB
        0001A   ECBTTCE  EQU   26                  TCEECB
        0001B   ECBTTJHF EQU   27                  TJHFECB
        0001C   ECBTTJHS EQU   28                  TJHSECB
        0001D   ECBTVIB  EQU   29                  VIBECB
        0001E   ECBTDBRC EQU   30                  DBRCECB IN MSTR
        0001F   ECBTJBCH EQU   31                  JBCHECB
        00020   ECB3280R EQU   32                  3280 RETRY
        00021   ECBMGE   EQU   33                  MODE GROUP ECB
        00022   ECBTVR   EQU   34                  CCEVRECB
        00023   ECBTOGB  EQU   35                  OMCGBECB                *CRM85213*
        00024   ECBTOIA  EQU   36                  OMCGIECB                *CRM85213*
        00025   ECBTOBC  EQU   37                  OBCECB                  *CRM85213*
        00026   ECBTSDCS EQU   38                  SDCSECB
        00027   ECBTIOD  EQU   39                  DATABASE I/O DRIVER ECB
        00028   ECBTJRD  EQU   40                  JOURNAL DRIVER
        00029   ECBTVRT  EQU   41                  DATABASE VARY TASK
        0002A   ECBTPURG EQU   42                  PURGE DATABASE AREA
        0002B   ECBTRDD  EQU   43                  DATABASE I/O READ DRIVER ECB
        0002C   ECBBATCH EQU   44                  BATCH OPSYS ECB
```

```
Offset  Value

        0002D  ECBTSCRH EQU   45                  CSASCECB SCRATCH ECB
        0002E  ECBTPMSD EQU   46                  PERFMON SERVICE DRIVER ECB
        0002F  ECBTQST  EQU   47                  QUEUE SINGLE-THREAD ECB *PHG Q-WAIT*
        00030  ECBGLQTE EQU   48                  GLOBAL QUEUE TABLE ENTRY ECB *ALM
        00031  ECBTSCB  EQU   49                  JOB MANAGEMENT SPOOLER COMM. BLOCK
        00032  ECBTLRBK EQU   50                  LRBK Unrecovered transaction ECB.
        00033  ECBTQECB EQU   51                  DCMT QUIESCE AREA (DPRQECB)
               *
               *** IF ADDING ECB TYPE, SEE ALSO WAIT MTTA PMRTCGDA AND PMHKTECB
               *
000009                 DS    XL1                 RESERVED
               *
00000A         ECBRC   DS    H                  RETURN CODE
               *
        0000C  ECBDSLEN EQU   *-ECB               LENGTH OF DSECT.
```

1.34 #ECEDS

```
                         COPY #ECEDS
                ************************************************************************
                ***                                                                  ***
                *** ECE:   ENQUEUE CONTROL ELEMENT DSECT.                            ***
                ***                                                                  ***
                ************************************************************************

Offset  Value

000000          ECE      DSECT                                                 02/26/99
                         PRINT NOGEN
000000          ECEECB   DS    3A                  ECB FOR RESOURCE.
00000C          ECERCEA  DS    A                   ADDRESS OF RCE.
000010          ECEENQCT DS    H                   NUMBER OF USERS OF RESOURCE.
000012          ECEENQL  DS    H                   LENGTH OF RESOURCE ID.
                *
                *CEWTEX  #FLAG X'01'               SOMEONE WAIT'G FOR EXCL.
                *CEWTSH  #FLAG X'02'               SOMEONE WAIT'G FOR SHARED.
                ECEEXCL  #FLAG X'04'               OWNER HAS EXCL CONTROL.
                ECEOWNR  #FLAG X'08'               PRESENT TASK OWNS RESOURCE.
                ECEGLBL  #FLAG X'10'               GLOBAL SCOPE FOR RESOURCE
                ECEGLOK  #FLAG X'20'               GLOBAL LOCK CURRENTLY HELD
                ECEGLKW  #FLAG X'40'               ANOTHER TASK WAITING FOR GLOBAL LOCK
000014          ECEFLAG  DS    XL1                 FLAG BYTE.
                *
000015          ECE#POST DS    X                   NUMBER OF POST OF WAITERS BEFORE
                *                                         RELEASING A GLOBAL LOCK
000016          ECEWTCTR DS    H                   # OF TASKS WAITING FOR RESOURCE
                *
000018          ECEENQID DS    0X                  START OF RESOURCE ID.
                *                                  END OF FIXED PORTION OF ECE.
        00018   ECEDSLEN EQU   *-ECE               LENGTH OF DSECT.
                         PRINT GEN
```

1.35 #ELEDS

```
                         COPY #ELEDS
                 ************************************************************************
                 ***                                                                  ***
                 ***   ELE:   ECB LIST ELEMENT                                        ***
                 ***                                                                  ***
                 ************************************************************************

Offset  Value

000000           ELE      DSECT                                                  05/06/00
                          PRINT NOGEN
000000           ELEECBA  DS    A                    ADDRESS OF ECB ITSELF.
000004           ELEWORD2 DS    0F                   SECOND WORD OF ELE.
                 ELEEND   #FLAG X'80'                LAST ECB IN LIST.
                 ELEIANY  #FLAG X'40'                INTERNAL ECB, ANY MAY POST.
                 ELEIALL  #FLAG X'20'                INTERNAL ECB, ALL MUST POST.
                 ELEINT   #FLAG ELEIANYM+ELEIALLM    SOME KIND OF INTERNAL ECB.
                 ELENOOS  #FLAG X'08'                EXTERNAL, BUT NOT O.S.
000004           ELEFLAGS DS    XL1                  ECB FLAGS.
000005           ELEXTYPE DS    XL1                  EXTERNAL ECB TYPE CODE
                 *
                 *     EXTERNAL ECB TYPE CODES (128-255)
                 *
         00080   ELETCCE  EQU   128                  CCEECB
         00081   ELETCCEU EQU   129                  CCEUPECB
         00082   ELETCKU  EQU   130                  CKUECB
         00083   ELETCKUT EQU   131                  CKUECBT
         00084   ELETCSAX EQU   132                  CSAEXECB
         00085   ELETLOGF EQU   133                  CSALGECB
         00086   ELETERE  EQU   134                  EREECB
         00087   ELETESE  EQU   135                  ESEECB
         00088   ELETESEK EQU   136                  ESECKECB
         00089   ELETICE  EQU   137                  ICEECB
         0008A   ELETIDBS EQU   138                  IDBSECB
         0008B   ELETLRE  EQU   139                  LREECB
         0008C   ELETMLEP EQU   140                  MLEPECB
         0008D   ELETMLES EQU   141                  MLESECB
         0008E   ELETMSGR EQU   142                  MSGRECB
         0008F   ELETPLE2 EQU   143                  PLE2PECB
         00090   ELETZTEC EQU   144                  PLEZTECB
         00091   ELETPRT  EQU   145                  PRTSECB
         00092   ELETPUNS EQU   146                  PTEUECB
         00093   ELETPAUS EQU   147                  PTEPECB
         00094   ELET6ECB EQU   148                  PTE6ECB
         00095   ELETQWE  EQU   149                  QWEECB
         00096   ELETRCE  EQU   150                  RCEECB
         00097   ELETRUH  EQU   151                  RUHFECB
         00098   ELETREPL EQU   152                  #WTL REPLY ECB
         00099   ELETVLGN EQU   153                  VTAM LOGON ECB
         0009A   ELETVRTI EQU   154                  VTAM READ INITIAL ECB
         0009B   ELETVRPL EQU   155                  VTAM RPL ECB
         0009C   ELETUSER EQU   156                  USER ECB
         0009D   ELETUSID EQU   157                  USER ECBID
         0009E   ELETLOAD EQU   158                  LOADER DECB
         0009F   ELETWTOR EQU   159                  DBRC WTOR ECB
         000A0   ELETDMCH EQU   160                  DMCJHECB WHEN WAITED AS EXTERNAL
         000A1   ELETTIME EQU   161                  TIMER ECB
         000A2   ELETXSDR EQU   162                  DDS VTAM READ ECB
         000A3   ELETXSPW EQU   163                  DDS VTAM WRITE ECB
         000A4   ELETXDSD EQU   164                  DDS BTAM I/O ECB
         000A5   ELETIO   EQU   165                  ANY TERMINAL I/O DECB
         000A6   ELETATTN EQU   166                  DDS ATTENTION ECB
         000A7   ELETDBWT EQU   167                  DBIO WRITE ECB
```

```
Offset  Value

        000A8  ELETDBRD EQU   168                 DBIO READ ECB
        000A9  ELETDBVS EQU   169                 DBIO DOS VSAM CCB
        000AA  ELETJRNW EQU   170                 DBIO JOURNAL WRITE ECB
        000AB  ELETVDFC EQU   171                 VTAM RECV-ANY RESP/DFASY (D0EV)
        000AC  ELETDTPE EQU   172                 DCAM TP END
        000AD  ELETDLOS EQU   173                 DCAM LOSCON
        000AE  ELETDRCV EQU   174                 DCAM RECEIVE ANY
        000AF  ELETDRPB EQU   175                 DCAM RPB
        000B0  ELETIOD  EQU   176                 DATABASE I/O WRITE DRIVER
        000B1  ELETJRD  EQU   177                 JOURNAL DRIVER
        000B2  ELETVRT  EQU   178                 DATABASE HELIOT TASK
        000B3  ELETILE  EQU   179                 ILE-LOCK ECB
        000B4  ELETJSG  EQU   180                 JRNL DRV FRAGMENT ECB
        000B5  ELETIOT  EQU   181                 DATABASE I/O TASK
        000B6  ELETRDD  EQU   182                 DATABASE I/O READ DRIVER
        000B7  ELETMPMD EQU   183                 MPMODE ECB
        000B8  ELETQSA  EQU   184                 QUIESCE DATABASE AREA
        000B9  ELETSPRU EQU   185                 SUSPENDED RUN UNIT
        000BA  ELETJWER EQU   186                 JOURNAL WRITE ERROR
        000BB  ELETPMSD EQU   187                 PERFMON SERVICE DRIVER
        000BC  ELETPMON EQU   188                 PERFMON ONLINE REQUEST
        000BD  ELETSMFW EQU   189                 SMF WRITE ECB
        000BE  ELETSHUT EQU   190                 CSASDECB - SHUTDOWN ECB
        000BF  ELETSCBE EQU   191                 JOB MANAGEMENT SPOOLER COMM. BLOCK
        000C0  ELETXIOB EQU   192                 XIOB allocation in #OS00OC
        000C1  ELETAFIN EQU   193                 RHDCWAIT PASS2: NEED TO SW SUBTASKS
        000C2  ELETDBGR EQU   194                 DBgroup ECB (HPCS)
        000C3  ELETHPLI EQU   195                 HPCS list ECB
        000C4  ELETHPCA EQU   196                 HPCS cache ECB
        000C5  ELETLKW  EQU   197                 LMGR global lock request (LKWECB)
        000C6  ELETLKQ  EQU   198                 LMGR XES request (LKQECB)
        000C7  ELETXCFM EQU   199                 XCF message ECB
        000C8  ELETXCFG EQU   200                 XCF group   ECB
        000C9  ELETXELK EQU   201                 XES lock    ECB
        000CA  ELETXELI EQU   202                 XES list    ECB
        000CB  ELETLMSD EQU   203                 LMGR service driver ECB
        000CC  ELETDBSD EQU   204                 DBIO service driver ECB
        000CD  ELETMSG1 EQU   205                 MSGECB1
        000CE  ELETMSG2 EQU   206                 MSGECB2
        000CF  ELETMSG3 EQU   207                 MSGECB3
        000D0  ELETLKP  EQU   208                 LMGR proxy recovery (LKPECB)
               ***
               ***  IF ADDING ECB TYPE, SEE ALSO WAIT MTTA PMRTCGDA AND PMHKTECB
               ***
000006                 DS    XL2                 RESERVED
               *
        00008  ELEDSLEN EQU   *-ELE               LENGTH OF DSECT.
                       PRINT GEN
```

1.36 #EREDS

```
                         COPY #EREDS
                ***
                ***
                ***  ERE:     EXTERNAL REQUEST ELEMENT
                ***
                ***

Offset  Value

000000          ERE      DSECT                                                08/08/01
000000          EREID    DS    CL4                      "ERE "
000004          EREFUNCN DS    XL1                      FUNCTION NUMBER
        00006   EREFPINT EQU   6                        FUNC 06  CV POSTS INT
000005          ERECVNUM DS    XL1                      CENTRAL VERSION NUMBER 0-255
000006          ERESTAT  DS    XL1                      STATUS
        00000   EREAVAIL EQU   0                        0      AVAILABLE
        00080   EREAERUS EQU   X'80'                    X'80'  ERUS ACTIVE
        00040   EREAINT  EQU   X'40'                    X'40'  INT ACTIVE
        00020   EREAINTP EQU   X'20'                    X'20'  INT ACTIVE/PROCESSING
        00010   ERECLAIM EQU   X'10'                    X'10'  CLAIM ERE FOR SINON
        00008   ERERQSON EQU   X'08'                    X'08'  REQUEST SINON
        00004   ERERQAB  EQU   X'04'                    X'04'  REQUEST ABEND
        00002   EREABPAK EQU   X'02'                    X'02'  ABEND PAK ACTIVE
        00001   EREONMQ  EQU   X'01'                    X'01'  SINON on MSTR's queue
000007          EREPAKET DS    XL1                      PAKET DATA MOVEMENT TYPE
        00000   EREPAK0  EQU   0                        0  NO PAKETS
        00001   EREPAK1  EQU   1                        1  ERUS BUILDS/INT UNPAKS
        00002   EREPAK2  EQU   2                        2  SVC BY INT BUILDS/UNPAKS
        00003   EREPAK3  EQU   3                        3  INT BUILDS/UNPAKS
                * From here to the end of the ERE is cleared by CSVC when
                * acquiring the ERE:
000008          EREPAKA  DS    A                        HEAD OF PAKET BUFFER LIST
00000C          ERETSKID DS    F                        ERUS' TCETSKID
000010          EREECB   DS    F                        EXTERNAL R-U ECB
                *                                                  (WAITED BY ERUS)
000014          ERELREA  DS    A                        A(LRE)       (POSTED BY ERUS)
000018          ERELREP  DS    F                        LRE PARTITION QUALIFYING INFO
00001C                   ORG   ERELREP                  NO LRE IN CMS
000018          EREVMUID DS    F                        VMCF USER ID
00001C          ERELRET  DS    F                        LRE TASK QUALIFYING INFO
                *                     NOTE LRE IS NOT NECESSARILY ADDRESSABLE FROM CV
000020          EREESEA  DS    A                        A(ESE)
000024          ERETYPE  DS    XL1                      Type of interface:
        00001   ERETYPEI EQU   1                          IDMS (old-TP monitor)
        00002   ERETYPEO EQU   2                          nonIDMS (obsolete)
        00003   ERETYPEU EQU   3                          UCF
        00004   ERETYPED EQU   4                          DTS/DNS request unit
        00005   ERETYPEX EQU   5                          Extended IDMS
000025                   DS    XL1                      -reserved-
000026          EREPAKSZ DS    H                        REQUESTED PAKET SIZE
000028          EREDATA  DS    0CL16                    SINON DATA
000028          EREPNAME DS    CL8                      IDMS PROGRAM NAME
000030          ERESSNAM DS    CL8                      RU SUBSCHEMA NAME
                *  OTHER SINON DATA TYPES GO HERE
000038          ERELOCID DS    0CL8                     LOCAL TASK IDENTIFICATION
000038          ERELID1  DS    CL4                      LOCAL TASK ID PART 1
00003C          ERELID2  DS    XL4                      LOCAL TASK ID PART 2
000040          EREDDSFG DS    XL1                      DDS FLAG (obsolete)
000041          EREFLG1  DS    XL1                      FLAG 1
        00080   EREXSVX  EQU   X'80'                    SVC EXT MAPPED BY #SVXDS
        00040   EREACKU  EQU   X'40'                    Assign CKUR when available
        00020   EREINTCB EQU   X'20'                    f/e requests BIND48 intcpt
        00010   ERESVCBI EQU   X'10'                    SVC supports BIND48 intcpt
```

```
Offset  Value

        00002  ERESNAPP EQU   X'02'                    SNAP of PAKET in progress
        00001  ERESSC31 EQU   X'01'                    SSC ABOVE THE LINE (MVS)
000042         EREXWTIM DS    H                        External stall interval.
000044         ERECCEPA DS   0A                        A(CCEPROG) for TSKC
000044         ERERQCA  DS    A                        ->b/e RQC for DTS
000048         ERESTAE  DS   0A                        A(XTSKSTAE) for TSKC
000048         EREABCD  DS    CL4                      Abort reason code:
               *                                        Documented in #ABCODE LRD94272
00004C         ERELECBA DS    F                        LRE ECB POINTER
000050                  ORG   ERELECBA
00004C         EREVMPKA DS    A                        VMCF PAKET ADDRESS
000050         ERENODE  DS    CL8                      DDS NODE
000058         EREDBNAM DS    CL8                      DDS DBNAME
000060         EREDNOD  DS    CL8                      DICTNODE FOR SUBSCHEMA LOAD
000068         EREDNAM  DS    CL8                      DICTNAME FOR SUBSCHEMA LOAD
000070         EREFESIA DS    A                        ->b/e FESID, if any.
000074         EREALET  DS    F                        ALET of LRE address space.
000078         EREEND   DS    0D                       END OF BASIC ERE
               ***********************************************************************
               *  FOR TOTAL LENGTH OF AN ERE, USE ESEERELN
               *  FOR ADDRESS OF SVC EXTENSION, USE A(ERE)+ESESOXOF+ESESOXLN
               *  FOR ADDRESS OF S/ON EXTENSION, USE A(ERE)+ESESOXOF
               *  FOR ADDRESS OF BS2K EXTENSION, USE A(ERE)+ESEBS2OF
               ***********************************************************************
               ***********************************************************************
               *
               *   EXTENSION TO BASIC ERE FOR UCF DRIVER, RHDCD0ZU.  THIS EXTENSION
               *   WILL BE PRESENT ONLY IF A UCF LINE HAS BEEN SYSGENED INTO THE
               *   RUN-TIME SYSTEM.                                    **RBK 830120
               *
               ***********************************************************************
000078         EREZDS   DS    0D
000078         EREZPTEA DS    A                   ADDRESS OF FIRST PTE.
00007C         EREZEREA DS    A                   ADDRESS OF NEXT UCF ERE.
               EREZWRQ  #FLAG X'80'               ERE IS WAITING FOR A REQUEST
000080         EREZWRQI DS    0XL1
        00080  EREZWRQM EQU   X'80'
               EREZFIN  #FLAG X'40'               FINISH IN PROGRESS
000080         EREZFINI DS    0XL1
        00040  EREZFINM EQU   X'40'
               EREZPCT  #FLAG X'01'               PRINT CONTROL TASK
000080         EREZPCTI DS    0XL1
        00001  EREZPCTM EQU   X'01'
000080                  DS    X                   EREZ FLAG 1
               EREZWCK  #FLAG X'80'               Waiting for a CKUR.
000081         EREZWCKI DS    0XL1
        00080  EREZWCKM EQU   X'80'
000081                  DS    X                   EREZ FLAG 2
000082                  DS    H                   SPARE HALF WORD
000084         EREZP58A DS    F                   ADDRESS OF P58 TRIPLET
000088         EREZPTEC DS    A                   ADDRESS OF CURRENT PTE (PRINTERS)
        00018  EREZDSLN EQU   ((*-EREZDS+7)/8)*8  LENGTH OF UCF EXTENSION
                        COPY   #BS2KXDS
               ***
               ***
               ***  BS2KXDS: BS2K ERE EXTENSION
               ***
               ***
000000         BS2KXDS  DSECT                          15:46:49 12/16/83
000000         EXT      DS    0F
000000         EXTID    DS    F                       CURRENT SHORT ID
000004         EXTCVID1 DS    F                       CV SHORT ID: POST LRE
000008         EXTRUID1 DS    F                       RU SHORT ID: WAIT LRE
00000C         EXTRUID2 DS    F                       RU SHORT ID: POST ESE / ERE
               *
000010         EXTNAME  DS    0CL12                   LONG ID
```

```
Offset  Value

000010          EXTCODE  DS    CL2
                *              C'BA'                    USED FOR BATCH
                *              C'TP'                    USED FOR TP
000012          EXTTIME  DS    CL6                      TIME OF BIND (CHAR FMT)
000018          EXTTSN   DS    CL4                      TASK SEQUENCE NUMBER
                *
00001C          EXTINFO  DS    F                        CROSS PARTITION MESSAGE
                *                                       LEFTMOST BYTE IS CODE:
        00001   EXTTPENA EQU   X'01'                    SIGN ON  TP MODE
        00002   EXTTPDIS EQU   X'02'                    SIGN OFF TP MODE
        00004   EXTBIND  EQU   X'04'                    BIND RU
        00008   EXTTERM  EQU   X'08'                    TERMINATE RU
        00010   EXTABEND EQU   X'10'                    ABEND USER
        00040   EXTPOST  EQU   X'40'                    POST ERE
                *
000020 0        EXTSEMMI DC    X'00'                    SIGNAL IF CV IS TO BE POSTED
        00000   EXTAWAKE EQU   X'00'                    CV IS UP
        00001   EXTXPOST EQU   X'01'                    CV HAS BEEN POSTED WITHOUT POST
        00010   EXTXWAIT EQU   X'10'                    CV IS SLEEPING
                *
000021 0        EXTIDA   DC    X'00'                    TEST COMMUNICATION
        00080   EXTRUWCV EQU   X'80'                    RU WAITS FOR CV
        00004   EXTRUPCV EQU   X'04'                    RU POSTS CV
        00010   EXTRUPRO EQU   X'10'                    RU IS PROCEEDING
        00008   EXTCVWRU EQU   X'08'                    CV WAITS FOR RU
        00040   EXTCVPRU EQU   X'40'                    CV POSTS RU
        00001   EXTCVARU EQU   X'01'                    CV ACKS RU'S POST
                *
000022 0        EXTPCNT  DC    X'00'                    COUNT CV-RU POSTS
                *
        00024   EXTDSLEN EQU  (*-EXT+3)/4*4             LENGTH OF ACTUAL EXTENSION
```

1.37 #ESEDS

```
                         COPY #ESEDS
               ***
               ***
               ***  ESE:     EXTERNAL SERVICE ELEMENT
               ***
               ***

Offset  Value

000000         ESE      DSECT                          10/28/88 10:02:01   02/27/93
000000         ESEID    DS    CL4                 "ESE "
000004         ESEFUNCN DS    XL1                 FUNCTION NUMBER
        00001  ESEFSNCV EQU   1                   FUNC 01  SINON CV
        00002  ESEFSFCV EQU   2                   FUNC 02  SINOF CV
000005         ESECVNUM DS    XL1                 CENTRAL VERSION NUMBER 0-255
000006         ESESTAT  DS    XL1                 STATUS
        00080  ESEACTIV EQU   X'80'               X'80'  CENTRAL VERSION ACTIVE
        00040  ESESINON EQU   X'40'               X'40'  RUN-UNIT SINON ACTIVE
        00020  ESEQUIES EQU   X'20'               X'20'  RUN-UNITS QUIESCING
        00010  ESER3    EQU   X'10'               X'10'  CV IS REL 3.0 OR LATER
        00008  ESESMF   EQU   X'08'               X'08'  SVC SUPPORTS SVC SMF WRITES
000007         ESEPAKET DS    XL1                 PAKET DATA MOVEMENT TYPE
        00000  ESEPAK0  EQU   0                   0  NO PAKETS
        00001  ESEPAK1  EQU   1                   1  ERUS BUILDS/INT UNPAKS
        00002  ESEPAK2  EQU   2                   2  SVC BY INT BUILDS/UNPAKS
        00003  ESEPAK3  EQU   3                   3  INT BUILDS/UNPAKS
000008         ESEEREFA DS    A                   A(FIRST ERE)
00000C         ESEERELA DS    A                   A(LAST ERE)
000010         ESEECB   DS    F                   EXTERNAL SERVICE ECB
               *                                                (WAITED BY DBRC)
000014         ESEECBP  DS    F                   ESEECB PARTITION QUAL. INFO
000018         ESEECBT  DS    F                   ESEECB TASK QUALIFYING INFO
00001C         ESECSVCE DS    A                   A(CSVC ENTRY)
000020         ESECSVCA DS    A                   A(CSVC)
000024         ESEFPTA  DS    A                   A(FPT)
000028         ESENSTIM DS    F                   NEXT SETIME TIME
00002C         ESEICEAD DS    A                   SETIME ICEADDR
000030                  DS    0D                  ALIGN ESEMSG
000030         ESEMSG   DS    XL1                 LENGTH OF MESSAGE
000031         ESEMSG1  DS    CL4                 DISPLAYABLE CV# + BLANK
000035         ESEMSG2  DS    CL14                VARIABLE MESSAGE TEXT
000043         ESEKEY   DS    XL1                 PROTECT-KEY  0=SYS  1=USER
000044         ESESSTAE DS    A                   OLD SYSTEM STAE ADDR
000048         ESESVCA  DS    A                   ADDR TO BEGIN SVC CODE DUMP
00004C         ESESVCL  DS    F                   LENGTH TO DUMP SVC CODE
000050         ESEERELN DS    H                   LENGTH OF EACH ERE
000052         ESEVMCF  DS    0H                  VMCF ERROR FUNCTION AND CODE
000052         ESEVMCFF DS    X                   VMCF ERROR FUNCTION
000053         ESEVMCFC DS    X                   VMCF ERROR RETURN CODE
000054         ESECKECB DS    F                   AVAILABLE CKUR ECB
000058         ESECSVA  DS    A                   ADDR OF CV'S CSV AREA
00005C         ESEPSBIT DS    F                   ESE POST BIT
               *  FOLLOWING 4 HALFWORDS USED FOR EXTENSION FOR 5.7 UCF CODE
000060         ESESVXLN DS    H                   LENGTH OF ERE EXTN FOR SVC.
000062         ESESOXLN DS    H                   LENGTH OF ERE EXTN FOR S/ON.
000064         ESESOXOF DS    H                   OFFSET TO S/ON EXTN IN ERE.
000066         ESEUCFLN DS    H                   LENGTH OF UCF EXTN IN ERE.
000068         ESEBS2OF DS    H                   OFFSET TO BS2K EXTN IN ERE.
00006A         ESEBS2LN DS    H                   LENGTH OF BS2K EXTN IN ERE.
               *
00006C         ESEVMSPA DS    F                   A(VMSP ADDR LIST FOR VMCF)
```

```
                *
000070          ESEEBEFA DS    F                   EBE FWD POINTER
000074                   ORG   ESEEBEFA
000070          ESEVMMID DS    F                   VMCF SENDX MESSAGE ID NO. (R12.0)
000074          ESEEBEBA DS    F                   EBE BWD POINTER
000078                   DS    0D
        00078   ESEDSLEN EQU   *-ESE               LENGTH OF DSECT
```

1.38 #FACDS

```
                         #FACDS VARS=YES
                 ***
                 ***
                 ***  FAC:     FIXED AC56 SUBSCHEMA TABLE ELEMENT
                 ***
                 ***

Offset  Value

000000           FAC      DSECT
000000           FAC56    DS    CL4              'AC56'
000004           FACDYN   DS    F                DISPLACEMENT TO VAC
000008           FACAMN   DS    A                NEXT AM OF AC-AM
00000C           FACIBN   DS    A                NEXT AC OF IB-AC
000010           FACAPN   DS    A                NEXT AP OF AC-AP
000014                    DS    F                ***  RESERVED  ***
000018                    DS    F                ***  RESERVED  ***
00001C           FACPRIV  DS    F                AREA PRIVACY KEY    ON=DISALLOWED
                 *                                   N/A X'00000001'  ERASE
                 *                                   N/A X'00000002'  FIND
                 *                                   N/A X'00000004'  GET
                 *                                   N/A X'00000008'  CONNECT
                 *                                   N/A X'00000010'  MODIFY
                 *                                   N/A X'00000020'  DISCONNECT
                 *                                   N/A X'00000040'  KEEP
                 *                                   N/A X'00000080'  STORE
                 *                                       X'00000100'  READY SHR  RET
                 *                                       X'00000200'  READY PROT RET
                 *                                       X'00000400'  READY EXCL RET
                 *                                       X'00000800'  READY SHR  UPD
                 *                                       X'00001000'  READY PROT UPD
                 *                                       X'00002000'  READY EXCL UPD
000020                    DS    H                ***  RESERVED  ***
000022           FACRSRV  DS    H                RESERVED SPACE OF AREA
000024           FACNAME  DS    CL18             AREA NAME
000036           FACDEFMO DS    XL1              DEFAULT LOCK MODE FOR THIS AREA
000037           FACFLAG1 DS    XL1              GENERAL FLAG BYTE
         00080   FACPRCL  EQU   X'80'            PRECLAIM TBSP LOCK FLAG
000038           FACD2S2  DS    XL8              TABLESPACE D2S2
000040           FACDBNAM DS    CL8              DBNAME or SEGMENT for a BOUND FIB
000048           FACSAN   DS    A                NEXT SA OF AC-SA
00004C           FACDYNPG DS    F                DISPLACEMENT IN VSA FOR PAGE RANGE
         00004   FACRLDS  EQU   4                # OF RLDS TO RESOLVE AT COMPILE TIME
000050           FACEND   DS    0F               END OF DSECT
         00050   FACDSLEN EQU   *-FAC            LENGTH OF DSECT
                 ***
                 ***
                 ***  VAC:     VARIABLE AC56 SUBSCHEMA TABLE ELEMENT
                 ***
                 ***
000000           VAC      DSECT
000000           VACLKMO  DS    XL1              LOCK MODE (REQUESTED)
000001           VACLKMC  DS    XL1              LOCK MODE (CUMULATIVE)
000002           VACFLAGS DS    XL1              FLAG BYTE
         00080   VACAJTSW EQU   X'80'              MUST WRITE AREA JOURNAL RECORD
         00040   VACDVAL  EQU   X'40'              D2S2 IS VALID
         00020   VACDINV  EQU   X'20'              D2S2 IS INVALID
         00060   VACDCHK  EQU   VACDVAL+VACDINV    OFF = D2S2 NOT CHECKED
         00010   VACNOUPD EQU   X'10'              Area cannot be readied for update
         00004   VACPROCB EQU   X'04'              BFOR PROCS PRESENT
         00002   VACPROCA EQU   X'02'              AFTR PROCS PRESENT
         00001   VACPROCE EQU   X'01'              EROR PROCS PRESENT
000003           VACLKMR  DS    XL1              LOCK MODE CUMULATIVE (LKMC) FOR
```

```
Offset  Value

                *                                 PURPOSES OF ROW LOCKING AND
                *                                 WHETHER AREA CAN BE UPDATED
000004          VACCDBK  DS    F                CURRENT DBKEY OF AREA
000008          VACLDBK  DS    F                LAST DBKEY OF AREA
00000C          VACCDEF  DS    F                CURRENT SR51 REC DEF OF AREA
000010          VACVIBA  DS    A                ADDR OF VARIABLE IB50
000014          VACDPRO  DS    A                OWNER DPR OF PR60-AC56
000018          VACNLKGA DS    A                ADDR OF LKG FOR NOTIFY LOCK if not row
                *                                 locking shared area
00001C                   DS    X                RESERVED
00001D          VAC#VUP  DS    X                # of times area varied UPDATE
00001E          VACRSRV  DS    H                RESERVED SPACE OF AREA.
000020          VACNVSTG DS    F                ADDR OF NATIVE VSAM STORAGE
000024          VACLKGA  DS    A                ADDR OF LKG FOR TBSP LOCK
000028          VACCLKGA DS    A                ADDR OF LKG FOR CURRENT TBSP LOCK
00002C          VACEND   DS    0F               END OF DSECT
        0002C   VACDSLEN EQU   *-VAC            LENGTH OF DSECT
```

1.39 #FAMDS

```
                    #FAMDS
            ***
            ***
            ***   FAM:     AREA MEMBERSHIP OF RECORD
            ***
            ***

Offset  Value

000000          FAM      DSECT                           05/27/90 13:58:22   02/26/91
000000          FAM57    DS    CL4              'AM57'
000004          FAMDYN   DS    F                DISPLACEMENT TO VAM (NOT USED)
000008          FAMACN   DS    A                NEXT AM OF AC-AM
00000C          FAMACO   DS    A                OWNER AC OF AC-AM
000010                   DS    F                ***  RESERVED  ***
000014                   DS    F                ***  RESERVED  ***
000018          FAMSRO   DS    A                OWNER SR OF SR-AM
00001C          FAMSRN   DS    A                NEXT AM OF SR-AM
        00004   FAMRLDS  EQU   4                # OF RLDS TO RESOLVE AT COMPILE TIME
000020          FAMEND   DS    0F               END OF DSECT
        00020   FAMDSLEN EQU   *-FAM            LENGTH OF DSECT
```

1.40 #FAPDS

```
                    #FAPDS
            ***
            ***
            ***  FAP:     FIXED AP72 SUBSCHEMA TABLE ELEMENT DSECT
            ***                     AREA PROCEDURE JUNCTION BLOCK
            ***

Offset  Value

000000          FAP      DSECT                           05/27/90 13:59:02   02/26/91
000000          FAP72    DS    CL4              'AP72'
000004          FAPDYN   DS    F                DISPLACEMENT TO VAP (NOT USED)
000008          FAPACN   DS    A                NEXT AP OF AC-AP
00000C          FAPPCO   DS    A                OWNER PC OF PC-AP
000010          FAPTIME  DS    H                PROCEDURE CALL TIME
000012          FAPFUNC  DS    H                PROCEDURE CALL FUNCTION (DML VERB)
000014          FAPMODE  DS    XL1              PROCEDURE CALL OPEN MODE
000015          FAPACSS  DS    XL1              PROCEDURE CALL OPEN ACCESS
000016                   DS    H                NOT USED
000018          FAPEND   DS    0F               END OF DSECT
        00002   FAPRLDS  EQU   2                # OF RLDS TO RESOLVE AT COMPILE TIME
        00018   FAPDSLEN EQU   *-FAP             LENGTH OF DSECT
```

1.41 #FCBDS

```
                         #DMCLDS TYPE=FCBDS
                 ********************************************************************
                 *       FCB (FILE) runtime DMCL control block             04/26/99 *
                 ********************************************************************

Offset  Value

000000          FCB      DSECT
000000          FCB59    DS    CL4       'FC59'
000004          FCBFLAG1 DS    XL1       flag 1
        00080   FCBTAPE  EQU   X'80'       -  Used in JCB
        00040   FCBARCH  EQU   X'40'       -  Used in JCB
        00020   FCBEXCPN EQU   X'20'       -  Do Not use EXCP or XA type I/O
        00010   FCBALLC  EQU   X'10'       -  Allocate the File
        00008   FCBDALLC EQU   X'08'       -  De-Allocate the file
        00004   FCBNDDN  EQU   X'04'       -  No DDname
        00002   FCBNDSN  EQU   X'02'       -  No DSname
        00001   FCBJDSN  EQU   X'01'       -  DSname from JCL
000005          FCBFLAG2 DS    XL1       flag 2
        00080   FCB1TO1  EQU   X'80'       -  FILE maps 1-to-1 to AREA
        00040   FCBDDSN  EQU   X'40'       -  DSname from DCMT
        00020   FCBVDSP  EQU   X'20'       -  Alter DISP
        00010   FCBALLOC EQU   X'10'       -  File has been allocated
        00008   FCBDROP  EQU   X'08'       -  VARY DMCL detected DROPPED FILE
        00004   FCBNEW   EQU   X'04'       -  VARY DMCL detected NEW FILE
        00002   FCBVARY  EQU   X'02'       -  VARY DMCL caused this FC59 to VARY
        00001   FCBDEAD  EQU   X'01'       -  VARY DMCL made this FC59 DEAD
000006          FCBNAME  DS    CL27      PHYSICAL FILE NAME
000021          FCBDTIME DS    CL8       DATETIME stamp
000029          FCBDDNAM DS    CL8       DDNAME
000031          FCBEFLAG DS    XL1       Dataspace/CACHE Flag
        00080   FCBEDSPC EQU   X'80'       -  Dataspace = Yes
        00040   FCBEPREL EQU   X'40'       -  Preload = Yes
        00020   FCBETRKR EQU   X'20'       -  Track Read
        00010   FCBECYLR EQU   X'10'       -  Cylinder Read
        00008   FCBENCOV EQU   X'08'       -  Not Covered
        00004   FCBESHRD EQU   X'04'       -  Shared Dataspace
        00002   FCBECACH EQU   X'02'       -  SHARED CACHE is active
000032          FCBDTYP  DS    H         file device type
        0005E   FCBDKSDS EQU   94          -  Native VSAM KSDS
        0005F   FCBDESDS EQU   95          -  Native VSAM ESDS
        00060   FCBDRRDS EQU   96          -  Native VSAM RRDS
        00061   FCBDPATH EQU   97          -  Native VSAM Path
        00062   FCBDVSAM EQU   98          -  IDMS VSAM
000034          FCBPGSZ  DS    F         page size of FILE
000038          FCBPGNM  DS    F         number of pages in FILE
00003C          FCBNVSET DS    CL18      SET name for NATIVE VSAM PATH
00004E          FCBBLKSZ DS    H         FILE'S blksize or control interval size
000050          FCBDMN   DS    A         next in DM58-FC59
000054          FCBBCN   DS    A         next in BC53-FC59
000058          FCBFMN   DS    A         next in FC59-FM61
00005C          FCBBCO   DS    A         owner BC53
000060          FCBDTFA  DS    0A        addr of FILE'S DTF (DOS)
000060          FCBACBA  DS    0A        addr of FILE'S ACB (VSAM)
000060          FCBDCBA  DS    A         addr of FILE'S DCB (OS)
000064          FCBSGO   DS    A         owner SG49
000068          FCBRBN   DS    F         relative block number
00006C          FCBOPST  DS    CL1       OPEN indicator for FILE
        00000   FCBOPCLS EQU   X'00'       -  Close
        00001   FCBOPOPN EQU   X'01'       -  Open
        00002   FCBOPDUM EQU   X'02'       -  Dummy
        00003   FCBOPERR EQU   X'03'       -  Error
00006D          FCBFLAG  DS    CL1       usage indicator switch
```

```
Offset  Value

00006E          FCBERRB  DS    H         ERROR return indicator from DAMOD
000070          FCBBYTK  DS    F         capacity BYTES per TRACK
000074          FCBPGTK  DS    F         pages per TRACK
000078          FCBLOCK  DS    F         MT lock word.
00007C          FCBIOX2  DS    F         Reserved for IDMSIOX2 user exit.
000080          FCBUSER  DS    F         addr of FCB user fullword
                *
000084          FCBQSAM  DS    0XL2      info used in IDMSQSAM process
000084          FCBQSAMF DS    XL1       IDMSQSAM flag byte
        00080   FCBQSAM1 EQU   X'80'       -  on if QSAM opened once
        00040   FCBQSAMN EQU   X'40'       -  on if QSAM not allowed for file
        00020   FCBQSAMO EQU   X'20'       -  on if QSAM currently open.
        00010   FCBQSAMC EQU   X'10'       -  on if QSAM checks were done.
000085          FCBBUFNO DS    XL1       number of QSAM buffers
                *
000086          FCBNCRIT DS    XL1       DCMT VARY DMCL non critical changes
        00080   FCBNCRI1 EQU   X'80'       -  on if file's BUFFER name changed
        00040   FCBNCRI2 EQU   X'40'       -  on if file's DDNAME changed
        00020   FCBNCRI3 EQU   X'20'       -  on if file's DISP changed
        00010   FCBNCRI4 EQU   X'10'       -  on if file's DATASPACE changed
        00008   FCBNCRI5 EQU   X'08'       -  on if file's SHARED CACHE changed
                *
000087          FCBFLAG5 DS    XL1       Misc Flags.
        00080   FCBNOX2  EQU   X'80'       -  on if IDMSIOX2 exit disabled.
        00040   FCBNOSC  EQU   X'40'       -  on if Shared Cache  disabled.
        00020   FCBNODS  EQU   X'20'       -  on if Dataspace     disabled.
        00010   FCBNOIO  EQU   X'10'       -  on if normal I/O    disabled.
        00008   FCBVALI  EQU   X'08'       -  on if this FC59 passed FILE validation
        00004   FCBFCACH EQU   X'04'       -  on if flush cache needed.
        00002   FCBGRPOP EQU   X'02'       -  on if Group has file open.
        00001   FCBNORC  EQU   X'01'       -  on if Read Cache    disabled.
                *
000088          FCBFSTA  DS    F         address of FILE status block
00008C          FCBJFCBA DS    F         addr of OS's JFCB
000090          FCBOPNMD DS    CL1       OPEN mode always 1 for UPDATE
000091          FCBNVRET DS    CL1       OPEN flag,    1 = UPDATE, 0 = RETRIEVAL
000092          FCBNVCIN DS    H         CALC FILE flag for NATIVE VSAM (1=CALC FILE)
000094          FCBXECB  DS    3F        ECB for control of JOURNAL BUFF and FILE
0000A0          FCBFMC   DS    A         IDMSBLDR current FM61 (used only at startup)
0000A4          FCBMCXN  DS    A         NEXT MCX
0000A8          FCBMCXP  DS    A         PRIOR MCX
0000AC          FCBSGN   DS    A         next in SG49-FC59
0000B0          FCBRPT   DS    F         Records Per Track
                *
0000B4          FCBFLAG3 DS    XL1       Flag 3
        00080   FCBDSPST EQU   X'80'       -  DISP=SHR
        00040   FCBDSPNT EQU   X'40'       -  DISP=NEW
        00020   FCBDSPMT EQU   X'20'       -  DISP=MOD
        00010   FCBDSPOT EQU   X'10'       -  DISP=OLD
        00008   FCBDSPS  EQU   X'08'       -  DISP=SHR
        00004   FCBDSPN  EQU   X'04'       -  DISP=NEW
        00002   FCBDSPM  EQU   X'02'       -  DISP=MOD
        00001   FCBDSPO  EQU   X'01'       -  DISP=OLD
                *
0000B5          FCBFLAG4 DS    XL1       Flag 4
        00080   FCBOPN   EQU   X'80'       -  Opened once
        00040   FCBFAILO EQU   X'40'       -  Open failed
        00020   FCBMIOFF EQU   X'20'       -  MIO is off
        00010   FCBNOMIO EQU   X'10'       -  Don't use MIO
        00008   FCBNOMB# EQU   X'08'       -  MIO not usable - too few buffers
        00004   FCBDDST  EQU   X'04'       -  FCB backed by a DD statement
                *
0000B6          FCBBUFIO DS    XL1       number of BUFNO
0000B7          FCBBUFNP DS    XL1       number of NCP
0000B8          FCBFBUF  DS    H         number of buffers from SYSIDMS FILE_BUF=
0000BA          FCBFM61# DS    H         Number of FM61's for this FC59
```

```
Offset  Value

0000BC          FCBDCBAS DS    A         used in JCB
0000C0          FCBCHNDL DS    A         IDMSDBIO uses to anchor #CACHE Handle.
0000C4          FCBXDCBA DS    A         Addr of XDCB
0000C8          FCBFLAG6 DS    XL1       Flag 6
        00080   FCBDSPCE EQU   X'80'       -  Dataspace = yes   - From DMCL
        00004   FCBSHRDE EQU   X'04'       -  Shared Dataspace  - From DMCL
0000C9          FCBFLAG7 DS    XL1       Flag 7
        00080   FCBWMST  EQU   X'80'       -  Warmstart using this FCB
0000CA          FCBFLAG8 DS    XL1       Flag 8
0000CB          FCBFLAG9 DS    XL1       Flag 9
0000CC                   DS    1F        ***  not used  ***
0000D0          FCBCACHE DS    CL16      SHARED CACHE name
0000E0          FCBEND   DS    0F        end of fixed DSECT
        000E0   FCBDSLEN EQU   *-FCB     length of fixed DSECT
0000E0          FCBDAD   DS    0X        DAD section
0000E0          FCBDSN   DS    CL44      DSN
00010C          FCBDISP  DS    CL3       DISPOSITION
00010F          FCBDADST DS    CL1       DAD status
000110          FCBUID   DS    CL8       VM User ID
000118          FCBVADD  DS    F         VM Virtual Address
00011C                   DS    F         ***  not used  ***
000120                   ORG   FCBUID
000110          FCBVOL   DS    CL6       VSE volser
000116                   ORG   FCBDAD
0000E0          FCBB2DSN DS    CL54      BS2K DSN
000116          FCBB2SHR DS    CL4       BS2K SHARUPD
00011A                   DS    XL6       * Reserved for future BS2K expansion *
000120          FCBEXEND DS    0F        end of extended DSECT
        00040   FCBDADL  EQU   *-FCBDAD  length of DAD section
        00120   FCBEXLEN EQU   *-FCB     length of extended DSECT
```

1.42 #FCRDS

```
                         #FCRDS VARS=YES
                 ***
                 ***
                 ***  FCR:     FIXED CR55 SUBSCHEMA TABLE ELEMENT
                 ***                      SORTED RECORD CONTROL DESCRIPTOR
                 ***

Offset  Value

000000           FCR      DSECT                           05/27/90 13:59:43   02/26/91
000000           FCR55    DS    CL4              'CR55'
000004           FCRDYN   DS    F                DISPLACEMENT TO VCR
000008                    DS    F                RESERVED FOR CR/FK/CK COMPATABILITY
00000C           FCRMRN   DS    A                NEXT CR OF MR-CR.
000010           FCRFPOS  DS    F                DISPLACEMENT OF FIELD IN OBJECT REC,
                 *                                  -1 IF SORTED ON DBKEY.
000014           FCRFLTH  DS    F                FIELD LENGTH.
000018           FCRSORT  DS    H                SORT OPTION:
                 *                                  0 = ASCENDING.
                 *                                  1 = DESCENDING.
                 *                                  2 = MATCH FIELD.
00001A           FCRDTY   DS    X                FIELD DATA TYPE
00001B           FCRFLAG  DS    XL1              GENERAL FLAG BYTE
        00080    FCRIFLD  EQU   X'80'            NULL INDICATOR CR
        00040    FCRKYCL  EQU   X'40'            Ky Fld beyond CTRL len. - For FFK sync.
        00001    FCRRLDS  EQU   1                # OF RLDS TO RESOLVE AT COMPILE TIME
00001C           FCREND   DS    0F               END OF DSECT
        0001C    FCRDSLEN EQU   *-FCR            LENGTH OF DSECT
                 ***
                 ***
                 ***  VCR:     VARIABLE CR55 SUBSCHEMA TABLE ELEMENT
                 ***
                 ***
000000           VCR      DSECT
000000           VCRUFLD  DS    A                ADDR OF USER'S FIELD IN UWA
000004           VCRFLAG  DS    X                CONTROL FIELD WORK FLAG      IDMS/1300
        00080    VCRNFLD  EQU   X'80'            NEW IFR SQL CONTROL FIELD    IDMS/1300
000005                    DS    XL3              RESERVED                     IDMS/1300
000008           VCREND   DS    0F               END OF DSECT
        00008    VCRDSLEN EQU   *-VCR            LENGTH OF DSECT
```

1.43 #FFDDS

```
                         #FFDDS
                ***
                ***
                ***  FFD:     FIXED FD54 SUBSCHEMA TABLE ELEMENT
                ***
                ***

Offset  Value

000000          FFD      DSECT                           05/27/90 14:00:30   02/26/91
000000          FFD54    DS    CL4              'FD54'
000004          FFDDYN   DS    F                DISPLACEMENT TO VFD (NOT USED)
000008                   DS    F                RESERVED
00000C          FFDSCHL  DS    H                SCHEMA LENGTH
00000E          FFDSCHP  DS    H                SCHEMA POSITION
000010          FFDSUBL  DS    H                SUBSCHEMA LENGTH
                *                                 (-1 = OCCURS DEPENDING ON)
                *                                 (-2 = NULL   DEPENDING ON)
000012          FFDSUBP  DS    H                SUBSCHEMA POSITION
000014          FFDSCHT  DS    H                SCHEMA TYPE
000016          FFDSUBT  DS    H                SUBSCHEMA TYPE
000018          FFDSRN   DS    A                NEXT FD OF SR-FD
00001C          FFDCTLL  DS    H                'DEPENDING ON' CONTROL FLD LENGTH
00001E          FFDCTLP  DS    H                'DEPENDING ON' CONTROL FLD POSITION
000020          FFDOCCL  DS    H                SINGLE OCCURENCE LENGTH
000022                   DS    H                RESERVED
        00001   FFDRLDS  EQU   1                # OF RLDS TO RESOLVE AT COMPILE TIME
000024          FFDEND   DS    0F               END OF DSECT
        00024   FFDDSLEN EQU   *-FFD            LENGTH OF DSECT
```

1.44 #FFKDS

```
                         #FFKDS VARS=YES
                ***
                ***
                ***  FFK:     FIXED FK76 SUBSCHEMA TABLE ELEMENT
                ***

Offset  Value

000000          FFK      DSECT                           05/27/90 13:48:43   02/26/91
000000          FFK76    DS    CL4              'FK76'
000004          FFKDYN   DS    F                DISPLACEMENT TO VFK
000008          FFKMRO   DS    A                OWNER MR OF MR-FK
00000C          FFKMRN   DS    A                NEXT FK OF MR-FK.
000010          FFKFPOS  DS    F                DISPLACEMENT OF FIELD IN OBJECT REC,
000014          FFKFLTH  DS    F                FIELD LENGTH.
000018                   DS    H                ***  RESERVED  ***
00001A          FFKDTY   DS    X                FIELD DATA TYPE
00001B          FFKFLAG  DS    XL1              FLAG BYTE
        00080   FFKNULL  EQU   X'80'             - FIELD IS NULLABLE
        00040   FFKKYCL  EQU   X'40'            Key field beyond CTRL len.
00001C          FFKNULLP DS    H                DISPLACEMENT OF NULL INDICATOR FIELD
00001E          FFKNULLL DS    H                NULL INDICATOR LENGTH
000020                   DS    F                RESERVED
        00002   FFKRLDS  EQU   2                # OF RLDS TO RESOLVE AT COMPILE TIME
000024          FFKEND   DS    0F               END OF DSECT
        00024   FFKDSLEN EQU   *-FFK            LENGTH OF DSECT
                ***
                ***
                ***  VFK:     VARIABLE FK76 SUBSCHEMA TABLE ELEMENT
                ***
                ***
000000          VFK      DSECT
000000          VFKUFLD  DS    A                ADDR OF USER'S FIELD IN UWA
000004          VFKIFLD  DS    A                ADDR OF IND BYTE IN UWA
000008          VFKEND   DS    0F               END OF DSECT
        00008   VFKDSLEN EQU   *-VFK            LENGTH OF DSECT
```

1.45 #FIBDS

```
                    #FIBDS
            ***
            ***
            ***  FIB:     Fixed IB50 subschema table element
            ***
            ***

Offset  Value

000000          FIB      DSECT                                          02/26/91
000000          FIB50    DS    CL4              'IB50'
000004          FIBDYN   DS    F                Displacement into WORK AREA (0'S)
000008          FIBSRN   DS    A                Next SR of IB-SR
00000C          FIBACN   DS    A                Next AC of IB-AC
000010          FIBPCN   DS    A                Next PC of IB-PC
000014          FIBSSNAM DS    CL8              SUBSCHEMA name
00001C          FIBCDATE DS    XL8              SUBSCHEMA compiled DATETIME stamp
000024          FIBSIZE  DS    F                Total LENGTH of the FIB
000028                   DS    F                ***  reserved  ***
00002C          FIBDATE  DS    CL8              Displayable SUBSCHEMA compiled DATE
000034          FIBTIME  DS    CL8              Displayable SUBSCHEMA compiled TIME
00003C                   DS    3F               ***  reserved  ***
000048          FIBSSVER DS    F                SUBSCHEMA VERSION compiled under
00004C          FIBVSEL  DS    F                Variable SS elements length
000050          FIBVSBL  DS    F                Subschema BUFFER length
000054          FIBMAXSS DS    F                Max SUBSCHEMA data length
000058          FIBMAXS  DS    F                Max SCHEMA record length
00005C          FIBFLAG1 DS    XL1              FLAG:
        00080   FIBCONV  EQU   X'80'              -  SUBSCHEMA converted to REL 12.0
        00040   FIBHLDB  EQU   X'40'              -  SUBSCHEMA is driven by HLDB
00005D          FIBFLAG  DS    XL1              FLAG:
        00080   FIBFDCT  EQU   X'80'              -  SSC contains DCTABLE (PRESSTO)
        00040   FIBBOUND EQU   X'40'              -  This is a BOUND subschema
        00020   FIBRELSS EQU   X'20'              -  This is a RELATIONAL subschema
        00010   FIBPRAR  EQU   X'10'              -  There are PRECLAIMED AREA(s)
        00008   FIBNOSI  EQU   X'08'              -  Skip "SET ITERATE" code in LRF
        00004   FIBDMLOK EQU   X'04'              -  Non-LRF DML requests are ALLOWED
        00002   FIBLROK  EQU   X'02'              -  LRF requests ALLOWED for this SS
        00001   FIBAARSW EQU   X'01'              -  AUTO AREA READY allowed
00005E          FIBRECNT DS    H                Number of subschema record types
000060          FIBLVPA  DS    A                Address of the LRF LITERAL VALUE POOL
000064          FIBLRN   DS    A                Next in FIB-FLR chain
000068          FIBVXPSZ DS    H                Size of largest LRF VXDE POOL needed
00006A          FIBIRPSZ DS    H                Size of largest LRF INTERMEDIATE POOL
00006C          FIBLVPSZ DS    H                Size of the LRF LITERAL VALUE POOL
00006E          FIBLOCL  DS    H                Locale (charset) codeword
000070          FIBLBN   DS    A                Next LB of IB-LB
000074          FIBORN   DS    A                Next OR of IB-OR
000078          FIBINDEX DS    0XL(4*12)        Sorted table indexes
000078          FIBIXAC  DS    XL12             AC56 index (sorted by AREA name)
000084          FIBIXSR  DS    XL12             SR51 index (sorted by SCHEMA.REC name)
000090          FIBIXOR  DS    XL12             OR52 index (sorted by SCHEMA.SET name)
00009C          FIBIXLB  DS    XL12             LB74 index (sorted by SCHEMA name)
        00004   FIBINDXL EQU   (*-FIBINDEX)/12  Number of indexes
0000A8          FIBTIXS  DS    0XL(4*52)        Index TIX headers
0000A8          FIBTXAC  DS    XL52             AC56 index header
0000DC          FIBTXSR  DS    XL52             SR51 index header
000110          FIBTXOR  DS    XL52             OR52 index header
000144          FIBTXLB  DS    XL52             LB74 index header
        00004   FIBTIXL  EQU   (*-FIBTIXS)/52   Number of TIX headers
        00013   FIBRLDS  EQU   19               # of RLDS to resolve at compile time
000178          FIBEND   DS    0F               End of DSECT
```

```
00178  FIBDSLEN EQU   *-FIB            Length of DSECT
```

1.46 #FLBDS

```
                         #FLBDS
                ***
                ***
                ***  FLB:     FIXED LB74 SUBSCHEMA TABLE ELEMENT
                ***
                ***

Offset  Value

000000          FLB      DSECT                           05/27/90 13:56:07   02/26/91
000000          FLB74    DS    CL4              'LB74'
000004          FLBDYN   DS    F                DISPLACEMENT TO VLB (NOT USED)
000008          FLBIBN   DS    A                NEXT LB OF IB-LB
00000C          FLBNAME  DS    CL18             SCHEMA NAME
00001E                   DS    H                *** RESERVED  ***
        00001   FLBRLDS  EQU   1                # OF RLDS TO RESOLVE AT COMPILE TIME
000020          FLBEND   DS    0F               END OF DSECT
        00020   FLBDSLEN EQU   *-FLB            LENGTH OF DSECT
```

1.47 #FLQDS

```
                         #FLQDS VARS=YES
                 ***
                 ***
                 ***  FLQ:     FIXED LQ81 SUBSCHEMA TABLE ELEMENT
                 ***
                 ***

Offset  Value

000000           FLQ      DSECT                           05/07/90 12:29:30
000000           FLQ81    DS    CL4               'LQ81'
000004           FLQLRN   DS    A                 NEXT LQ OF LR-LQ
000008           FLQPHN   DS    A                 NEXT PH OF LQ-PH
00000C           FLQSDN   DS    A                 NEXT SD OF LQ-SD
000010           FLQDYN   DS    F                 OFFSET INTO VIBVSEA OF VLQ BLK
000014           FLQRQST  DS    CL8               LR REQUEST VERB NAME
        00003    FLQRLDS  EQU   3                 # OF RLDS TO RESOLVE AT COMPILE TIME
00001C           FLQEND   DS    0F                END OF DSECT
        0001C    FLQDSLEN EQU   *-FLQ             LENGTH OF DSECT
                 ***
                 ***
                 ***  VLQ:     VARIABLE LQ81 SUBSCHEMA TABLE ELEMENT
                 ***
                 ***
000000           VLQ      DSECT
000000           VLQVPSN  DS    A                       NEXT IN VLQ-VPS CHAIN        R
000004           VLQVPSP  DS    A                       PRIOR IN VLQ-VPS CHAIN
000008           VLQFSDC  DS    A                       MOST RECENT SD DESCRIPTION
00000C                    DS    3F                      RESERVED
000018           VLQEND   DS    0F                      END OF DSECT
        00018    VLQDSLEN EQU   *-VLQ                   LENGTH OF DSECT
```

1.48 #FLRDS

```
                         #FLRDS VARS=YES
               ***
               ***
               ***  FLR:     FIXED LR80 SUBSCHEMA TABLE ELEMENT
               ***

Offset  Value

000000         FLR      DSECT                          05/07/90 12:28:47   07/24/90
000000         FLR80    DS    CL4               'LR80'
000004         FLRLQN   DS    A                 NEXT LQ OF LR-LQ
000008         FLRIBN   DS    A                 NEXT LR OF IB-LR
00000C         FLRDYN   DS    F                 DISPLACEMENT TO VLR
000010         FLRNAME  DS    CL16              LOGICAL RECORD NAME
000020                  DS    F                 *** RESREVED  ***
000024         FLRLTH   DS    F                 LENGTH IN BYTES OF LOGICAL RECORD
000028         FLRNELEM DS    H                 NUMBER OF ELEMENTS (RECORDS) IN LR
00002A         FLRFLAG  DS    XL1               FLAG VALUES FOR CLEAR FLAGS
        00001  FLRCLER  EQU   X'01'               -  CLEAR ON ERROR
        00002  FLRCLNF  EQU   X'02'               -  CLEAR ON NOT-FOUND
00002B                  DS    XL1               RESERVED.
00002C                  DS    6F                RESERVED.
        00002  FLRRLDS  EQU   2                 # OF RLDS TO RESOLVE AT COMPILE TIME
000044         FLRELEMS DS    0F                START OF ELEMENT DESCRIPTOR ARRAY.
000044         FLREND   DS    0F                END OF DSECT
        00044  FLRDSLEN EQU   *-FLR             LENGTH OF DSECT
               ***
               ***  FLRE:    LOGICAL RECORD ELEMENT DSECT
               ***
000000         FLRE     DSECT
000000         FLRESRA  DS    A                 ADDRESS OF SR51 FOR RECORD ELEMENT
000004         FLRELEOF DS    F                 RECORD OFFSET INTO THE LR BUFFER
        00001  FLRERLDS EQU   1                 # OF RLDS TO RESOLVE AT COMPILE TIME
000008         FLREEND  DS    0F                END OF DSECT
        00008  FLREDLEN EQU   *-FLRE            LENGTH OF DSECT
               ***
               ***
               ***  VLR:     VARIABLE LR80 SUBSCHEMA TABLE ELEMENT
               ***
               ***
000000         VLR      DSECT
000000         VLRB1A   DS    A                   ADDRESS OF BAT1 TABLE
000004         VLRB2A   DS    A                   ADDRESS OF BAT2 TABLE
000008         VLRELEMA DS    A                   ADDRESS OF ELEMF ARRAY
00000C                  DS    3F                  RESERVED
               *
000018         VLRBAT1  DS    0F                  FIRST BASE ADDRESS TABLE
000018         VLRB1IRP DS    A                   A(IRP)
00001C         VLRB1LVP DS    A                   A(LVP)
000020         VLRB1XXX DS    A                   A(0) FOR BAT1 TABLE
000024         VLRB1LRE DS    0A   ...            ONE ADDRESS PER ELEMENT IN LR
               *
               *  BAT2 ARRAY ADDRESS STARTS AT:
               *       (3+FLRNELEM)*4 + VLR + 24
               *
000024                  ORG   VLRBAT1
000018         VLRBAT2  DS    0F
000018         VLRB2IRP DS    A                   A(IRP)
00001C         VLRB2LVP DS    A                   A(LVP)
000020         VLRB2SSR DS    A                   A(SS REC BUFFER) = VIBVSBA
000024         VLRB2LRE DS    0A   ...            ONE ADDRESS PER ELEMENT IN LR
               *
```

```
                 *  ELEMF ARRAY ADDRESS STARTS AT:
                 *       (3+FLRNELEM)*8 + VLR + 24
                 *
000024                   ORG   VLRBAT1
000018           VLRELEMF DS    0C   ...            THESE FLAG BYTES CONTAIN A 1
                 *                      IF THE CORRESPONDING ELEMENT IN THE LR BUFFER
                 *                      HAS BEEN FILLED IN BY A 'GET' VERB.  IF NOT,
                 *                      THE FLAG BYTE IS 0.
                 *
                 *  THE TOTAL LENGTH OF THE VLR IS COMPUTED AS:
                 *
                 *   (9 * FLRNELEM) + 48    ROUNDED UP TO THE NEXT FULLWORD.
                 *
                 *
```

1.49 #FMRDS

```
                         #FMRDS VARS=YES
                 ***
                 ***
                 ***  FMR:     FIXED MR53 SUBSCHEMA TABLE ELEMENT
                 ***
                 ***

Offset  Value

000000           FMR      DSECT                            05/30/90 10:25:40   02/26/91
000000           FMR53    DS    CL4              'MR53'
000004           FMRDYN   DS    F                DISPLACEMENT TO VMR
000008           FMRORN   DS    A                NEXT MR OF OR-MR
00000C           FMRCRN   DS    A                NEXT CR OF MR-CR
000010           FMRSRN   DS    A                NEXT MR OF SR-MR
000014           FMRSRP   DS    A                PRIOR MR OF SR-MR
000018           FMRSRO   DS    A                OWNER SR OF SR-MR
00001C           FMRORIG  DS    H                IF REC ID=6 THEN ORIGINAL ID
00001E           FMRRID   DS    H                RECORD ID OF MEMBER RECORD
000020           FMRNPOS  DS    F                NEXT DBKEY DISPLACEMENT
000024           FMRPPOS  DS    F                PRIOR DBKEY DISPLACEMENT
000028           FMROPOS  DS    F                OWNER DBKEY DISPLACEMENT
00002C           FMRORO   DS    A                OWNER OR OF OR-MR
000030                    DS    F                ***  RESERVED  ***
000034                    DS    H                ***  RESERVED  ***
000036           FMRIX    DS    XL1              INDEX SET FLAGS:
        00000    FMRIXUNC EQU   0                   0 = KEYS ARE UNCOMPRESSED.
        00001    FMRIXCOM EQU   1                   1 = KEYS ARE COMPRESSED.
000037           FMRDUPS  DS    XL1              DUPLICATE CONTROL OPTION
        00000    FMRDUP$N EQU   0                   0 - DUPS NOT ALLOWED
        00001    FMRDUP$F EQU   1                   1 - DUPS FIRST
        00002    FMRDUP$L EQU   2                   2 - DUPS LAST
        00003    FMRDUP$U EQU   3                   3 - UNORDERED (NVSAM).
        00004    FMRDUP$D EQU   4                   4 - Dups ordered by DBkey
000038           FMRMEMB  DS    XL1              SET MEMBERSHIP TYPE
        00001    FMRMAN   EQU   1                   MANUAL
                 *                                  0 - MANDATORY AUTOMATIC
                 *                                  1 - MANDATORY MANUAL
                 *                                  2 - OPTIONAL AUTOMATIC
                 *                                  3 - OPTIONAL MANUAL
000039           FMRLINK  DS    XL1              STORE LINK OPTION
                 *                                  0 - LINK ON OWNER (F,L,S)
                 *                                  1 - LINK ON CURRENT (N,P)
00003A           FMRVIA   DS    XL1              VIA CONTROL OPTION
                 *                                  0 - NOT VIA THIS SET
                 *                                  1 - VIA THIS SET
00003B           FMRCALC  DS    XL1              CALC FLAG
                 *                                  0 - NOT CALC
                 *                                  1 - CALC
00003C           FMRFKN   DS    A                NEXT FK OF MR-FK
000040           FMRFLAG1 DS    XL1              FLAG BYTE
        00080    FMRKNUL  EQU   X'80'            KEY IS NULLABLE
        00040    FMRNAT   EQU   X'40'            Collating sequence is natural.
        00020    FMRKYCL  EQU   X'20'            Key field beyond CTRL len.
        00008    FMRKSPK  EQU   X'08'            nVSAM KSDS primary key mapping set.
000041           FMRTYPE  DS    XL1              SET TYPE
        00000    FMRSTST  EQU   0                   0 - STANDARD SET
        00001    FMRKYST  EQU   1                   1 - REF KEY MAP SET
        00002    FMREFST  EQU   2                   2 - REFERENTIAL SET
000042                    DS    XL2              RESERVED
000044           FMRMRC   DS    A                FKEY CTRL MR FOR UNLKED RELS
```

```
        00008  FMRRLDS  EQU   8                # OF RLDS TO RESOLVE AT COMPILE TIME
000048         FMREND   DS    0F               END OF DSECT
        00048  FMRDSLEN EQU   *-FMR            LENGTH OF DSECT
               ***
               ***
               ***  VMR:     VARIABLE MR53 SUBSCHEMA TABLE ELEMENT DSECT
               ***
               ***
000000         VMR      DSECT
000000         VMRTICK  DS    XL1              SS REC TYPE PATH RETURN MARK
000001         VMRMOD   DS    XL1              MODIFY TICK MARK
        00080  VMRSKY   EQU   X'80'              SORT KEY HAS BEEN MODIFIED
        00040  VMRFKY   EQU   X'40'              FOREIGN KEY HAS BEEN MODIFIED
000002         VMRUPDT  DS    XL1              UPDATE STATUS
        00000  VMRUPDT1 EQU   X'00'              VALAV HAS NOT TESTED THIS
        00001  VMRUPDT2 EQU   X'01'              SET IS OPENED UPDATE
000003         VMRFLAG  DS    XL1              FLAG BYTE
        00080  VMRKINL  EQU   X'80'              REFSET KEY IS NULL
000004         VMRMODSR DS    F                UNLINKED INDEX MEMBER'S SR8
000008         VMRFSTTS DS    XL1              KEY'S NULL STATUS
        00001  VMRONUL  EQU   X'01'              OLD VALUE WAS NULL
        00002  VMRNNUL  EQU   X'02'              NEW VALUE IS NULL
000009                 DS    XL3              RESERVED
00000C                 DS    F                RESERVED
000010         VMRODBK  DS    F                OWNER DBKEY IN MODLINK
000014         VMREND   DS    0F               END OF DSECT
        00014  VMRDSLEN EQU   *-VMR            LENGTH OF DSECT
```

1.50 #FORDS

```
                         #FORDS VARS=YES
                ***
                ***
                ***  FOR:     FIXED OR52 SUBSCHEMA TABLE ELEMENT
                ***
                ***

Offset  Value

000000          FOR      DSECT                           05/27/90 13:47:56   02/26/91
000000          FOR52    DS    CL4              'OR52'
000004          FORDYN   DS    F                DISPLACEMENT TO VOR
000008          FORMRN   DS    A                NEXT MR OF OR-MR
00000C          FORSRN   DS    A                NEXT OR OF SR-OR
000010          FORTYPE  DS    XL1              SET TYPE:
        00000   FORSTST  EQU   0                   STANDARD SET.
        00001   FORKYST  EQU   1                   REF KEY MAP SET.
        00002   FOREFST  EQU   2                   REFERENTIAL SET.
000011          FORMODE  DS    XL1              SET MODE:
        00000   FORCHAIN EQU   0                   0 = CHAIN.
        00001   FORINDEX EQU   1                   1 = INDEX.
        00002   FORULNK  EQU   2                   2 = UNLINKED
000012          FORORDR  DS    XL1              SET ORDER:
        00000   FORPRLST EQU   0                   0 = PRIOR OR LAST
        00001   FORSORTD EQU   1                   1 = SORTED
        00002   FORNXFST EQU   2                   2 = NEXT OR FIRST
000013          FORKEYR  DS    XL1              KEY ORDER
                *                                  0-KEY ON OWNR(F,L,S) 1-ON MEMB(N,P).
000014          FORPRIV  DS    F                PRIVACY KEY.   ON=DISALLOWED
                *                                   N/A X'00000001'  ERASE
                *                                       X'00000002'  FIND
                *                                   N/A X'00000004'  GET
                *                                       X'00000008'  CONNECT
                *                                   N/A X'00000010'  MODIFY
                *                                       X'00000020'  DISCONNECT
                *                                       X'00000040'  KEEP
                *                                   N/A X'00000080'  STORE
                *                                   N/A X'00000100'  READY SHR  RET
                *                                   N/A X'00000200'  READY PROT RET
                *                                   N/A X'00000400'  READY EXCL RET
                *                                   N/A X'00000800'  READY SHR  UPD
                *                                   N/A X'00001000'  READY PROT UPD
                *                                   N/A X'00002000'  READY EXCL UPD
000018          FORSRO   DS    A                OWNER SR OF SR-OR.
00001C          FORRID   DS    F                RECORD ID OF OWNER SR.
000020          FORNPOS  DS    F                NEXT DBKEY DISPLACEMENT IN PREFIX.
000024          FORPPOS  DS    F                PRIOR DBKEY DISPLACEMENT IN PREFIX.
000028          FORSKEY  DS    0XL22            SEARCH KEY (LIBRARY ADDR/SET NAME)
000028          FORLBO   DS    A                OWNER LB OF LB-OR
00002C          FORNAME  DS    CL18             SET NAME
00003E          FORINDX# DS    H                SR7 unique index number by tablespace
000040          FORIXMAX DS    H                INDEX SET BLOCKING COUNT.
000042          FORIXDSP DS    H                INDEX SET SR8 DISPLACEMENT, PAGES.
000044          FORAMN   DS    A                SYSTEM INDEX SET AM57.
000048          FORMRC   DS    A                PKEY CONTROL MR
00004C          FORIBN   DS    A                NEXT OR OF IB-OR
000050          FORDYNPG DS    F                DISPLACEMENT IN VSA FOR SR7 PAGE RANGE
000054          FORDYNIX DS    F                DISPLACEMENT IN VSA FOR SR8 BLKCNT/DSPL
        00007   FORRLDS  EQU   7                # OF RLDS TO RESOLVE AT COMPILE TIME
000058          FOREND   DS    0F               END OF DSECT
        00058   FORDSLEN EQU   *-FOR            LENGTH OF DSECT
                ***
```

```
                ***
                ***  VOR:     VARIABLE OR52 SUBSCHEMA TABLE ELEMENT DSECT
                ***
                ***
000000          VOR      DSECT
000000          VORODBK  DS    F                OWNER DBKEY OF SET
000004          VORPDBK  DS    F                PRIOR DBKEY OF SET
000008          VORCDBK  DS    F                CURRENT DBKEY OF SET
00000C          VORNDBK  DS    F                NEXT DBKEY OF SET
000010          VORCDEF  DS    A                CURRENT OR/MR DEF OF SET
000014          VORMRD1  DS    A                LAST MR53 REFERENCED OF SET
000018          VORMRD2  DS    A                2ND LAST MR53 REF. OF SET
00001C          VORMID1  DS    H                LAST MEMBER RECID REFERENCED
00001E          VORMID2  DS    H                2ND LAST MEMBER RECID REF
000020          VORVIBN  DS    A                NEXT OF VIB-→OR REF LIST
000024          VORFLAG1 DS    XL1              GENERAL FLAG BYTE 1
         00080  VORVKEY  EQU   X'80'            SYMBOLIC KEY IS VALID
000025                  DS    XL1              RESERVED
000026          VORIXICS DS    XL1              INDEX INTEGRITY CHECK SWITCH
000027          VORTICK  DS    XL1              DELETE RETURN INDICATOR
000028          VORIXPRI DS    F                PRIOR OF INDEX
00002C          VORIXCUR DS    F                CURRENT OF INDEX
000030          VORIXNXT DS    F                NEXT OF INDEX
000034          VORIXPOF DS    H                OFFSET OF PRIOR IN SR8
000036          VORIXCOF DS    H                OFFSET OF CURRENT IN SR8
000038          VORIXNOF DS    H                OFFSET OF NEXT IN SR8
00003A          VORIPOFF DS    H                PRE-FIXED INSERT OFFSET
00003C          VORIPDBK DS    F                PRE-FIXED INSERT SR8 DBKEY
000040          VORSPDBK DS    F                CHAIN SET PRIOR DBK -MODLINK
000044          VORCSBN  DS    A                NEXT OF VOR-→CSB CURRENCY SAV
000048          VORCLKGA DS    A                ADDR OF LKG FOR CURRENT OF SET
00004C          VOREND   DS    0F               END OF DSECT
         0004C  VORDSLEN EQU   *-VOR            LENGTH OF DSECT
```

1.51 #FPCDS

```
                         #FPCDS VARS=YES
               ***
               ***
               ***  FPC:     FIXED PC70 SUBSCHEMA TABLE ELEMENT
               ***                     PROCEDURE DEFINITION BLOCK
               ***

Offset  Value

000000         FPC      DSECT                           05/27/90 14:01:12   02/26/91
000000         FPC70    DS    CL4              'PC70'
000004         FPCDYN   DS    F                DISPLACEMENT TO VPC
000008         FPCNAME  DS    CL8              PROCEDURE NAME
000010         FPCIBN   DS    A                NEXT PC OF IB-PC
000014         FPCVCON  DS    V                PROCEUDRE ENTRY ADDR (IF LINKED)
        00001  FPCRLDS  EQU   1                # OF RLDS TO RESOLVE AT COMPILE TIME
000018         FPCEND   DS    0F               END OF DSECT
        00018  FPCDSLEN EQU   *-FPC            LENGTH OF DSECT
               ***
               ***
               ***  VPC:     VARIABLE PC70 SUBSCHEMA TABLE ELEMENT
               ***
               ***
000000         VPC      DSECT
000000         VPCENTR  DS    A                PROCEDURE ENTRY ADDRESS
000004         VPCCOMM  DS    A                USER'S COMMUNCATION AREA ADDR
000008         VPCUSER  DS    A                USER'S WORK AREA ADDR
00000C         VPCEND   DS    0F               END OF DSECT
        0000C  VPCDSLEN EQU   *-VPC            LENGTH OF DSECT
```

1.52 #FPHDS

```
                    #FPHDS
            ***
            ***
            ***  FPH:     FIXED PH85 SUBSCHEMA TABLE ELEMENT
            ***
            ***

Offset  Value

000000          FPH      DSECT                           05/07/90 12:30:10
000000          FPH85    DS    CL4               'PH85'
000004          FPHSDN   DS    A                 NEXT SD OF PH-SD
000008          FPHLQN   DS    A                 NEXT LQ OF LQ-PH
00000C          FPHPSN   DS    A                 NEXT PS OF PH-PS
        00003   FPHRLDS  EQU   3                 # OF RLDS TO RESOLVE AT COMPILE TIME
000010          FPHEND   DS    0F                END OF DSECT
        00010   FPHDSLEN EQU   *-FPH             LENGTH OF DSECT
```

1.53 #FPSDS

```
                         #FPSDS VARS=YES
                ***
                ***
                ***  FPS:     FIXED PS83 SUBSCHEMA TABLE ELEMENT
                ***
                ***

Offset  Value

000000          FPS      DSECT                          05/07/90 12:31:07
000000          FPS83    DS    CL4                 'PS83'
000004          FPSRXDEN DS    A                   ADDR OF 1ST XDE IN KEY-RETR EXPR
000008          FPSSXDEN DS    A                   ADDR OF 1ST XDE IN SEL-CRIT EXPR
00000C          FPSPHN   DS    A                   NEXT PS OF PH-PS
000010          FPSDYN   DS    F                   DISPLACEMENT TO VPS
000014          FPSSNUM  DS    H                   SUBSTATEMENT # WITHIN PATH OF VERB
000016          FPSLEVEL DS    H                   NESTING LEVEL OF PATH SUBSTATEMENT
000018          FPSTYPE  DS    XL1                 TYPE OF SUBSTATEMENT (1=ON,2=DML)
        000F1   FPSTYON  EQU   C'1'                SUBSTATEMENT IS AN ON STATEMENT.
        000F2   FPSTYDML EQU   C'2'                SUBSTATEMENT IS A DML STATEMENT.
000019                  DS    XL1                 RESERVED.
00001A                  DS    H                   RESERVED.
00001C                  DS    3F                  RESERVED.
000028          FPSONFUN DS    H                   (ON) ERROR FUNCTION (1,2,3,4,5)
00002A          FPSONERR DS    CL4                 (ON) ERROR STATUS
00002E          FPSONSTA DS    CL16                (ON) PATH STATUS (FOR ONFUN=3 | 4)
00003E          FPSCLREN DS    H                   NUMBER OF ELEMENTS IN THE LIST
000040                  ORG   FPSONFUN
000028          FPSDMLA1 DS    A                   (DML) ADDR SR51,OR52,AC56 1ST OPER
00002C          FPSDMLA2 DS    A                   (DML) ADDR OR52,AC56 FOR 2ND OPER
000030          FPSELEM  DS    H                   (DML) SUBSCRIPT TO FLRELEMS ARRAY
000032          FPSDMLV  DS    H                   (DML) DML VERB NUMBER
000034          FPSDMLFL DS    X                   (DML) FLAG=OBT|KEEP|KEEP EXCL|EACH
        00001   FPSDFLGO EQU   X'01'               (DML) OBTAIN
        00002   FPSDFLGK EQU   X'02'               (DML) KEEP
        00004   FPSDFLGX EQU   X'04'               (DML) KEEP EXCLUSIVE
        00008   FPSDFLGE EQU   X'08'               (DML) EACH
000035                  DS    X                   RESERVED.
000036          FPSKSDSL DS    H                   (DML) KSDS PRIME KEY LENGTH OR 0
000038                  ORG
        00003   FPSRLDS1 EQU   3                   # OF RLDS ('ON' STATEMENT)
        00005   FPSRLDS2 EQU   5                   # OF RLDS ('DML' STATEMENT)
000040          FPSLISTS DS    0F                  START OF LISTEL ARRAY
000040          FPSEND   DS    0F                  END OF DSECT
        00040   FPSDSLEN EQU   *-FPS               LENGTH OF DSECT
                ***
                ***  LISTEL:  LIST CLEAR FUNCTION ELEMENT DSECT
                ***
000000          LISTEL   DSECT
000000          OFFEL    DS    H                   OFFSET IN LR-BUFFER
000002          ELLGH    DS    H                   LENGTH OF ELEMENT
        00004   LISTLGH  EQU   *-LISTEL            LENGTH OF DSECT
                ***
                ***
                ***  VPS:     VARIABLE PS83 SUBSCHEMA TABLE ELEMENT DSECT
                ***
                ***
000000          VPS      DSECT                          03/22/88 14:45:43
                ************************************************************************
                ***                                                                  ***
                ***                 Currency Save Block                              ***
                ***                                                                  ***
```

```
                ********************************************************************
000000          CSB      DS   0A                  Generic Currency Save Block:
000000          CSBVIBN  DS   0A                  Next of VIB-→CSB.
000000          CSBVORN  DS    A                  Next of VOR-→CSB.
000004          CSBCDEF  DS    A                  -→current SR/OR/MR.
000008          CSBCDBK  DS    F                  Current dbkey.
00000C          CSBLDBK  DS   0F                  Last dbkey of area.
00000C          CSBODBK  DS    F                  Owner dbkey of set/index.
000010          CSBPDBK  DS    F                  Prior dbkey of set/index.
000014          CSBNDBK  DS    F                  Next dbkey of set/index.
000018          CSBSR8P  DS    F                  Prior SR8 of index.
00001C          CSBSR8C  DS    F                  Current SR8 of index.
000020          CSBSR8N  DS    F                  Next SR8 of index.
000024          CSBIXCOF DS    H                  SR8 offset to current of index.
000026          CSBIXNOF DS    H                  SR8 offset to next of index.
000028          CSBLKGA  DS    F                  Address of currency LKG.
        0002C   CSBDSLEN EQU   ((*-CSB+3)/4)*4    Length of CSB.
                **
00002C          VPSVLQN  DS    A                  Next  of VLQ-→VPS.
000030          VPSVLQP  DS    A                  Prior of VLQ-→VPS.
000034          VPSFPSA  DS    A                  -→FPS owner.
                *
000038          VPSINDX  DS    A                  -→OR52, if verb 105.
00003C          VPSIXAAD DS    A                  -→IXA.
                *
000040          VPSMODE  DS    XL1                Set mode byte from OR52:
                *                                  0 = chain set.
                *                                  1 = index set.
                *VPSSET  #FLAG X'01'              VPS is for set/index currency
000041          VPSSETI  DS    0XL1
        00001   VPSSETM  EQU   X'01'
                *VPSRA   #FLAG X'02'              VPS is for rec/area currency
000041          VPSRAI   DS    0XL1
        00002   VPSRAM   EQU   X'02'
                *VPSNUL  #FLAG X'40'              CURS - all currencies NULL (-1)
000041          VPSNULI  DS    0XL1
        00040   VPSNULM  EQU   X'40'
                *VPSNIL  #FLAG X'80'              CURS - unused VPS
000041          VPSNILI  DS    0XL1
        00080   VPSNILM  EQU   X'80'
                *VPSNOC  #FLAG VPSNULM+VPSNILM    CURS - either NULL or NIL VPS.
000041          VPSNOCI  DS    0XL1
        000C0   VPSNOCM  EQU   VPSNULM+VPSNILM
000041          VPSFLAG  DS    XL1                Flag byte.
                *
000042                   DS    H                  *** reserved ***
000044          VPSLRSAV DS    A                  Preserved VSR Bind address
000048          VPSKSDSK DS    0F                 KSDS prime key (0 to 256 bytes).
000048          VPSEND   DS    0F                 End of dsect
        00048   VPSDSLEN EQU   ((*-VPS+3)/4)*4    Length of dsect
```

1.54 #FRPDS

```
                    #FRPDS
          ***
          ***
          ***  FRP:     FIXED RP71 SUBSCHEMA TABLE ELEMENT
          ***                     RECORD PROCEDURE JUNCTION BLOCK
          ***

Offset  Value

000000          FRP      DSECT                           05/27/90 14:01:53   02/26/91
000000          FRP71    DS    CL4              'RP71'
000004          FRPDYN   DS    F                DISPLACEMENT TO VRP (NOT USED)
000008          FRPSRN   DS    A                NEXT RP OF SR-RP
00000C          FRPPCO   DS    A                OWNER PC OF PC-RP
000010          FRPTIME  DS    H                PROCEDURE CALL TIME
000012          FRPFUNC  DS    H                PROCEDURE CALL FUNCTION (DML VERB)
        00002   FRPRLDS  EQU   2                # OF RLDS TO RESOLVE AT COMPILE TIME
000014          FRPEND   DS    0F               END OF DSECT
        00014   FRPDSLEN EQU   *-FRP            LENGTH OF DSECT
```

1.55 #FSADS

```
                         #FSADS VARS=YES
                 ***
                 ***
                 ***  FSA:     FIXED SA73 SUBSCHEMA TABLE ELEMENT
                 ***
                 ***

Offset  Value

000000           FSA      DSECT                            05/27/90 13:51:57   02/26/91
000000           FSA73    DS    CL4              'SA73'
000004           FSADYN   DS    F                DISPLACEMENT TO VSA
000008           FSASAN   DS    A                NEXT SA73 OF AC-SA
00000C           FSASRCH  DS    0CL20            Search key in FIB.
00000C           FSANAME  DS    CL18             SYMBOLIC NAME
00001E           FSATYPE  DS    H                SYMBOLIC TYPE
                 *                             00 - The entire AREA page range
                 *                             01 - A symbolic SUBAREA page range
                 *                             02 - A symbolic PAGE displacement
                 *                             03 - A symbolic INDEX clause
                 *                             10 - Offset n PAGES for n PAGES
                 *                             11 - Offset n PAGES for n PERCENT
                 *                             12 - Offset n PERCENT for n PERCENT
                 *                             13 - Offset n PERCENT for n PAGES
                 *                             14 - Hard coded PAGE range
000020                    ORG   FSASRCH
00000C           FSAOFF   DS    F                 Offset n pages/percent.
000010           FSAFOR   DS    F                 For n pages/percent.
000014                    ORG   ,
        00001    FSARLDS  EQU   1                # OF RLDS TO RESOLVE AT COMPILE TIME
000020           FSAEND   DS    0F               END OF DSECT
        00020    FSADSLEN EQU   *-FSA            LENGTH OF DSECT
                 ***
                 ***
                 ***  VSA:     VARIABLE SA73 SUBSCHEMA TABLE ELEMENT
                 ***
                 ***
000000           VSA      DSECT
000000           VSAVALUE DS    0F               SYMBOLIC VALUES
000000           VSALOPG  DS    F                  -  LOW PAGE
000004           VSAHIPGC DS    F                  -  CALC HIGH PAGE
000008           VSAHIPG  DS    F                  -  HIGH PAGE
        0000C    VSASIZE1 EQU   *-VSAVALUE            LENGTH OF SYMBOLIC VALUES
00000C                    ORG   VSAVALUE
000000           VSADSPL  DS    H                  -  Record DISPLACEMENT in pages
000002                    DS    H                  -  *** reserved  ***
        00004    VSASIZE2 EQU   *-VSAVALUE            LENGTH OF SYMBOLIC VALUES
000004                    ORG   VSAVALUE
000000           VSAIXMAX DS    H                  -  INDEX set BLOCKING count
000002           VSAIXDSP DS    H                  -  INDEX set SR8 DISPLACEMENT
        00004    VSASIZE3 EQU   *-VSAVALUE            LENGTH OF SYMBOLIC VALUES
000004                    ORG   ,
00000C           VSAEND   DS    0F               END OF DSECT
        0000C    VSADSLEN EQU   *-VSA            LENGTH OF DSECT
```

1.56 #FSDDS

```
                         #FSDDS
               ***
               ***
               ***  FSD:     FIXED SD82 SUBSCHEMA TABLE ELEMENT
               ***
               ***

Offset  Value

000000         FSD      DSECT                           05/07/90 12:32:03   09/13/90
000000         FSD82    DS    CL4                 'SD82'
000004         FSDPHN   DS    A                   NEXT SD OF PH-SD
000008         FSDPHO   DS    A                   OWNER PH OF THIS SD
00000C         FSDLQN   DS    A                   NEXT SD OF LQ-SD
000010         FSDNDESC DS    H                   NUMBER OF DESCRIPTORS IN THIS BLOCK
000012                  DS    H                   RESERVED.
000014         FSDINDX  DS    A                   ADDRESS OF OR52 IF "USING INDEX" IS
               *                                  USED, OTHERWISE, A(FSD) (F'0' IN 5.7)
000018                  DS    2F                  RESERVED.
        00004  FSDRLDS  EQU   4                   # OF RLDS TO RESOLVE AT COMPILE TIME
000020         FSDESTRT DS    0F                  START OF FSDE ARRAY.
000020         FSDEND   DS    0F                  END OF DSECT
        00020  FSDDSLEN EQU   *-FSD               LENGTH OF DSECT
               ***
               ***  FSDE:    SELECTION DESCRIPTOR ELEMENT DSECT
               ***
000000         FSDE     DSECT
000000         FSDDESCR DS    0H                  DESCRIPTOR
000000         FSDDTYPE DS    H                   DESCRIPTOR TYPE (1,2,3,4)
000002         FSDKEYWD DS    CL32                TYPE=1:     KEYWORD NAME
000022                  DS    H                   RESERVED
000024                  ORG   FSDKEYWD
000002         FSDELEM  DS    H                   TYPE=2,3,4: SUBSCRIPT TO FLRELEMS
000004         FSDFOFF  DS    H                   TYPE=2,3:   FIELD OFFSET
000006         FSDFLEN  DS    H                   TYPE=2,3:   FIELD LENGTH
000008                  ORG
        00000  FSDERLDS EQU   0                   # OF RLDS TO RESOLVE AT COMPILE TIME
000024         FSDEEND  DS    0F                  END OF DSECT
        00024  FSDEDLEN EQU   *-FSDE              LENGTH OF DSECT
```

1.57 #FSRDS

```
                         #FSRDS VARS=YES
                 ***
                 ***
                 ***  FSR:     FIXED SR51 SUBSCHEMA TABLE ELEMENT
                 ***
                 ***

Offset  Value

000000           FSR      DSECT                           05/27/90 13:45:35   02/26/91
000000           FSR51    DS    CL4              'SR51'
000004           FSRDYN   DS    F                DISPLACEMENT TO VSR
000008           FSRIBN   DS    A                NEXT SR OF IB-SR
00000C           FSRORN   DS    A                NEXT OR OF SR-OR
000010           FSRMRN   DS    A                NEXT MR OF SR-MR
000014           FSRMRP   DS    A                PRIOR MR OF SR-MR
000018           FSRFDN   DS    A                NEXT FD OF SR-FD
00001C           FSRAMN   DS    A                NEXT AM IN SR-AM
000020           FSRRPN   DS    A                NEXT RP IN SR-RP
000024           FSRRID   DS    F                RECORD ID OF RECORD
000028           FSRDATL  DS    0H               DATA LENGTH OF F-LENGTH RECORD
000028           FSRMAXL  DS    H                MAXIMUM DATA LENGTH OF V-LEN REC
00002A           FSRPFXL  DS    H                PREFIX LENGTH
00002C                    ORG   FSRPFXL
00002A           FSRLSTG  DS    H                SQL TABLE PROC local stg size
00002C           FSRMINR  DS    H                IF V THEN MINIMUM ROOT LENGTH
                 *                                      INCLUDING V-LENGTH
                 *                               IF F THEN O'S
00002E           FSRMINF  DS    H                MINIMUM FRAGMENT LENGTH W/ PREFIX
                 *                                      INCLUDING PREFIX
000030           FSRDSPL  DS    H                DISPLACEMENT IN PAGES
000032           FSRFLAG  DS    XL1              DELETE/STORE/MOD RESTRICTIONS
        00001    FSRFDEL  EQU   X'01'               X'01' - DELETE NOT ALLOWED
        00002    FSRFSTR  EQU   X'02'               X'02' - STORE  NOT ALLOWED
        00004    FSRFMOD  EQU   X'04'               X'04' - MODIFY NOT ALLOWED
        00008    FSRXID   EQU   X'08'               X'08' - FSRNAME IS EXTENT ID
        00080    FSRFDCT  EQU   X'80'               X'80' - SSR USES DCTABLE (PRESSTO)
        00040    FSRFSYS  EQU   X'40'               X'40' - system mode tbl proc
000033           FSRLOCM  DS    XL1              LOCATION MODE
                 *                                  0 - VIA
                 *                                  1 - CALC
                 *                                  2 - DIRECT
                 *                                  3 - NATIVE VSAM DIRECT
                 *                                  4 - NATIVE VSAM CALC
000034           FSRSQNVA DS    XL1              NVSAM ACCESS METHOD (USED BY SQL ONLY)
                 *                                  0 - NOT NVSAM
                 *                                  1 - KSDS
                 *                                  2 - ESDS
                 *                                  3 - RRDS
000035                    DS    XL3              ***  RESERVED  ***
000038                    DS    F                ***  RESERVED  ***
00003C           FSRSKEY  DS    0XL22            SEARCH KEY (LIBRARY ADDR/TABLE NAME)
00003C           FSRLBO   DS    A                OWNER LB OF LB-SR
000040           FSRNAME  DS    CL18             RECORD NAME
000052           FSRFLAG1 DS    XL1              FSR FLAG 1
        00080    FSRNTWK  EQU   X'80'              -  SR51 for SQL-->network record
        00040    FSRVIEW  EQU   X'40'              -  SR51 for a View, not base table
        00020    FSRCHECK EQU   X'20'              -  CHECK const/WITH CHECK OPTION
        00010    FSRTEMP  EQU   X'10'              -  SR51 for temporary table
        00008    FSRKYCL  EQU   X'08'              -  Key field beyond CTRL len.
        00004    FSRKEYD  EQU   X'04'              -  SQL table proc keyed stg option
        00002    FSRPROC  EQU   X'02'              -  SQL table procedure
        00001    FSRPTAB  EQU   X'01'              -  SQL pseudo table
```

```
Offset  Value

000053          FSRJIBF2 DS    XL1              JIB FLAG 2
        00080   FSRSELCT EQU   X'80'               AMC ISSUED TABLE 'SELECT'
        00040   FSRINSRT EQU   X'40'               AMC ISSUED TABLE 'INSERT'
        00020   FSRUPDAT EQU   X'20'               AMC ISSUED TABLE 'UPDATE'
        00010   FSRDELET EQU   X'10'               AMC ISSUED TABLE 'DELETE'
000054          FSRPRIV  DS    F                PRIVACY LOCK    ON=DISALLOWED
                *                                       X'00000001'  ERASE
                *                                       X'00000002'  FIND
                *                                       X'00000004'  GET
                *                                       X'00000008'  CONNECT
                *                                       X'00000010'  MODIFY
                *                                       X'00000020'  DISCONNECT
                *                                       X'00000040'  KEEP
                *                                       X'00000080'  STORE
                *                                  N/A X'00000100'  READY SHR  RET
                *                                  N/A X'00000200'  READY PROT RET
                *                                  N/A X'00000400'  READY EXCL RET
                *                                  N/A X'00000800'  READY SHR  UPD
                *                                  N/A X'00001000'  READY PROT UPD
                *                                  N/A X'00002000'  READY EXCL UPD
000058          FSRFIXL  DS    H                FIXED PORTION LENGTH W/O PREFIX
00005A          FSRCTRL  DS    H                CONTROL PORTION LENGTH  W/O PREFIX
00005C                   ORG   FSRCTRL
00005A          FSRSSTG  DS    H                SQL TABLE PROC shared stg size
00005C          FSRSGOUT DS    XL1                 0=ALL  1=SEGMENTS MISSING
00005D          FSRVSAMT DS    CL1              NATIVE VSAM RECORD TYPE
                *                                   'A' - FIXED NON-SPAN
                *                                   'B' - FIXED SPAN
                *                                   'C' - VARIABLE NON-SPAN
                *                                   'D' - VARIABLE SPAN
                *                                   ' ' - NOT A NATIVE VSAM RECORD
00005E          FSRMAXSS DS    H                MAX SUBSC DATA LENGTH W/0 PREFIX
000060          FSRD2S2  DS    XL8              TABLE D2S2
000068          FSRDYNPG DS    F                DISPLACEMENT IN VSA FOR PAGE RANGE
00006C          FSRDFLTA DS    A                ADDRESS OF COLUMNS DEFAULT POOL
000070          FSRDFLTL DS    H                LENGTH USED IN COLUMN DEFAULT POOL
000072          FSRVDATL DS    H                VIRTUAL DATA LENGTH
000074          FSRDYNDS DS    F                DISPLACEMENT IN VSA FOR PAGE DISPLACE
        00009   FSRRLDS  EQU   9                # OF RLDS TO RESOLVE AT COMPILE TIME
000078          FSREND   DS    0F               END OF DSECT
        00078   FSRDSLEN EQU   *-FSR            LENGTH OF DSECT
                ***
                ***
                ***  VSR:     VARIABLE SR51 SUBSCHEMA TABLE ELEMENT DSECT
                ***
                ***
000000          VSR      DSECT
000000          VSRCDBK  DS    F                CURRENT DBKEY OF RECORD TYPE
000004          VSRUBFR  DS    A                RECORD ADDRESS
000008          VSRUWA   DS    A                IF SEGMENTED REC, UWA OF REC
00000C          VSRLKMO  DS    XL1              TABLE LOCK MODE (REQUESTED)
00000D          VSRLKMC  DS    XL1              TABLE LOCK MODE (CUMULATIVE)
00000E          VSRFLAGS DS    XL1              FLAG BYTE
        00080   VSRERAS  EQU   X'80'              FLAG TO DETECT CYCLIC ERASE
        00040   VSRDVAL  EQU   X'40'              D2S2 IS VALID
        00020   VSRDINV  EQU   X'20'              D2S2 IS INVALID
        00060   VSRDCHK  EQU   VSRDVAL+VSRDINV    OFF = D2S2 NOT CHECKED
        00010   VSRDSYN  EQU   X'10'              D2S2 LAST CHECK INVALID
        00008   VSRPROCP EQU   X'08'              Pressto needed by this SR
        00004   VSRPROCB EQU   X'04'              BFOR PROCS PRESENT
        00002   VSRPROCA EQU   X'02'              AFTR PROCS PRESENT
        00001   VSRPROCE EQU   X'01'              EROR PROCS PRESENT
00000F          VSRAUTH  DS    XL1              AUTHORIZATION BITS - RIGHT NIBBLE IS
                *       AUTHS SUCCESSFULLY CHECKED, LEFT NIBBLE IS AUTHS FAILED
000010          VSRBINDA DS    A                AUTO-BIND ADDRESS
000014          VSRDPRV  DS    A                ADDR OF NVSAM PR60
```

```
Offset  Value

000018          VSRVIBN  DS    A                NEXT OF VIB-->SR REF LIST
00001C          VSRVIBP  DS    A                PRIOR OF VIB-->SR REF LIST
000020          VSRDLKGA DS   0A                -->LKG of definition lock
000020          VSRLKGA  DS    A                -->LKG of Table lock (not impl)
000024          VSRCLKGA DS    A                -->LKG of current of record
000028          VSRDFLTA DS    A                ADDRESS OF TABLE DEFAULT BUFFER
00002C          VSREND   DS    0F               END OF DSECT
        0002C   VSRDSLEN EQU   *-VSR            LENGTH OF DSECT
```

1.58 #FSWDS

```
                         COPY #FSWDS

Offset  Value

000000          FSW      DSECT                            12:37:06 12/03/84
                *******************************************************
                *                                                     *
                *  FAKE SCREEN WORK AREA DSECT                        *
                *                                                     *
                *******************************************************
                         PRINT NOGEN
000000          FSLEN    DS    F                   LENGTH OF FSWA
000004          FSSCRA   DS    F                   START OF SCREEN AREA
000008          FSFREE   DS    F                   NEXT FREE SCREEN BYTE
00000C          FSEDNA   DS    F                   END OF SCREEN AREA
000010          FSCURS   DS    H                   CURRENT CURSOR SCREEN DISPL.
000012          FSWCC    DS    X                   WCC CHARACTER
                FSDBUG   #FLAG X'80'               DEBUGIO MODE
                FSMAPM   #FLAG X'20'               FSWA IS IN MAP MODE
                FSINPQ   #FLAG X'10'               INPUT IS QUEUED AT FSRBUF
                FSLIOW   #FLAG X'08'               LAST USER I/O WAS WRITE
                FSFDSBA  #FLAG X'04'               SBA FOUND;SCREEN IS FORMATED
                *        #FLAG X'02'               SPARE
                *        #FLAG X'01'               SPARE
000013          FSFLG1   DS    X                   FLAG BYTE
                FSMAPW   #FLAG X'80'               MAP OUT REQUEST
                FSMAPR   #FLAG X'40'               MAP IN REQUEST
                FSLINW   #FLAG X'20'               NON-MAPPING OUTPUT REQUEST
                FSLINR   #FLAG X'10'               NON-MAPPING INPUT REQUEST
                *        #FLAG X'08'               SPARE
                *        #FLAG X'04'               SPARE
                *        #FLAG X'02'               SPARE
                *        #FLAG X'01'               SPARE
000014          FSFLG2   DS    X                   FLAG BYTE - I/O REQUEST TYPE
000015          FSAID    DS    X                   AID BYTE
000016          FSCURB   DS    H                   CURRENT BUFFER ADDRESS
000018          FSRBUF   DS    A                   QUEUED INPUT BUFFER CHAIN
00001C          FSAVA    DS    6F                  SAVE AREA
000034          FSWORK   DS    A                   WORK AREA
                *
                ******************************************************************
                *  SCREEN CONTROL TABLE FOR
                ******************************************************************
000038          FSTABLE  DS    F                   ADDRESS OF TABLE
00003C          FSTNEX   DS    F                   ADDRESS OF NEXT FREE BYTE
000040          FSTLEN   DS    H                   LENGTH OF TABLE
000042                   DS    H                   SPARE
                *  IF THE FSWA IS NOT IN MAP MODE (FSMAPM FLAG OFF) THEN THE FORMAT
                *  OF THE SCREEN CONTROL TABLE IS AS FOLLOWS -
                *  EACH ENTRY IN THE TABLE CONSISTS OF A HALF WORD TEXT LENGTH
                *  OF THE CORRESPONDING TEXT LINE IN THE FSCREEN AREA.
                *  THIS IS THE END OF THE FIXED LENGTH PART OF THE FSWA.
000048                   DS    0D
        00048   FSPFLEN  EQU   *-FSW
                ******************************************************************
                *  THE SCREEN PICTURE BEGINS RIGHT HERE.                         *
                ******************************************************************
                * WHEN THE TERMINAL IS IN MAP MODE, DATA IS STORED IN A SIGHTLY
                * FUNNY WAY.  SINCE ATTRIBUTE BYTES ARE NORMALLY INDISTINGUISHIBLE
                * FROM EBCDIC CHARACTERS, WE MAKE THEM DISTINGUISHIBLE BY TURNING
                * OFF THE TWO HIGH ORDER BITS.  THE ONLY "CHARACTERS" WHICH NORMALLY
                * HAVE THESE BITS OFF ARE THE NULL CHARACTER (X'00'), THE FIELD-MARK
```

```
                 * (X'1E') AND THE DUP CHARACTER (X'1C').  THESE THREE CHARACTERS ARE
                 * SAVED WITH THE "FUNNY" REPRESENTATIONS X'FF', X'FD' AND X'FE'
                 * RESPECTIVELY.    NOTE:  AT THIS TIME, NO ATTEMPT IS MADE TO SAVE
                 *                         EXTENDED COLOR OR HIGHLIGHTING INFORMATION.
                 ************************************************************************
                 ** SYMBOL EQUATES
                 ************************************************************************
        000C0  NONATTR  EQU   X'C0'   SCREEN CHARACTER IS A NON-ATTRIBUTE IF NOT ZERO
        00020  PROTECTD EQU   X'20'   FIELD IS PROTECTED
        00001  MODIFIED EQU   X'01'   FIELD HAS BEEN MODIFIED
        00011  SBACODE  EQU   X'11'   SET-BUFFER-ADDRESS ORDER
        0001D  SFCODE   EQU   X'1D'   START-FIELD ORDER
        00012  EUACODE  EQU   X'12'   ERASE-UNPROTECTED-TO-ADDRESS ORDER
        00013  ICCODE   EQU   X'13'   INSERT-CURSOR ORDER
        0003C  RACODE   EQU   X'3C'   REPEAT-TO-ADDRESS ORDER
        00029  SFECODE  EQU   X'29'   START FIELD EXTENDED ORDER
        0002C  MFCODE   EQU   X'2C'   MODIFY FIELD ORDER
        00028  SACODE   EQU   X'28'   SET ATTRIBUTE ORDER
        00002  UNLOCK   EQU   X'02'   WCC - KEYBOARD RESTORE
        00001  RESETMDT EQU   X'01'   WCC - RESET MODIFIED DATA TAGS
        00000  NULCODE  EQU   X'00'   REAL CODE FOR NULL CHARACTER
        000FF  FUNNYNUL EQU   X'FF'   NULL CHARACTER AS IT IS STORED ON SCREEN
        0001E  FMCODE   EQU   X'1E'   REAL CODE FOR FIELD-MARK
        000FD  FUNNYFM  EQU   X'FD'   FIELD-MARK AS IT IS STORED ON SCREEN
        0001C  DUPCODE  EQU   X'1C'   REAL CODE FOR DUP CHARACTER
        000FE  FUNNYDUP EQU   X'FE'   DUP CHARACTER AS IT IS STORED ON SCREEN
                        PRINT GEN
000048          FSCREEN DS    0F
```

1.59 #FTBDS

```
                         COPY #FTBDS
                ***********************************************************************

                *              DSECT FOR USE IN REFERENCING RHDCFTAB                  *
                ***********************************************************************
Offset  Value

000000          FTBDS    DSECT                          10:25:31 04/28/80
000000          FTNXTFLE DS    F                  ADDRESS OF NEXT FILE ENTRY
000004          FTFLENAM DS    CL8                NAME OF FILE
00000C          FTDTFADD DS    A                  ADDRESS OF DTF FOR THIS FILE
000010          FTBUFADD DS    A                  ADDRESS OF I/O BUFFER
000014          FTBUFLEN DS    Y                  LENGTH OF I/O BUFFER
000016          FTDTFLEN DS    Y                  LENGTH OF DTF
                FTOPEN   #FLAG X'01'              FILE OPEN SWITCH
000018          FTOPENI  DS    0XL1
        00001   FTOPENM  EQU   X'01'
                FTEOF    #FLAG X'02'              END OF FILE SWITCH
000018          FTEOFI   DS    0XL1
        00002   FTEOFM   EQU   X'02'
                FTFIRST  #FLAG X'04'              FIRST RECORD READ SWITCH
000018          FTFIRSTI DS    0XL1
        00004   FTFIRSTM EQU   X'04'
                FTCOPY   #FLAG X'08'              USING SSL INDICATOR
000018          FTCOPYI  DS    0XL1
        00008   FTCOPYM  EQU   X'08'
                FTIOCLR  #FLAG X'FF'              CLEAR I/O INDICATOR
000018          FTIOCLRI DS    0XL1
        000FF   FTIOCLRM EQU   X'FF'
000018          FTIOIND  DS    X                  I/O INDICATOR
                FTWORKA  #FLAG X'10'              WORKAREA REQUIRED INDICATOR
000019          FTWORKAI DS    0XL1
        00010   FTWORKAM EQU   X'10'
                FTINPUT  #FLAG X'02'              FILE DEFINED AS INPUT
000019          FTINPUTI DS    0XL1
        00002   FTINPUTM EQU   X'02'
                FTOUTPT  #FLAG X'04'              FILE DEFINED AS OUTPUT
000019          FTOUTPTI DS    0XL1
        00004   FTOUTPTM EQU   X'04'
000019          FTGENIND DS    X                  GENERAL-USE INDICATOR
00001A          FTDEVTYP DS    CL2                DEVICE TYPE CD|DI|MT|PR|SD
        0001C   FTBUFF   EQU   *                  BEGINNING OF I/O BUFFER
```

1.60 #HSTDS

```
                 COPY #HSTDS
        ********************************************************************
        ***                                                              ***
        ***  HST: HISTOGRAM CONTROL BLOCK DSECT                          ***
        ***                                                              ***
        ********************************************************************

Offset  Value

000000          HST      DSECT                          14:36:37 09/24/87
000000          HSTHS    DS    CL2                 LITERAL ID 'HS'
000002          HSTTYPE  DS    X                   HISTOGRAM TYPE CODE
        00001   HSTTJRSZ EQU   01                    PUTJRNL REQUEST SIZE
        00002   HSTTPRSZ EQU   02                    LOADED PROGRAM SIZE
        00003   HSTTQUSZ EQU   03                    QUEUE RECORD SIZE
        00004   HSTTSCSZ EQU   04                    SCRATCH RECORD SIZE
        00005   HSTTUSSZ EQU   05                    USER STORAGE SIZE
        00006   HSTTTSSZ EQU   06                    TOTAL GETSTG SIZE
        00006   HSTSYSEN EQU   06                  NUMBER OF CST (SYSTEM) HISTOGRAMS
        00007   HSTTPRCL EQU   07                    PGMS CALLED BY TASK
        00008   HSTTPRLD EQU   08                    PGMS LOADED BY TASK
        00009   HSTTTRRD EQU   09                    TERM READS BY TASK
        0000A   HSTTTRWT EQU   10                    TERM WRITES BY TASK
        0000B   HSTTTRER EQU   11                    TERM ERRORS BY TASK
        0000C   HSTTGSTC EQU   12                    GETSTGS BY TASK
        0000D   HSTTGSCC EQU   13                    GET SCRATCH BY TASK
        0000E   HSTTPSCC EQU   14                    PUT SCRATCH BY TASK
        0000F   HSTTDSCC EQU   15                    DEL SCRATCH BY TASK
        00010   HSTTGQUC EQU   16                    GET QUES BY TASK
        00011   HSTTPQUC EQU   17                    PUT QUES BY TASK
        00012   HSTTDQUC EQU   18                    DEL QUES BY TASK
        00013   HSTTGTIC EQU   19                    GET TIMES BY TASK
        00014   HSTTSTIC EQU   20                    SET TIMES BY TASK
        00015   HSTTDBCL EQU   21                    D.B.CALLS BY TASK
        00016   HSTTHISK EQU   22                    HI STACK  BY TASK
        00017   HSTTUSTI EQU   23                    USER TIME BY TASK
        00018   HSTTSYTI EQU   24                    SYSTEM TIME BY TASK
        00019   HSTTWTTI EQU   25                    WAIT TIME BY TASK
        0001A   HSTTHIRC EQU   26                    HIGH RCE COUNT BY TASK
        0001B   HSTTHIRL EQU   27                    HIGH RLE COUNT BY TASK
        0001C   HSTTHIDP EQU   28                    HIGH DPE COUNT BY TASK
        00016   HSTTSKEN EQU   28-HSTSYSEN         NUMBER OF TASK HISTOGRAMS
        00001   HSTTLNTI EQU   01                  TYPE=RESP TIME BY LINE
000003                  DS    X                   ** RESERVED **
000004          HSTBINUM DS    H                   NUMBER OF BINS
000006                  DS    H                   ** RESERVED **
000008          HSTLOW   DS    F                   LOW END OF FIRST BIN
00000C          HSTINC   DS    F                   INCREMENT BETWEEN BINS
000010          HSTLTLOW DS    F                   BIN FOR VALUES < HSTLOW
000014          HSTGTHI  DS    F                   BIN FOR VALUES > TOP BIN
000018          HSTBINS  DS    0F                  START OF BINS
        00018   HSTDSLEN EQU   *-HST               LENGTH OF DSECT
```

1.61 #IBHDS

```
                        COPY #IBHDS

Offset  Value

000000          IBH      DSECT                           11:31:41 MAY  26, 1979
                ************************************************************************
                ***
                ***  (TERMINAL) INPUT BUFFER HEADER - CHAINS OF THESE BUFFERS ARE
                ***                        BUILT BY TERMINAL LINE DRIVER TASKS ON
                ***                        EACH READ REQUEST.
                ***
                ************************************************************************
000000          IBHDOFST DS    H   OFFSET OF FIRST DATA BYTE FROM START OF HEADER
000002          IBHDLEN  DS    H   LENGTH OF DATA IN BUFFER
000004          IBHNBUF  DS    A   ADDRESS OF NEXT BUFFER IN CHAIN (OR ZERO)
        00008   IBHDSLEN EQU   *-IBH               LENGTH OF INPUT BUFFER HEADER
```

1.62 #ICEDS

```
                    COPY #ICEDS
             ***********************************************************************
             ***                                                                 ***
             *** ICE:   INTERVAL CONTROL ELEMENT                                 ***
             ***                                                                 ***
             ***********************************************************************

Offset  Value

000000       ICE      DSECT                          07:32:50 05/29/86   03/03/95
                      PRINT NOGEN
000000       ICENXTA  DS    A                   ADDR OF NEXT ICE IN LIST.
000004       ICEPRIA  DS    A                   ADDR OF PRIOR ICE IN LIST.
000008       ICEEXPT  DS    F                   EXPIRATION TIME IN SEC. FROM EPOC.
00000C       ICETCEA  DS    A                   ADDR OF TCE OF REQUESTING TASK.
000010       ICETSKID DS    F                   TASK ID OF REQUESTING TASK.
000014       ICEECB   DS    F                   ECB FOR INTERVAL WAIT REQUEST.
000018                ORG   ICEECB
000014       ICEECBA  DS    A                   ADDR OF USER ECB FOR POST REQUEST.
000018       ICEQLEN  DS    A                   LENGTH OF ASSOCIATED QUEUE RECORD
00001C       ICERCEA  DS    A                   ADDR OF RCE.
000020       ICETSKCD DS    CL8                 TASK CODE TO BE INVOKED.
000028       ICEDBKEY DS    CL4                 DBKEY OF ASSOCIATED QUE RECORD.
             *
00002C       ICESONRC DS    A                   ADDRESS OF SIGNON RCE (IF ANY)
000030       ICERLEA  DS    2A                  RLE ANCHOR FOR SIGNON RCE
             ICEWAIT  #FLAG X'01'               TYPE 1 - WAIT REQUEST
             ICEPOST  #FLAG X'02'               TYPE 2 - POST REQUEST + POSTX
             ICESTRT  #FLAG X'04'               TYPE 4 - START TASK REQUEST
             ICECANC  #FLAG X'08'               CANCEL THIS ICE
             ICEXTRA  #FLAG X'10'               Used by TYPE=RUN and TYPE=POSTX
             ICENTPC  #FLAG X'20'               NON TERMINAL PSEUDO CONVERSE ICE
             ICEATCH  #FLAG X'40'               TASK HAS BEEN ATTACHED (FOR TYPE 4)
             ICEEXPD  #FLAG X'80'               ICE HAS 'GONE OFF'.
000038       ICETYPE  DS    XL1                 ICE TYPE CODE.
000039       ICEPRTY  DS    X                   DISPATCH PRIORITY FOR START-TASK
00003C       ICELTEA  DS    A                   LTE address (#GETLTE'd or NTPC)
000040       ICEUSRID DS    0CL18               User ID.    :==> From the SON.
000040       ICEUSRVM DS    CL24                User ID if VM.
000058                DS    CL8                 Padding for 32 byte compat.
        00020 ICEUSRLN EQU   *-ICEUSRID          Length for Padding.
                      PRINT GEN
        00060 ICEDSLEN EQU   ((*-ICE+7)/8)*8     LENGTH OF DSECT ROUNDED UP.
```

1.63 #IOBDS

```
                         COPY #IOBDS
                ******************************************************************
                *** OS IOB DSECT                          11:32:02 MAY  26, 1979
                ******************************************************************

Offset  Value

000000          IOB      DSECT
000000          IOBFLAG1 DS    1C   ERROR AND STATUS CONDITION INDICATORS, 1ST BYTE
000001          IOBFLAG2 DS    1C   ERROR AND STATUS CONDITION INDICATORS, 2ND BYTE
000002          IOBSENS0 DS    1C   SENSE INFORMATION, 1ST BYTE
000003          IOBSENS1 DS    1C   SENSE INFORMATION, 2ND BYTE
000004          IOBECBCC DS    0CL1 EVENT CONTROL BLOCK CONDITION CODE
000004          IOBECBPT DS    1F   ADDRESS OF EVENT CONTROL BLOCK FOR THIS I/O OPER
000008          IOBFLAG3 DS    0CL1 IOS ERROR FLAGS
000008          IOBCSW   DS    1D   CHANNEL STATUS WORD STORED AT INTERRUPT TIME
000010          IOBSIOCC DS    0CL1 START I/O CONDITION CODE
000010          IOBSTART DS    1F   ADDRESS OF START OF CHANNEL PROGRAM
000014          IOBDCBPT DS    1F   ADDRESS OF DATA CONTROL BLOCK
000018          IOBRESTR DS    1F   ADDRESS OF CHANNEL PROGRAM RESTART CCW
00001C          IOBINCAM DS    1H   BTAM FLAGS
00001E          IOBERRCT DS    1H   ERROR COUNTS
000020          IOBUCBX  DS    1C   INDEX TO A UCB IN THE DATA EXTENT BLOCK
        00028   IOBDSLEN EQU   (((*+7)-IOB)/8)*8
```

1.64 #IOPDS

```
                        COPY #IOPDS
                ***
                ***     #IOPDS
                ***

Offset  Value

000000          IOP     DSECT                                           12/08/92
                        #DBIO DSECT,VERBS=NO,ERRS=NO
                ***
                ***
                ***  IOP:     PARAMETER LIST FOR IDMSDBIO
                ***
                ***                                     EXTENDED DBIOWORK 3/9/83
000000          IOP     DSECT                           03/29/90 22:44:00   02/01/91
000000          IOVERBNO DS    F       VERB NUMBER
000004          IOSTATUS DS    F       STATUS / RETURN CONDITION
000008          PAGE    DS     F       PAGE NUMBER
00000C          CURBME  DS     A       CURRENT BUFFER MANAGEMENT ELEMENT ADDR
000010          CURBMA  DS     A       CURRENT BUFFER MEMORY ADDRESS
000014          CURLBMA DS     A       CURRENT PAGE FOOTER MEMORY ADDRESS
000018          DMCLA   DS     A       ADDRESS OF DMCL TABLES
00001C          DMCLNAME DS    CL8     NAME OF DMCL TABLES
000024          LOADADDR DS    A       ADDRESS OF LOADED MODULE
000028          LOADNAME DS    CL8     NAME OF LOADED MODULE
000030          SPAINO  DS     F       NO. PAGES WHICH FITS INTO SPACE MGMT PG
000034          PHYRD   DS     CL1     PHYSICAL DISK READ INDICATOR
000035          PHYWT   DS     CL1     PHYSICAL DISK WRITE INDICATOR
000036          IOPFLG5 DS     CL1     FLAG 5
        00080   IOPRCVY EQU    X'80'     -  THIS IOP IS RECOVERING
        00040   IOPSUSP EQU    X'40'     -  THIS IOP IS SUSPENDED
        00020   IOPNOCW EQU    X'20'     -  NO CHKPT WRITE
        00010   IOPNEWS EQU    X'10'     -  NEW SEGMENT
        00008   IOPMJNL EQU    X'08'     -  MULTIPLE JOURNALS
        00004   IOPWARM EQU    X'04'     -  WARMSTART
        00002   IOPLIMT EQU    X'02'     -  CHECK LIMITS
        00001   IOPRUAL EQU    X'01'     -  This IOP is for RHDCRUAL rununit
000037          LDDMCSW DS     CL1     IF 1 THEN RU DYNMCLY LOADED DMCL TABLES
000038          IOVIBA  DS     A       ADDRESS OF RUN UNIT'S VIB50
00003C          PAGELOCK DS    F       PAGE LOCK NEEDED ('SHR ' OR 'EXCL')
000040          CURDPR  DS     A       CURRENT PR60  DMCL PAGE RANGE TABLE
000044          CURAFM  DS     A       CURRENT FM61  AREA/FILE MEMBERSHIP RECORD
000048          CURFCB  DS     A       CURRENT FC59  FILE CONTROL BLOCK
00004C          CURBCR  DS     A       CURRENT BC53  BUFFER CONTROL RECORD
000050          CURJCB  DS     A       CURRENT JCB WE ARE WORKING WITH
000054          JOURLEN DS     F       LENGTH OF JT REC WE'RE WAITING TO WRITE
000058          JOURHLEN DS    F       LEN OF HEADER PORTION OF JOURNAL REC
00005C          DATEADDR DS    A       ADDRESS OF WHERE TO MOVE DATE TO
000060          TIMEADDR DS    A       ADDRESS OF WHERE TO MOVE TIME TO
000064          JULEADDR DS    A       ADDRESS OF WHERE TO MOVE JULIAN DATE TO
000068          CURRBN  DS     F       CURRENT RELATIVE BLOCK NUMBER TO RD/WR TO
00006C          CURBLOK DS     A       BME THAT IS BLOK'ED AS THE CURRENT BME
000070          VIBBLOK1 DS    A       BUFFER LOCK 1
000074          VIBBLOK2 DS    A       BUFFER LOCK 2
000078          VIBBLOK3 DS    A       BUFFER LOCK 3
00007C          VIBBLOK4 DS    A       BUFFER LOCK 4
000080          IOPDCEA DS     A       DCE ADDRESS OF OWNING TASK
000084          IOPCENT DS     X       CENTRAL VERSION SWITCH
000085          IOPSENDR DS    X       UPDATE JDRSENDR SW AT JOURNAL FLUSH
000086          NVSAMSW DS     X       NATIVE VSAM SWITCH
000087          IOPFLG6 DS     CL1     FLAG 6
        00080   IOPRDDR EQU    X'80'     -  This is a Read Driver IOP
```

```
        00040  IOPUPJHA EQU   X'40'     -  This IOP updated the JHDA
        00020  IOPMIO   EQU   X'20'     -  This IOP uses multiple I/Os
        00010  IOPPDIR  EQU   X'10'     -  Read in a prior direction
        00008  IOPWRDR  EQU   X'08'     -  This is a Write Driver IOP
000088         NVSTORA  DS    F       ADDR OF NATIVE VSAM STORAGE
00008C         NVDBIOWA DS    F       ADDR OF NATIVE VSAM DBIOWORK
000090         IOPGROUP DS    H       AREA PAGE GROUP ID FOR PAGE REQUEST
000092         PAGEGRUP DS    H       PAGE GROUP
000094         DBIOWORK DS    300F    DBIO WORK AREA FOR ITS VARIABLES
        000F4  WRTECB   EQU   IOP+X'0F4'      WRITE ECB
        00164  CRBMEECB EQU   IOP+X'164'      CURRENT BME ECB FIELD
        00178  CURECB   EQU   IOP+X'178'      CURRENT ECB FIELD
        001B4  IOPBYTWK EQU   IOP+X'1B4'      BYTE work field
        00208  IOPMSKWK EQU   IOP+X'208'      MASK save area
        0020C  IOPLENWK EQU   IOP+X'20C'      Length save area
        00250  IOPBCRWK EQU   IOP+X'250'      IOPBCRWK FIELD
        00254  CURBITLA EQU   IOP+X'254'      CURBITLA FIELD
        0025C  IOTSKTCE EQU   IOP+X'25C'      I/O TSK'S TCE
        00260  RDJFCB1  EQU   IOP+X'260'
        00280  FNDINBUF EQU   IOP+X'280'      FNDINBUF FIELD
        00288  JRDRVIOP EQU   IOP+X'288'      JRNL DRV IOP FIELD
        002A4  IOPBITL  EQU   IOP+X'2A4'      BIT LIST FIELD
        002A8  IOPBITS  EQU   IOP+X'2A8'      BIT LIST FIELD - SAVED
        002AC  IOPBITW  EQU   IOP+X'2AC'      BIT LIST FIELD - WAITED
        002C0  IOPFUNCA EQU   IOP+X'2C0'      ADDRESS OF FUNCTION TABLE
        002C8  IOPDATWK EQU   IOP+X'2C8'      DATTIM 16F IDMSDATE WORK AREA
        00354  IOPBITLN EQU   IOP+X'354'      Bit list length field
        00420  DBIOWRT  EQU   IOP+X'420'      DBIOWRT FIELD
        00424  JIOWRT   EQU   IOP+X'424'      JIOWRT FIELD
        00428  JIOWT    EQU   IOP+X'428'      JIOWT FIELD
        0042C  RDFRCWT  EQU   IOP+X'42C'      RDFRCWT FIELD
        00430  DBIORD   EQU   IOP+X'430'      DBIORD FIELD
        00434  IOPBCRAC EQU   IOP+X'434'      IOPBCRAC field
        00440  IOERRCT  EQU   IOP+X'440'      IOERRCT FIELD
        00448  IOPBIT2  EQU   IOP+X'448'      IOPBIT2 FIELD
        00488  IOPMSTWT EQU   IOP+X'488'      IOPMSTWT FIELD
        004C0  STRTIO   EQU   IOP+X'4C0'      STRTIO FIELD
        004C4  MIO      EQU   IOP+X'4C4'      MIO FIELD
        004C8  IOPITVCT EQU   IOP+X'4C8'      Epoch time
        00544  IOPDSLEN EQU   *-IOP  LENGTH OF DSECT
```

1.65 #IOX2DS

```
                        COPY #IOX2DS

Offset  Value

                *
                *   The following Dsect describes the parmlist that is passed
                *   to the IDMSIOX2 user exit.  Changes to this dsect will be
                *   kept to a minimum, but Computer Associates reserves the
                *   right to make changes when needed.
                *
000000          IOX2     DSECT                                                10/04/96
                *
000000          IOX2FUNC DS    X             Exit Function - Where exit was called.
        00000   IOX2FPFO EQU   0                  Pre File Open
        00001   IOX2FPFC EQU   1                  Pre File Close
        00002   IOX2FPRD EQU   2                  Pre Read
        00003   IOX2FPRC EQU   3                  Pre Read Check
        00004   IOX2FXRD EQU   4                  Post Read
        00005   IOX2FERD EQU   5                  Read I/O Error
        00006   IOX2FPWR EQU   6                  Pre Write
        00007   IOX2FPWC EQU   7                  Pre Write Check
        00008   IOX2FXWR EQU   8                  Post Write
        00009   IOX2FEWR EQU   9                  Write I/O Error.
                *
000001          IOX2FLGI DS    X             Status flags to exit
        00080   IOX2CHI  EQU   X'80'              Post Read - Buff from #CACHE.
        00040   IOX2IOC  EQU   X'40'              Pre Check - Primary I/O complete.
                *
000002          IOX2FLGO DS    X             Status flags from exit.
        00080   IOX2NOX2 EQU   X'80'              Pre OPEN - Disable IOX2.
        00040   IOX2NOSC EQU   X'40'              Pre OPEN - Disable Shared Cache
        00020   IOX2NODS EQU   X'20'              Pre OPEN - Disable Dataspace.
        00010   IOX2NOPF EQU   X'10'              Pre OPEN - Disable Prefetch.
        00008   IOX2NOQS EQU   X'08'              Pre OPEN - Disable IDMSQSAM.
                *
000003          IOX2LCNT DS    X             Number of Buff/RBN pairs in list.
                *
000004          IOX2FCBA DS    A             Addr of current FCB/JCB.
000008          IOX2IOPA DS    A             Addr of IOP.
00000C          IOX2LIST DS    A             Addr of I/O List.
                *
                *    Following addresses point to a fullword that is reserved
                *    for IDMSIOX2.
                *
000010          IOX2WK1A DS    A             Work-1 is at the System level.
000014          IOX2WK2A DS    A             Work-2 is at the File level.
000018          IOX2WK3A DS    A             Work-3 is at the I/O  level.
        0001C   IOX2PLEN EQU   *-IOX2        Length of fixed parmlist.
                *
        00008   IOX2XLEN EQU   8             Length of Work-3 storage.
                *
                *   I/O List entry - Last entry has X'80000000' in LBUF.
                *
        00000   IOX2LBUF EQU   0,4,C'A'      Addr of DBIO buffer.
        00004   IOX2LRBN EQU   4,4,C'F'      Fullword RBN to be read/written.
        00008   IOX2LLEN EQU   8             Length of list entry.
                *
                *   Return codes from exit.
                *
        00000   IOX2RCON EQU   0             Continue with normal I/O.
        00004   IOX2RSUP EQU   4             Suppress normal I/O.
        00008   IOX2RIOE EQU   8             Return I/O error.
```

```
0000C  IOX2RTRY EQU   12            Retry I/O - From I/O error only.
```

1.66 #ISRDS

```
                    COPY #ISRDS
              ***********************************************************************
              ***                                                                 ***
              ***   ISRDS:  I/O STATISTICS REQUEST DSECTS                         ***
              ***                                                                 ***
              ***********************************************************************

Offset  Value

000000        ISR      DSECT                           11/03/95 04:06:00
              ISRALL   #FLAG X'80'               WANT STATS FOR ALL OF BLOCKS MARKED
000000        ISRALLI  DS    0XL1
        00080 ISRALLM  EQU   X'80'
              ISRSYS   #FLAG X'08'               WANT STATS FOR TOTAL SYSTEM I/O
000000        ISRSYSI  DS    0XL1
        00008 ISRSYSM  EQU   X'08'
              ISRBUFF  #FLAG X'04'               WANT STATS FOR ONE (OR ALL) BUFFERS
000000        ISRBUFFI DS    0XL1
        00004 ISRBUFFM EQU   X'04'
              ISRAREA  #FLAG X'02'               WANT STATS FOR ONE (OR ALL) AREAS
000000        ISRAREAI DS    0XL1
        00002 ISRAREAM EQU   X'02'
              ISRFILE  #FLAG X'01'               WANT STATS FOR ONE (OR ALL) FILES
000000        ISRFILEI DS    0XL1
        00001 ISRFILEM EQU   X'01'
000000        ISRTYPE  DS    XL1                 TYPE OF I/O STATS REQUESTED
        00000 ISROK    EQU   X'00'               SUCCESSFUL COMPLETION
              ISRBREQ  #FLAG X'01'               CANNOT COMBINE 'NON-ALL' REQUESTS
000001        ISRBREQI DS    0XL1
        00001 ISRBREQM EQU   X'01'
              ISRBALL  #FLAG X'02'               UNKNOWN 'ALL' TYPE REQUEST
000001        ISRBALLI DS    0XL1
        00002 ISRBALLM EQU   X'02'
              ISRBSTG  #FLAG X'04'               ISRNISB TOO SMALL FOR REQUEST
000001        ISRBSTGI DS    0XL1
        00004 ISRBSTGM EQU   X'04'
              ISRBNAM  #FLAG X'08'               ISBNAME UNKNOWN
000001        ISRBNAMI DS    0XL1
        00008 ISRBNAMM EQU   X'08'
000001        ISRRTNC  DS    XL1                 DBRC'S RETURN CODE FOR REQUEST
000002        ISRNISB  DS    H                   NO. ISB STATS BLOCKS FOLLOWING
000004        ISRSVBCR DS    F                   CURR BCR BEING PROCESSED
000008        ISRSVFCB DS    F                   CURR FCB BEING PROCESSED
00000C        ISRSVDPR DS    F                   CURR DPR BEING PROCESSED
000010        ISRFISB  DS    F                   ADDRESS OF FIRST ISB
        00014 ISRDSLEN EQU   *-ISR
              ***********************************************************************
              ***                                                                 ***
              ***   ISB:    I/O STATISTICS BLOCK DSECT                            ***
              ***                                                                 ***
              ***********************************************************************
000000        ISB      DSECT
000000        ISBNAME  DS    CL18                NAME OF FILE/AREA/BUFFER
        00008 ISBSYS   EQU   X'08'               STATS FOR TOTAL SYSTEM I/O
        00004 ISBBUFF  EQU   X'04'               STATS FOR NAMED BUFFER
        00002 ISBAREA  EQU   X'02'               STATS FOR NAMED AREA
        00001 ISBFILE  EQU   X'01'               STATS FOR NAMED FILE
000012        ISBTYPE  DS    XL1                 TYPE OF I/O STATS BLOCK
000013        ISBNUS1  DS    XL1                 UNUSED
000014        ISBPGRP  DS    H                   PAGE GROUP (AREA TYPE ONLY)
000018        ISBWRIT  DS    F                   NO. PHYSICAL WRITES
00001C        ISBREAD  DS    F                   NO. PHYSICAL READS
```

```
000020         ISBINBUF DS    F                   NO. TIMES FOUND IN BUFFER
000024         ISBWAIT  DS    F                   NO. BUFFER WAITS (BUFFER/SYSTEM)
000028         ISBCACHE DS    F                   NO. TIMES FOUND IN CACHE
        0002C  ISBDSLEN EQU   *-ISB
```

1.67 #IXRDS

```
                         COPY #IXRDS
                ********************************************************************

                *                                                                  *
                *        #IXRDS -- INDEX RECORDS                                   *
                *                                                                  *
                ********************************************************************
                ********************************************************************
                *                                                                  *
                *        SR7 -- (OWNER OF SYSTEM-OWNED INDEX)                      *
                *                                                                  *
                ********************************************************************
Offset  Value

                         PRINT NOGEN
000000          SR7      DSECT                          17:34:46 11/08/84   01/09/91
        00007   SR7RID   EQU   7                    RECORD ID OF SR7'S.
000000          SR7CALCN DS    F              -10   NEXT IN CALC SET.
000004          SR7CALCP DS    F               -C   PRIOR IN CALC SET.
000008          SR7DBKN  DS    F               -8   NEXT IN SR7-→SR8.
00000C          SR7DBKP  DS    F               -4   PRIOR IN SR7-→SR8.
        00010   SR7PFXLN EQU   *-SR7                PREFIX LENGTH.
000010          SR7SET   DS    CL16            +0   SET NAME (CALC KEY).
        00020   SR7DSLEN EQU   *-SR7                LENGTH OF DSECT.
                ********************************************************************
                *                                                                  *
                *        SR8 -- (B-TREE NODE)                                      *
                *                                                                  *
                ********************************************************************
000000          SR8      DSECT
        00008   SR8RID   EQU   8                    RECORD ID OF SR8'S.
000000          SR8NDBK  DS    F               -C   NEXT IN OWNER-→SR8.
000004          SR8PDBK  DS    F               -8   PRIOR IN OWNER-→SR8.
000008          SR8ODBK  DS    F               -4   INDEX OWNER, SR7 OR USER-DEFINED.
        0000C   SR8PFXLN EQU   *-SR8                LENGTH OF PREFIX.
                *
00000C          SR8UPDBK DS    F               +0   APPROXIMATE DBKEY OF UPLEVEL NODE
                *                                   (-1 IF TOP LEVEL).
000010          SR8ORPH  DS    F                    NUMBER OF ORPHANED ENTRIES.
                *
000014          SR8NUME  DS    H                    CURRENT NUMBER OF ENTRIES.
000016          SR8CUSH  DS    H                    CUSHION SIZE, BYTES.
000018          SR8ELEN  DS    H                    LENGTH OF ONE INDEX ENTRY.
00001A          SR8TKL   DS    H                    TOTAL KEY LENGTH -1.
                *
                SR8SORT  #FLAG X'80'                SORTED INDEX.
                SR8SYMB  #FLAG X'40'                SORTED ON SYMBOLIC KEY.
                SR8COMP  #FLAG X'20'                COMPRESSED KEYS.
                SR8DSC   #FLAG X'10'                DESCENDING SEQUENCE.
                SR8DDBK  #FLAG X'08'                Duplicates ordered by DBkey.
00001C          SR8FLAGS DS    XL1                  FLAG BYTE.
00001D          SR8LEVL  DS    XL1                  LEVEL NUMBER.
        00000   SR8BOTM  EQU   0                    ZERO IS BOTTOM LEVEL.
                *
00001E                   DS    H                    RESERVED.
                *
000020          SR8VAR   DS    0F                   START OF VARIABLE PORTION.
        00020   SR8DSLEN EQU   *-SR8                FIXED LENGTH INCLUDING PREFIX.
                *
                * FOR UNSORTED INDEX SETS, THE VARIABLE PORTION CONSISTS OF 0 THRU
                * SR8NUME MEMBER DATABASE KEYS.
```

```
                *
000000          SR8UNSRT DSECT                     SR8VAR FOR UNSORTED SETS.
000000          SR8UNDBK DS    F                   DBKEY OF MEMBER RECORD.
        00004   SR8UNLEN EQU   *-SR8UNSRT          LENGTH OF ENTRY (SR8ELEN).
                *
                * IF THE INDEX IS SORTED ON MEMBER DBKEY, THE TOP AND INTERMEDIATE
                * LEVEL SR8 NODE POINTERS ARE PAIRED WITH THE MEMBER DBKEYS. THE
                * BOTTOM-LEVEL SR8S CONTAIN ONLY MEMBER DBKEYS.
                *
000000          SR8SDBK  DSECT                     TOP/INTERMEDIATE LEVEL NODE.
000000          SR8SDNOD DS    F                   DBKEY OF NEXT LOWER NODE.
000004          SR8SDMEM DS    F                   DBKEY OF MEMBER RECORD.
        00008   SR8SDLEN EQU   *-SR8SDBK           LENGTH OF ENTRY (SR8ELEN).
                *
                * IF THE INDEX SET IS SORTED ON SYMBOLIC KEY, EACH ENTRY IN TOP AND
                * INTERMEDIATE LEVEL SR8S CONTAINS A NODE POINTER PAIRED WITH THE
                * OFFSET IN THE SR8 OF THE SYMBOLIC KEY. FOR BOTTOM LEVEL SR8S, THE
                * MEMBER DBKEY REPLACES THE NODE POINTER.
                *
000000          SR8SKEY  DSECT                     ENTRY FOR SORTED ON SYMBOLIC KEY.
000000          SR8SKNOD DS    0XL4                DBKEY OF LOWER NODE (TOP/INT LEVEL).
000000          SR8SKMEM DS    XL4                 DBKEY OF MEMBER (BOTTOM LEVEL).
000004          SR8SKKOF DS    H                   OFFSET TO SYMBOLIC KEY.
        00006   SR8SKLEN EQU   *-SR8SKEY           LENGTH OF ENTRY (SR8ELEN).
                *
                *   For symbolic-keyed indexes with duplicates ordered by
                *   DBkey, top and intermediate levels also contain the DBkey
                *   of the corresponding member, which logically represents
                *   the lowest-order portion of the symbolic key.
                *
000006          SR8SKMKY DS    XL4                 DBkey of member (top/int levels).
        0000A   SR8SKDLN EQU   *-SR8SKEY           SR8ELEN if dups by DBkey.
                *
                * EACH SYMBOLIC KEY IS OF THE FOLLOWING FORMAT:
                *
000000          SR8SYMBK DSECT                     SYMBOLIC KEY ENTRY.
000000          SR8SYCOM DS    XL1                 KEY PREFIX COMMON TO PRIOR KEY.
000001          SR8SYLEN DS    XL1                 LENGTH-1 OF FOLLOWING KEY.
000002          SR8SYKEY DS    0XL256              ACTUAL SYMBOLIC KEY, 1-256 BYTES.
        00002   SR8SYMLN EQU   *-SR8SYMBK          LENGTH WITHOUT SYMBOLIC KEY.
                *
                         PRINT GEN
```

1.68 #JBCDS

```
                    #DMCLDS TYPE=JBCDS
             ********************************************************************
             *      JBC (JOURNAL BUFFER) runtime DMCL control block   04/18/00 *
             ********************************************************************

Offset  Value

000000          JBC      DSECT
000000          JBC63    DS    CL4       'JB63'
000004          JBCFLAG1 DS    XL1       flag 1
000005          JBCFLAG2 DS    XL1       flag 2
        00008   JBCDROP  EQU   X'08'       -  VARY DMCL detected DROPPED BUFFER
        00004   JBCNEW   EQU   X'04'       -  VARY DMCL detected NEW BUFFER
        00002   JBCVARY  EQU   X'02'       -  VARY DMCL caused this JB63 to VARY
        00001   JBCDEAD  EQU   X'01'       -  VARY DMCL made this JB63 DEAD
000006          JBCNAME  DS    CL18      JOURNAL BUFFER name
000018          JBCDTIME DS    CL8       DATETIME stamp
000020          JBCBUFSZ DS    F         JOURNAL BUFFER size
000024          JBCBUFMX DS    F         maximum number of JBES
000028          JBCJBN   DS    A         next in available JBE set
00002C          JBCJBP   DS    A         prior in available JBE set
000030          JBCJBNIO DS    A         next JBE in I/O set
000034          JBCJBPIO DS    A         prior JBE in I/O set
000038          JBCGSTG  DS    A         GETSTG addr of JBE area
00003C          JBCJBEA  DS    A         address of first JBE in JBE AREA
000040          JBCJBEND DS    A         address of last JBE in JBE AREA
000044          JBCBUFNO DS    F         number of JBES in use
000048          JBCBUFRQ DS    F         requested number of JBES
00004C          JBCECB   DS    F         ECB for unavailable JBE and JBEE
000050          JBCJBEEA DS    A         address of JBEE area
000054          JBCJBEEF DS    A         address of next JBEE
000058          JBCDMN   DS    A         next in DM58-JB63
00005C          JBCJCN   DS    A         next in JB63-JD62
000060          JBCAJBEA DS    A         address of ABEND JBE
000064          JBCHJBEA DS    A         address of HEADER JBE
000068          JBCHECB  DS    3F        ECB to lock the JOURNAL HEADER
000074          JBCHIOPA DS    F         IOP which locked JOURNAL HEADER
000078          JBCUNAVL DS    A         next in unavailable JBE list
00007C          JBCFSTA  DS    A         address of FST
000080          JBCRCECB DS    3F        RECOVERY ECB
00008C          JBCWRTDB DS    F         DB WRITE started I/O
000090          JBCWRTCK DS    F         CKPT started I/O
000094          JBCWAIT  DS    F         times waited for JBE
000098          JBCSMAX  DS    F         max nbr of RU'S in DSEG
00009C          JBCPERC  DS    10F       permanent percent table
0000C4          JBCPERCR DS    10F       refreshable percent table
0000EC          JBCIOPS  DS    F         nbr of IOPS
0000F0          JBCTCEA  DS    A         TCE address of JOURNAL DRIVER
0000F4          JBCVBFN  DS    A         next in JOURNAL BUFFER VARY list
0000F8          JBCMSGN  DS    A         next in JBC/MESSAGE list
0000FC          JBCMSGA  DS    A         active MESSAGE
000100          JBCWRTWT DS    F         DBIJ started I/O after wait.             15.0
000104          JBCDSRBN DS    F         next DSEG RBN
000108          JBCDSINT DS    F         DSEG interval
00010C          JBCDSEG  DS    F         RBN of first DSEG
000110          JBCCURBN DS    F         RBN of current DSEG
000114          JBCJCC   DS    A         IDMSBLDR current JD62 (used only at startup)
000118          JBCLOCK1 DS    F         MP lock - locks ???????? processing
00011C          JBCRCVS  DS    F         Number of recoveries started, enter CRBK
000120          JBCIOS   DS    F         Number of journal blocks read, recovery
000124          JBCNIOS  DS    F         Number of journal buffers read, recovery
000128                   DS    2F        ***  NOT USED  ***
000130          JBCEND   DS    0F        end of DSECT

Offset  Value

        00130   JBCDSLEN EQU   *-JBC     length of DSECT
```

1.69 #JBEDS

```
                         COPY #JBEDS
                 *-------------------------------------------------------------------
                 *              $JOURNAL BUFFER ELEMENT DSECT
                 *-------------------------------------------------------------------

Offset  Value

000000           JBEDS    DSECT                                                 07/07/00
000000           JBEEXT   DS    F            JBEE list.  Same offset as JBEENEXT
000004           JBELIT   DS    CL4          JBE Literal.                          R150
000008                    DS    CL32
                 *                        Keep following pointers same offset as JBC
000028           JBENEXT  DS    F            Next pointer
00002C           JBEPRIOR DS    F            Prior pointer
000030           JBENXTIO DS    F            Next pointer in Start I/O List
000034           JBEPRIO  DS    F            Prior pointer in Start I/O List
                 *
000038           JBEFLAG1 DS    XL1
                 JBEMSWT  #FLAG X'80'        Journal Must Write Switch
000039           JBEMSWTI DS    0XL1
         00080   JBEMSWTM EQU   X'80'
                 JBECKPT  #FLAG X'40'        Checjpoint Record in Buffer
000039           JBECKPTI DS    0XL1
         00040   JBECKPTM EQU   X'40'
                 JBELOCK  #FLAG X'20'        JBE MP Locked
000039           JBELOCKI DS    0XL1
         00020   JBELOCKM EQU   X'20'
                 JBEDSEG  #FLAG X'10'        Buffer contains DSEG                  R150
000039           JBEDSEGI DS    0XL1
         00010   JBEDSEGM EQU   X'10'
000039           JBEFLAG2 DS    XL1
00003A           JBEFLAG3 DS    XL1
00003B           JBEFLAG4 DS    XL1
                 *
00003C           JBEIECB  DS    3F           Buffer use Lock ECB
000048           JBESEQ   DS    XL8          Journal Sequence Number
000050           JBERBN   DS    F            Contains the RBN for this JBE
000054           JBEBMA   DS    A            Address of the JBE's Journal Buffer
000058           JBESAVER DS    6F           REGISTER SAVE AREA
000070           JBEDIOPA DS    A            BUFFERS IOP FOR JOURNAL DRIVER
000074           JBEJCC   DS    A            Buffer's current journal
000078           JBENUS1  DS    10F          NOT USED SAVE AREA
0000A0           JBEEND   DS    0F           END OF JOURNAL BUFFER ELEMENT
         000A0   JBEDSLEN EQU   JBEEND-JBEDS
                 *      JOURNAL BUFFER HEADER ELEMENT
0000A0                    ORG   JBEIECB
00003C           JBEHECB  DS    3F           ECB TO LOCK THE HEADER JBE
000048           JBEHJCB  DS    A            Address of JCB in JBEHBMA
00004C                    DS    F            unused
000050           JBEHRBN  DS    F            RBN OF RECORD IN JBEHBMA
000054           JBEHBMA  DS    A            Address of jbeh's buffer
000058           JBEHIOPA DS    A            ADDRESS OF IOP WHICH LOCKED HEADER
00005C           JBEHSAVR DS    5F           REGISTER SAVE AREA
                 *     JOURNAL BUFFER ABEND ELEMENT
000070                    ORG   JBEIECB
00003C           JBEAECB  DS    3F           ECB TO LOCK THE ABEND JBE
000048           JBEAJCB  DS    A            ADDRESS OF JCB IN JBEHBMA
00004C                    DS    F            unused
000050           JBEARBN  DS    F            RBN OF RECORD IN JBEHBMA
000054           JBEABMA  DS    A            ADDRESS OF JBEA'S BUFFER
000058           JBEAIOPA DS    A            ADDRESS OF IOP WHICH LOCKED ABEND JBE
00005C           JBEASAVR DS    5F           REGISTER SAVE AREA
```

1.70 #JBEEDS

```
                         COPY #JBEEDS
                *-------------------------------------------------------------------
                *    JOURNAL BUFFER ELEMENT AREA HEADER DSECT
                *-------------------------------------------------------------------

Offset  Value

000000          JBEEH    DSECT
000000          JBEEHID  DS    CL4'JBEE'    Eye catcher.
000004          JBEEHSIZ DS    H            Size of JBEE area including header.
000006          JBEEHNUM DS    H            Number of JBEEs in area.
        00008   JBEEHLEN EQU   *-JBEEH      Length of header.
                *-------------------------------------------------------------------
                *    JOURNAL BUFFER ELEMENT EXTENSION DSECT
                *-------------------------------------------------------------------
000000          JBEEDS   DSECT
000000          JBEENEXT DS    F          $ NEXT JBEE
        00080   JBEEDISC EQU   X'80'        On when JBE written and JBEE disconnected.
000004          JBEEEECB DS    F          $ JOURNAL BUFFER WRITE ECB
000008          JBEERUWA DS    F          $ NUMBER OF RUN UNITS WAITING ON JBEEEECB
00000C          JBEEEND  DS    0F         $ END OF JOURNAL BUFFER EXTENSION ELEMENT
        0000C   JBEESLEN EQU   JBEEEND-JBEEDS
```

1.71 #JCBDS

```
                         #DMCLDS TYPE=JCBDS
                ********************************************************************
                *        JCB (JOURNAL) runtime DMCL control block          07/10/90 *
                ********************************************************************

Offset  Value

000000          JCB      DSECT
000000          JCB62    DS    CL4       'JD62'
000004          JCBFLAG1 DS    XL1       flag 1
        00080   JCBTAPE  EQU   X'80'       -  Tape Journal
        00040   JCBARCH  EQU   X'40'       -  Archive Journal
        00020   JCBEXCPN EQU   X'20'       -  Do Not use EXCP or XA type I/O
        00010   JCBALLC  EQU   X'10'       -  Allocate the File
        00008   JCBDALLC EQU   X'08'       -  De-Allocate the File
000005          JCBFLAG2 DS    XL1       flag 2
        00008   JCBDROP  EQU   X'08'       -  VARY DMCL detected DROPPED JOURNAL
        00004   JCBNEW   EQU   X'04'       -  VARY DMCL detected NEW JOURNAL
        00002   JCBVARY  EQU   X'02'       -  VARY DMCL caused this JD62 to VARY
        00001   JCBDEAD  EQU   X'01'       -  VARY DMCL made this JD62 DEAD
000006          JCBNAME  DS    CL27      JOURNAL name
000021          JCBDTIME DS    CL8       DATETIME stamp
000029          JCBDDNAM DS    CL8       DDNAME
000031          JCBEFLAG DS    XL1       Dataspace Flag
                * See FCBEFLAG for equates.  If used same apply here.
000032          JCBDTYP  DS    H         device type
000034          JCBPGSZ  DS    F         page size of FILE
000038          JCBPGNM  DS    F         number of pages in JOURNAL FILE
00003C                   DS    CL18      used in FCB
00004E          JCBBLKSZ DS    H         FILE'S blksize or control interval size
000050          JCBDMN   DS    A         next in DM58-JD62
000054          JCBJBN   DS    A         next in JB63-JD62
000058          JCBJCP   DS    F         set up in BRBK - prior disk chain
00005C          JCBTNG   DS    F         Used in RHDCDBRC for CA-IDMS/Unicenter data
000060          JCBDTFA  DS    0A        addr of JOURNAL's DTF (DOS)
000060          JCBDCBA  DS    A         addr of JOURNAL's DCB (MVS) random access
                *                          zeroes indicate ARCHIVAL JCB
000064                   DS    F         used in FCB
000068          JCBRBN   DS    F         relative block number
00006C          JCBOPST  DS    CL1       OPEN indicator for FILE
00006D          JCBFLAG  DS    CL1       usage indicator switch
00006E          JCBERRB  DS    H         ERROR return indicator from DAMOD
000070          JCBBYTK  DS    F         capacity BYTES per TRACK
000074          JCBPGTK  DS    F         pages per TRACK
000078          JCBLOCK  DS    F         MT lock word
00007C          JCBIOX2  DS    F         Reserved for IDMSIOX2 user exit.
000080          JCBUSER  DS    F         addr of JCB user storage
                *
000084          JCBQSAM  DS    0XL2      info used in FCB IDMSQSAM process
000084          JCBQSAMF DS    XL1       IDMSQSAM flag byte - See FCB.
000085          JCBBUFNO DS    XL1       number of QSAM buffers
000086          JCBNCRIT DS    XL1       Non Critical Flags - See FCB.
000087          JCBFLAG5 DS    XL1       Misc Flags         - See FCB.
                *
000088          JCBFSTA  DS    F         address of FILE status block
00008C          JCBJFCBA DS    F         addr of OS'S JFCB
000090          JCBOPNMD DS    CL1       OPEN mode always 1 for UPDATE
000091          JCBOPSTO DS    CL1       Saved OPEN indicator for FILE
000092                   DS    H         used in FCB
000094          JCBXECB  DS    3F        ECB for control of JOURNAL BUFF and FILE
0000A0          JCBBUFFA DS    A         owner JB63
0000A4                   DS    3A        used in FCB
0000B0          JCBRPT   DS    F         Records Per Track
```

```
Offset  Value

0000B4          JCBFLAG3 DS    XL1       Flag 3
        00080   JCBDSPST EQU   X'80'       -  DISP=SHR
        00040   JCBDSPNT EQU   X'40'       -  DISP=NEW
        00020   JCBDSPMT EQU   X'20'       -  DISP=MOD
        00010   JCBDSPOT EQU   X'10'       -  DISP=OLD
        00008   JCBDSPS  EQU   X'08'       -  DISP=SHR
        00004   JCBDSPN  EQU   X'04'       -  DISP=NEW
        00002   JCBDSPM  EQU   X'02'       -  DISP=MOD
        00001   JCBDSPO  EQU   X'01'       -  DISP=OLD
0000B5          JCBFLAG4 DS    XL1       Flag 4
        00080   JCBOPN   EQU   X'80'       -  Opened once
        00040   JCBFAILO EQU   X'40'       -  Open failed
        00020   JCBMIOFF EQU   X'20'       -  MIO is off
        00010   JCBNOMIO EQU   X'10'       -  Don't use MIO
0000B6          JCBBUFIO DS    XL1       number of BUFNO
0000B7          JCBBUFNP DS    XL1       number of NCP
0000B8          JCBFBUF  DS    H         used in FCB
0000BA                   DS    H         ***  not used  ***
0000BC          JCBDCBAS DS    A         addr of JOURNAL's DCB (MVS) sequential access
0000C0          JCBCHNDL DS    A         used in FCB
0000C4          JCBXDCBA DS    A         Addr of XDCB
0000C8                   DS    2F        ***  not used  ***
0000D0          JCBCACHE DS    CL16      used in FCB
0000E0          JCBDAD   DS    0X        DAD section
0000E0          JCBDSN   DS    CL44      DSN
00010C          JCBDISP  DS    CL3       DISPOSITION
00010F          JCBDADST DS    CL1       DAD status
000110          JCBUID   DS    CL8       VM User ID
000118          JCBVADD  DS    F         VM Virtual Address
00011C                   DS    F         ***  not used  ***
000120                   ORG   JCBUID
000110          JCBVOL   DS    CL6       VSE volser
000116                   ORG   JCBDAD
0000E0          JCBB2DSN DS    CL54      BS2K DSN
000116          JCBB2SHR DS    CL4       BS2K SHARUPD
00011A                   DS    XL6       * Reserved for future BS2K expansion *
000120          JCBEXEND DS    0F        end of extended DSECT
        00040   JCBDADL  EQU   *-JCBDAD  length of DAD section
000120          JCBEND   DS    0F        end of DSECT
        00120   JCBDSLEN EQU   *-JCB     length of DSECT
```

1.72 #JTRDS

```
                         COPY #JTRDS
                ***-------------------------------------------------------------------
                ***
                ***  JTR:     JOURNAL TAPE RECORD DSECT
                ***
                ***-------------------------------------------------------------------

Offset  Value

000000          JTR      DSECT                                                  01/28/00
000000          JTRBLKLN DS    H                        JOURNAL BLOCK LENGTH
000002                   DS    H                        NOT USED
                *
                *    TIME record
                *
000004                   ORG   JTR
000000          JTRTRLEN DS    H                        JOURNAL TIME REC LEN
000002                   DS    H                        NOT USED
000004          JTRTTYPE DS    CL4                      RECORD TYPE ('TIME')
000008          JTRTGMT  DS    XL8                      DTS Stamp Greenwich Mean Time.
000010          JTRTSEQ  DS    CL8                      JOURNAL REC SEQ NUMBER
000018          JTRTQUAL DS    XL8                      Transaction ID Qualifier.
000020          JTRTCVNO DS    X                        CV Number
000021          JTRTVERS DS    X                        Journal Version Number.
000022                   DS    H                        Filler.
000024          JTRTDATE DS    XL8                      DTS Stamp Local Time.
                *
00002C          JTRTRLN2 DS    H                        JOURNAL REC LEN 2
00002E                   DS    H                        NOT USED
        00030   JTRTMLEN EQU   *-JTRTRLEN               LEN OF TIME REC DSECT
                *
                *    BFOR/AFTR record
                *
000030                   ORG   JTR
000000          JTRRLEN  DS    H                        JOURNAL RECORD LENGTH
000002                   DS    H
000004          JTRTYPE  DS    CL4                      RECORD TYPE ('BFOR'/'AFTR')
000008          JTRGMT   DS    XL8                      Time Stamp Greenwich Mean Time.
000010          JTRSEQ   DS    CL8                      PAGE SEQUENCE NUMBER
000018          JTRQUAL  DS    XL8                      Transaction ID Qualifier.
000020          JTRCVNO  DS    X                        CV Number
000021          JTRVERS  DS    X                        Journal Version Number.
        00066   JTRVERX  EQU   102                      Current Version Number.
000022                   DS    H                        Filler.
000024          JTRCEND1 DS    0F                       End of common fields.
                *
                *    Following fields used by BFOR/AFTR/BGIN/ENDJ/COMT/RTSV/ABRT
                *
000024          JTRRUID  DS    F                        RUN UNIT I.D.
000028          JTRCEND2 DS    0F                       End of common fields.
                *
                *    Following fields used by BFOR/AFTR/AREA
                *
000028          JTRATYP  DS    C                        AREA TYPE
                *                                         X'00' - NATIVE IDMS
                *                                         X'01' - NATIVE VSAM KSDS
                *                                         X'02' - NATIVE VSAM ESDS
                *                                         X'03' - NATIVE VSAM RRDS
                *                                         X'04' - IDMS EXTENT AREA
000029          JTRVERBN DS    C                        DBMS VERB NUMBER
00002A          JTRPGRUP DS    H                        SCHEMA PAGE GROUP IDENTIFIER
00002C          JTRCEND3 DS    0F                       End of common fields.
                *
```

```
Offset  Value

                *    Following fields used only on BFOR/AFTR
                *
00002C          JTRDBKFM DS    F                       SCHEMA DBKEY FORMAT WORD
000030          JTRDBKEY DS    F                       DATABASE KEY
000034          JTRNVRID DS    0H                      RECORD I.D.       (NAT. VSAM)
000034          JTRLIID  DS    H                       RECORD I.D.         (L.I.)
000036          JTRNVKYD DS    0H                      PRIME KEY DSPL.   (NAT. VSAM)
000036          JTRLIDSP DS    H                       PAGE DISPLACEMENT   (L.I.)
000038          JTRNVRCL DS    0H                      RECORD IMAGE LEN  (NAT. VSAM)
000038          JTRLILEN DS    H                       RECORD IMAGE LENGTH (L.I.)
00003A          JTRNVKYL DS    0H                      PRIME KEY LENGTH  (NAT. VSAM)
00003A          JTRLIPL  DS    H                       PREFIX LENGTH       (L.I.)
00003C          JTRDBR14 DS    H                       DISP. INTO DBMS OF CALL
00003E          JTROFFST DS    H                       OFFSET FOR SPANNED RECORDS
000040          JTRDATA  DS    0H                      START OF RECORD IMAGE
                *
                *    RDW at end of record.
                *
000040          JTRRLEN2 DS    H                       RECORD LENGTH
000042                   DS    H                       NOT USED
        00044   JTRDSLEN EQU   *-JTR                   LENGTH OF BFOR/AFTR DSECT
                *
                *    Fields used by BGIN/ENDJ/ABRT/COMT/RTSV CHECKPOINT Records
                *
000044                   ORG   JTRCEND2
000028          JTRVIBA  DS    F                       VIB ADDRESS
00002C          JTRPROG  DS    CL8                     PROGRAM NAME
000034          JTRDATE  DS    CL8                     DATE STAMP
00003C          JTRTIME  DS    CL8                     TIME STAMP
000044          JTRRUQS  DS    H                       RUN UNIT QUIESCE LEVEL
000046          JTRQUIES DS    H                       RUN UNIT QUIESCE LEVEL
000048          JTRSVSEQ DS    0XL8                    SAVEPOINT SEQUENCE NUMBER
000048          JTRLOCID DS    0CL8                    LOCAL TASK ID FOR RU
000048          JTRLID1  DS    CL4                     DISPLAYABLE PART 1 OF LOCID
00004C          JTRLID2  DS    F                       BINARY NUMB PART 2 OF LOCID
        00054   JTRBGLEN EQU   *-JTR+4                 LENGTH OF 'BGIN' DSECT + RDW
                *
                *    Stat Fields only used by ENDJ/ABRT/COMT/RTSV Records
                *
000050          JTRUPCNT DS    F                       UPDATED RECORD COUNT
000054          JTRSTATS DS    29F                     RUN UNIT STATISTICS
0000C8                   DS    H                       RECORD LENGTH
0000CA                   DS    H                       NOT USED
        000CC   JTRENLEN EQU   *-JTR                   LENGTH OF DSECT
                *
                *    ENTRIES FOR 'AREA' CHECKPOINTS
                *
0000CC                   ORG   JTRCEND3
00002C          JTRAREA  DS    CL18                    AREA NAME
00003E          JTRARFL  DS    X                       Flag byte
        00008   JTRARSH  EQU   X'08'                   - Area in SHARE state (DPRSHARE)
        00004   JTRARIS  EQU   X'04'                   - Area in ICVI state (DPRICVI)
00003F                   DS    X                       Reserved
000040          JTRLOPG  DS    F                       LOW PAGE BOUNDRY
000044          JTRHIPG  DS    F                       HIGH PAGE BOUNDRY
000048          JTRMODE  DS    H                       OPEN MODE (1=RET,2=UPDT)
00004A          JTRACSS  DS    H                       OPEN ACCESS (1=SHR,2=EX,4=PROT)
00004C                   DS    H                       RECORD LENGTH
00004E                   DS    H                       NOT USED
        00050   JTRARLEN EQU   *-JTR                   LENGTH OF 'AREA' DSECT
                *
                *    IDMS-DC 'CKPT' RECORD
                *
000050                   ORG   JTRCEND1
000024          JTRCKQS  DS    F                       CURRENT QUIESCE LEVEL
000028          JTRCKNO  DS    H                       NUMBER OF R/U IN THIS CKPT
```

```
Offset  Value

00002A                  DS    H                       NOTUSED
        0002C  JTRCKFLN EQU   *-JTR                   LENGTH OF FIXED PORTION OF CKPT
               *
               *    IDMS-DC 'USER' JOURNAL RECORD LAYOUT
               *
00002C                  ORG   JTRCEND1
000024         JTRUOFST DS    H                       SPANNED RECORD OFFSET
000026         JTRUTLEN DS    H                       TOTAL USER REC DATA LENGTH
000028         JTRUDATA DS    0C                      START OF USER DATA
               *
               *    Journal utilities 'JRNM' record - JouRNal Misc
               *
000028                  ORG   JTRCEND1
000024         JTRJMST  DS    X                       SubType:
        00001  JTRJMST1 EQU   1                       - JUH
        00002  JTRJMST2 EQU   2                       - IFA
        00003  JTRJMST3 EQU   3                       - Member descriptor
000025                  DS    X                       Reserved
000026                  DS    H                       Reserved
000028         JTRJMDAT DS    0D                      Type-specific data
               ***
               ***      JUH: Journal Utility Header.
               ***
000028                  ORG   JTRJMDAT
000028         JTRJM1CD DS    XL8                     Create date/time
000030         JTRJM1SD DS    XL8                     Start Date/Time on tape.
000038         JTRJM1ED DS    XL8                     End   Date/Time on tape.
000040         JTRJM1UT DS    X                       Utility:
        00001  JTRJM1UE EQU   1                       - EXTRACT JOURNAL
        00002  JTRJM1UM EQU   2                       - MERGE ARCHIVE
               JTRJM1C  #FLAG X'80'                   On: COMPLETE option
000041         JTRJM1CI DS    0XL1
        00080  JTRJM1CM EQU   X'80'
000041                  DS    X                       Misc flags.
000042                  DS    X                       Reserved
000043                  DS    X                       Reserved
000044                  DS    0F                      Align JTRJM1EL
000044         JTRJM1EL DS    H                       Record length (RBCK)
000046                  DS    H                       Reserved
        00048  JTRJM1LN EQU   *-JTR
               ***
               ***      IFA: EXTRACT JOURNAL Image File ABRT/RTSV/INComplete range
               ***
000048                  ORG   JTRJMDAT
000028         JTRJM2RI DS    F                       Run Unit Id.
00002C         JTRJM2TY DS    X                       Type.
        00000  JTRJM2TR EQU   0                       RTSV range.
        00001  JTRJM2TA EQU   1                       Aborted RU.
        00002  JTRJM2TI EQU   2                       Incomplete RU.
00002D                  DS    3X                      Filler.
000030         JTRJM2PR DS    CL8                     Program Name.
000038         JTRJM2LS DS    XL8                     Low (begin) sequence.
000040         JTRJM2HS DS    XL8                     High (end)  sequence.
000048                  DS    0D                      Align record end
        00048  JTRJM2LN EQU   *-JTR
               ***
               ***      Journal Utilities Member descriptor record
               ***
000048                  ORG   JTRJMDAT
000028         JTRJM3LT DS    XL8                     Low (begin) GMT time.
000030         JTRJM3LS DS    XL8                     Low (begin) sequence.
000038         JTRJM3HT DS    XL8                     High (end)  GMT time.
000040         JTRJM3HS DS    XL8                     High (end)  sequence.
000048         JTRJM3RU DS    H                       Run-unit update level.
00004A         JTRJM3RQ DS    H                       Run-unit quiesce level.
00004C                  DS    0F                      Align JTRJM3EL
```

```
Offset  Value

00004C          JTRJM3EL DS    H                        Record length (RBCK)
00004E                   DS    H                        Reserved
        00050   JTRJM3LN EQU   *-JTR
                ***-------------------------------------------------------------------
                *
                *    DISK JOURNAL HEADER RECORDS
                *
                ***-------------------------------------------------------------------
000050                   ORG   JTRRLEN
000000          JDRRLEN  DS    H                        HEADER RECORD LENGTH
000002          JDRNUS1  DS    H                        NOT USED
000004          JDRTYPE  DS    F                        JHD1/JSEG/JHDA/JHDS/DSEG
                *
                *    JHD1 - Block 0 in journal file
                *
000008          JDRHVERS DS    CL4                      Journal Version Number. 'V102'
00000C                   DS    XL4                      Filler.
000010          JDRHNAME DS    CL16                     JOURNAL FILE NAME
000020          JDRHFULL DS    CL1                      FILE FULL INDICATOR
        00000   JDRHFULN EQU   0                        JOURNAL FILE NOT FULL
        00001   JDRHFULY EQU   1                        JOURNAL FILE FULL
000021          JDRHACTV DS    CL1                      FILE ACTIVE (BEING JOURNALED)
        00000   JDRHACTN EQU   0                        FILE NOT ACTIVE
        00001   JDRHACTY EQU   1                        FILE ACTIVE (BEING JOURNALED)
000022          JDRHRCVR DS    CL1                      RECOVERY IN USE COUNTER
        00000   JDRHRCVN EQU   0                        FILE NOT IN USE FOR ROLLBACK
000023          JDRHCOND DS    CL1                      FILE BEING CONDENSED IND
        00000   JDRHCONN EQU   0                        FILE NOT BEING CONDENSED
        00001   JDRHCONY EQU   1                        FILE CONDENSING
        00002   JDRHCONO EQU   2                        FILE BEING OFFLOADED
000024          JDRHCENT DS    CL1                      FILE IN USE BY CV INDICATOR
        00000   JDRHCENN EQU   0                        NOT IN USE BY CV
        00001   JDRHCENY EQU   1                        FILE IN USE BY CV
000025          JDRHRING DS    CL1                      FILE RECOVERING INDICATOR
        00000   JDRHRNGN EQU   0                        FILE NOT RECOVERING
        00001   JDRHRNGY EQU   1                        FILE RECOVERING
000026          JDRHWARM DS    CL1                      Warmstart indicator
        00000   JDRHWRMN EQU   0                           $ Warmstart not processed
        00001   JDRHWRMY EQU   1                           $ Warmstart processed
000027          JDRHNUS2 DS    CL1                      NOT USED
000028          JDRHAVNX DS    F                        NOT USED
00002C          JDRHNXSQ DS    CL8                      NEXT AVAIL JTRSEQ NUMBER
000034          JDRHSCON DS    F                        SEGNO OF SEGMENT BEING CONDENS
000038          JDRHSGNO DS    F                        SEGNO OF CURRENT SEGMENT
00003C          JDRHLRBN DS    F                        NOT USED
000040          JDRHHRBN DS    F                        HIRBN OF CURRENT SEGMENT
000044          JDRHRUID DS    F                        LAST USED R/U ID
000048          JDRHRBNS DS    F                        RBN OF 'JHDS' REC
00004C          JDRHRBNA DS    F                        RBN OF 'JHDA' REC
000050          JDRHRBNX DS    F                        FIRST AVAILABLE RBN
000054          JDRHNOSG DS    H                        NO OF ELEMENTS IN SEG TAB
000056          JDRHNOAR DS    H                        NO OF ELEMENTS IN AREA TAB
000058          JDRHTNSQ DS    CL8                      TEMPORARY JTRSEQ NUMBER
000060          JDRHDRBN DS    F                        DRBN OF LAST DSEG RECORD
000064          JDRHDINT DS    F                        DSEG INTERVAL
000068          JDRHEPCH DS    F                        EPOCH TIME
00006C          JDRHRUQL DS    F                        QUIESCE LEVEL
000070          JDRHDMC  DS    CL8                      DMCL NAME
000078          JDRHDMDT DS    CL8                      DMCL DATE
000080          JDRHPGNM DS    F                        NUMBER OF PAGES IN JOURNAL
000084          JDRHDSG  DS    CL8                      Data Sharing Group Name   *R150
00008C          JDRHDSM  DS    CL16                     Data Sharing Member Name  *R150
00009C          JDRHCVNM DS    XL1                      JOURNAL'S CV NUMBER   IDMS/2107
00009D                   DS    XL3                      UNUSED                IDMS/2107
0000A0          JDRHQUAL DS    XL8                      Transaction ID Qualifier.
        000A8   JDRHFLEN EQU   *-JTR                    LEN OF FIXED PORTION OF HDR
```

```
Offset  Value

                *-----------------------------------------------------------------
                *    JHDS - Contains segment table for journal
                *           Currently blocks 1,2,3 on journal  - relative to zero.
                *-----------------------------------------------------------------
0000A8                  ORG   JDRHNAME
000010          JDRHSCND DS    CL1                      CONDENSE INDICATOR
        00000   JDRHSCNN EQU   0                        FILE NOT BEING CONDENSED
        00001   JDRHSCNY EQU   1                        FILE IN CONDENSE STATE
        00002   JDRHSCNO EQU   2                        FILE IN OFFLOAD STATE
        00004   JDRHSCNC EQU   4                        CONDENSING CURRENT FILE
000011          JDRHSFL1 DS    CL1                      FILE EMPTY/FULL
        00000   JDRHSMTN EQU   0                        FILE IS FULL
        00001   JDRHSMTY EQU   1                        FILE IS EMPTY
000012          JDRHSFL2 DS    CL1                      FLAG 2
        00000   JDRHSAJN EQU   0                        NO ERRORS
        00001   JDRHSAJY EQU   1                        AJNL FOUND ERRORS
000013          JDRHSFL3 DS    CL1                      FLAG 3
                *
000014          JDRHSOWN DS    H                        OFFLOAD WINDOW
000016          JDRHSWN  DS    H                        USED TO CLOSE CONDENSE WINDOW
000018          JDRHSNOS DS    H                        NO OF ELEMENTS IN ALL JHDS'S
00001A          JDRHSUS3 DS    H                        NOT USED
00001C          JDRHSNOR DS    H                        NO OF ELEMENTS IN 'JHDS' REC
00001E          JDRHSMAX DS    H                        MAX NO OF ELEMENTS IN 'JHDS'
000020          JDRHSSGN DS    F                        SEGMENT NO AJNL IS WORKING ON
000024          JDRHSLRN DS    F                        LOW RBN
000028          JDRHSVNX DS    F                        NEXT AVAILABLE RBN
00002C          JDRHSAJS DS    F                        AJNL ERROR STATUS
        00030   JDRHSLEN EQU   *-JTR
                *-----------------------------------------------------------------
                *    JHDA - Fixed portion of Area status table
                *           Starts with block 4  - relative to zero.
                *           But can be as many as needed.
                *-----------------------------------------------------------------
000030                  ORG   JDRHNAME
000010          JDRHANOR DS    H                        NO OF ELEMENTS IN 'JHDA' REC
000012          JDRHAMAX DS    H                        MAX NO OF ELEMENTS IN 'JHDA'
000014          JDRHARCV DS    H                        NO OF RECOVERY RU'S
000016          JDRHAWRC DS    H                        SAVED NUM OF RECVRY UNITS
000018          JDRHARBN DS    F                        RBN OF TRAILING JHDA'S
        0001C   JDRHALEN EQU   *-JTR
                *-----------------------------------------------------------------
                *    JSEG/DSEG/JSGX - Active Run Unit Table - Fixed portion
                *-----------------------------------------------------------------
        00010   JDRSEQ   EQU   JTRSEQ                   JOURNAL SEQUENCE NUMBER
00001C                  ORG   JTRCEND1
000024          JDRSRBNX DS    F                        RBN OF JSEG EXTENSION
000028          JDRSNORU DS    H                        NO OF RUN UNITS IN 'JSEG' REC
00002A          JDRSMAX  DS    H                        MAX NO OF RU'S IN 'JSEG' REC
00002C          JDRSRUQS DS    F                        RUN UNIT QUIESCE LEVEL
        00030   JDRSFLEN EQU   *-JTR
                *-----------------------------------------------------------------
                *    JHDS - SEGMENT LOCATION ELEMENT LAYOUT
                *-----------------------------------------------------------------
000000          JDRSSTRT DSECT
000000          JDRSSGNM DS    F                        SEGMENT NUMBER
000004          JDRSSGLO DS    F                        LOWEST RBN OF SEGMENT
000008          JDRSSGHI DS    F                        HIGHEST RBN OF SEGMENT
        0000C   JDRSVLEN EQU   *-JDRSSTRT               LEN OF SEG LOC ELEMENT
                *-----------------------------------------------------------------
                *    JHDA - AREA STATUS ELEMENT LAYOUT
                *-----------------------------------------------------------------
000000          JDRASTRT DSECT
000000          JDRAALOP DS    F                   LOPAGE OF AREA
000004          JDRAAPID DS    H                   AREA PAGE GROUP IDENTIFIER
000006          JDRAARST DS    CL1                 AREA STATUS:
```

```
Offset  Value

000007          JDRAARSS DS    CL1                 AREA Start Up status.
        00080   JDRAASHR EQU   X'80'               On if Area being shared.
                *
                *        EQU   0           AREA not in use
                *        EQU   1           AREA is OFFLINE to current task
                *        EQU   2           AREA in use in TRANSIENT RETRIEVAL mode
                *        EQU   3           AREA in use in RETRIEVAL mode
                *        EQU   4           AREA in use in UPDATE mode
                *
        00008   JDRAVLEN EQU   *-JDRASTRT          LENGTH OF AREA ELEMENT.
                *-------------------------------------------------------------------
                *    JSEG/DSEG/JSGX - RECOVERY-UNIT TABLE ELEMENT LAYOUT
                *-------------------------------------------------------------------
000000          JDRSRUTB DSECT
000000          JDRSRUID DS    F                       RUN-UNIT ID
000004          JDRSRUSQ DS    CL8                     JTRSEQ OF BEGINNING OF R/U
00000C          JDRSRTSV DS    CL8                     JTRSEQ FROM RTSV RECORD
000014          JDRSBGIN DS    C                       SEGMENT CONTAINS 'BGIN' IND
000015          JDRSENDR DS    C                       SEGMENT CONTAINS END OF
                *                                        RECVRY-UNIT (COMT/ENDJ/ABRT)
000016          JDRSBGCM DS    C                       JDRSRUSQ IS BGIN/COMT IND
000017                   DS    C
        00018   JDRSGLEN EQU   *-JDRSRUTB              LEN OF R/U ELEMENT
                *-----------------------------------------------------------------
                *    IDMS-DC 'CKPT' RECORD - Run Unit Table Entry.
                *-----------------------------------------------------------------
000000          JTRCKTB  DSECT
000000          JTRCKPG  DS    CL8                     PROGRAM NAME
000008          JTRCKRU  DS    F                       RUN UNIT ID
        0000C   JTRCKTBL EQU   *-JTRCKTB               LENGTH OF ONE TABLE ENTRY
```

1.73 #LCBDS

```
                        COPY #LCBDS

Offset  Value

000000          IJLLCB   DSECT LINE CONTROL BLOCK LAYOUT  13:28:22 12/15/80
000000          IJLLCBRC DS    H                        RESIDUAL COUNT
000002          IJLLCBT  DS    0XL2                     TRANSMISSION BYTES
000002          IJLLCBT0 DS    XL1                      TRANSMISSION BYTE 0
000003          IJLLCBT1 DS    XL1                      TRANSMISSION BYTE 1
000004          IJLLCBS  DS    0XL2                     CSW STATUS BYTES
000004          IJLLCBS0 DS    XL1                      CSW STATUS BYTE 0
000005          IJLLCBS1 DS    XL1                      CSW STATUS BYTE 1
000006          IJLLCBLU DS    YL2              LOGICAL UNIT CLASS AND ORDER
000008                   DS    XL1                 RESERVED,MUST ALWAYS BE 0
000009          IJLLCBCA DS    AL3                      CHANNEL PROGRAM ADDRESS
00000C          IJLLCBT2 DS    XL1                      TRANSMISSION BYTE 2
00000D          IJLLCBAA DS    VL3                      APPENDAGE ADDRESS
000010          IJLLCBFL DS    XL1                      FLAG BYTE OF LCB
000011          IJLLCBDE DS    AL3                      DECB ADDRESS
000014          IJLLCBRL DS    HL1                      RELATIVE LINE NUMBER
000015          IJLLCBAK DS    XL1                      SND ACK AND RCV ACK
000016          IJLLCBAR DS    XL1                      ACK LMT AND RETRY COUNT
000017          IJLLCBSM DS    XL1                      SET MODE
        00018   IJLLCBHX EQU   *-IJLLCBRC
000018          IJLLCBSW DS    D        ERP MESSAGE CODE AND STATUS SAVE AREA
000020          IJLLCBC0 DS    D CCW RESERVED FOR ERP AND ARU
000028          IJLLCBC1 DS    0D FIRST PROGRAM CCW IN LCB
000028          IJLLCBCC DS    XL1                      COMMAND CODE
000029          IJLLCBDA DS    AL3                      DATA ADDRESS
00002C          IJLLCBCF DS    XL1                      CHANNEL FLAGS
00002D          IJLLCBTC DS    XL1                      TELECOM PROG CODE
00002E          IJLLCBDC DS    H                        DATA COUNT
000030                   DS    7D     BSC CCW AREA
000068          IJLLCBMK DS    XL1      MARKER INDICATOR
000069          IJLLCBTE DS    XL1      TOTAL USER RETRY COUNT
00006A          IJLLCBRT DS    XL1      USER RETRY COUNT
00006B          IJLLCBET DS    XL1      ERP RETRY COUNT
00006C          IJLLCBF1 DS    XL1        BSC ERP FLAG AREA
00006D          IJLLCBF2 DS    XL1    BSC FLAG 2
00006E          IJLLCBF3 DS    XL1    BSC FLAG 3
00006F          IJLLCBF4 DS    XL1    USED TO SAVE CCB COPY COUNT ON RFT
000070          IJLLCBF5 DS    XL1              BSC MPT TERM. LIST INDEX BYTE @DA04583
000071          IJLLCBF6 DS    XL1                BSC FLAG BYTE               @DA04583
        00080   IJLLHPTO EQU   X'80'               LINE HIT WHICH CAUSED POLL  @DA04583
                *                                  TIME OUT FOR BSC MPT        @DA04583
000072          IJLLCBF7 DS    XL1                RESERVED                    @DA04583
000073          IJLLCBF8 DS    XL1                RESERVED                    @DA04583
000074          IJLLCBRS DS    XL4                RESERVED                    @DA04583
000078          IJLLCBC3 DS    3D      BSC ERP CCW AREA
000090          IJLLCBLI DS    XL1       ID LENGTH-BSC2 ONLY                      3-A
000091          IJLLCBID DS    XL15      ID FIELD-BSC2 ONLY                       3-A
                * AT THE END OF EACH LCB ONE DOUBLE WORD HAS BEEN ADDED FOR A  @DA02048
                * SAVE AREA FOR TERMINAL ID.                                   @DA02048
                * ALSO ANOTHER DOUBLE WORD WAS ADDED TO EACH LCB BEFORE THE    @DA02048
                * TERMINAL ID FIELD FOR SWITCHED LCBS ONLY TO CONTAIN DIAL     @DA02048
                * ADDRESS.                                                     @DA02048
        000A0   IJLLCBL  EQU   *-IJLLCB            LENGTH OF DSECT
```

1.74 #LDCBDS

```
                 COPY #LDCBDS
        ********************************************************************
        ***                                                              ***
        *** LDCB:  LOAD LIBRARY DCB LIST ELEMENT...DCB+CONTROL INFO.     ***
        ***                                                              ***
        ********************************************************************

Offset  Value

000000          LDCB     DSECT                          01/24/89 21:48:55
000000          LDCBNXTA DS    A                   NEXT LDCB IN CHAIN
000004          LDCBDDNM DS    CL8                 DDNAME FOR THIS LIBRARY
00000C          LDCBVER  DS    H                   VERSION FOR THIS LIBRARY
                LDCBSTP  #FLAG X'80'               NO CDMSLIB DD, USE STEPLIB (BATCH)
00000E          LDCBSTPI DS    0XL1
        00080   LDCBSTPM EQU   X'80'
                ***      #FLAG X'40'               UNUSED
                LDCBEXC  #FLAG X'20'               ON IF EXCP USED FOR PROGRAM LOAD
00000E          LDCBEXCI DS    0XL1
        00020   LDCBEXCM EQU   X'20'
                LDCBOUT  #FLAG X'10'               ON IF DCB USED FOR OUTPUT
00000E          LDCBOUTI DS    0XL1
        00010   LDCBOUTM EQU   X'10'
                ***      #FLAG X'08'               UNUSED
                LDCBOFL  #FLAG X'04'               ON IF DCB LOGICALLY OFFLINE
00000E          LDCBOFLI DS    0XL1
        00004   LDCBOFLM EQU   X'04'
                LDCBFAL  #FLAG X'02'               ON IF DCB TRIED TO OPEN, FAILED
00000E          LDCBFALI DS    0XL1
        00002   LDCBFALM EQU   X'02'
                LDCBOPN  #FLAG X'01'               ON IF DCB OPEN, OFF IF CLOSED
00000E          LDCBOPNI DS    0XL1
        00001   LDCBOPNM EQU   X'01'
                LDCBRES  #FLAG LDCBOPNM+LDCBFALM   ON IF DCB TO BE CLOSED, REOPENED
00000E          LDCBRESI DS    0XL1
        00003   LDCBRESM EQU   LDCBOPNM+LDCBFALM
00000E          LDCBFLAG DS    XL1                 STATUS FLAG OF LIBRARY.
        00000   LDCBCLOS EQU   0                   DCB IS CLOSED.
        00001   LDCBOPEN EQU   LDCBOPNM            DCB IS OPEN.
        00002   LDCBFAIL EQU   LDCBFALM            DCB TRIED TO OPEN, FAILED.
        00003   LDCBREST EQU   LDCBRESM            DCB TO BE CLOSED AND REOPENED
        00004   LDCBOFFL EQU   LDCBOFLM            DCB LOGICALLY OFFLINE.
00000F                  DS    XL1                 RESERVED.
        00058   LDCBDCBL EQU   88                  LENGTH OF BDAM DCB.
000010          LDCBDCB  DS    (LDCBDCBL)X         SPACE FOR DCB ITSELF.
000068                  DS    A                   UNUSED
00006C                  DS    A                   UNUSED
        00070   LDCBDSLN EQU   *-LDCB              LENGTH OF BLOCK.
```

1.75 #LDEDS

```
                         COPY #LDEDS
                ********************************************************************
                ***                                                              ***
                *** LDE:   LOGICAL TERMINAL/DESTINATION PRINTER JUNCTION ELEMENT  ***
                ***                                                              ***
                ********************************************************************

Offset  Value

000000          LDE      DSECT                           20:26:54 02/11/81
000000          LDENLDE  DS    A                    NEXT LDE IN LTE-LDE
                LDEOFFL  #FLAG X'80'                DDE MARKED OFFLINE TO LTE
000004          LDEOFFLI DS    0XL1
        00080   LDEOFFLM EQU   X'80'
000004          LDEDDEA  DS    A                    OWNER DDE
        00008   LDEDSLEN EQU   ((*-LDE+3)/4)*4      LENGTH OF DSECT
```

1.76 #LGRDS

```
                         COPY #LGRDS
                 ***********************************************************************
                 ***                                                                 ***
                 *** LGR:   DCLOG RECORD DESCRIPTION DSECT.                          ***
                 ***                                                                 ***
                 ***********************************************************************

Offset  Value

000000           LGR      DSECT                                                 10/26/90
                 *
000000           LGRDTK   DS    XL8                 SQL INTERNAL FORMAT DATE/TIME
                 * BITS  0-26 = NBR OF DAYS SINCE JANUARY 1, 0001
                 * BITS 27-43 = NBR OF SECONDS SINCE MIDNIGHT OF THIS DAY
                 * BITS 44-63 = NBR OF MICROSECONDS WITHIN THIS SECOND
                 *
000008           LGRID    DS    CL8                 IDENTIFIER (LTEID OR 'DCSYSTEM')
000010           LGRTYPE  DS    CL1                 RECORD TYPE
000011           LGRSTAT  DS    CL1                 STATUS
000012           LGRLEN   DS    H                   TEXT LENGTH
000014           LGRTEXT  DS    0C                  START OF TEXT
                 *  RECORD TYPES.
        000F0    LGRTLNK  EQU   C'0'                LINKAGE - TO SKIP BINARY
        000F1    LGRTWTL  EQU   C'1'                WTL TEXT
        000F2    LGRTTRT  EQU   C'2'                TRACE TEXT
        000F3    LGRTTRB  EQU   C'3'                TRACE BINARY
        000F4    LGRTSDT  EQU   C'4'                SNAP/DUMP TEXT
        000F5    LGRTSDB  EQU   C'5'                SNAP/DUMP BINARY
        000F6    LGRTSTA  EQU   C'6'  (X'F6')       STATISTICS TEXT
                 *                                      EITHER THE STATISTICS RECORD
                 *                                      IS COMPLETELY CONTAINED IN
                 *                                      THIS ONE LOG RECORD
                 *                                      OR THIS IS THE CONTINUED
                 *                                      PORTION OF THE PRIOR X'76'
                 *                                      STATISTICS LOG RECORD.
        00076    LGRTSTAC EQU   X'76'               STATISTICS TEXT
                 *                                      STATISTICS RECORD WILL BE
                 *                                      CONTINUED ON NEXT LOG REC
        000FF    LGRTEND  EQU   X'FF'               FORCE END FLAG ON THIS PAGE
                 *  RECORD STATUS.
        000D3    LGRSTL   EQU   C'L'                LOGGED (NOT-YET-SAVED)
        000E2    LGRSTS   EQU   C'S'                SAVED (CAN BE RE-USED)
        000C5    LGRSEND  EQU   C'E'                LAST LOGGED PAGE OF A SESSION
                 *  MAXIMUM TEXT LENGTH.
        00100    LGRMAXL  EQU   256
                 *
                 *
                 *   FORMAT OF TYPE 5 RECORD--SET BY RHDCSNAP, USED BY RHDCPLOG
                 *
                 *
000014                   ORG   LGRTEXT
000014           LGR5ASA  DS    0CL1                ASA CONTROL CHARACTER.
000014           LGR5REPL DS    A                 AL3(REPLICATION FACTOR)FOR PREV LINE.
                 *   NUMBER OF TIMES PREVIOUS 128 BYTES ARE REPEATED.
000018           LGR5ADDR DS    A                   ADDRESS OF TEXT WHICH FOLLOWS.
00001C           LGR5HEX  DS    XL128               ACTUAL HEX.
                 *  FOR FORMAT 5, THE LGRLEN IS ALWAYS (HEX LENGTH)+8, UNLESS THE
                 *  LAST LINE OF A DUMP IS REPLICATION ONLY--THEN LGRLEN=4.
```

1.77 #LRBDS

```
                         COPY #LRBDS
                ********************************************************************
                ***  #LRBDS DESCRIBES THE LINE REQUEST BLOCK DESECT FOR LINE I/O  ***
                ********************************************************************

Offset  Value

000000          LRB      DSECT                           01/22/91 10:47:13   01/30/91
                         PRINT NOGEN
                LRBLINO  #FLAG X'01'                   LINEOUT request
                LRBLINI  #FLAG X'02'                   LINEIN  request
                LRBCHEK  #FLAG X'04'                    OUT: OPTNS=CHECK
                LRBNEWP  #FLAG X'08'                    OUT: OPTNS=NEWPAGE
                LRBINVS  #FLAG X'08'                     IN: OPTNS=INVIS
                LRBLAST  #FLAG X'10'                    OUT: OPTNS=BLAST
                LRBLOC   #FLAG X'10'                     IN: OPTNS=LOCATE
                LRBDEST  #FLAG X'20'                    OUT: DESTID
                LRBECHO  #FLAG X'20'                     IN: OPTNS=ECHO
                LRBBKPG  #FLAG X'40'                   both: OPTNS=NOBKPG
                LRBUSER  #FLAG X'40'                    OUT: USERID
                LRBMSTR  #FLAG X'80'                   both: OPTNS=MSTR
                LRBLTER  #FLAG X'80'                    OUT: LTERMID
000000          LRBOPTNS DS    X
                LRBCONT  #FLAG X'01'                     IN: COND=TRUNC
                LRBWCC   #FLAG X'01'                    OUT: OPTNS=CC
                LRBCONC  #FLAG X'02'                   both: COND=CANC
                LRBCONE  #FLAG X'04'                   both: COND=IOER
                LRBCONI  #FLAG X'08'                   both: COND=INVP
                LRBPRMP  #FLAG X'10'                    OUT: PROMPT=YES
                LRBCOND  #FLAG X'20'                    OUT: COND=UNDF
                LRBUPP   #FLAG X'20'                     IN: OPTNS=UPPER
                LRBSAVE  #FLAG X'40'                    OUT: OPTNS=SAVE
                LRBUPL   #FLAG X'40'                     IN: OPTNS=UPLOW
                LRBUNPR  #FLAG X'80'                     IN: OPTNS=UNPROT
                LRBTLAT  #FLAG X'80'                    OUT: OPTNS=TRLATIN (SYSTEM)
000001          LRBCONDC DS    X
000002          LRBLEN   DS    H                       both: data length
000004          LRBAREA  DS    A                       both: data address
000008          LRBHDR   DS    X                        OUT: header number
        0000C   LRBDSLEN EQU   ((*-LRB+3)/4)*4         Length of dsect.
                *
                *   Equates for R15 completion codes:
                *
        00004   LRB#TRUN EQU   4                    Input truncated.
        00008   LRB#CANC EQU   8                    LIO session cancelled.
        0000C   LRB#IOER EQU   12                   I/O error.
        00010   LRB#INVP EQU   16                   Invalid parm list (LRB).
        00014   LRB#INVS EQU   20                   Unknow screen size.
        00018   LRB#INVD EQU   24                   Undefined DEST/USER/LTERM.
                *
                         PRINT GEN
```

1.78 #LRCDS

```
                         COPY #LRCDS
                ***
                ***
                ***  LRC:     SUBSCHEMA-LR-CTRL FOR LOGICAL RECORD COMMUNICATION
                ***
                ***

Offset  Value

000000          LRC      DSECT                       16:2521:09:09 02/15/84
000000          LRPXELEN DS    H                   LEN (BYTES) TO END OF PXE'S.
000002          LRMAXVXP DS    H                   LENGTH IN BYTES OF VXP.
000004          LRIDENT  DS    CL4                 IDENTIFICATION LITERAL 'LRC '
000008          LRVERB   DS    CL8                 VERB FOR CURRENT REQUEST.
000010          LRNAME   DS    CL16                LOGICAL RECORD NAME.
000020          LRSTATUS DS    CL16                PATH STATUS RETURNED.
000030          LREVALRC DS    H                   EVAL RETURN CODE.
000032                   DS    H                   RESERVED.
000034                   DS    3F                  RESERVED.
                *
000040          LRPXE    DS    0CL16               START OF PXE AREA.
000040          LRPXNEXT DS    F                   OFFSET FROM LRC TO NEXT PXE
000044          LRPXTAB0 DS    H                   OFFSET INTO BAT FOR OPERAND
000046          LRPXDSPL DS    H                   DISPLACEMENT FOR OPERAND
000048          LRPXDYN  DS    H                   OFFSET OF VXDE IN THE VXP
00004A          LRPXDLEN DS    H                   LENGTH OF OPERAND
00004C          LRPXNDEC DS    AL1                 NUM DECIMAL PLACES IN OPERAND
00004D          LRPXDTYP DS    XL1                 DATA TYPE (SEE #XDEDS)
00004E          LRPXOTYP DS    XL1                 OPERATOR TYPE (SEE #XDEDS)
        000FE   LRPXOKEY EQU   254                 .....TYPE IS KEYWORD.
00004F          LRPXFLAG DS    XL1                 FLAG BYTE (SEE #XDEDS)
000050          LRPXLIT  DS    0XL256              START OF LITERAL FOR PXE.
        00040   LRCDSLEN EQU   LRPXE-LRC           LENGTH OF ROOT PART OF DSECT.
```

1.79 #LREDS

```
                    COPY #LREDS
            ***
            ***
            ***  LRE:     LOCAL REQUEST ELEMENT
            ***
            ***

Offset  Value

000000          LRE      DSECT                                                  11/27/93
000000          LREID    DS    CL4                      "LRE "
000004          LREFUNCN DS    XL1                      FUNCTION NUMBER
        00003   LREFSNRU EQU   3                        FUNC 03  SINON RU
        00004   LREFSFRU EQU   4                        FUNC 04  SINOF RU
        00005   LREFPOCV EQU   5                        FUNC 05  INT POSTS CV
        00007   LREFUTOP EQU   7                        FUNC 07  MOVE UWA TO PAK
        00008   LREFPTOU EQU   8                        FUNC 08  MOVE PAK TO UWA
000005          LRECVNUM DS    XL1                      CENTRAL VERSION NUMBER 0-255
000006          LRESTAT  DS    XL1                      STATUS
        00000   LREAVAIL EQU   0                        0      AVAILABLE
        00001   LRE31B   EQU   X'01'                    X'01'  LRE FROM AMODE = 31
        00020   LREASWAP EQU   X'20'                    X'20'  MAY BE SWAPPED OUT
        00040   LRELINK  EQU   X'40'                    X'40'  LINKED TO ERE
000007          LREPAKET DS    XL1                      PAKET DATA MOVEMENT TYPE
        00000   LREPAK0  EQU   0                        0  NO PAKETS
        00001   LREPAK1  EQU   1                        1  ERUS BUILDS/INT UNPAKS
        00002   LREPAK2  EQU   2                        2  SVC BY INT BUILDS/UNPAKS
        00003   LREPAK3  EQU   3                        3  INT BUILDS/UNPAKS
000008          LREPARMA DS    A                        A(USER PARMLIST)
00000C          LRETSKID DS    F                        ERUS' TCETSKID
000010          LREECB   DS    F                        LOCAL RU ECB  (WAITED BY INT)
000014          LREEREA  DS    A                        A(ERE)       (POSTED BY INT)
000018          LRECSVCE DS    A                        A(CSVC ENTRY)
00001C          LRETYPE  DS    XL1                      TYPE OF INT (IDMS,OLQ...)
        00001   LRETYPEI EQU   1                        IDMS INTERFACE
        00002   LRETYPEO EQU   2                        NONIDMS INTERFACE (OLQ...)
00001D          LREFLG1  DS    XL1
        00080   LRER100  EQU   X'80'                    CV IS REL 10.0 OR LATER
        00020   LREINTCB EQU   X'20'                    Int rqsts BIND48 intercept
        00010   LRESVCBI EQU   X'10'                    SVC honors BIND48 intercept
00001E          LREPAKSZ DS    H                        REQUESTED PAKET SIZE
000020          LRELOCID DS    0CL8                     LOCAL TASK IDENTIFICATION
                *                                       FOR ABEND DETECTION
000020          LRELID1  DS    CL4                      LOCAL ID PART 1
000024          LRELID2  DS    XL4                      LOCAL ID PART 2
000028          LRETEMP  DS    F                        TEMP WORK AREA FOR CSVC  *RBK
        0002C   LREDSLEN EQU   *-LRE                    LENGTH OF DSECT
```

1.80 #LTEDS

```
                        COPY #LTEDS

Offset  Value

000000          LTE      DSECT                                          10/10/96
                ************************************************************************
                ***                                                                  ***
                *** LTE:   Logical Terminal Element                                  ***
                ***                                                                  ***
                ************************************************************************
                         #PRT  NOGEN
                         PRINT ON
                         PRINT GEN
                         PRINT NODATA
                *------------------------------------------------------------------------
                *  Fixed Session Control Information
                *------------------------------------------------------------------------
000000          LTEID    DS    CL8                 Session ID (name)
000008          LTELEN   DS    H                   Length of this Session CB
                *------------------------------------------------------------------------
                * Equates for LTE type
                *------------------------------------------------------------------------
00000A          LTETYP   DS    X                   Session Type:
        00001   LTEFRST  EQU   1                      Freestanding
        00002   LTEINTR  EQU   2                      Interactive
        00003   LTEPRNT  EQU   3                      Printer
        00004   LTESWIT  EQU   4                      Switch
        00005   LTEBATC  EQU   5                      Batch
        00006   LTESECN  EQU   6                      Secondary
        00007   LTESECA  EQU   7                      TCELTES session anchor
        00008   LTEBULK  EQU   8                      BULK LTE
        00008   LTETYPMX EQU   8                      MAXIMUM ALLOWABLE LTETYP VALUE
                *------------------------------------------------------------------------
                *  Flags in the fixed portion
                *------------------------------------------------------------------------
                LTESUSP  #FLAG X'80'               Session is 'suspended'
00000B          LTESUSPI DS    0XL1
        00080   LTESUSPM EQU   X'80'
                LTERFRE  #FLAG X'40'               LTE is approved for being free'd
00000B          LTERFREI DS    0XL1
        00040   LTERFREM EQU   X'40'
                LTEALIV  #FLAG X'20'               Session alive on this LTE
00000B          LTEALIVI DS    0XL1
        00020   LTEALIVM EQU   X'20'
                LTEGLTE  #FLAG X'10'               LTE was #GETLTE'd
00000B          LTEGLTEI DS    0XL1
        00010   LTEGLTEM EQU   X'10'
                LTEDYN   #FLAG X'08'               LTE was dynamically created
00000B          LTEDYNI  DS    0XL1
        00008   LTEDYNM  EQU   X'08'
                *        #FLAG X'04'               -reserved-
                LTESVPS  #FLAG X'02'               LTE owns Savepointable Scratch
00000B          LTESVPSI DS    0XL1
        00002   LTESVPSM EQU   X'02'
                LTEOUTS  #FLAG X'01'               On if out of service
00000B          LTEOUTSI DS    0XL1
        00001   LTEOUTSM EQU   X'01'
00000B          LTEFXFLG DS    X
                *------------------------------------------------------------------------
                * Resource ownership and processing queue residence
                *------------------------------------------------------------------------
00000C          LTENLTE  DS    A                   Next LTE on processing queue
                *------------------------------------------------------------------------
```

```
Offset  Value

                *  Session resource anchors
                *-----------------------------------------------------------------
000010          LTERLEA  DS    2A                  Session resource (RCE) anchor
000018          LTELKSA  DS    A                   --> lock mgr session cb
00001C          LTEENVA  DS    A                   Address environment control block
000020          LTEMRLEA DS    2A                  Session Storage (RCE) anchor
000028          LTESLTEA DS    A                   Address of secondary LTE queue
                *           If this is a secondary LTE
                *           this may point to tertiary LTE's
                *-----------------------------------------------------------------
                *  Common to all Session types
                *-----------------------------------------------------------------
00002C          LTETCEA  DS    A                   Address of owning TCE
000030          LTEUABA  DS    A                   Address of user attribute area
000034          LTEACTN  DS    A                   MASTER TASK ACTION CODE
000038          LTEFACRT DS    0A                  MSTR'S FACTOTUM TASK RETURN ADDR
000038          LTESVCRT DS    A                   Session Service Return Addr
00003C          LTETBKA  DS    A                   Transaction Block Address
                *                                   For recoverable units
000040          LTEEHBA  DS    A                   First event handler block address
000044          LTEDPEA  DS    A                   LIST DPE'S BETWIXT TASKS FROM HERE.
000048          LTELWAIT DS    A                   LOCATION OF LAST WAIT FOR LTERM
00004C          LTETBXA  DS    A                   Transaction Block Ext. Address
000050          LTERSCNT DS    H                   Remote subordinate session count
000052          LTELSCNT DS    H                   Local subordinate session count
000054          LTEDQSSI DS    CL4,A               Default SQL session DSICB anchor.
00005C          LTESYNCA DS    F                   CBS synch anchor
000060          LTETARP  DS    A                   DTS Task Anchor Record pointer
000064          LTEVERS  DS    H                   Version number - currently 0
000066                   DS    H                   Reserved
000068          LTEEXPTR DS    A     A(LTESESS)    Address of LTE Extension
00006C          LTEDBUGA DS    F
                ***********************************************************************
000070          LTECSFLG DS    0F                  Multi-tasking flags use CS on word
000070                   DS    3X
                LTEMSTR  #FLAG X'02'               MSTR owns this LTE
000073          LTEMSTRI DS    0XL1
        00002   LTEMSTRM EQU   X'02'
                LTEONMQ  #FLAG X'01'               LTE IS ON MSTR'S READY QUEUE
000073          LTEONMQI DS    0XL1
        00001   LTEONMQM EQU   X'01'
000073          LTEFLG8  DS    X
                ***********************************************************************
000074          LTEMLECB DS    F                   MT lock ecb
000078                   DS    2F                  Reserved
        00080   LTEFIXLN EQU   ((*-LTE+3)/4)*4     Length of fixed LTE portion
        00080   LTESEALN EQU   LTEFIXLN            Sizeof LTESECA-type LTE.
                *
000080          LTESESS  DS    0F                  Begin of various overlays
                *-----------------------------------------------------------------
                * The following fields are common to all Primary Session types
                * these do not appear in a Secondary LTE
                *-----------------------------------------------------------------
000080          LTETNLTE DS    A                   Task's next LTE
000084          LTEPTEA  DS    A                   Address of PTE (0 if no PTE)
000088          LTEUTBA  DS    A                   ADDRESS OF USER TRACE BUFFER
00008C          LTECLBA  DS    A                   ADDRESS OF COMMAND LIST BLOCK
000090          LTECRAB  DS    A                   C RUNTIME ANCHOR BLOCK AND STACK
000094          LTECMSGQ DS    A                   C PRIVATE IN-STORAGE MESSAGE QUEUE
000098          LTEECB   DS    3F                  ECB to wait on if this LTE not avail
0000A4          LTEBMSID DS    F                   TASKID OF LAST TASK TO BLAST WRITE
                *-----------------------------------------------------------------
                *  Session security anchors
                *-----------------------------------------------------------------
0000A8          LTEXSA   DS    A                   EXTERNAL SECURITY ANCHOR
0000AC          LTESONRC DS    A                   ADDR OF SIGNON RCE FOR LTE
```

```
Offset  Value

0000B0          LTETSBA  DS    A                   ADDR OF TRANSACTION STATISTICS BLOCK
0000B4          LTERSEXP DS    F                   EPOC TIME WHEN RESOURCES EXPIRE
0000B8          LTEDTSA  DS    A                   ->DLIM of ERUS/CCI DTS connection
0000BC          LTENSONA DS    F                   Chain of LTE's owned by a SON
0000C0          LTETDEA  DS    F                   Address of TDE for task
0000C4          LTEDLBA  DS    F                   Debugger work area
0000C8          LTEHPFK  DS    X                   Online HELP PFKEY.             *MXN*
0000C9          LTESUSCT DS    FL1                 Count of suspended update sessions
0000CA          LTEVERID DS    H                   DEFAULT VERSION FOR TASKS.
0000CC          LTERSINT DS    H                   RESOURCE TIMEOUT INTERVAL
0000CE          LTETSKPR DS    H                   Priority for task's attached
0000D0          LTEABCOD DS    CL4                 ABEND CODE OF LAST TASK TO OWN LTE
0000D4          LTEWTLMS DS    PL4                 WTL MESSAGE WHICH CAUSED ABEND
0000D8          LTEUSRWA DS    CL8                 USER WORK AREA
0000E0          LTENXTSK DS    CL8                 Next task code for session.
0000E8          LTEAUTSK DS    CL8                 Auto task code for session
0000F0          LTERSPGM DS    CL8                 Resource time out program
                LTEJRNL  #FLAG X'80'               JOURNAL THIS TRANSACTION.
0000F8          LTEJRNLI DS    0XL1
        00080   LTEJRNLM EQU   X'80'
                LTENTRN  #FLAG X'40'               NEW TRANSACTION BEING STARTED.
0000F8          LTENTRNI DS    0XL1
        00040   LTENTRNM EQU   X'40'
                LTEINTL  #FLAG X'20'               TASK IS BEING INVOKED INTERNALLY
0000F8          LTEINTLI DS    0XL1
        00020   LTEINTLM EQU   X'20'
                LTENOMS  #FLAG X'08'               srvr SHOULD NOT WRITE INITIAL MSG
0000F8          LTENOMSI DS    0XL1
        00008   LTENOMSM EQU   X'08'
                LTELIOW  #FLAG X'04'               LAST I/O WAS A WRITE
0000F8          LTELIOWI DS    0XL1
        00004   LTELIOWM EQU   X'04'
0000F8          LTEFLG1  DS    X                   CONTROL FLAGS
                LTEMTRM  #FLAG X'20'               Activity OK after shutdown requested
0000F9          LTEMTRMI DS    0XL1
        00020   LTEMTRMM EQU   X'20'
                LTESGOF  #FLAG X'10'               Signoff user and free LTE at EOTask
0000F9          LTESGOFI DS    0XL1
        00010   LTESGOFM EQU   X'10'
                LTEERUS  #FLAG X'01'               LTE belongs to ERUS (IDMSSERV/TASK)
0000F9          LTEERUSI DS    0XL1
        00001   LTEERUSM EQU   X'01'
0000F9          LTEFLG2  DS    X                   FLAG
0000FA          LTEFACCD DS    X                   Service code for session.
                *                                   (equates at end of dsect)
                *-----------------------------------------------------------------------
                * User Trace Flags
                *-----------------------------------------------------------------------
                LTECBAT  #FLAG X'80'               COMMAND INITIATED BATCH LTERM
0000FB          LTECBATI DS    0XL1
        00080   LTECBATM EQU   X'80'
                LTETBAT  #FLAG X'40'               TERMINAL INITIATED BATCH LTERM
0000FB          LTETBATI DS    0XL1
        00040   LTETBATM EQU   X'40'
                LTETEST  #FLAG X'20'               ON IF IN DCUF TEST MODE
0000FB          LTETESTI DS    0XL1
        00020   LTETESTM EQU   X'20'
                LTEUTWP  #FLAG X'04'               WRAP AROUND TRACE BUFFER, DON'T SAVE
0000FB          LTEUTWPI DS    0XL1
        00004   LTEUTWPM EQU   X'04'
                LTEUTEN  #FLAG X'02'               END USER TRACE
0000FB          LTEUTENI DS    0XL1
        00002   LTEUTENM EQU   X'02'
                LTEUTON  #FLAG X'01'               USER TRACE IS ON
0000FB          LTEUTONI DS    0XL1
        00001   LTEUTONM EQU   X'01'
```

```
Offset  Value

                LTEBATC  #FLAG LTECBATM+LTETBATM   LTERM IS A BATCH DEVICE
0000FB          LTEBATCI DS    0XL1
        000C0   LTEBATCM EQU   LTECBATM+LTETBATM
0000FB          LTEUTFLG DS    X                   USER TRACE FLAG
                *-------------------------------------------------------------------
                * Transaction/Debug/ flags
                *-------------------------------------------------------------------
                LTETTRM  #FLAG X'80'               END TRAN STATS AFTER TASK.
0000FC          LTETTRMI DS    0XL1
        00080   LTETTRMM EQU   X'80'
                LTETWRT  #FLAG X'40'               WRITE TRAN STATS AFTER TASK.
0000FC          LTETWRTI DS    0XL1
        00040   LTETWRTM EQU   X'40'
                LTEGTIM  #FLAG X'20'               DON'T DO #GETIME FOR WAIT TIME.
0000FC          LTEGTIMI DS    0XL1
        00020   LTEGTIMM EQU   X'20'
                LTEDBUG  #FLAG X'10'               ON IF DEBUG SESSION FOR THIS LTE.
0000FC          LTEDBUGI DS    0XL1
        00010   LTEDBUGM EQU   X'10'
                LTECLST  #FLAG X'08'               ON IF PROCESSING COMMAND LIST.
0000FC          LTECLSTI DS    0XL1
        00008   LTECLSTM EQU   X'08'
                LTEIECB  #FLAG X'04'               LTENECB IS AN INTERNAL ECB
0000FC          LTEIECBI DS    0XL1
        00004   LTEIECBM EQU   X'04'
                LTENTPC  #FLAG X'02'               NON TERMINAL PSEUDO CONVERSE
0000FC          LTENTPCI DS    0XL1
        00002   LTENTPCM EQU   X'02'
0000FC          LTETFLG3 DS    XL1                 MORE FLAGS
0000FD          LTENXTK1 DS    XL1                 SAVE FIRST CHARACTER OF TASK CODE
000100          LTEPOLTE DS    F                   --> Primary LTE from CCI Bulk LTE
000104                   DS    3F                  -RESERVED-
000110          LTEPRIM  DS    0F                  End of primary LTE portion
        00090   LTEPRMLN EQU   ((*-LTESESS+3)/4)*4
000110                   ORG   LTEPRIM             Begin at end of Primary overlay
                *
000110          LTEINT   DS    0F                  BEGIN OF INTERACTIVE OVERLAY
                *-------------------------------------------------------------------
                *  Interactive session anchors etc. This may be a primary session
                *-------------------------------------------------------------------
000110          LTENPTEA DS    A            ADDRESS OF NEW PTE TO BE SWAPPED IN BY TIRH
000114          LTELIOA  DS    A                  ADDRESS OF LINE I/O CONTROL BLOCK
000118          LTEMBUFA DS    A                   SAVED READ BUFFER FOR BLASTED LTE
00011C          LTEOTPUS DS    A                   ADDR OF OTP USER BLOCK
000120          LTEFSWA  DS    A                   A(FAKE SCREEN WK AREA) FOR DEBUG.
000124          LTEMBUFL DS    H                   LENGTH OF SAVED READ BUFFER
000126          LTEMAPN  DS    CL8                 NAME OF MAP SUPPORTING HELP.   *MXN*
00012E          LTEPRTKY DS    X                   AID VALUE OF 3270 PRINT KEY FROM TDE
00012F          LTEPRIO  DS    X                   TERMINAL PRIORITY
                LTEMAP   #FLAG X'80'               USE MCD FOR 24 X 80  RRD-081690
000130          LTEMAPI  DS    0XL1
        00080   LTEMAPM  EQU   X'80'
                LTEBMSQ  #FLAG X'20'               AT LEAST ONE BLAST MESSAGE QUEUED
000130          LTEBMSQI DS    0XL1
        00020   LTEBMSQM EQU   X'20'
                LTEMP2   #FLAG X'10'               Map Paging Session Flag2    MAPS/258
000130          LTEMP2I  DS    0XL1
        00010   LTEMP2M  EQU   X'10'
                LTESAVE  #FLAG X'08'               SAVE SCREEN IF BLASTED
000130          LTESAVEI DS    0XL1
        00008   LTESAVEM EQU   X'08'
                LTEMPS   #FLAG X'04'               ON IF MAP PAGING SESSION.
000130          LTEMPSI  DS    0XL1
        00004   LTEMPSM  EQU   X'04'
                LTEHELP  #FLAG X'02'               MAPPING HELP SESS. AVAILABLE.  *MXN*
000130          LTEHELPI DS    0XL1
```

```
Offset  Value

        00002  LTEHELPM EQU   X'02'
               LTEWHLP  #FLAG X'01'               MAPPING HELP SESS. IN PROGRESS.*MXN*
000130         LTEWHLPI DS    0XL1
        00001  LTEWHLPM EQU   X'01'
000130         LTEFLG3  DS    X
               LTEIACT  #FLAG X'80'               TERMINAL OWNED BY INTERACT DRIVER
000131         LTEIACTI DS    0XL1
        00080  LTEIACTM EQU   X'80'
               LTEINIT  #FLAG X'40'               TURNED ON AFTER FIRST PROMPT.
000131         LTEINITI DS    0XL1
        00040  LTEINITM EQU   X'40'
               LTESMGU  #FLAG X'10'               A SENDMSG IS QUE'D FOR THIS USERID
000131         LTESMGUI DS    0XL1
        00010  LTESMGUM EQU   X'10'
               LTESMGL  #FLAG X'08'               A SENDMSG IS QUE'D FOR THIS LTERM
000131         LTESMGLI DS    0XL1
        00008  LTESMGLM EQU   X'08'
               LTEBMSL  #FLAG X'04'               BLAST MESSAGE IN PROGRESS
000131         LTEBMSLI DS    0XL1
        00004  LTEBMSLM EQU   X'04'
               LTESWPT  #FLAG X'02'               TIRH IS TO SWAP PTE'S (SEE LTENPTEA)
000131         LTESWPTI DS    0XL1
        00002  LTESWPTM EQU   X'02'
               LTEXRSP  #FLAG X'01'               USE EXCEPTION RESPONSE PROTOCOL
000131         LTEXRSPI DS    0XL1
        00001  LTEXRSPM EQU   X'01'
000131         LTEFLG4  DS    X
000134         LTEPFKA  DS    F                   PROG FUNCTION TABLE ADDR
000138                  DS    2F                  RESERVED
        00030  LTEINTLN EQU   ((*-LTEPRIM+3)/4)*4 LENGTH OF INTERACTIVE OVERLAY
000140                  ORG   LTEPRIM             Point back to begining of primary
               *                                  overlays
               *-----------------------------------------------------------------
               *  Freestanding Session
               *-----------------------------------------------------------------
000110         LTENICE  DS    A                   ICE FOR NON TERMINAL PSEUDO CONVER
000114         LTENECB  DS    A                   ECB FOR NON TERMINAL PSEUDO CONVER
000118                  DS    3F                  Reserved
        00014  LTEFSTLN EQU   ((*-LTEPRIM+3)/4)*4 Length of a freestanding overlay
000124                  ORG   LTESESS
               *-----------------------------------------------------------------
               *  Overlay for Secondary Sessions
               *-----------------------------------------------------------------
000080         LTEPSECA DS    A                   Address of prior secondary
000084         LTESVCE  DS    XL1                 Session type code:
        00080  LTESSQL  EQU   X'80'                SQL
        00040  LTESNAT  EQU   X'40'                Native DBMS
        00020  LTESUSR  EQU   X'20'                User
        00010  LTESINT  EQU   X'10'                Internal
        00008  LTESPNT  EQU   X'08'                Permanent Internal
               *
               *   The following flag byte must be in sync with DSIPROF
               *   found in #DSICB:
               *
               LTESSUB  #FLAG X'10'               Subordinate session
000085         LTESSUBI DS    0XL1
        00010  LTESSUBM EQU   X'10'
               LTESLCL  #FLAG X'01'               Client is executing locally
000085         LTESLCLI DS    0XL1
        00001  LTESLCLM EQU   X'01'
               LTESHET  #FLAG X'02'               Client on heterogeneous hdwe
000085         LTESHETI DS    0XL1
        00002  LTESHETM EQU   X'02'
               LTESCON  #FLAG X'04'               Client issued manual connect
000085         LTESCONI DS    0XL1
        00004  LTESCONM EQU   X'04'
```

```
Offset  Value

000085          LTESESF2 DS    XL1                 DSIPROF flags
                *
                LTESFSS  #FLAG X'80'               Force subordinate ndml session
000086          LTESFSSI DS    0XL1
        00080   LTESFSSM EQU   X'80'
                LTESCUR  #FLAG X'40'               Currencies have been saved
000086          LTESCURI DS    0XL1
        00040   LTESCURM EQU   X'40'
                LTEUSED  #FLAG X'20'               Preacquired sLTE now being used
000086          LTEUSEDI DS    0XL1
        00020   LTEUSEDM EQU   X'20'
                LTESCRM  #FLAG X'10'               Scratch acquired by session
000086          LTESCRMI DS    0XL1
        00010   LTESCRMM EQU   X'10'
                LTESQUE  #FLAG X'01'               Queue requests for session      QQ2
000086          LTESQUEI DS    0XL1
        00001   LTESQUEM EQU   X'01'
000086          LTESESF3 DS    XL1                 Yet more flags.
                *
000087                   DS    XL1                 -reserved-
000088          LTEOLTE  DS    A                   Address of owning LTE
00008C          LTEDSICB DS   0A                   -->DSICB if LTESSQL or
00008C          LTESSCA  DS    A                   -->SSC   if LTESNAT
000090          LTERCEA  DS    A                   -->RCE   of nDML, SQL session.
000094          LTECPR60 DS    A                   CATLOG area PR60 for VIEW stamps
000098          LTEEVENT DS    A                   Event code during TMGR processing
00009C          LTESSNAM DS   0CL8                 SSname if LTESNAT
00009C          LTEWARN  DS   0CL8                 DB2Transparency SQLWARN flags:
00009C          LTEWARN0 DS    C                      Blank if all others blank
00009D          LTEWARN1 DS    C                      W - hv string truncated
00009E          LTEWARN2 DS    C                      W - nulls elim from func arg
00009F          LTEWARN3 DS    C                      W - #cols > # host vars
0000A0          LTEWARN4 DS    C                      W - PREPd UPD/DEL, no WHERE
0000A1          LTEWARN5 DS    C                      W - SQL/DS stmt, not executed
0000A2          LTEWARN6 DS    C                      W - invalid date repaired
0000A3          LTEWARN7 DS    C                      -reserved-
                *-----------------------------------------------------------------
                *  SQL session variables:
                *-----------------------------------------------------------------
0000A4          LTEQMBA  DS    A                   -->SQL message buffer of session
                         #PRT  GEN
                         PRINT ON
                         PRINT GEN
                         PRINT NODATA
                LTE      #SQLOPTS ,                Generate session options
0000A8          LTEQOPTS DS   0FL4
0000A8          LTEQDBTY DS    FL1                 database type code:
        00000   LTEQIDMS EQU   0                      0 - IDMS
        00001   LTEQSQLI EQU   1                      1 - SQLI
                *        #FLAG 1                      transient
0000A9          LTEQTRAI DS    0XL1
        00001   LTEQTRAM EQU   1
                *        #FLAG 2                      current
0000A9          LTEQCURI DS    0XL1
        00002   LTEQCURM EQU   2
                *        #FLAG 4                      consistent
0000A9          LTEQCONI DS    0XL1
        00004   LTEQCONM EQU   4
                *        #FLAG 8                      repeatable
0000A9          LTEQREPI DS    0XL1
        00008   LTEQREPM EQU   8
                *        #FLAG 15                     all of the above
0000A9          LTEQISOI DS    0XL1
        0000F   LTEQISOM EQU   15
0000A9          LTEQISO  DS    FL1                 Isolation mode
                *        #FLAG X'00'                  NULL syntax std
```

```
Offset  Value

0000AA          LTEQNULI DS    0XL1
        00000   LTEQNULM EQU   X'00'
                *        #FLAG X'01'                 enforce
0000AA          LTEQENFI DS    0XL1
        00001   LTEQENFM EQU   X'01'
                *        #FLAG X'02'                 warn
0000AA          LTEQWRNI DS    0XL1
        00002   LTEQWRNM EQU   X'02'
                *        #FLAG X'10'                 SQL89/FIPS syntax std
0000AA          LTEQS89I DS    0XL1
        00010   LTEQS89M EQU   X'10'
                *        #FLAG X'13'                 all of the above
0000AA          LTEQSYNI DS    0XL1
        00013   LTEQSYNM EQU   X'13'
0000AA          LTEQSYN  DS    FL1                 Syntax level
                *        #FLAG 1                     read only
0000AB          LTEQTROI DS    0XL1
        00001   LTEQTROM EQU   1
                *        #FLAG 2                     read write
0000AB          LTEQTRWI DS    0XL1
        00002   LTEQTRWM EQU   2
                *        #FLAG 3                     all of the above
0000AB          LTEQTXSI DS    0XL1
        00003   LTEQTXSM EQU   3
0000AB          LTEQTXS  DS    FL1                 Transaction state
                *
0000AC          LTEQAMNM DS    CL8                 Current Access Module name
0000B4          LTEQDBNM DS    CL8                 Current DBname
0000BC          LTEQSCHN DS    CL18                Current Schema name
                *
0000CE          LTEQDTOP DS    XL1                 Datetime format option:
                *                                     1st nibble is Date format:
        00000   LTEQDANS EQU   B'00000000'               ANSI
        00010   LTEQDISO EQU   B'00010000'               ISO
        00020   LTEQDUSA EQU   B'00100000'               IBM USA
        00030   LTEQDEUR EQU   B'00110000'               IBM Europe
        00040   LTEQDJIS EQU   B'01000000'               JIS
                *                                     2nd nibble is Time format:
        00000   LTEQTANS EQU   B'00000000'               ANSI
        00001   LTEQTISO EQU   B'00000001'               ISO
        00002   LTEQTUSA EQU   B'00000010'               IBM USA
        00003   LTEQTEUR EQU   B'00000011'               IBM Europe
        00004   LTEQTJIS EQU   B'00000100'               JIS
                *
                *        #FLAG X'01'                 DB2 Source Transparency
0000CF          LTEQD2SI DS    0XL1
        00001   LTEQD2SM EQU   X'01'
                *        #FLAG X'02'                 DB2 Object Transparency
0000CF          LTEQD2OI DS    0XL1
        00002   LTEQD2OM EQU   X'02'
                *        #FLAG X'03'                 Client in DB2Transparency mode
0000CF          LTEQD2TI DS    0XL1
        00003   LTEQD2TM EQU   X'03'
                *        #FLAG X'04'                 Set session..TR options issued
0000CF          LTEQSSXI DS    0XL1
        00004   LTEQSSXM EQU   X'04'
0000CF          LTEQFLAG DS    XL1                 General purpose flags
                *
        00028   LTEQOPTL EQU   *-LTEQOPTS          sizeof options block
                *
                         #PRT  NOGEN
                         PRINT ON
                         PRINT GEN
                         PRINT NODATA
                *-----------------------------------------------------------------------
                *  SQL command trace area for debugging
```

```
Offset  Value

                *-----------------------------------------------------------------
0000D0          LTEQTRAC DS    0XL32               Last 8 commands and status codes,
                *                                  oldest to newest:
0000D0          LTEQTCOM DS    7H
0000DE          LTEQTCOL DS    H                   Last command
0000E0          LTEQTSTA DS    7H
0000EE          LTEQTSTL DS    H                   Last SQLCODE or SQLERC
                *
0000F0          LTESQSSC DS    F                   Address of Queue SSC for TXN     QQ2
0000F4          LTESRPEA DS    F                   RPE chain for TXN's reports      QQ2
0000F8                   DS    3F                  Reserved
000104          LTEQEND  DS    0X                  End of sql variables
                *-----------------------------------------------------------------
                *  NDL session variables
                *-----------------------------------------------------------------
000104                   ORG   LTEQTRAC
0000D0          LTECURID DS    CL16                Currency ID for suspend
0000E0                   ORG   LTEQEND
        00084   LTESECLN EQU   ((*-LTESESS+3)/4)*4 Length of a secondary overlay
000104                   ORG   LTEXSA              POINT TO SECURITY SECTION      *DKK*
0000A8          LTEPRT   DS    0F                  BEGIN OF PRINT OVERLAY
                *-----------------------------------------------------------------
                *  Print Session anchors etc. (print LTE's cannot be primary)
                *-----------------------------------------------------------------
0000A8          LTEPRPTE DS    A                   Address of Printer PTE
0000AC          LTEANCHR DS    A                   RPE CHAIN ANCHOR OF CURRENT REPORT
0000B0          LTEADJA  DS    A                   FIRST ALL-DEST JUNCTION ELEMENT
0000B4          LTEDDEA  DS    A                   A(DDE) FOR CURRENT PRINT DEST
0000B8          LTELDEA  DS    A                   LDE ANCHOR FOR PRINTERS ONLY
0000BC          LTERPEA  DS    A                   RPE ADDRESS FOR PRINTERS ONLY
0000C0          LTEQBUFA DS    A                   ADDR OF REPORT QUEUE BUFFER
0000C4          LTEQNLA  DS    A                   ADDR OF NEXT LINE IN QUEUE BUFFER
0000C8          LTENREPS DS    H                   NUMBER OF REPORTS PRINTED
0000CA          LTEQBUFL DS    H                   LENGTH OF REPORT QUEUE BUFFER
0000CC          LTEBLIQB DS    H                   BYTES LEFT IN QUEUE BUFFER
0000CE          LTEPRPGS DS    H                   PAGE COUNT FOR REPORT CHECKPOINT
0000D0          LTEPGCKP DS    H                   FREQUENCY OF REPORT CHECKPOINTS
0000D2          LTEPRLEN DS    H                   LENGTH OF NEXT PRINT LINE
0000D4          LTECPCLS DS    0XL2                CURRENT PRINT CLASS, OR
0000D4          LTEDESTN DS    CL8                 CURRENT PRINT DESTINATION
0000DC          LTERPTNM DS    CL8                 NAME OF REPORT BEING PRINTED
0000E4          LTEPRCLS DS    BL16                PRINT CLASSES THIS LTERM WILL PRINT
0000F4          LTEPROPT DS    X                   OPTION FLAGS FOR NEXT PRINT LINE
                LTEDEST  #FLAG X'80'               REPORT DESTINATION, NOT CLASS
0000F5          LTEDESTI DS    0XL1
        00080   LTEDESTM EQU   X'80'
                LTENOMR  #FLAG X'40'               NO MORE RECORDS IN REPORT QUEUE
0000F5          LTENOMRI DS    0XL1
        00040   LTENOMRM EQU   X'40'
                LTEFRQR  #FLAG X'20'               FIRST REPORT Q RECORD HAS BEEN READ
0000F5          LTEFRQRI DS    0XL1
        00020   LTEFRQRM EQU   X'20'
                LTEPTWP  #FLAG X'10'               PRINT TASK WANTS TO USE PRINTER
0000F5          LTEPTWPI DS    0XL1
        00010   LTEPTWPM EQU   X'10'
                LTERDNX  #FLAG X'08'               READ NEXT QUEUE RECORD FOR OPT & LEN
0000F5          LTERDNXI DS    0XL1
        00008   LTERDNXM EQU   X'08'
                LTEINTP  #FLAG X'04'               INTERRUPT PRINTER
0000F5          LTEINTPI DS    0XL1
        00004   LTEINTPM EQU   X'04'
                LTECANP  #FLAG X'02'               CANCEL PRINTER
0000F5          LTECANPI DS    0XL1
        00002   LTECANPM EQU   X'02'
                LTEDRNP  #FLAG X'01'               DRAIN PRINTER
0000F5          LTEDRNPI DS    0XL1
```

```
Offset  Value

        00001  LTEDRNPM EQU   X'01'
0000F5         LTEFLG5  DS    X
               *-----------------------------------------------------------------
               *   Print session form feed control
               *-----------------------------------------------------------------
               LTESUNP  #FLAG X'80'               Suppress user newpage native
0000F6         LTESUNPI DS    0XL1
        00080  LTESUNPM EQU   X'80'
               LTESUNN  #FLAG X'40'               Suppress user newpage non-native
0000F6         LTESUNNI DS    0XL1
        00040  LTESUNNM EQU   X'40'
               LTESCSN  #FLAG X'20'               Suppress SCS CR/LF at rept begin
0000F6         LTESCSNI DS    0XL1
        00020  LTESCSNM EQU   X'20'
               LTEFFNL  #FLAG X'10'               Suppress newpage newline sequence
0000F6         LTEFFNLI DS    0XL1
        00010  LTEFFNLM EQU   X'10'
               LTEFFAN  #FLAG X'08'               Auto newpage at end of native rpt
0000F6         LTEFFANI DS    0XL1
        00008  LTEFFANM EQU   X'08'
               LTEFFA   #FLAG X'04'               Auto newpage at end of nonNat rpt
0000F6         LTEFFAI  DS    0XL1
        00004  LTEFFAM  EQU   X'04'
               LTEFFBN  #FLAG X'02'               Suppress newpage at beg native rpt
0000F6         LTEFFBNI DS    0XL1
        00002  LTEFFBNM EQU   X'02'
               LTEFFB   #FLAG X'01'               Suppress newpage at beg nonnat rpt
0000F6         LTEFFBI  DS    0XL1
        00001  LTEFFBM  EQU   X'01'
0000F6         LTEFLG5B DS    X                   PRINTER FORMFEED OPTIONS
               LTENBAN  #FLAG X'80'               Do not print banner page at start
0000F7         LTENBANI DS    0XL1
        00080  LTENBANM EQU   X'80'
0000F7         LTEFLG5A DS    X
0000F8                  DS    5F                  Reserved
        00064  LTEPRTLN EQU   ((*-LTEXSA+3)/4)*4 LENGTH OF PRINTER OVERLAY      *DKK*
00010C                  ORG   LTESESS
000080         LTESWT   DS    0F
               *-----------------------------------------------------------------
               *  Switch Session overlay (Switch LTE's cannot be primary)
               *-----------------------------------------------------------------
000080         LTESWPTE DS    A                   Address of switch PTE
000084         LTESWLDE DS    A                   Address of switch LDE
000088         LTESWBA  DS    A                   SWITCH REQUEST BLOCK ADDRESS
00008C                  DS    H                   RESERVED FOR SWITCH
               LTECURQ  #FLAG X'08'               SWITCH DRIVER CURRENTLY WAITING Q
00008E         LTECURQI DS    0XL1
        00008  LTECURQM EQU   X'08'
               LTECURH  #FLAG X'04'               SWITCH DRIVER CURRENTLY HALTING IO
00008E         LTECURHI DS    0XL1
        00004  LTECURHM EQU   X'04'
               LTECURR  #FLAG X'02'               SWITCH DRIVER CURRENTLY READING
00008E         LTECURRI DS    0XL1
        00002  LTECURRM EQU   X'02'
               LTECURW  #FLAG X'01'               SWITCH DRIVER CURRENTLY WRITING
00008E         LTECURWI DS    0XL1
        00001  LTECURWM EQU   X'01'
               LTECURA  #FLAG LTECURWM+LTECURRM+LTECURHM+LTECURQM CURRENTLY ACTIVE
00008E         LTECURAI DS    0XL1
        0000F  LTECURAM EQU   LTECURWM+LTECURRM+LTECURHM+LTECURQM
00008E         LTEFLG6  DS    X                   SWITCH  CONTROL FLAGS
               LTESWIT  #FLAG X'20'               LTERM IS FOR SWITCH NETWORK
00008F         LTESWITI DS    0XL1
        00020  LTESWITM EQU   X'20'
               LTESWWT  #FLAG X'10'               SWITCH PROTOCOL IS WRITE
00008F         LTESWWTI DS    0XL1
```

```
Offset  Value

        00010  LTESWWTM EQU   X'10'
               LTESWRD  #FLAG X'08'               SWITCH PROTOCOL IS READ
00008F         LTESWRDI DS    0XL1
        00008  LTESWRDM EQU   X'08'
               LTESWWR  #FLAG X'18'               SWITCH PROTOCOL IS WRITE/READ
00008F         LTESWWRI DS    0XL1
        00018  LTESWWRM EQU   X'18'
               LTESWQ   #FLAG X'04'               SWITCH DRIVER SWQ QUEUE
00008F         LTESWQI  DS    0XL1
        00004  LTESWQM  EQU   X'04'
00008F         LTEFLG7  DS    X                   FLAG BYTE
000090                  DS    5F                  Reserved
        00024  LTESWTLN EQU   ((*-LTESESS+3)/4)*4 LENGTH OF SWITCH OVERLAY
0000A4                  ORG   LTEPRIM
000110         LTEBAT   DS    0F
               *-------------------------------------------------------------------
               *    Batch session overlay (batch LTE's may be primary)
               *-------------------------------------------------------------------
000110         LTEBPARM DS    A                   A(PARMS) PASSED TO BATCH LTERM TASK
000114                  DS    3F                  Reserved
        00010  LTEBATLN EQU   ((*-LTEPRIM+3)/4)*4 LENGTH OF BATCH OVERLAY
        00140  LTEDSLEN EQU   LTEFIXLN+LTEPRMLN+LTEINTLN    LTE (FIXED+LONGEST OVLY)
               *-------------------------------------------------------------------
               *  Various Equates moved here for readability sake
               *-------------------------------------------------------------------
               *-------------------------------------------------------------------
               * Master request codes for LTEFACCD in fixed LTE portion
               *-------------------------------------------------------------------
        00004  LTEFAC1  EQU 4  WRITE ABEND CODE OF PREVIOUS TASK
        00008  LTEFAC2  EQU 8  WRITE ENTER-TASK-CODE MESSAGE
        0000C  LTEFAC3  EQU 12 WRITE UNDEFINED-TASK-CODE MESSAGE
        00010  LTEFAC4  EQU 16 WRITE TASK-SECURITY-VIOLATION MAP
        00014  LTEFAC5  EQU 20 WRITE TDE-SPECIFIED MAP
        00018  LTEFAC6  EQU 24 INTERNAL-TASK-BEING-INVOKED-FROM-TERMINAL MESSAGE
        0001C  LTEFAC7  EQU 28 SYSTEM-BEING-QUIESCED MESSAGE
        00020  LTEFAC8  EQU 32 SIGNOFF USER AND/OR TERMINATE LINE I/O SESSION
        00024  LTEFAC9  EQU 36 PREPARE TERMINAL FOR A #TREQ READ
        00028  LTEFAC10 EQU 40 WAIT FOR TERMINAL OPERATOR TO FINISH VIEWING LINEOUTS
        0002C  LTEFAC11 EQU 44 TASK-OUT-OF-SERVICE MESSAGE
        00030  LTEFAC12 EQU 48 PROGRAM-OUT-OF-SERVICE MESSAGE
        00034  LTEFAC13 EQU 52 INVOKE RESOURCE TIMEOUT PROGRAM
        00038  LTEFAC14 EQU 56 PRINT SCREEN CONTENTS
        0003C  LTEFAC15 EQU 60 WRITE QUEUED BLAST MESSAGE/REFRESH SCREEN AFTER BLAST
        00040  LTEFAC16 EQU 64 GET NEXT COMMAND LINE FROM DICTIONARY (CLIST)
        00044  LTEFAC17 EQU 68 MAP PAGING SESSION
        00048  LTEFAC18 EQU 72 MAXIMUM CONCURRENT TASK CONDITION
        0004C  LTEFAC19 EQU 76 MODEENT GROUP REQUIRES INITIZATION                *LU62
        00050  LTEFAC20 EQU 80 HANDLE LU6.2 FUNCTION MANAGEMENT HEADER TYPE 5    *LU62
        00054  LTEFAC21 EQU 84 QUERY 3279 TERMINAL FOR EXTENDED ATTRIBUTES
        00058  LTEFAC22 EQU 88 ENABLE/CONTINUE MAP ONLINE HELP PROCESSING.       *MXN*
                        #PRT  GEN
                        PRINT ON
                        PRINT GEN
                        PRINT NODATA
```

1.81 #LTTDS

```
                         COPY #LTTDS
                ************************************************************************
                ***                                                                  ***
                *** LTT:   LOGICAL TERMINAL TABLE DSECT                              ***
                ***                                                                  ***
                ************************************************************************

Offset  Value

000000          LTT      DSECT                                                 02/12/99
000000          LTTN     DS    H                   NUMBER OF LOGICAL TERMINAL ENTRIES
000002          LTTELEN  DS    H                   LENGTH OF AN LTE
000004          LTTKEYOF DS    H                   OFFSET OF ID IN ENTRY
000006          LTTKEYL  DS    X                   LENGTH OF ID
000007          LTTFLAG  DS    X                   FLAG BYTE (SEE TBH DSECT FOR DEFS)
000008          LTTSTART DS    A                   ADDRESS OF FIRST LTE
00000C          LTTTBLEN DS    A                   LENGTH OF ENTIRE LTT TABLE
000010          LTTREADY DS    A                   ANCHOR OF READY QUEUE OF MSTR LTES
                * WARNING * ALL USE OF LTTREADY IS VIA COMPARE AND SWAP.
000014          LTTLOCK  DS    A                   Lock word for LTT index (#TBLSRCH)
000018          LTTMSECB DS    3A                  MSTR'S CENTRAL TERMINAL ECB
000024          LTTECB   DS    3A                  ECB TO WAIT ON FOR ANY LTE
000030          LTTIDTAB DS    A                   Address of dynamic ID bit map
000034          LTTIDECB DS    3A                  ECB if no dynamic ID's avail
000040          LTTIDLEN DS    H                   Length of dynamic ID bit map
                LTTICEP  #FLAG X'01'            AT LEAST ONE START-TASK ICE CAN BE RUN
000042          LTTICEPI DS    0XL1
        00001   LTTICEPM EQU   X'01'
000042                   DS    X                   FLAG BYTE FOR RHDCMSTR
000043                   DS    X                   RESERVED
000044          LTTPRTN  DS    H                   Number of printer LTE's     JDM 5/92
000048          LTTWAITL DS    A                   ANCHOR OF LTE'S WAITING NTPC ECB
        0004C   LTTDSLEN EQU   ((*-LTT+3)/4)*4     LENGTH OF LOGICAL TERMINAL TABLE
```

1.82 #MCHDS

```
                        COPY #MCHDS

Offset  Value

000000          MCH      DSECT                           04/12/90 16:22:49   01/25/91
                         PRINT NOGEN
                ***********************************************************************
                * MAP CONTROL HEADER DSECT
                ***********************************************************************
000000          MCHNAME  DS    CL8                 MAP NAME
000008          MCHVERID DS    0CL16               MAP COMPILE DATE AND TIME
000008          MCHDATE  DS    CL8                 MAP COMPILE DATE
000010          MCHTIME  DS    CL6                 MAP COMPILE TIME
000016          MCHID    DS    CL2                 MAP ID (RELEASE)
000018          MCHMCDOF DS    0F                  OFFSETS TO DEVICE MAPS,EXTENSIONS
000018                   DS    F                   OFFSET TO MCD FOR 12 X 40 OR
                *                                  OFFSET TO FILE MCD FILE=Y
00001C                   DS    F                   OFFSET TO MCD FOR 12 X 80
000020                   DS    F                   OFFSET TO MCD FOR 24 X 80
000024                   DS    F                   OFFSET TO MCD FOR 32 X 80
000028                   DS    F                   OFFSET TO MCD FOR 43 X 80
00002C                   DS    F                   RESERVED
000030                   DS    F                   OFFSET TO MCD FOR 27 X 132
000034          MCHMCXOF DS    F                   OFFSET TO LIST OF EXTENSIONS
000038          MCHTBLOF DS    F                   OFFSET TO TABLE AREA IN MODULE
00003C          MCHLEN   DS    F                   LENGTH OF MAP MODULE
000040          MCHNFLDS DS    H                   # OF FLDS IN MAP
000042          MCHMSGL  DS    H                   LENGTH OF MESSAGE FIELD
                MCHRSP   #FLAG X'01'               RESPONSE FIELD PRESENT
                MCHMSG   #FLAG X'02'               MESSAGE FIELD PRESENT   -ONLINE
                MCHERR   #FLAG X'04'               MAP IS IN ERROR
                MCHDCT   #FLAG X'08'               MAP IS LOADED FROM DICT  -ONLINE
                MCHEALM  #FLAG X'10'               SOUND ALARM ON ERROR     -ONLINE
                MCHNEDT  #FLAG X'20'               NOEDIT FOR ENTIRE MAP
                MCHFILE  #FLAG X'40'               BATCH MAP TYPE
                MCHPAGE  #FLAG X'80'               MAP IS A PAGED MAP
000044          MCHFLAG  DS    X                   MAP CONTROL HEADER FLAG BYTE
                * ONLINE ONLY
000045          MCHERAN1 DS    X                   ATTR 1 ON IF ERROR FIELD
000046          MCHERAN2 DS    X                   ATTR 2 ON IF ERROR FIELD
000047          MCHERAN3 DS    X                   ATTR 3 ON IF ERROR FIELD
000048          MCHERAF1 DS    X                   ATTR 1 OFF IF ERROR FIELD
000049          MCHERAF2 DS    X                   ATTR 2 OFF IF ERROR FIELD
00004A          MCHERAF3 DS    X                   ATTR 3 OFF IF ERROR FIELD
00004B          MCHCOAN1 DS    X                   ATTR 1 ON IF CORRECT FIELD
00004C          MCHCOAN2 DS    X                   ATTR 2 ON IF CORRECT FIELD
00004D          MCHCOAN3 DS    X                   ATTR 3 ON IF CORRECT FIELD
00004E          MCHCOAF1 DS    X                   ATTR 1 OFF IF CORRECT FIELD
00004F          MCHCOAF2 DS    X                   ATTR 2 OFF IF CORRECT FIELD
000050          MCHCOAF3 DS    X                   ATTR 3 OFF IF CORRECT FIELD
                MCH$PG   #FLAG X'80'               $PAGE FIELD PRESENT
                MCHROLN  #FLAG X'40'               ROLE NAME TABLE IS PRESENT
                MCHDBCS  #FLAG X'20'               MAP USES DOUBLE BYTE CHAR SET  BZJ
                MCHDPCA  #FLAG X'10'               DECIMAL POINT IS COMMA
                MCHHELP  #FLAG X'08'               HELP OPTION                    *MXN*
                MCHMVTX  #FLAG X'04'               VIDEOTEX MAP
000051          MCHFLAG2 DS    X                   RESERVED
000052                   DS    XL2                 RESERVED
                * BATCH ONLY
000054                   ORG   MCHERAN1
000045          MCHRCFM  DS    X                   EXTERNAL FILE RECORD FORMAT (C'F')
000046          MCHLBL   DS    H                   EXTERNAL FILE LABEL CODE
```

```
000048         MCHLRCL  DS    F                   EXTERNAL FILE RECORD LENGTH
00004C         MCHBLKSZ DS    F                   EXTERNAL FILE BLOCK SIZE
000050         MCHBMCDO DS    H                   OFFSET TO MCD  -- NOT USED
               MCHVSAM  #FLAG X'80'               EXTERNAL FILE IS VSAM
               MCHPRNT  #FLAG X'40'               EXTERNAL FILE IS PRINT
               MCHCARD  #FLAG X'20'               EXTERNAL FILE IS CARD
               MCHPS    #FLAG X'10'               EXTERNAL FILE IS PS
               MCHTAPE  #FLAG X'08'               EXTERNAL DEVICE IS TAPE
000052                  DS    X                   BATCH MAPPING FLAG BYTE
000053                  DS    X                   RESERVED
               * BOTH ONLINE AND BATCH RESUME HERE
        00054  MCHBSLN  EQU   *-MCH               FIXED LENGTH FOR HEADER
000054         MCHRNAMS DS    0CL32               START OF DATA RECORD NAMES
000000         MCE      DSECT
               ************************************************************************
               * MAP CONTROL ELEMENT DSECT
               ************************************************************************
000000         MCELEN   DS    H                   LENGTH OF ELEMENT
               MCEIDY   #FLAG X'01'               INDATA = YES
               MCERJI   #FLAG X'08'               RIGHT-JUSTIFY INPUT DATA
               MCEODA   #FLAG X'10'               OUT DATA = ATTR
               MCEPAD   #FLAG X'20'               PAD SHORT INPUT FIELDS
               MCEUPCS  #FLAG X'40'               UPPER CASE INPUT DATA
               MCEEDI   #FLAG X'80'               THERE IS AN EDIT ROUTINE FOR INPUT
               MCEEAIB  #FLAG X'02'               - RHDCAEDT BEFORE USER EDIT
               MCEEAIA  #FLAG X'04'               - RHDCAEDT AFTER  USER EDIT
000002                  DS    X                     INPUT FLAGS
               MCEODY   #FLAG X'01'               OUTDATA = YES
               MCEODE   #FLAG X'04'               OUTDATA = ERASE
               MCEBSY   #FLAG X'10'               BACKSCAN BLANKS ON OUTPUT
               MCEDNSK  #FLAG X'20'               DELIMIT END OF FIELD W/ NO SKIP ATTR
               MCEDLMT  #FLAG X'40'               DELIMIT END OF FIELD W/ SKIP ATTR
               MCEEDO   #FLAG X'80'               THERE IS AN EDIT ROUTINE FOR OUTPUT
               MCEEAOB  #FLAG X'02'               - RHDCAEDT BEFORE USER EDIT
               MCEEAOA  #FLAG X'08'               - RHDCAEDT AFTER  USER EDIT
000003                  DS    X                     OUTPUT FLAGS
               * ONLINE ONLY
000004         MCEROW   DS    X                   ROW (OR LINE) NUMBER
000005         MCECOL   DS    X                   COLUMN NUMBER
000006         MCEATTR  DS    X                   DEFAULT ATTR (0 -> NO ATTR)
000007         MCEATTR2 DS    X                   DEFAULT ATTR BYTE 2
000008         MCEATTR3 DS    X                   DEFAULT ATTR BYTE 3
               * BATCH ONLY
000009                  ORG   MCEROW
000004         MCEFO    DS    H                   OFFSET INTO EXTERNAL FILE RECORD
000006         MCEETYP  DS    X                   EXTERNAL DATA TYPE
000007         MCEFRSEQ DS    X                   SEQ NBR IF $R FIELD
               MCEVLA   #FLAG X'80'               PART OF VARIABLE LENGTH ARRAY DKJ
               MCEGPVA  #FLAG X'40'               GROUP LEVEL SELECTION FOR VLA DKJ
000008                  DS    X                   FLAGS                         DKJ
               * BOTH ONLINE AND BATCH RESUME HERE
               MCELITL  #FLAG X'80'               TYPE IS LITERAL  -ONLINE
               MCEMESS  #FLAG X'40'               TYPE IS MESSAGE  -ONLINE
               MCERESP  #FLAG X'20'               TYPE IS RESPONSE
               MCEPAGE  #FLAG X'10'               TYPE IS PAGE     -ONLINE
               MCEDFLD  #FLAG X'08'               TYPE IS DFLD
               MCELGRP  #FLAG X'04'               LAST DETAIL IN HDR/FTR/DTL GRP
               MCEIVIS  #FLAG X'02'               INVISIBLE FLAG FOR MTF         PRK
               MCEDBCS  #FLAG X'01'               DOUBLE BYTE CHARACTER SET SUPP BZJ
000009         MCETYP   DS    X                   FIELD TYPE
               MCEOLL   #FLAG X'08'               LEFT   OUTLINING               BZJ
               MCEOLU   #FLAG X'04'               UPPER  OUTLINING               BZJ
               MCEOLR   #FLAG X'02'               RIGHT  OUTLINING               BZJ
               MCEOLD   #FLAG X'01'               UNDER  OUTLINING               BZJ
               MCEVDS   #FLAG X'10'               DOUBLE SIZE            VTX     DLL
               MCEVDH   #FLAG X'20'               DOUBLE HEIGHT          VTX     DLL
```

```
                MCEVDW   #FLAG X'40'               DOUBLE WIDTH           VTX     DLL
                MCEVCG   #FLAG X'80'               GRAPHICAL CHAR SET     VTX     DLL
00000A          MCEATTR4 DS    X                   OUTLINING ATTRIBUTE            BZJ
00000B          MCERECN  DS    X                   DATA RECORD # (0 → LITERAL
00000C          MCEDLEN  DS    H                   INT LEN IN BYTES OF DFLD/MESS/RESP
00000E          MCEFLDN  DS    H                   DATA FIELD NUMBER(0 FOR LITERALS)
        00010   MCEBSLN  EQU   *-MCE               BASE MCE LN FOR NON-DFLDS
000010          MCELIT   DS    0C                  START OF LITERAL STRING    -ONLINE
000010          MCEOFST  DS    H                   OFFSET OF DATA FIELD IN DATA RECORD
000012          MCEPADC  DS    X                   PAD CHARACTER
000013          MCEITYP  DS    X                   INTERNAL DATA TYPE
000014          MCEIDEC  DS    X                   INTERNAL DECIMAL POSITION
                ** OR INTERNAL DECIMAL POSITIONS FOR FILE MAP                  ECM85249
                MCEREQF  #FLAG X'80'               REQUIRED FLD ON/OPTIONAL FLD OFF
                MCEEDT   #FLAG X'40'               FIELD IS A DATE
                MCEEDTF  #FLAG X'20'               EDIT TABLE SPECIFIED
                MCECODF  #FLAG X'10'               CODE TABLE SPECIFIED
                MCEMSGF  #FLAG X'08'               ERROR MESSAGE PROVIDED -ONLINE
                MCENUM   #FLAG X'04'               EXT PIC SAYS FLD NUMERIC
                MCEALPH  #FLAG X'02'               EXT PIC SAYS FLD ALPHABET
                MCEANUM  #FLAG X'01'               EXT PIC SAYS FLD ALPHANUM
000015          MCEFLG1  DS    X                   GENERAL FLAG BYTE
000016          MCEEDRN1 DS    CL8                 INPUT USER EDIT RTN---NAME IF DICT
00001E          MCEEDRN2 DS    CL8                 OUTPUT USER EDIT RTN---NAME IF DIC
000026          MCEEXLNS DS    H                   SCREEN LENGTH FOR MAP FIELD
                *                                  OR LENGTH ON FILE FOR BATCH
000028          MCEEXLND DS    H                   LENGTH OF UNEDITED EXT DATA
00002A          MCEEDEC  DS    X                   EXTERNAL DECIMAL POSITION
                ** OR EXTERNAL DECIMAL POSITIONS FOR FILE MAP                  ECM85249
00002B          MCEESDC  DS    X                   # POSNS AFTER DEC ON SCREEN
00002C          MCEEXPO  DS    H                   OFFSET TO PIC TEXT IN MCETPOOL
                MCENEDT  #FLAG X'80'               USER DOES NOT WISH EDITING
                MCENZRO  #FLAG X'40'               DON'T ZERO FIELD IF NULL
                MCEBLZ   #FLAG X'20'               BLANK WHEN ZERO
                MCEKANJ  #FLAG X'10'               KANJI FIELD
                MCERNUM  #FLAG X'08'               REVERSE NUMERIC
                MCETTBU  #FLAG X'02'               TRANSLATE TRAILING BLNKS TO UNDRSCRS
00002E          MCEFLG2  DS    XL1                 FLAG BYTE
00002F                   DS    XL1                 RESERVED
000030          MCEEXPL  DS    H                   LENGTH OF PICTURE CLAUSE
                MCEEDIG  #FLAG X'80'               INTERNAL GREG
                MCEEDEG  #FLAG X'40'               EXTERNAL GREG
                MCEEDIJ  #FLAG X'20'               INTERNAL JULIAN
                MCEEDEJ  #FLAG X'10'               EXTERNAL JULIAN
000032          MCEEDFL  DS    X                   DATE FLAG
                MCEETLK  #FLAG X'80'               EDIT TABLE LINKED
                MCEETNK  #FLAG X'40'               EDIT TABLE NOT LINKED
                MCEETVL  #FLAG X'20'               EDIT TABLE HAS ALL VALID ENTRIES
                MCEETIN  #FLAG X'10'               EDIT TABLE HAS ALL INVALID ENTRIES
                MCEETTC  #FLAG X'08'               TIGHTLY COUPLED
000033          MCEETFLG DS    X                   EDIT TABLE FLAG
000034          MCEETBLN DS    CL8                 EDIT TABLE NAME IF UNLINKED
00003C          MCEETBLV DS    H                   EDIT TABLE VERS IF UNLINKED
00003E                   ORG   MCEETBLN
000034          MCEETBLO DS    F                   OFFSET TO LINKED EDIT TABLE
000038                   DS    XL6                 UNUSED
                MCECTLK  #FLAG X'80'               CODE TABLE LINKED
                MCECTNK  #FLAG X'40'               CODE TABLE NOT LINKED
                MCECTTC  #FLAG X'08'               TIGHTLY COUPLED
00003E          MCECTFLG DS    X                   CODE TABLE FLAG
00003F                   DS    X                   RESERVED
000040          MCECTBLN DS    CL8                 CODE TABLE NAME IF UNLINKED
000048          MCECTBLV DS    H                   CODE TABLE VERS IF UNLINKED
00004A                   ORG   MCECTBLN
000040          MCECTBLO DS    F                   OFFSET TO LINKED CODE TABLE
```

```
000044                  DS    XL6                 UNUSED
00004A                  DS    X                   RESERVED
               MCEMTXT  #FLAG X'80'               TEXT PROVIDED
               MCEMID   #FLAG X'40'               MSG ID PROVIDED
00004B         MCEMFLG  DS    X                   ERROR MESSAGE FLAG
00004C         MCEMSGID DS    PL4                 MESSAGE ID
000050         MCEMPFX  DS    CL2                 MESSAGE PREFIX              *R102*
               *ONLINE ONLY
000052                  ORG   MCEMSGID
00004C         MCEMSGO  DS    F                   OFFSET TO MESSAGE TEXT FROM
000050         MCEMSGLN DS    H                   MESSAGE TEXT LENGTH
000052         MCE#LINE DS    H                   LINE NO WITHIN PAGING GROUP
               *BATCH ONLY
000054                  ORG   MCEMSGO                                         *R102*
00004C                  DS    XL8                 RESERVED                    *R102*
        00054  MCEDBSLN EQU   *-MCE
               *        BEGINNING OF MCETPOOL(TEXTPOOL) FOR ALL DFLDS IN MAP
               *        CONTAINS OPTIONALLY EXTERNAL PICTURE & ERROR MSG TEXT
000054         MCETPOOL DS    0C                  POOL FOR TEXT (VARIABLE LENGTH)
000000         MCD      DSECT
               ***********************************************************************
               * MAP CONTROL DEVICE-CLASS DSECT(FOLLOWS ALL MCES FOR DEVICE)
               ***********************************************************************
000000         MCDCURSR DS    XL2             DEFAULT CURSOR POS(ROW AND COL) -ONLINE
000002         MCDWCC   DS    X                   DEFAULT WRITE CTRL CHAR  -ONLINE
               MCDANYW  #FLAG X'80'               ANYWHERE FIELD PRESENT  -ONLINE
000003         MCDFLAG  DS    X                   GENERAL FLAG BYTE
000004         MCDBUFL  DS    H                   BASIC BUFFER LENGTH NEEDED FOR WRITE
000006         MCDLITL  DS    H                   LENGTH OF LITERALS IN MAP -ONLINE
000008         MCDMCEO  DS    F                   OFFSET TO FIRST MCE FROM MCH
00000C         MCDLNGST DS    H                   LONGEST SCRN LNGTH
00000E                  DS    XL2                 RESERVED
        00010  MCDDSLEN EQU   *-MCD                LENGTH OF DSECT
000000         MCX      DSECT
               ********************************************************************
               * MCH EXTENSION VECTOR       (OFFSETS ARE FROM THE MCH)             *
               ********************************************************************
000000         MCXPAGE  DS    F                   OFFSET TO MAP PAGING EXTENSION
000004         MCXROLN  DS    F                   OFFSET TO ROLE NAME TABLE
000008         MCXFILE  DS    F                   OFFSET TO FILE EXTENSION
00000C         MCXHELP  DS    F                   OFFSET TO HELP EXTENSION       *MXN*
000010         MCXVTX   DS    F                   OFFSET TO VIDEOTEX EXTENSION    DLL
000014                  DS    F                   RESERVED (OFFSET TO NEXT EXT)
        00018  MCXLEN   EQU   *-MCX                LENGTH OF DSECT
000000         MCHXPG   DSECT
               ********************************************************************
               * MAP PAGING EXTENSION TO MCH
               ********************************************************************
000000         MCHFBUFL DS    H                   BUFFER LEN FOR HDR/FTR PART
000002         MCHVBUFL DS    H                   BUFFER LEN FOR EACH DETAIL
000004         MCHHMCEO DS    F                   OFFSET FROM MCH TO HEADER MCE'S
               *                                  0 IF NO HEADER
000008         MCHFMCEO DS    F                   OFFSET FROM MCH TO FOOTER MCE'S
               *                                  0 IF NO FOOTER
00000C         MCHDMCEO DS    F                   OFFSET FROM MCH TO DETAIL MCE'S
               *                                  0 IF NO DETAIL
000010         MCH#HDRL DS    H                   # LINES IN HEADER
000012         MCH#FTRL DS    H                   # LINES IN FOOTER
000014         MCH#DTLL DS    H                   # LINES IN DETAIL
        00016  MCHXPGLN EQU   *-MCHXPG             LENGTH OF EXTENSION
000000         MCHXRLN  DSECT
               ********************************************************************
               * ROLE NAME TABLE EXTENTSION TO THE MCH                              *
               *      - ONLY PRESENT IF THERE ARE ROLES                             *
               ********************************************************************
000000         MCHXRCNT DS    H                   NUMBER OF ENTRIES (ROLES)
```

```
000002         MCHXRLRC DS    CL32                RECORD NAME OF ROLE
000022         MCHXRCDX DS    H                   INDEX INTO RECORD NAME
        00022  MCHXRLEN EQU   *-MCHXRLRC          LENGTH OF OF AN ENTRY
000000         MCHFEXT  DSECT
               ******************************************************************
               * FILE EXTENSION                                                 *
               *      - ONLY PRESENT IF MAP ACCESSES EXTERNAL FILES             *
               ******************************************************************
000000         MCHRECLN DS    F                   CALC LENGTH OF RECORD
000004         MCHFRLEN DS    H                   LEN OF $R FIELD(S)          ECM85073
000006         MCHFRSEQ DS    X                   MAX NBR OF $R FIELD(S)
               MCHVLA   #FLAG X'80'               MAP CONTAINS VAR LENGTH ARRAY  DKJ
000007                  DS    X                   FLAGS                          DKJ
000008         MCHFDOFF DS    H                   OFFSET TO FIRST DEP ON OCCURANCDKJ
00000A         MCHFGLEN DS    H                   LENGTH OF ONE DEPEND OCCURANCE DKJ
00000C         MCHFDMAX DS    H                   MAXIMUM OCCURANCES IN DEP ON   DKJ
00000E                  DS    H                   RESERVED                  *LCB86075*
000010         MCHFDOMO DS    F                   OFFSET TO DEPENDING ON MCE*LCB86075*
000014                  DS    H                   RESERVED                  *LCB86007*
        00016  MCHFELEN EQU   *-MCHFEXT           LENGTH OF FILE EXTENSION
               ******************************************************************
               * HELP EXTENSION TO THE MCH; PROVIDES ACCESS TO THE HELP LOAD MODULE  *
               *      - ONLY PRESENT IF THERE IS HELP TEXT DEFINED TO THE MAP.      *
               ******************************************************************
000000         MCHXHLP  DSECT ,                                                 *MXN*
000000         MCHHLPN  DS    CL8                 HELP MODULE NAME              *MXN*
000008         MCHHPFK  DS    CL1                 HELP PFKEY                    *MXN*
000009                  DS    CL55                RESERVED                      *MXN*
        00040  MCHXHLPL EQU   *-MCHXHLP           LENGTH OF DSECT               *MXN*
               ******************************************************************
               * VIDEOTEX EXTENSION TO THE MCH                                  *
               *                                                                *
               ******************************************************************
000000         MCHXVTX  DSECT ,                                                  DLL
               MCHVT    #FLAG X'02'               TELETEL NORM
               MCHVP    #FLAG X'04'               PRESTEL NORM
               MCHVC    #FLAG X'08'               CEPT NORM
               MCHVB    #FLAG X'10'               BACKGROUND SCREEN SPECIFIED
               MCHVCR   #FLAG X'20'               BACKGROUND SCREEN
               MCHTR    #FLAG X'40'               FE IS TRANSPARENT
000000         MCHVSFL1 DS    X                   MCH VTX FLAG
000001         MCHVSFL2 DS    X                   MCH VTX FLAG
000002         MCHVFEN  DS    CL8                 BACKGROUND SCREEN NAME
00000A         MCHVDRC  DS    CL4                 DRCS OPTION
00000E         MCHVSIZ  DS    H                   SCREEN FORMAT
000010         MCHVCOL  DS    CL1                 SCREEN COLOR
000011         MCHVBCO  DS    CL1                 BACKGROUND COLOR
000012                  DS    CL2                 RESERVED
        00014  MCHVLEN  EQU   *-MCHXVTX
                        PRINT GEN
```

1.83 #MDQDS

```
                         COPY #MDQDS
                ***********************************************************************
                ***                                                                 ***
                *** MDQ:   MESSAGE DICTIONARY QUEUE ELEMENT DSECT.                  ***
                ***                                                                 ***
                ***********************************************************************

Offset  Value

000000          MDQ      DSECT                           11:37:43 MAY  26, 1979
000000          MDQECBA  DS    A                   ECB ADDRESS FOR REPLY.
000004          MDQREPA  DS    A                   REPLY AREA ADDRESS.
000008          MDQMDQA  DS    A                   NEXT MDQ IN MAJOR CHAIN.
00000C          MDQRCEA  DS    A                   TASK'S RCE ADDRESS.
000010          MDQXTNA  DS    A                   EXTENSION MDQ IF MORE THAN
                *                                  ONE MESSAGE PER REPLY.
000014          MDQREPNO DS    CL2                 REPLY NUMBER.
                MDQECBI  #FLAG X'80'               ECBA IS ECBID.
000016          MDQECBII DS    0XL1
        00080   MDQECBIM EQU   X'80'
000016          MDQFLAG  DS    XL1
000017          MDQTEXT  DS    CL133               OUTPUT MESSAGE.
        0009C   MDQDSLEN EQU   ((*-MDQ+3)/4)*4     LENGTH OF DSECT.
                ***********************************************************************
                ***                                                                 ***
                *** MDH:   MESSAGE DICTIONARY HEADER AREA DSECT.                    ***
                ***                                                                 ***
                ***********************************************************************
                *   THIS AREA IS POINTED TO BY CSAMDHA.
000000          MDH      DSECT
000000          MDHMDQA  DS    A                   FIRST MDQ IN CHAIN.
000004          MDHLOCK  DS    F                   LOCK WORD FOR MP SYSTEMS.
000008          MDHNXTNO DS    PL2                 NEXT REPLY NUMBER, 1-98.
        0000C   MDHDSLEN EQU   ((*-MDH+3)/4)*4     LENGTH OF DSECT.
```

1.84 #MLEDS

```
                         COPY #MLEDS
                 ******************************************************************

                 *                                                                *
                 *       THE MULTITHREAD LINE ENTRY (MLE) IS THE CONTROL BLOCK     *
                 *       USED TO IMPLEMENT PSEUDO-TASKING OF MULTIPLE LINES        *
                 *       WITHIN ONE BSC DRIVER TASK. IN OTHER WORDS, ONE DRIVER    *
                 *       CAN NOW SUPPORT A BTAM LINE GROUP, NOT JUST A SINGLE      *
                 *       BTAM LINE.                                                *
                 *                                                                *
                 *       THE PLE NOW CORRESPONDS TO A BTAM LINE GROUP. MLE'S       *
                 *       CORRESPOND TO BTAM LINES. MLE'S ARE CHAINED FROM THE      *
                 *       PLE EXTENSION.                                            *
                 *                                                                *
                 *       EACH MLE CONSISTS OF:                                     *
                 *                                                                *
                 *           1. A BTAM DECB                                        *
                 *           2. BTAM I/O COUNTERS                                  *
                 *           3. A REGISTER SAVE AREA TO SAVE THE PSEUDO-TASK'S     *
                 *              REGISTERS WHEN WAITING FOR I/O TO COMPLETE         *
                 *           4. A LIFO STACK OF RETURN ADDRESSES USED TO           *
                 *              IMPLEMENT INTERNAL PROCEDURE CALLS                 *
                 *           5. A SERVICE ECB ANALOGOUS TO THE PLE SERVICE ECB     *
                 *           6. MISCELLANEOUS FIELDS USED TO SUPPORT BTAM I/O      *
                 *                                                                *
                 *       EACH MLE ALSO ANCHORS A CHAIN OF PTE'S FOR TERMINALS      *
                 *       CONNECTED TO THE CORRESPONDING LINE.                      *
                 *                                                                *
                 ******************************************************************
Offset  Value

00000C           MLE      DS    0F                  MULTITHREAD LINE ENTRY
        00030    MLEDECBL EQU   48                  DECB LENGTH
00000C           MLEWORKF DS    F                   WORK AREA FOR MACROS
                 ******************************************************************
                 *       BTAM I/O COUNTERS                                        *
                 ******************************************************************
000010           MLEERRD  DS    F                   NUMBER OF READ ERRORS
000014           MLEERWT  DS    F                   NUMBER OF WRITE ERRORS
000018           MLERDCT  DS    F                   NUMBER OF READS
00001C           MLEWTCT  DS    F                   NUMBER OF WRITES
                 ******************************************************************
                 *       POLLING DELAY ECB                                        *
                 ******************************************************************
000020           MLEPECB  DS    F                   EXTERNAL POLLING DELAY ECB
                 ******************************************************************
                 *       MLE SERVICE ECB                                          *
                 ******************************************************************
000024           MLESECB  DS    F                   EXTERNAL SERVICE ECB
                 ******************************************************************
                 *       PSEUDO-TASK REGISTER SAVE AREA                           *
                 ******************************************************************
000028           MLERSA   DS    11F                 REGISTER SAVE AREA (R14-R8)
000054                    ORG   MLERSA
000028           MLER14   DS    F                   RETURN ADDR AFTER LWAIT
00002C           MLER15   DS    F
000030           MLER0    DS    F
000034           MLER1    DS    F
000038           MLER2    DS    F
00003C           MLER3    DS    F
000040           MLER4    DS    F
000044           MLER5    DS    F                   ADDR OF MLE
```

```
000048          MLER6    DS    F
00004C          MLER7    DS    F
000050          MLER8    DS    F                   ADDR OF PLE
                ********************************************************************
                *        IDMS-DC PARAMETER LIST                                    *
                ********************************************************************
000054          MLEPLIST DS    6F                  PARAMETER LIST FOR IDMS-DC
                ********************************************************************
                *        RETURN ADDRESS STACK FOR INTERNAL PROCEDURE CALLS         *
                ********************************************************************
00006C          MLESTKW  DS    F                   WORK AREA FOR MLE STACK MACROS
000070          MLESTKB  DS    A                   ADDR OF MLE STACK BEGINNING
000074          MLESTKE  DS    A                   ADDR OF MLE STACK END
000078          MLESTKP  DS    A                   MLE STACK POINTER
00007C          MLESTACK DS    16A                 MLE RETURN ADDR STACK
        00040   MLESTKL  EQU   *-MLESTACK          MLE STACK LENGTH
0000BC          MLEPICE  DS    A                   ADDR OF SETIME ICE
0000C0          MLECPTE  DS    A                   ADDR OF PTE CONTROLLING LINE
0000C4          MLESPTE1 DS    A                   SAVE ADDR OF CURRENT PTE
0000C8          MLESPTE2 DS    A                   SAVE ADDR OF CURRENT PTE
                ********************************************************************
                *        POINTERS TO BTAM POLLING, ANSWERING, ETC. LISTS           *
                ********************************************************************
0000CC          MLEPLST  DS    A                   ADDR OF GENERAL POLLING LIST
0000D0                   ORG   MLEPLST
0000CC          MLEALST  DS    A                   ADDR OF ANSWERING LIST
0000D0          MLESLST  DS    A                   ADDR OF SPECIFIC POLLING LIST
0000D4                   ORG   MLESLST
0000D0          MLECLST  DS    A                   ADDR OF CALLING LIST
0000D4          MLERBUF  DS    A                   ADDR OF 1ST INPUT BUFFER
0000D8          MLERADD  DS    A                   ADDR OF INPUT DATA IN BUFFER
0000DC          MLEFPTE  DS    A                   ADDR OF 1ST PTE FOR LINE
0000E0          MLENMLE  DS    A                   ADDR OF NEXT MLE
0000E4          MLERLN   DS    H                   RELATIVE LINE NUMBER WITHIN GROUP
0000E6          MLEDLEN  DS    H                   CURRENT BUFFER DATA LENGTH
0000E8          MLEBUFL  DS    H                   I/O BUFFER LENGTH
0000EA          MLENTERM DS    H                   NUMBER OF TERMINALS ON LINE
0000EC          MLENMRD  DS    H                   NUMBER OF READS FOR INQUIRY MODE
0000EE          MLETOCT  DS    H                   NUMBER OF TIMEOUTS
                ********************************************************************
                *        #WTL WORK FIELDS                                          *
                ********************************************************************
0000F0          MLEWTL1  DS    X,CL8               FIRST #WTL PARAMETER
0000F9          MLEWTL2  DS    X,CL8               SECOND #WTL PARAMETER
000102          MLECUDEV DS    CL2                 3270 CU AND DEVICE ID'S
000104          MLESS    DS    CL2                 3270 AND 3741 SENSE/STATUS
000106          MLEPOLEL DS    X                   LENGTH OF POLLING LIST ENTRY
000107          MLECOMP  DS    X                   REQUEST COMPLETION CODE
000108          MLERC    DS    X                   LOCAL RETURN CODE
                ********************************************************************
                *        MLE FLAG BYTES                                            *
                ********************************************************************
                MLEWDEC  #FLAG X'01'               WAIT ON DECB
000109          MLEWDECI DS    0XL1
        00001   MLEWDECM EQU   X'01'
                MLEWPEC  #FLAG X'02'               WAIT ON POLLING DELAY ECB
000109          MLEWPECI DS    0XL1
        00002   MLEWPECM EQU   X'02'
                MLEWSEC  #FLAG X'04'               WAIT ON MLE SERVICE ECB
000109          MLEWSECI DS    0XL1
        00004   MLEWSECM EQU   X'04'
000109          MLEFLAG1 DS    X                   1ST MLE FLAG BYTE
                MLEDLAY  #FLAG X'01'               POLLING DELAY FLAG
00010A          MLEDLAYI DS    0XL1
        00001   MLEDLAYM EQU   X'01'
```

```
                MLEEXCL  #FLAG X'02'               LINE UNDER EXCLUSIVE CONTROL
00010A          MLEEXCLI DS    0XL1
        00002   MLEEXCLM EQU   X'02'
                MLEPSE   #FLAG X'04'               POST MLE SERVICE ECB
00010A          MLEPSEI  DS    0XL1
        00004   MLEPSEM  EQU   X'04'
                MLECLOS  #FLAG X'08'               NO DD STATEMENT FOR THIS RLN
00010A          MLECLOSI DS    0XL1
        00008   MLECLOSM EQU   X'08'
                MLEDISC  #FLAG X'10'               LINE IS DISCONNECTED
00010A          MLEDISCI DS    0XL1
        00010   MLEDISCM EQU   X'10'
                MLERSS   #FLAG X'20'               READ 3270 AND 3741 SENSE/STATUS
00010A          MLERSSI  DS    0XL1
        00020   MLERSSM  EQU   X'20'
                MLEVQUE  #FLAG X'40'               LINE IS QUIESCED
00010A          MLEVQUEI DS    0XL1
        00040   MLEVQUEM EQU   X'40'
                MLEOERR  #FLAG X'80'               LINE ERROR AT OPEN(LOPEN REQ'D)
00010A          MLEOERRI DS    0XL1
        00080   MLEOERRM EQU   X'80'
00010A          MLEFLAG2 DS    X                   2ND MLE FLAG BYTE
                MLERTI   #FLAG X'01'               READ INITIAL IN PROGRESS
00010B          MLERTII  DS    0XL1
        00001   MLERTIM  EQU   X'01'
                MLERTT   #FLAG X'02'               READ CONTINUE FLAG
00010B          MLERTTI  DS    0XL1
        00002   MLERTTM  EQU   X'02'
                MLEWTT   #FLAG X'04'               WRITE CONTINUE FLAG
00010B          MLEWTTI  DS    0XL1
        00004   MLEWTTM  EQU   X'04'
                MLERTC   #FLAG X'08'               READ CONNECT FLAG
00010B          MLERTCI  DS    0XL1
        00008   MLERTCM  EQU   X'08'
00010B          MLEFLAG3 DS    X                   3RD MLE FLAG BYTE
                MLEMPNF  #FLAG X'01'               MATCHING PTE NOT FOUND FOR INPUT
00010C          MLEMPNFI DS    0XL1
        00001   MLEMPNFM EQU   X'01'
00010C          MLEFLAG4 DS    X                   4TH MLE FLAG BYTE
00010D          MLEINDEX DS    X                   POLLING LIST INDEX FROM READ INIT.
00010E                   DS    CL38                ** UNUSED **
        00128   MLEDSLEN EQU   ((*-MLE+7)/8)*8     LENGTH OF EXTENSION
```

1.85 #MNHDS

```
                        COPY #MNHDS

Offset  Value

000000          MNH      DSECT                           06/01/90 11:33:54
                         PRINT NOGEN
                ********************************************************************
                *  MAP NODE HEADER : CONTAINS HEADER DATA FOR THE MAP PAGING NODE.  *
                *   HEADER, AND FOOTER NODES CAN HAVE ONE MNH AND MANY MNF'S.       *
                *   DETAIL NODES CAN HAVE MULTIPLE MNH AND MNF'S PER PAGE.          *
                *   MNHS' CAN HAVE HAVE 0 MNF'S IF ALL THEIR MCE'S ARE NON-DFLDS.   *
                *   SINCE THERE IS ONLY 1 HEADER AND 1 FOOTER PER MAP, PGCTL WILL   *
                *   ADDRESS EACH (PGCTLHDR, PGCTLFTR).                              *
                *   THE 1ST DETAIL MNH IS ADDRESSED VIA PGCTLBLK -→ PBLK.
                *   SUBSEQUENT DETAIL MNH(S) AND THEIR MNF(S) ARE CHAINED (MNHNPTR).*
                *   WHEN MNHNPTR = -1 , THEN IT IS THE END OF THE DETAIL CHAIN.     *
                ********************************************************************
000000                   DS    0F
000000          MNHMAP   DS    CL8                MAP NAME
                MNHHEAD  #FLAG X'10'              - HEADER MNH
                MNHFOOT  #FLAG X'20'              - FOOTER MNH
                MNHDETL  #FLAG X'40'              - DETAIL MNH
                MNHNN    #FLAG X'80'              0 MNF'S FOR THIS MNH
                MNHUPD   #FLAG X'01'              FIELD(S) IN NODE UPDATED
                MNHLAST  #FLAG X'02'              LAST DETAIL MNH FOR SESSION
                MNHERR   #FLAG X'04'              FIELD(S) IN NODE IN ERROR
                MNHLSTP  #FLAG X'08'              LAST DETAIL MNH FOR PAGE
000008          MNHFLAG  DS    X                  FLAG BYTE
000009                   DS    XL3                RESERVED
        0000C   MNHHLEN  EQU   *-MNH              LENGTH OF HEADER/FOOTER MNH
                * FOR DETAIL MNH(S)
00000C          MNHNPTR  DS    A                  OFFSET TO NEXT NODE IN CHAIN
000010                   DS    XL4                RESERVED
000014          MNHKEY   DS    CL4                KEY TO DISTINGUISH NODE
                *                                  (OPTIONALLY PROVIDED BY USER)
000018          MNHNLN   DS    H                  NUMBER OF LINES IN DETAIL
00001A                   DS    XL2                RESERVED
        0001C   MNHNLEN  EQU   *-MNH              LENGTH OF DETAIL MNH
000000          MNF      DSECT
                ********************************************************************
                *  MAP NODE FIELD:   THIS CONTROL BLOCK CONTAINS INFORMATION FOR    *
                *     EACH FIELD IN THE HEADER, FOOTER, OR DETAIL MNH.              *
                *     THE MNF HOLDS DFLD, $MESSAGE, AND $PAGE DATA.                 *
                ********************************************************************
000000          MNFLEN   DS    F                  LENGTH OF MNF
000004          MNFROW   DS    X                  ROW NUMBER
000005          MNFCOL   DS    X                  COLUMN NUMBER
                MNFBROW  #FLAG X'20'              BROWSE PROTECTS ALL MNF'S
000006          MNFATTR  DS    X                  ATTRIBUTE BYTE
000007          MNFATTR2 DS    X                  SECOND ATTRIBUTE BYTE (EXTENDED)
000008          MNFATTR3 DS    X                  THIRD  ATTRIBUTE BYTE (EXTENDED)
000009          MNFATTR4 DS    X                  FOURTH ATTRIBUTE BYTE (EXT)    BZJ
00000A          MNFATTR5 DS    X                  FIFTH  ATTRIBUTE BYTE (EXT)    BZJ
00000B                   DS    X                  RESERVED
00000C          MNFFLDN  DS    H                  FIELD NUMBER FROM MCEFLDN
                MNFPAGE  #FLAG X'10'              $PAGE FIELD
                MNFRADR  #FLAG X'20'              REPEAT TO ADDRESS
                MNFLAST  #FLAG X'40'              LAST MNF FOR THIS MNH
                MNFUPD   #FLAG X'80'              FIELD WAS UPDATED
                *                    IF REPEAT TO ADDRESS, DLEN HOLDS LENGTH OF FIELD
                *                    BUT ONLY ONE BYTE STORED IN DATA, SO ONLY 1
                *                    ADDED FOR LENGTH INSTEAD OF DATA LENGTH.
```

```
                MNFTRUN  #FLAG X'01'               DATA TRUNCATED ON INPUT FRO SCREEN
                MNFERR   #FLAG X'02'               FIELD IS IN ERROR
                MNFNXTP  #FLAG X'04'               FIELD IS $NXTPAG
                MNFTOTP  #FLAG X'08'               FIELD IS $TOTPAG
00000E          MNFFLAG1 DS    X                   FLAG BYTE 1
                MNFDFLD  #FLAG X'01'               FIELD IS A DFLD
                MNFRESP  #FLAG X'02'               FIELD IS A RESPONSE
                MNFEXT   #FLAG X'04'               EXTENDED MRE ATTR SET CARRIED HERE
                MNFMSG   #FLAG X'08'               FIELD IS A MESSAGE
                MNFERAS  #FLAG X'10'               FIELD WAS ERASED            C8509M
00000F          MNFFLAG2 DS    X                   FLAG BYTE 2
000010          MNFINLEN DS    H                   DATA FIELD LENGTH ON MAPIN
000012          MNFDLEN  DS    H                   DATA FIELD LENGTH FROM MCE
        00014   MNFFLEN  EQU   *-MNF               FIXED PORTION LENGTH
000014          MNFDATA  DS    0H                  FIELD DATA
                ********************************************************************
                *    MRE SET/RESET ATTRIBUTE BYTES FROM THE MRE ARE CARRIED IN
                *    THE NODE DIRECTLY AFTER THE DATA.
                *    THEY WILL BE USED TO MODIFY THE ATTRIBUTES STORED IN THE
                *    MNF JUST PRIOR TO SCREEN OUT.
                ********************************************************************
000000          MNFMREA  DSECT                     FOLLOWS LAST BYTE OF DATA
000000          MNFPA1A  DS    0XL4                ATTRIBUTE 1 SET/RESET
000000          MNFPA1ON DS    X                   PERM 1 ON
000001          MNFPA1OF DS    X                   PERM 1 OFF
000002          MNFTA1ON DS    X                   TEMP 1 ON
000003          MNFTA1OF DS    X                   TEMP 1 OFF
                *        THE FOLLOWING ARE VALID FOR
                *        EXTENDED ATTRIBUTE TERMINAL TYPES
                *        NON-EXTENDED TERMINAL TYPES CARRY XL8'00'
000004          MNFPA2A  DS    0XL4                EXTENDED ATTRIBUTE 2 SET/RESET
000004          MNFPA2ON DS    X                   PERM 2 ON
000005          MNFPA2OF DS    X                   PERM 2 OFF
000006          MNFTA2ON DS    X                   TEMP 2 ON
000007          MNFTA2OF DS    X                   TEMP 2 OFF
000008          MNFPA3A  DS    0XL4                EXTENDED ATTRIBUTE 3 SET/RESET
000008          MNFPA3ON DS    X                   PERM 3 ON
000009          MNFPA3OF DS    X                   PERM 3 OFF
00000A          MNFTA3ON DS    X                   TEMP 3 ON
00000B          MNFTA3OF DS    X                   TEMP 3 OFF
00000C          MNFPOUTF DS    X                   PERMANENT OUTPUT FLAGS GIK053190
00000D          MNFTOUTF DS    X                   TEMPORARY OUTPUT FLAGS GIK053190
00000E          MNFPINF  DS    X                   PERMANENT INPUT FLAGS  GIK053190
00000F          MNFTINF  DS    X                   TEMPORARY INPUT FLAGS  GIK053190
000010          MNFPPADC DS    X                   PERM PAD CHARACTER     GIK053190
000011          MNFTPADC DS    X                   TEMP PAD CHARACTER     GIK053190
000012          MNFPINF2 DS    X                   PERM INF2              GIK053190
000013          MNFTINF2 DS    X                   TEMP INF2              GIK053190
                         PRINT GEN
```

1.86 #MPSRADS

```
                    COPY #MPSRADS

Offset  Value

000000          MPSRADS  DSECT                          12:12:03 03/11/86   09/04/90
                ************************************************************
                ***                                                      ***
                ***     MPSRADS - MAPPING SUBROUTINE ADDRESS LIST        ***
                ***     USED FOR ADDRESS COMMUNICATION BETWEEN:          ***
                ***     RHDCMAPR, RHDCPAGR, AND RHDCMPGP                 ***
                ***                                                      ***
                ***     ALLSTATA IS THE 1ST ADDRESS WHERE ENTRY TO       ***
                ***     RHDCMPGP SAVES CALLED REGISTERS AND BRANCHES     ***
                ***     TO ONE OF THE FOLLOWING ROUTINES.                ***
                ***                                                      ***
                ************************************************************
000000          MPSRID   DS    CL4                     IDENTIFIER CONTAINS MPS*
                *                   RHDCMPGP ROUTINES:
000004          ALLSTATA DS    A                       RHDCMPGP COMMON ENTRY
000008          GETSGGA  DS    A                       GET STORAGE
00000C          FRESTGA  DS    A                       FREE STORAGE
000010          GETSCRA  DS    A                       GET SCRATCH RECORD
000014          PUTSCRA  DS    A                       PUT SCRATCH RECORD
000018          DELSCRA  DS    A                       DELETE SCRATCH REC
00001C          NODE1A   DS    A                       CREATE A NEW NODE
000020          NODE2A   DS    A                       UPDATE $MESSAGE MNF
000024          NODE4A   DS    A                       RE-CREATE A NODE (PFK)
000028          NODE6A   DS    A                       NODE SEARCH ON KEY
00002C          BLDA0A   DS    A                       BUILD A 3270 DATASTREAM
000030          PARM2A   DS    A                       ADDRESS OF PARM ROUTINE
        00030   MPSMLEN  EQU   *-ALLSTATA              LENGTH OF RHDCMPGP ADDRESSES
                *                   RHDCMAPR ROUTINES:
000034          ENDRCA   DS    A                       CALC END ROW/COL FOR MAP FIELD
000038          GETMREA  DS    A                       GET THE MRE FOR AN MCE
00003C          MOVEATTA DS    A                       MOVE ATTRIBUTES TO DATASTREAM
000040          POINTFLA DS    A                       COMPUTE ADDRESS FOR A DFLD
000044          ROWCOLA  DS    A                       CONVERT 3270 SCREEN ADDRESS
000048          ENDADDRA DS    A                       ENDING FLD ADDR TO DATASTREAM
00004C          SBACURSA DS    A                       SBA ORDER, CURSOR
000050          SBAADDRA DS    A                       SBA ORDER
000054          DEVCLASA DS    A                       DETERMINE 3270 DEVICE CLASS
000058          NEXTBUFA DS    A                       NEXT DC INPUT BUFFER
00005C          CHKREQA  DS    A                       CHECK IF INPUT REQUIRED
000060          DELMAPA  DS    A                       DELETE MAP LOAD MODULE
000064          SETMAPRA DS    A                       SET ALTERNATE MAP NAME
000068                   DS    0D                      ALIGNMENT FOR FOLLOWING DSECT
        00034   MPSRLEN  EQU   *-ENDRCA                LENGTH OF RHDCMAPR ADDRESSES
        00068   MPSLEN   EQU   *-MPSRADS               LENGTH OF CONTROL BLOCK
```

1.87 #MRBDS

```
                    COPY #MRBDS

Offset  Value

000000          MRB      DSECT                           04/03/90 14:29:22
                ************************************************************************
                * MAPPING REQUEST BLOCK
                ************************************************************************
                         PRINT NOGEN                                                   **
000000          MRBNAME  DS    CL8                MAP NAME
000008          MRBVERID DS    0CL16              MAP COMPILE DATE/TIME.
000008          MRBDATE  DS    CL8                MAP COMPILE DATE.
000010          MRBTIME  DS    CL6                MAP COMPILE TIME.
000016          MRBID    DS    CL2                MAP ID (RELEASE).
000018          MRBSSNAM DS    CL8                SUBSCHEMA NAME.
                MRBWRIT  #FLAG X'01'              MAPOUT (ALSO FILE MAPPING)
                MRBREAD  #FLAG X'02'              MAPIN  (ALSO FILE MAPPING)
                MRBCHEK  #FLAG X'04'              CHECK = YES
                MRBPAGE  #FLAG X'08'              MAP PAGING REQUEST
                MRBODA   #FLAG X'10'              OUT DATA ATTRIBUTE
000020          MRBTYPE  DS    X                  REQUEST TYPE FLAGS
                ************************************************************************
                *                 ---MRB OPTIONS BYTE 1---
                ************************************************************************
                ************************************************************************
                * THE FOLLOWING FLAGS DEFINE THIS BYTE FOR 'ONLINE MAPPING'.
                ************************************************************************
                MRBLITS  #FLAG X'01'              WRITE LITERALS ON OUTPUT
                MRBNOIO  #FLAG X'02'              NO I/O IS TO TAKE PLACE
                MRBIDYS  #FLAG X'04'              INDATA = YES
                MRBLAST  #FLAG X'04'              'BLAST' WRITE TO DEST/USER/LTERM
                MRBIDNO  #FLAG X'08'              INDATA = NO
                MRBODYS  #FLAG X'10'              OUTDATA = YES
                MRBODNO  #FLAG X'20'              OUTDATA = NO
                MRBODER  #FLAG X'40'              OUTDATA = ERASE
                MRBNCLR  #FLAG X'80'              CLEAR FLAGS = NO
                ************************************************************************
                * THE FOLLOWING FLAGS DEFINE THIS BYTE FOR 'FILE MAPPING'.
                ************************************************************************
                MRBFRSP  #FLAG X'80'              OPTNS=RESP   (RETURN $RESP ONLY)
                MRBFSUS  #FLAG X'40'              OPTNS=SUSPENSE (WRITE REC TO SUSP)
                MRBFCLS  #FLAG X'20'              BIND CLOSE
                MRBFOPN  #FLAG X'10'              BIND OPEN
                MRBFSIO  #FLAG X'04'              SUPPRESS I/O (RETURN BUFFER ONLY)
                MRBFOUT  #FLAG X'02'              BIND FOR OUTPUT OPERATIONS
                MRBFINP  #FLAG X'01'              BIND FOR INPUT OPERATIONS
                MRBFBRQ  #FLAG MRBFCLSM+MRBFOPNM  BIND REQUEST (OPEN|CLOSE)
                MRBFIO   #FLAG MRBFINPM+MRBFOUTM  BIND FOR INPUT+OUTPUT OPERATIONS
000021          MRBOPT1  DS    X                  REQUEST OPTION FLAGS
                MRBNEWP  #FLAG X'01'              NEW PAGE
                MRBTCFD  #FLAG X'02'              MRBTCURO IS DFLD MRE NOT ROW/COL
                MRBUPP   #FLAG X'04'              XLATE INPUT TO UPPER CASE
                MRBDEST  #FLAG X'04'              BLAST TO DESTINATION
                MRBUPL   #FLAG X'08'              TEXT READ, NO UPPER CASE XLATION
                MRBUSER  #FLAG X'08'              BLAST TO USER
                MRBLTER  #FLAG X'10'              BLAST TO LTERM
                MRBSAVE  #FLAG X'20'              SAVE THIS MAPOUT IF BLASTED
                MRBEAU   #FLAG X'40'              ERASE ALL UNPROTECTED
                MRBPCFD  #FLAG X'80'              MRBPCURO IS DFLD MRE NOT ROW/COL
000022          MRBOPT2  DS    X                  REQUEST OPTION FLAGS
                MRBCONT  #FLAG X'01'              ERROR IN EDIT OR CODE TABLE
                MRBCONA  #FLAG X'02'              TERMINAL OPERATOR HIT ATTN ON OUTPUT
```

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                MRBCONL  #FLAG X'04'               LOGICAL PROBLEMS WITH DATA
                MRBCONP  #FLAG X'08'               PERMANENT I/O ERRORS
                MRBCOND  #FLAG X'10'               TERMINAL IS DEAD OR DISCONNECTED
                MRBCONI  #FLAG X'20'               INVALID PARAMETER LIST
                MRBCONF  #FLAG X'40'               MAP NOT FOUND
                MRBCONS  #FLAG X'80'               DEVICE NOT SUPPORTED
                MRBCONU  #FLAG X'80'               UNDEFINED 'BLAST' DEST/USER/LTERM
000023          MRBCONDC DS    X                   CONDITIONS THE CALLER WILL HANDLE
000024          MRBBIDA  DS    0A                DESTID/USERID/LTERMID ADDRESS OR
000024          MRBSAREA DS    A                 ADDRESS OF DATA STREAM (WHEN I/O = NO)
000028          MRBSLEN  DS    H                   LENGTH OF DATA STREAM WHEN I/O = NO
00002A          MRBNFLDS DS    H       NUMBER OF MAP REQUEST ELEMENTS FOLLOWING MRB
00002C          MRBNRECS DS    H       NUMBER OF RECORD BIND ADDRESSES FOLLOWING MRE'S
00002E          MRBRECOF DS    H                   LENGTH OF ALL THE MRE'S
000030          MRBPCURO DS    XL2                 PERMANENT CURSOR OVERRIDE
000032          MRBTCURO DS    XL2                 TEMPORARY CURSOR OVERRIDE
000034          MRBPWCCO DS    X                  PERMANENT WRITE CONTROL CHAR OVERRIDE
000035          MRBTWCCO DS    X                  TEMPORARY WRITE CONTROL CHAR OVERRIDE
000036          MRBCURPS DS    XL2             CURRENT CURSOR POSITION (ROW AND COLUMN)
000038          MRBAID   DS    X                   ATTENTION IDENTIFIER
                MRBUNFR  #FLAG X'01'               SCREEN WAS UNFORMATTED
                MRBTRUN  #FLAG X'02'             AT LEAST ONE INPUT FIELD WAS TRUNCATED
                MRBCHNG  #FLAG X'04'               AT LEAST ONE INPUT FIELD WAS CHANGED
                MRBEXTR  #FLAG X'08'               EXTRANEOUS INPUT WAS READ
000039          MRBIFLGS DS    X                   INPUT FLAGS
00003A          MRBSEGVW DS    X                   PRGM USING SEGMENTED VIEW? (Y OR N)
                MRBMPNS  #FLAG X'08'               MAP PAGING SESSION NOT STARTED
                MRBEDNF  #FLAG X'04'               USERS EDIT MOD NOT FOUND
                MRBIDAT  #FLAG X'02'               INVALID INTERNAL DATA
                MRBCONE  #FLAG X'01'               ERROR ON RTN FROM USER EDIT RTN
00003B          MRBCOND2 DS    X                   SECOND BYTE FOR CONDITION CODE
00003C          MRBFMRE  DS    0A                  START OF FIRST MAP REQUEST ELEMENT
        0003C   MRBDSLN1 EQU   ((*-MRB+3)/4)*4     LENGTH OF REL 1 MRB
00003C          MRBMREO  DS    H                   OFFSET TO 1ST MRE(REL 2 & HIGHER)
00003E          MRBERRS  DS    H                   ERROR COUNTER
000040          MRBEA1ON DS    X                   ATTRIBUTE 1 BITS ON FOR ERROR FLDS
000041          MRBEA1OF DS    X                   ATTRBUTE 1 BITS OFF FOR ERROR FLDS
000042          MRBCA1ON DS    X                   ATTR 1 BITS ON FOR CORRECT FLDS
000043          MRBCA1OF DS    X                   ATTR 1 BITS OFF FOR CORRECT
000044          MRBCMFLD DS    H                   CURRENT MAP FIELD
000046          MRBXTYP  DS    X                   MRB EXTENSION TYPE(0 IS STANDARD)
                MRBFORC  #FLAG X'01'               OUTDATA = FORCE (ADS ONLY)
000047          MRBOPT3  DS    X                   REQUEST OPTION FLAGS
000048          MREXLEN  DS    H                   MRE EXTENSION LENGTH
00004A          MRBXLEN  DS    H                   MRB EXTENSION LENGTH
00004C          MRBEX    DS    0C                  MRB EXTENSION
        0004C   MRBDSLEN EQU   ((*-MRB+3)/4)*4     LENGTH OF REL 2 MRB
                ***********************************************************************
                * MAPPING REQUEST BLOCK EXTENSION (FOR 3279S)
                ***********************************************************************
00004C                   ORG   MRBEX
00004C          MRBEA2ON DS    X                   ATTR BYTE 2 BITS TO TURN ON-ERROR
00004D          MRBEA2OF DS    X                   ATTR BYTE 2 BITS TO TURN OFF-ERROR
00004E          MRBCA2ON DS    X                   ATTR BYTE 2 BITS TO TURN ON-CORRECT
00004F          MRBCA2OF DS    X                   ATTR BYTE 2 BITS TO TURN OFF-CORRECT
000050          MRBEA3ON DS    X                   ATTR BYTE 3 BITS TO TURN ON-ERROR
000051          MRBEA3OF DS    X                   ATTR BYTE 3 BITS TO TURN OFF-ERROR
000052          MRBCA3ON DS    X                   ATTR BYTE 3 BITS TO TURN OFF-CORRECT
000053          MRBCA3OF DS    X                   ATTR BYTE 3 BITS TO TURN OFF-CORRECT
        00008   MRB1XLEN EQU   *-MRBEX
                ***********************************************************************
                * MAPPING REQUEST BLOCK EXTENSION VECTORS         (REL 3)           *
                ***********************************************************************
000054          MRBMPEOF DS    F                   OFFSET FRO MRB TO PAGING EXTENSION
000058                   DS    3F                  RESERVED
        00018   MRB2XLEN EQU   *-MRBEX             TOT EXTENSION LEN WITH VECTORS
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                 ***********************************************************************
                 * MAPPING REQUEST BLOCK EXTENSION (FOR FILE MAPPING)
                 ***********************************************************************
000064                   ORG   MRBEX
00004C           MRBFILEX DS    0F                 MRB FILE EXTENSION
                 MRBFEOF  #FLAG X'80'               END-OF-FILE DETECTED
                 MRBFSYN  #FLAG X'40'               PHYSICAL I/O ERROR OCCURRED
                 MRBFTMP  #FLAG X'20'               TEMPORARY DATASET (OS)
                 MRBFPDS  #FLAG X'10'               MEMBER OF PDS (OS)
                 MRBFDMY  #FLAG X'08'               DUMMY DATASET (OS)
                 MRBFGU   #FLAG X'04'               GET-UPDATE PERFORMED (VSAM I/O)
                 MRBFUPD  #FLAG X'02'               VSAM RPL OPTCD=UPD (VSAM I/O)
00004C           MRBFSTAT DS    X                  RESERVED
00004D                   DS    X                  RESERVED
00004E                   DS    X                  RESERVED
00004F                   DS    X                  RESERVED
000050           MRBFMAPA DS    A                   A(MAP LOAD MODULE)
000054           MRBFEMAX DS    F                   MAX SUSP FILE WRITES FOR MAP
000058           MRBF#ERR DS    F                   CURR #SUSP FILE WRITES FOR MAP
00005C           MRBFBRPL DS    A                   A(BRPL) FOR THIS MAP
000060           MRBFSUSP DS    A                   A(BRPL) FOR SUSPENSE FILE
000064           MRBF#INP DS    F                   # SUCCESSFUL INPUT OPERATIONS
000068           MRBF#OUT DS    F                   # SUCCESSFUL OUTPUT OPERATIONS
00006C           MRBFAEWA DS    F                   A(AUTOMATIC EDITTING WORK AREA)
000070           MRBFAEWL DS    H                   L'AUTOMATIC EDITTING WORK AREA
000072                   DS    H                  RESERVED
000074           MRBFFIBA DS    F                   A(SUBSCHEMA IB50 RECORD)
000078           MRBFIOBA DS    A                   A(BRPL BUFFER) IF OUTPUT|IO MAP
00007C                   DS    5F                 RESERVED
        00044    MRBFXLEN EQU   *-MRBEX             LENGTH OF FILE MAPPING EXTENSION
        00090    MRBFMLEN EQU   ((*-MRB+3)/4)*4     LENGTH OF REL 2 FILE MAPPING MRB
000000           MPE      DSECT
                 **********************************************************************
                 * MAPPING PAGING EXETENSION BLOCK TO MRB                            MP
                 **********************************************************************
                 MPECNT   #FLAG X'01'               MAPOUT RESUME REQ
                 MPEPGN   #FLAG X'02'               PAGE=NEXT REQUEST
                 MPEPGP   #FLAG X'04'               PAGE=PRIOR REQUEST
                 *                                  NOTE: IF NOT NEXT,PRIOR,FIRST,LAST
                 *                                  REG OR CURR GET PAGE # FROM MPEPG#
                 MPEKEY   #FLAG X'08'               MAPIN/OUT KEY= REQ
                 MPERKY   #FLAG X'10'               MAPIN RTRNKEY= REQ
                 MPESEQ   #FLAG X'20'               MAPIN SEQ-NBR REQ
                 MPEDNE   #FLAG X'40'               MAPOUT DETAIL NEW (NOT CURR)
                 MPEPGF   #FLAG X'80'               PAGE=FIRST REQUEST
000000           MPEFLG1  DS    X                   MAP PAGING MAPOUT FLAGS
                 MPEPGC   #FLAG X'01'               PAGE=CURRENT REQUEST
                 MPEPGL   #FLAG X'02'               PAGE=LAST REQUEST
                 MPEDTL   #FLAG X'04'               MAPIN DETAIL (NOT HEADER)
                 MPEMINP  #FLAG X'08'               MAPIN DETAIL PAGE= REQUEST
                 MPEPGR   #FLAG X'10'               MAPOUT RESUME PAGE IN REG REQ
                 MPEDTLF  #FLAG X'20'               MAPIN FIRST UPDATED DETAIL
                 MPEDTLM  #FLAG X'40'               MAPIN ONLY MODIFIED MNF'S
000001           MPEFLG2  DS    X                   MAPIN PAGING REQUEST FLAGS
000002                   DS    XL2                 RESERVED
000004           MPEPG#   DS    F                   ADDRESS OF FULLWORD PAGE NBR
000008           MPEKEYA  DS    F                   FOR MAPIN - EITHER ADDR OF VARIABLE
                 *                KEY, OR THE RETURN KEY ITSELF (DEPENDS ON REQUEST)
00000C           MPESEQ#  DS    F                   ADDR OF HALFWORD SEQ NUMBER
        00010    MPELEN   EQU   *-MPE               PAGING EXTENSION BLOCK LENGTH
000000           MRE      DSECT
                 ***********************************************************************
                 * MAPPING REQUEST ELEMENT DSECT - CONTROLS OVERRIDES FOR ONE DATA
                 *        FIELD OF A MAP
                 ***********************************************************************
000000           MREPATON DS    X                   PERMANENT ATTRIBUTE BITS TO TURN ON
```

```
000001         MREPATOF DS    X                   PERMANENT ATTRIBUTE BITS TO TURN OFF
000002         MRETATON DS    X                   TEMPORARY ATTRIBUTE BITS TO TURN ON
000003         MRETATOF DS    X                   TEMPORARY ATTRIBUTE BITS TO TURN OFF
               MREPODY  #FLAG X'01'               PERM OUTDATA=YES
               MREPODN  #FLAG X'02'               PERM OUTDATA=NO
               MREPODE  #FLAG X'04'               PERM OUTDATA=ERASE
               MREPBSN  #FLAG X'08'               PERM BACKSCN=NO
               MREPBSY  #FLAG X'10'               PERM BACKSCN=YES
               MREPODA  #FLAG X'20'               PERM OUTDATA=ATTR
               MREERAS  #FLAG X'80'               INPUT-FIELD-WAS-ERASED INDICATOR
000004         MREPOUTF DS    X                   PERMANENT OUTPUT FLAGS
               MRETODY  #FLAG X'01'               TEMP OUTDATA=YES
               MRETODN  #FLAG X'02'               TEMP OUTDATA=NO
               MRETODE  #FLAG X'04'               TEMP OUTDATA=ERASE
               MRETBSN  #FLAG X'08'               TEMP BACKSCN=NO
               MRETBSY  #FLAG X'10'               TEMP BACKSCN=YES
               MRETODA  #FLAG X'20'               TEMP OUTDATA=ATTR
               MRETDTR  #FLAG X'40'               TEMP INPUT DATA TRANSMITTED
               MRETOER  #FLAG X'80'               TEMP OUTPUT ERROR FLAG
000005         MRETOUTF DS    X                   TEMPORARY OUTPUT FLAGS
               MREPIDY  #FLAG X'01'               PERM INDATA=YES
               MREPIDN  #FLAG X'02'               PERM INDATA=NO
               MREPLJI  #FLAG X'04'               PERM LEFT JUSTIFY INPUT
               MREPRJI  #FLAG X'08'               PERM RIGHT JUSTIFY INPUT
               MREPNPD  #FLAG X'10'               PERM PAD=NO
               MREPPAD  #FLAG X'20'               PERM PAD=YES
               MRECHNG  #FLAG X'40'               DATA-FIELD-WAS-CHANGED INIDCATOR
               MRETRUN  #FLAG X'80'               DATA-FIELD-WAS-TRUNCATED INDICATOR
000006         MREPINF  DS    X                   PERMANENT INPUT FLAGS
               MRETIDY  #FLAG X'01'               TEMP INDATA=YES
               MRETIDN  #FLAG X'02'               TEMP INDATA=NO
               MRETLJI  #FLAG X'04'               TEMP LEFT JUSTIFY INPUT
               MRETRJI  #FLAG X'08'               TEMP RIGHT JUSTIFY INPUT
               MRETNPD  #FLAG X'10'               TEMP PAD=NO
               MRETPAD  #FLAG X'20'               TEMP PAD=YES
               MRETERR  #FLAG X'40'               FIELD IS IN ERROR FLAG
               MRECURS  #FLAG X'80'               CURSOR AT THIS DFLD FLAG
000007         MRETINF  DS    X                   TEMPORARY INPUT FLAGS
000008         MREINLEN DS    H                   LENGTH OF INPUT DATA BEFORE EDITING
00000A         MREPPADC DS    X                   PERMANENT PAD CHARACTER OVERRIDE
00000B         MRETPADC DS    X                   TEMPORARY PAD CHARACTER OVERRIDE
        0000C  MRELENR1 EQU   *-MRE
               MREPREQ  #FLAG X'01'               PERM INPUT DATA IS REQUIRED FLAG
               MREPOPT  #FLAG X'02'               PERM INPUT DATA IS OPTIONAL FLAG
               MREPMOV  #FLAG X'04'               PERM MOVE DATA OVERIDE FLAG
               MREDATA  #FLAG X'08'               NON-BLANK DATA IN FIELD     *REQDATA
               MREPEMS  #FLAG X'10'               PERM SUPRESS FIELD ERROR MSG*R102*
               MREPEMD  #FLAG X'20'               PERM DISPLAY FIELD ERROR MSG*R102*
00000C         MREPINF2 DS    X                   SECOND PERMANENT INPUT FLAG BYTE
               MRETREQ  #FLAG X'01'               TEMP INPUT DATA IS REQUIRED FLAG
               MRETOPT  #FLAG X'02'               TEMP INPUT DATA IS OPTIONAL FLAG
               MRETMOV  #FLAG X'04'               TEMP MOVE DATA OVERIDE FLAG
               MRETDIF  #FLAG X'08'               TEMP DATA IS DIFFERENT THAN *R102*
               *                                   THE DATA IN RECORD BUFFER  *R102*
               MRETEMS  #FLAG X'10'               TEMP SUPRESS FIELD ERROR MSG*R102*
               MRETEMD  #FLAG X'20'               TEMP DISPLAY FIELD ERROR MSG*R102*
00000D         MRETINF2 DS    X                   SECOND TEMPORARY INPUT FLAG BYTE
00000E         MREEX    DS    0C                  BEGINNING OF MRE EXTENSION
        0000E  MRELENR2 EQU   *-MRE
               ************************************************************************
               * MAPPING REQUEST ELEMENT EXTENSION(FOR 3279S)
               ************************************************************************
00000E                 ORG   MREEX
00000E         MREPA2ON DS    X                   PERM ATTR 2 BYTE ON
00000F         MREPA2OF DS    X                   PERM ATTR 2 BYTE OFF
000010         MRETA2ON DS    X                   TEMP ATTR 2 BYTE ON
```

```
000011         MRETA2OF DS    X                   TEMP ATTR 2 BYTE OFF
000012         MREPA3ON DS    X                   PERM ATTR 3 BYTE ON
000013         MREPA3OF DS    X                   PERM ATTR 3 BYTE OFF
000014         MRETA3ON DS    X                   TEMP ATTR 3 BYTE ON
000015         MRETA3OF DS    X                   TEMP ATTR 3 BYTE OFF
        00008  MRE1XLEN EQU   *-MREEX
        0001E  MRELNGST EQU   *-MRE+MRE1XLEN      LENGTH OF LONGEST MRE
                        PRINT GEN
```

1.88 #MSGRDS

```
                         COPY #MSGRDS
                ************************************************************************
                ***                                                                  ***
                *** MSGR:  Message reply area description..MT00 to DBRC communicate ***
                ***                                                                  ***
                ************************************************************************

Offset  Value

000000          MSGR     DSECT
000000          MSGRECB  DS    F                   ECB posted when messages complete
000004          MSGRLENT DS    F                   Total length for text
000008          MSGRLENU DS    F                   Length used for text
00000C          MSGRTEXT DS    0CL1                Start of text area
        0000C   MSGRDSLN EQU   *-MSGR              Length of MSGR dsect
                ************************************************************************
                ***                                                                  ***
                *** MSG:   Describes the message area used by DBRC                   ***
                ***                                                                  ***
                ************************************************************************
000000          MSG      DSECT
000000          MSGEYE   DS    CL4                 'MSG*' eyecatcher
000004          MSGNXTA  DS    A                   Next MSGDS area
000008          MSGPRIOR DS    A                   Prior MSGDS area
00000C          MSGDCNAM DS    CL8                 DC node name
000014          MSGID    DS    CL8                 DCMT-id (if applicable)
00001C          MSGRETA  DS    F                   Message return area
000020          MSGPARMA DS    F                   Message parm return
000024          MSGRSCA  DS    A                   Resource address or next Segment
000028          MSGNRSRS DS    A                   Next resource in segment
00002C          MSGNRSRC DS    A                   Next resource
000030          MSGOUTDS DS    A                   Address of output area DS
000034          MSGOUTWK DS    A                   Address of output work area
000038          MSGCMDCD DS    F                   Command set up return code
00003C          MSGRETCD DS    F                   Command processing return code
000040          MSGNUM1  DS    F                   Numeric field 1
000044          MSGNUM2  DS    F                   Numeric field 2
000048          MSGNUM3  DS    F                   Numeric field 3
00004C          MSGNUM4  DS    F                   Numeric field 4
000050          MSGADR1  DS    F                   Address field 1
000054          MSGADR2  DS    F                   Address field 1
000058          MSGSTG1  DS    A                   Address of Quiesce AREA storage 1
00005C          MSGSTG1N DS    A                   Next in Quiesce AREA storage 1
000060          MSGSTG2  DS    A                   Address of Quiesce AREA storage 2
000064          MSGSTG2N DS    A                   Next in Quiesce AREA storage 2
000068          MSGSTG3  DS    A                   Address of Quiesce AREA storage 3
00006C                   DS    F                   *** available ***
000070          MSGECB1  DS    F                   Quiesce AREA ECB 1 (timer)
000074          MSGECB2  DS    F                   Quiesce AREA ECB 2 (Cancel or done)
000078          MSGECB3  DS    F                   Quiesce AREA ECB 3 (Helot-2 ending)
00007C          MSGH2TCE DS    A                   MSG Helot-2 TCE address
000080          MSGH2TSK DS    F                   MSG Helot-2 task id
000084          MSGQACNT DS    H                   Quiesce Area PR60 count
000086          MSGQRETC DS    H                   Quiesce Area #XESLOCK return code
000088          MSGQRSNC DS    H                   Quiesce Area #XESLOCK reason code
00008A          MSGABEND DS    X                   MSG abend count incremented by STAE
00008B          MSGRESTP DS    X                   LMGR Resource ID
00008C          MSGRES1  DS    F                   LMGR Resource word 1
000090          MSGRES2  DS    F                   LMGR Resource word 2
000094          MSGQFCNT DS    H                   Quiesce Area FC59 count
000096          MSGQSCNT DS    H                   Quiesce Area shared areas count
000098          MSGFLG1  DS    X                   Flag byte 1
        00080   MSGFIN   EQU   X'80'               Message has been processed
```

```
Offset  Value

        00040  MSGSTRT  EQU   X'40'               Message connected to resource
        00020  MSGPROC  EQU   X'20'               Processing has begun
        00010  MSGPHONY EQU   X'10'               Phony 'DCMT D JOURNAL' msg for TNG
        00008  MSGDISP  EQU   X'08'               We've started the display
        00002  MSGSEG   EQU   X'02'               Vary Segment
000099         MSGFLG2  DS    X                   Flag byte 2
        00080  MSGVDMC  EQU   X'80'               VARY DMCL
        00040  MSGVDUS  EQU   X'40'               VARY DMCL - USER CONNECT
        00020  MSGBLD1  EQU   X'20'               VARY DMCL has called BLDR
        00010  MSGBLD2  EQU   X'10'               BLDR called a 2nd time
        00008  MSGVSTRT EQU   X'08'               We've started the VARY
        00004  MSGVPROC EQU   X'04'               We're continuing to process
        00002  MSGVFIN  EQU   X'02'               We're finished
00009A         MSGFLG3  DS    X                   Flag byte 3
        00080  MSGERRN2 EQU   X'80'               MSGNAME2 length is greater than max
        00040  MSGQUIS1 EQU   X'40'               Area(s) Quiescing (Local or Global)
        00020  MSGQUIS2 EQU   X'20'               Area(s) Quiesced (Local)
        00010  MSGQUIS3 EQU   X'10'               Area(s) Quiesced (Global)
        00008  MSGABORT EQU   X'08'               Area(s) Quiesce Aborted
        00004  MSGQDONE EQU   X'04'               Area(s) Quiesce Completed
        00002  MSGQPART EQU   X'02'               Global Quiesce participant MSG
        00001  MSGQSTRT EQU   X'01'               Quiesce participant built by STARTUP
00009B         MSGFLG4  DS    X                   Flag byte 4
        00080  MSGXLOCK EQU   X'80'               XES lock held on Global Quiesce id
        00040  MSGLMGR  EQU   X'40'               Area Quiesce Helot-2 doing LMGR lock
        00020  MSGWAIT1 EQU   X'20'               At least 1 member failed Quiesce
        00010  MSGNODSP EQU   X'10'               On if JSWAP not to do Disp Journal
        00008  MSGVCANC EQU   X'08'               On if VARY is to be cancelled
        00004  MSGVAREA EQU   X'04'               On if VARY AREA built b VARY SEGMENT
        00002  MSGWAIT2 EQU   X'02'               On if Quiesce waiting on MSGECB3
00009C         MSGFLG5  DS    X                   Flag byte 5
00009D         MSGFLG6  DS    X                   Flag byte 6
00009E         MSGFLG7  DS    X                   Flag byte 7
00009F         MSGFLG8  DS    X                   Flag byte 8
0000A0         MSGPR60A DS    A                   Address of PR60 for VARY AREA
0000A4         MSGRUTYP DS    XL10                Preallocated run unit types
0000AE                  DS    H                   *** available ***
0000B0                  DS    10F                 *** available ***
0000D8         MSGWORK  DS    XL4                 Temp hold of major/minor codes
0000DC         MSGMSG   DS    CL40                Message
000104         MSGKWDS  DS    XL16                Keywords
               *-------------------------------------------------------------------*
               * *** Equates for keywords supported by Quiesce Area/Segment/Dbname
               *-------------------------------------------------------------------*
        00001  MSGKWAIT EQU   1                   WAIT
        00002  MSGKIMM  EQU   2                   IMMEDIATE (also used by Vary Area)
        00003  MSGKNOH  EQU   3                   NOHOLD
        00004  MSGKHOLD EQU   4                   HOLD
        00005  MSGKNOSW EQU   5                   NOSWAP
        00006  MSGKSWAP EQU   6                   SWAP
        00007  MSGKID   EQU   7                   ID (also used by Vary Area)
        00008  MSGKEND  EQU   8                   END
        00009  MSGKFORC EQU   9                   FORCE
               *-------------------------------------------------------------------*
               * *** Equates for keywords supported by Vary CSAflagname
               *-------------------------------------------------------------------*
        00001  MSGKON   EQU   1                   ON
        00002  MSGKOFF  EQU   2                   OFF
               *-------------------------------------------------------------------*
               * *** Equates for keywords supported by Vary Area
               *-------------------------------------------------------------------*
        00001  MSGKPERM EQU   1                   PERMANENT
               *  MSGKID and MSGKIMM are used by both Vary Area and Quiesce Area
000114         MSGP1L   DS    XL1                 Length of parm for WTL
000115         MSGP1T   DS    CL54                Parm text for WTL
00014B         MSGP2L   DS    XL1                 2nd parm for WTL
```

```
Offset  Value

00014C          MSGP2T   DS    CL28
000168                   DS    0F
000168          MSGANAME DS    0CL27               AREA name
000168          MSGFNAME DS    0CL27               FILE name
000168          MSGJNAME DS    0CL27               JOURNAL name
000168          MSGBNAME DS    0CL18               BUFFER name
000168          MSGSNAME DS    0CL8                SEGMENT name
000168          MSGDNAME DS    0CL8                DBNAME name
000168          MSGNAME1 DS    CL27                Name field 1
000183                   DS    X                   *** available ***
000184                   ORG   MSGP2T+2
00014E          MSGN10D  DS    0CL10
00014E                   ORG   MSGP2T+3
00014F          MSGN9D   DS    0CL9
00014F                   ORG   MSGP2T+4
000150          MSGN8D   DS    0CL8
000150                   ORG   MSGP2T+5
000151          MSGN7D   DS    0CL7
000151                   ORG   MSGP2T+6
000152          MSGN6D   DS    0CL6
000152                   ORG   MSGP2T+7
000153          MSGN5D   DS    0CL5
000153                   ORG   MSGP2T+8
000154          MSGN4D   DS    0CL4
000154                   ORG   MSGP2T+9
000155          MSGN3D   DS    0CL3
000155                   ORG   MSGP2T+10
000156          MSGN2D   DS    0CL2
000156                   ORG   MSGP2T+11
000157          MSGN1D   DS    0CL1
000157                   ORG
000184          MSGCACHE DS    0CL16               Shared cache name
000184          MSGNAME2 DS    CL16                Name field 2
000194          MSGNAME3 DS    CL32                Name field 3 (not currently used)
        001B4   MSGLENL  EQU   *-MSG               Length of MSG dsect
                         END
JDRHNAME     F    3689 3743  3774
JDRSRUTB     F    3823 3832
JDRSSTRT     F    3796 3800
JTR          F    3480 3486  3504  3554  3570  3578  3595  3604  3644  3659  3673  3737
                       3780  3791
JTRCEND1     F    3515 3600  3609  3617  3786
JTRCEND2     F    3520 3559
JTRCEND3     F    3532 3583
JTRCKTB      F    3837 3840
JTRJMDAT     F    3624 3628  3648  3663
JTRRLEN      F    3505 3680
JTRSEQ       F    3509 3785
JTRTRLEN     F    3487 3500
JXITEP1      0     591  591
KEEPEP1      0     552  552
K0           F    2706 2710
K2           F    2718 2728  2730
LIMTEP1      0     611  611
LINREP1      0     584  584
LK00EP1      0     638  638
LOADEP1      0     642  642
LOADEP2      0     643  643
LOCKEP1      0     619  619
LODRDELE     0     544  544
LODRLOAD     0     543  543
LODRSET      0     571  571
LTE          F    3844 3950
LTECBATM     F    4026 4044
LTECURHM     F    4452 4461
LTECURQM     F    4449 4461
```

```
Offset  Value

LTECURRM     F    4455 4461
LTECURWM     F    4458 4461
LTEFIXLN     F    3950 3951  4492
LTEINTLN     F    4139 4492
LTEPRIM      F    4075 4078  4139  4141  4149  4483  4490
LTEPRMLN     F    4076 4492
LTEQEND      F    4344 4351
SYSTEM:        ME: WYM$DB1     STEPNAME: REF01      PROCSTEP: C
Datasets
 Con DDn                          Volume  Member
  P1 SYS     B 0000101.?
  L1 SYS     R                    RIG008
  L2                              MVR2AB
     SYS     1 $DB1.OBJ.H03
     SYS     B 0000102.?

    756K     r    1013K would be required for this to be an In-Storage Assembly
     45      d    4815 Library Records Read                 50 Work File Reads
      0      d    4982 Primary Print Records Written        66 Work File Writes
      0      e       0 ADATA Records Written
Assembly     3  10.31.35 Processor Time: 00.00.00.1103
Return C
```

1.89 #NVWKDS

```
                    COPY #NVWKDS

Offset  Value

               *
               *
               *   THE FOLLOWING DEFINES NATIVE VSAM DBIO WORK FIELDS
               *
               *
000000         NVDBIOWK DSECT                          12/06/88 10:43:16   10/25/90
000000         NVSAMCDE DS    H                   CODE FOR REQUESTED FUNCTION
000002         NVMRPLSW DS    CL1                 MODIFY RPL SWITCH
000003         NVMODE   DS    CL1                 PROCESSING MODE FOR REQUEST
000004         NVLOCSW  DS    CL1                 LOC MODE SWITCH
000005         NVPTSW   DS    CL1                 POINT REQUEST SWITCH
000006         NVXERRSW DS    CL1                 EXIT PROCESSING ERROR SWITCH
000007         NVWAITM  DS    CL1                 WAIT TIME
000008         NVCRD    DS    F                   -→ CURRENT SR51
00000C         NVVAREA  DS    F                   -→ CURRENT VARIABLE AC56
000010         NVMAPPAG DS    F                   PAGE USED FOR MAPPING REQUEST
000014         NVSETNAM DS    CL18                SET NAME FOR THE REQUEST
000026         NVOPNMD  DS    CL1                 FILE OPEN MODE
000027                  DS    CL1                 RESERVED
000028         NVSAMARG DS    CL255               VSAM RBA OR KEY FOR THE REQUEST
000127         NVWKAREC DS    CL1                 IDMSAREC FLAG
        00127  NVWKNUS2 EQU   NVWKAREC            ** TEMPORARY **
000128         NVRECBFR DS    F                   -→ RECORD BUFFER
00012C         NVRECLEN DS    F                   RECORD LENGTH
000130         NVSTATUS DS    F                   STATUS/RETURN CONDITION
000134         NVRBA    DS    F                   VSAM RBA OF LAST RECORD PROCESSED
000138         NVCNVS   DS    F                   -→ CURRENT AREA STORAGE
00013C         NVCRPL   DS    F                   -→ CURRENT RPL
000140         NVCNVCT  DS    F                   -→ CURRENT NVCT
000144         NVCNVCTE DS    F                   -→ CURRENT NVCT ENTRY
000148         NVSAMR15 DS    F                   R15 RETURN CODE FOR VSAM MACRO ERROR
00014C         NVMACROA DS    F                   LINK ADDRESS FOR VSAM MACRO ERROR
000150         NVSAMR0  DS    F                   R0 ERROR CODE FOR ERROR WITH
               *                                  GENCB,MODCB, OR SHOWCB MACRO
000154         NVERROR  DS    F                   ERROR CODE FOR OPEN OR CLOSE MACRO
000158         NVFEEDBK DS    F                   ERROR CODE FOR CHECK MACRO
00015C         NVSAMSAV DS    18F                 SAVE AREA FOR DOS EXIT
0001A4         NVSAMTYP DS    F                   VSAM FILE TYPE
0001A8         NVBUFNI  DS    F                   NUMBER OF INDEX BUFFERS
0001AC         NVSTRNO  DS    F                   NUMBER OF STRINGS
0001B0         NVREGSAV DS    5F                  SAVE AREA FOR WORK REGISTERS
0001C4         NVRECPTR DS    F                   -→ BUFFER USED BY RECOVERY
        001C8  NVWKLEN  EQU   *-NVDBIOWK          LENGTH OF NATIVE VSAM DBIO WORK
               *
```

1.90 #OLMDS

```
                         COPY #OLMDS
                ********************************************************************
                ***  #OLMDS DESCRIBES ONLINE MAPPING SYSGEN OPTIONS               ***
                ********************************************************************

Offset  Value

000000          OLM      DSECT                           11/13/89 10:26:29   10/17/90
                         PRINT NOGEN
                OLMFAS   #FLAG X'01'           PROCESSING MODE IS FAST
                OLMDECC  #FLAG X'02'           DECIMAL POINT IS COMMA
                OLMNREV  #FLAG X'04'           NUMERIC FIELDS REVERSED
                OLMNEWC  #FLAG X'08'           MARK MAP AS NEW COPY AFTER GENERATE
000000          OLMFLAGS DS    X               FLAGS FOR OLM OPTIONS
000001          OLMFM    DS    X               FIELD MARK CHAR
000002          OLMFO    DS    X               FIELD MODIFY CHAR
000003          OLMDL    DS    X               DELIMIT CHARACTER
000004          OLMDF    DS    X               DATA FIELD CHARACTER
000005          OLMQUEUE DS    X               QUEUE RETENTION PERIOD
                ***      FOLLOWING FIELDS ARE USED TO DEFINE A MAP PAGING SESSION
000006          OLMPGFWD DS    X               PFKEY TO PAGE FORWARD
000007          OLMPGBWD DS    X               PFKEY TO PAGE BACKWARD
000008          OLMPGSTR DS    H               MAX AMT OF STORAGE PER PAGING SESSION
00000A          OLMUNTRN DS    X               UNTRANSLATABLE CONVERSION CHARACTER
00000B          OLMINITC DS    CL1             INITIALIZATION CHARACTER
00000C          OLMKFM   DS    X               KANJI FIELD MARK CHAR             KANJ
00000D          OLMKFO   DS    X               KANJI FIELD MODIFY CHAR           KANJ
00000E          OLMKDL   DS    X               KANJI DELIMIT CHARACTER           KANJ
00000F          OLMKDF   DS    X               KANJI DATA FIELD CHARACTER        KANJ
000010          OLMPAD   DS    X               PAD CHARACTER
                OLMDSK   #FLAG X'08'           DELIMIT SKIP
                OLMDY    #FLAG X'04'           DELIMIT YES
                OLMEDT   #FLAG X'02'           EDIT YES
                OLMPSET  #FLAG X'01'           PAD CHARACTER SET
000011          OLMFLAG2 DS    X
000012          OLMHLPFK DS    CL1             HELP PFKEY
000013                   DS    CL13            RESERVED
        00020   OLMDSLEN EQU   *-OLM           LEN OF DSECT
                         PRINT GEN
```

1.91 #OLMMQR

```
                         COPY #OLMMQR
                 ***********************************************************************
                 ***                                                                 ***
                 ***   ON-LINE MAPPING MAP QUEUE RECORD FOUNDATION                   ***
                 ***                                                                 ***
                 ***********************************************************************

Offset  Value

                         PRINT NOGEN
000000           MQR     DSECT                                                  04/03/95
000000           MQRLLEN DS    H                  MAP LINE LENGTH
000002           MQRPLEN DS    H                  MAP PAGE LENGTH
                 *
000004           MQRQLEN DS    F                  LENGTH OF QUEUE - LIT POOL LENGTH
                 *
                 MQR1240 #FLAG X'80'              12 X 40 SCREEN
                 MQR1280 #FLAG X'40'              12 X 80 SCREEN
                 MQR2480 #FLAG X'20'              24 X 80 SCREEN
                 MQR3280 #FLAG X'10'              32 X 80 SCREEN
                 MQR4380 #FLAG X'08'              43 X 80 SCREEN
                 MQRLINE #FLAG X'04'              LINE BY LINE
                 MQR2713 #FLAG X'02'              27 X 132 SCREEN
000008           MQRDEVS DS    X                  DEVICES FOR MAP
                 *
                 MQRCOPY #FLAG X'80'              MAP IS BEING COPIED
                 MQRCRE  #FLAG X'40'              MAP IS BEING CREATED
                 MQRUPDT #FLAG X'20'              MQR NEEDS TO BE REWRITTEN
                 MQRNEWQ #FLAG X'10'              THIS MQR HAS NOT BEEN #PUTQUE'D
                 MQRSEQC #FLAG X'08'              MFCB'S ARE SORTED IN COL/ROW SEQ
                 *                                IF NOT ON, MFCB'S ARE IN ROW/COL SEQ
                 MQRLMCR #FLAG X'04'              LOAD MODULE IS BEING CREATED
                 MQRCOLL #FLAG X'02'              COLLECTED QUEUE
                 MQRCPDF #FLAG X'01'              THIS QUE IS CREATED VIA COPY 'DEF'
000009           MQRFLAG1 DS   XL1                FLAG BYTE
                 *
                 MQREALM #FLAG X'80'              SOUND ALARM ON EDIT ERROR
                 MQRNEDT #FLAG X'40'              NOEDIT REQUESTED
                 MQRPAGE #FLAG X'20'              THIS IS A PAGEABLE MAP
                 MQRKANJ #FLAG X'10'              MAP CONTAINS KANJI FIELDS
                 MQRDPCA #FLAG X'08'              DECIMAL POINT IS COMMA
                 MQRFILE #FLAG X'04'              EXT FILE ACCESS MAP
                 MQRVLA  #FLAG X'02'              MAP CONTAINS VAR LENGTH ARRAY
                 MQRVTX  #FLAG X'01'              VIDEOTEX MAPfile         VTX
00000A           MQRFLAG2 DS   XL1
                 *
                 MQR40C  #FLAG X'10'              40 CHAR PRINT LINE
                 MQR64C  #FLAG X'20'              60 CHAR PRINT LINE
                 MQR80C  #FLAG X'40'              80 CHAR PRINT LINE
                 MQRSTPR #FLAG X'08'              START PRINTER
                 MQRALRM #FLAG X'04'              SOUND ALARM
                 MQRRSTK #FLAG X'02'              RESET KEYBOARD
                 MQRRSTM #FLAG X'01'              RESET MDT'S
00000B           MQRWCC  DS    XL1                WCC
                 *
00000C           MQRDICT DS    XL8
000014           MQRNODE DS    XL8
                 *
00001C           MQRMRCBA DS   A                  OFFSET TO FIRST MRCB
000020           MQRMRCBZ DS   A                  OFFSET TO LAST MRCB IN LIST
000024           MQRMFCBA DS   A                  OFFSET TO FIRST MFCB
000028           MQRMFCBZ DS   A                  OFFSET TO LAST MFCB
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00002C         MQRMSCBA DS    A                   OFFSET TO FIRST MSCB
000030         MQRMSCBZ DS    A                   OFFSET TO LAST MSCB
000034         MQRMRCBN DS    H                   NUMBER OF MRCB'S
000036         MQRMSCBN DS    H                   NUMBER OF MSCB'S
               *
000038         MQRDFLN  DS    H                   TOTAL OF ALL MFCBFLEN(NON-LITS)
00003A         MQRLTLN  DS    H                   TOTAL OF ALL MFCBFLEN(LITS)
00003C         MQRMFCBN DS    H                   NUMBER OF MFCB'S
00003E         MQRCURSA DS    H                   MAP'S CURSOR ADDRESS
000040         MQRCURSF DS    CL32                PFLD NAME OF CURSOR OWNER
000060                  ORG   MQRCURSA            FOR EXT FILE ACCESS MAPS:
00003E         MQRFILEV DS    H                   EXTERNAL FILE VERSION
000040         MQRFILEN DS    CL32                EXTERNAL FILE NAME
               * LITERAL POOL ATTRIBUTES
000060         MQRPOOLA DS    A                   ADDRESS OF TEXT POOL
000064         MQRPLNXT DS    A                   OFFSET TO NEXT AVAILABLE SLOT
000068         MQRPLLEN DS    A                   LENGTH OF TOTAL POOL
               *
00006C         MQRONOFF DS    0XL12              EDIT ERROR ON/OFF BYTES
00006C         MQRIONOF DS    0XL6                INCORRECT FIELDS
00006C         MQRION1  DS    X                    ATTR BYTE 1 ON FOR INCORRECT FLDS
00006D         MQRION2  DS    X                    ATTR BYTE 2 ON FOR INCORRECT FLDS
00006E         MQRION3  DS    X                    ATTR BYTE 3 ON FOR INCORRECT FLDS
00006F         MQRIOF1  DS    X                    ATTR BYTE 1 OFF FOR INCORRECT FLDS
000070         MQRIOF2  DS    X                    ATTR BYTE 2 OFF FOR INCORRECT FLDS
000071         MQRIOF3  DS    X                    ATTR BYTE 3 OFF FOR INCORRECT FLDS
000072         MQRCONOF DS    0XL6                CORRECT FIELDS
000072         MQRCON1  DS    X                    ATTR BYTE 1 ON FOR CORRECT FLDS
000073         MQRCON2  DS    X                    ATTR BYTE 2 ON FOR CORRECT FLDS
000074         MQRCON3  DS    X                    ATTR BYTE 3 ON FOR CORRECT FLDS
000075         MQRCOF1  DS    X                    ATTR BYTE 1 OFF FOR CORRECT FLDS
000076         MQRCOF2  DS    X                    ATTR BYTE 2 OFF FOR CORRECT FLDS
000077         MQRCOF3  DS    X                    ATTR BYTE 3 OFF FOR CORRECT FLDS
000078         MQRIATTR DS    0XL4               ATTRIBUTE WORD FOR INCORRECT FIELDS
               MQRIWHI  #FLAG X'01'              WHITE
000078         MQRIFLG1 DS    X'00'
               MQRIYEL  #FLAG X'80'              YELLOW
               MQRIABY  #FLAG MQRIANYM-MQRIYELM  ANYTHING BUT YELLOW
               MQRITUR  #FLAG X'40'              TURQUOISE
               MQRIABT  #FLAG MQRIANYM-MQRITURM  ANYTHING BUT TURQUOISE
               MQRIGRE  #FLAG X'20'              GREEN
               MQRIABG  #FLAG MQRIANYM-MQRIGREM  ANYTHING BUT GREEN
               MQRIPIN  #FLAG X'10'              PINK
               MQRIABP  #FLAG MQRIANYM-MQRIPINM  ANYTHING BUT PINK
               MQRIRED  #FLAG X'08'              RED
               MQRIABR  #FLAG MQRIANYM-MQRIREDM  ANYTHING BUT RED
               MQRIBLU  #FLAG X'04'              BLUE
               MQRIABB  #FLAG MQRIANYM-MQRIBLUM  ANYTHING BUT BLUE
               MQRINOC  #FLAG X'02'              NO-COLOR
               MQRIABN  #FLAG MQRIANYM-MQRINOCM  ANYTHING BUT NO-COLOR
               MQRIANY  #FLAG X'FE'              ANY COLOR (BUT WHITE)
               MQRINUS  #FLAG X'01'              NO UNDERSCORE
000079         MQRIFLG2 DS    X'00'
               MQRIUSC  #FLAG X'80'              UNDERSCORE
               MQRINRV  #FLAG X'40'              NO REVERSE VIDEO
               MQRIREV  #FLAG X'20'              REVERSE VIDEO
               MQRINBK  #FLAG X'10'              NO BLINK
               MQRIBLK  #FLAG X'08'              BLINK
               MQRINMD  #FLAG X'04'              RESET MDT ON INPUT
               MQRIMDT  #FLAG X'02'              SET MDT ON INPUT
               MQRIBRT  #FLAG X'01'              BRIGHT
00007A         MQRIFLG3 DS    X'00'
               MQRIDTC  #FLAG X'80'              SENSITIVE TO LIGHT PEN
               MQRIDRK  #FLAG X'40'              DARK
               MQRIDSP  #FLAG X'20'              DISPLAY
               MQRIUPR  #FLAG X'10'              UNPROTECTED
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                MQRIPRT  #FLAG X'08'              PROTECTED
                MQRINUM  #FLAG X'04'              NUMERIC
                MQRIALP  #FLAG X'02'              ALPHANUMERIC
                MQRISKP  #FLAG X'01'              SKIP
00007B          MQRIFLG4 DS    X'00'
00007C          MQRCATTR DS    0XL4               ATTRIBUTE WORD FOR CORRECT FIELDS
                MQRCWHI  #FLAG X'01'              WHITE
00007C          MQRCFLG1 DS    X'00'
                MQRCYEL  #FLAG X'80'              YELLOW
                MQRCABY  #FLAG MQRCANYM-MQRCYELM  ANYTHING BUT YELLOW
                MQRCTUR  #FLAG X'40'              TURQUOISE
                MQRCABT  #FLAG MQRCANYM-MQRCTURM  ANYTHING BUT TURQUOISE
                MQRCGRE  #FLAG X'20'              GREEN
                MQRCABG  #FLAG MQRCANYM-MQRCGREM  ANYTHING BUT GREEN
                MQRCPIN  #FLAG X'10'              PINK
                MQRCABP  #FLAG MQRCANYM-MQRCPINM  ANYTHING BUT PINK
                MQRCRED  #FLAG X'08'              RED
                MQRCABR  #FLAG MQRCANYM-MQRCREDM  ANYTHING BUT RED
                MQRCBLU  #FLAG X'04'              BLUE
                MQRCABB  #FLAG MQRCANYM-MQRCBLUM  ANYTHING BUT BLUE
                MQRCNOC  #FLAG X'02'              NO-COLOR
                MQRCABN  #FLAG MQRCANYM-MQRCNOCM  ANYTHING BUT NO-COLOR
                MQRCANY  #FLAG X'FE'              ANY COLOR (BUT WHITE)
                MQRCNUS  #FLAG X'01'              NO UNDERSCORE
00007D          MQRCFLG2 DS    X'00'
                MQRCUSC  #FLAG X'80'              UNDERSCORE
                MQRCNRV  #FLAG X'40'              NO REVERSE VIDEO
                MQRCREV  #FLAG X'20'              REVERSE VIDEO
                MQRCNBK  #FLAG X'10'              NO BLINK
                MQRCBLK  #FLAG X'08'              BLINK
                MQRCNMD  #FLAG X'04'              RESET MDT ON INPUT
                MQRCMDT  #FLAG X'02'              SET MDT ON INPUT
                MQRCBRT  #FLAG X'01'              BRIGHT
00007E          MQRCFLG3 DS    X'00'
                MQRCDTC  #FLAG X'80'              SENSITIVE TO LIGHT PEN
                MQRCDRK  #FLAG X'40'              DARK
                MQRCDSP  #FLAG X'20'              DISPLAY
                MQRCUPR  #FLAG X'10'              UNPROTECTED
                MQRCPRT  #FLAG X'08'              PROTECTED
                MQRCNUM  #FLAG X'04'              NUMERIC
                MQRCALP  #FLAG X'02'              ALPHANUMERIC
                MQRCSKP  #FLAG X'01'              SKIP
00007F          MQRCFLG4 DS    X'00'
000080          MQRFDOFF DS    H                   OFFSET TO FIRST DEP ON OCC
000082          MQRFGLEN DS    H                   LENGTH OF ONE DEPEND OCCUR
000084          MQRFDMAX DS    H                   MAXIMUM OCCURANCES IN DEP
000086          MQRMPFX  DS    CL2                 MAP LEVEL MSG PREFIX
000088          MQRFDOMO DS    F                   OFFSET TO DEPENDING ON MCE
                MQRHEL   #FLAG X'80'               HELP OPTION REQUESTED
                MQRFUL   #FLAG X'40'               FULL SCREEN FORMAT
                MQRINC   #FLAG X'20'               INCLUDE IDD MODULE
                MQRHRDY  #FLAG X'10'               HELP READY TO GENERATE HELP MODULE
                MQRDHQ   #FLAG X'08'               HELP QUE HAS BEEN DECOMPILED
                MQRDUNT  #FLAG X'04'               DROP HELP UNIT
                MQRNHQR  #FLAG X'02'               NEW HELP QUEUE RECORD
                MQRDINC  #FLAG X'01'               DROP INCLUDE IDD MODULE
00008C          MQRHFLG1 DS    X                   MAP LEVEL HELP FLAG 1
                MQRMSG   #FLAG X'80'               $MESSAGE EXISTS FOR THIS MAP
                MQRRESP  #FLAG X'40'               $RESPONSE EXISTS FOR THIS MAP
                MQR$PG   #FLAG X'20'               $PAGE EXISTS FOR THIS MAP
                MQRSDTL  #FLAG X'08'               START DETAIL SPECIFIED
                MQREDTL  #FLAG X'04'               END DETAIL SPECIFIED
                MQRFTRS  #FLAG X'02'               FOOTER START SPECIFIED
                MQRODTL  #FLAG X'01'               ONLY DETATIL SPECIFIED
                MQRPG    #FLAG MQRSDTLM+MQREDTLM+MQRFTRSM+MQRODTLM
00008D          MQRFLDG3 DS    X                   MQR FLAG #3
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00008E         MQRMRCBD DS    H                  NUMBER OF MRCB'S LOGICALLY DELETED
000090         MQRHQRL  DS    F                  HELP QUEUE RECORD LENGTH
000094         MQRHNAME DS    CL8                HELP UNIT (LOAD MODULE) NAME
00009C         MQRHPFKY DS    CL1                HELP PFKEY
00009D                  DS    X                  AVAILABLE
00009E         MQRHIDDV DS    H                  IDD HELP MODULE VERSION
0000A0         MQRUSER  DS    CL32               USER ID (WHO CHECKED THE MAP OUT)
               MQRDIRT  #FLAG X'80'              QUE HAS BEEN CHANGED AFTER CHECKOUT
               MQRCLN   #FLAG X'40'              QUE IS CLEAN
               MQRRWRT  #FLAG X'20'              QUE MUST BE REWRITTEN REGARDLES
               *                                   ANY CHANGES HAVE BEEN MADE
               MQRECHK  #FLAG X'10'              QUE WAS CHECKED OUT DUE TO
               *                                  EXPLICIT REQUEST STAR# 1085848
0000C0                  DS    X
0000C1                  DS    CL7                RESERV
0000C8         MQRHIDD  DS    CL32               IDD HELP MODULE NAME
               *
               MQRRC    #FLAG X'80'              RECORD-ELEMENT COMMENTS
               MQRMP    #FLAG X'40'              MAP COMMENTS
               MQRRE    #FLAG X'20'              RECORD-ELEMENT COMMENTS
               MQREC    #FLAG X'10'              ELEMENT COMMENTS
               MQRMI    #FLAG X'08'              MESSAGE RECORD TO OBTAIN
               MQRET    #FLAG X'04'              EDIT TABLE LOAD
               MQRCT    #FLAG X'02'              CODE TABLE LOAD
               MQROM    #FLAG X'01'              TEXT ENTERED VIA OLM
0000E8         MQRHFLG2 DS    X                  MAP LEVEL HELP FLAG 2
               MQRDRC   #FLAG X'80'              DROP RECORD-ELEMENT COMMENTS
               MQRDMP   #FLAG X'40'              DROP MAP COMMENTS
               MQRDRE   #FLAG X'20'              DROP RECORD-ELEMENT COMMENTS
               MQRDEC   #FLAG X'10'              DROP ELEMENT COMMENTS
               MQRDMI   #FLAG X'08'              DROP MESSAGE RECORD
               MQRDET   #FLAG X'04'              DROP EDIT TABLE
               MQRDCT   #FLAG X'02'              DROP CODE TABLE
               MQRDAT   #FLAG X'01'              DROP TEXT ENTERD VIA OLM
0000E9         MQRHFLG3 DS    X                  MAP LEVEL HELP FLAG 3
0000EA                  DS    XL2                AVAILABLE
0000EC         MQRTDST  DS    0CL16              DATE/TIME STAMP:
0000EC         MQRDATE  DS    CL8                MM/DD/YY
0000F4         MQRTIME  DS    CL8                HHMMSSTT
0000FC         MQRDATCR DS    CL8                DATE MAP CREATED
000104         MQRDATLU DS    CL8                DATE MAP LAST UPDATED
00010C         MQRPREBY DS    CL8                MAP PREPARED BY
000114         MQRREVBY DS    CL8                MAP REVISED BY
00011C         MQRDESCR DS    CL40               MAP DESCRIPTION
000144         MQRMPDAT DS    CL8                MAP DATE COMPILED
00014C         MQRMPTIM DS    CL8                MAP TIME COMPILED
000154         MQRMPNAM DS    CL8                MAP NAME
00015C         MQRMPVER DS    CL2                MAP VERSION
00015E         MQRMPFCT DS    CL2                NUMBER OF NONLITERAL FIELDS
000160         MQRMPRCT DS    CL2                NUMBER OF RECORDS ASSOCIATED
000162         MQRNHL   DS    H                  NUMBER OF HELP TEXT LINES
000164         MQRCURHD DS    H                  MAP'S CURSOR ADDRESS     **MAPS/48**
000166                  DS    CL24               AVAILABLE
               *
        000F0  MQRESTL  EQU   (*-MQRMRCBD)       OLMPFORM MQR REBUILD LENGTH  MAPS/87
               *                                 ALLOWS FOR BASE MQR EXPANSION
        00180  MQRDSLEN EQU   ((*-MQR+3)/4)*4    LENGTH OF FOUNDATION  DSECT
               ************************************************************************
               ***                                                                  ***
               ***   ON-LINE MAPPING MAP RECORD CONTROL BLOCK                       ***
               ***                                                                  ***
               ************************************************************************
000000         MRCB     DSECT
000000         MRCBNXTA DS    A                  OFFSET TO NEXT MRCB
000004         MRCBRECD DS    0C                 RECORD NAME AND VERSION
```

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000004          MRCBRECN DS    CL32                MAP RECORD NAME
000024          MRCBVER  DS    H                   MAP RECORD VERSION
        00022   MRCBRECL EQU   *-MRCBRECD          LENGTH OF NAME AND VERSION
000026          MRCBRIDX DS   H                    RECORD INDEX
000028                   DS   F                    UNUSED
00002C          MRCBROLN DS   CL32                 ROLE NAME (IF PRESENT)
                **
                MRCBDEL  #FLAG X'80'               RECORD IS LOGICALLY DELETED
                MRCBNEW  #FLAG X'40'               RECORD CREATED VIA REC SCREEN/COPY
                MRCBDIC  #FLAG X'20'               RECORD CREATED VIA DICT/DATASTORE
                MRCBFLE  #FLAG X'10'               EXTERNAL FILE RECORD
                MRCBCPY  #FLAG X'08'               MRCB WAS CREATED AS A RESULT OF COPY
00004C          MRCBFLG1 DS   X                    FLAG BYTE
        000A0   MRCBKEEP EQU   MRCBDICM+MRCBDELM   KEEP MFCB AROUND UNTIL GENERATE
                *                                  SO WE KNOW EXPLICITELY WHAT TO DEL
00004D                   DS   3X                   RESERVED
000050          MRCBDBKY DS   F                    DBKEY OF MAPRCD-125 (IDMSR ENV ONLY)
        00054   MRCBDSLN EQU   ((*-MRCB+3)/4)*4    LENGTH OF DSECT
                ************************************************************************
                ***                                                                  ***
                ***   ON-LINE MAPPING MAP FIELD CONTROL BLOCK                        ***
                ***                                                                  ***
                ************************************************************************
000000          MFCB     DSECT
000000          MFCBNXTA DS    A                   OFFSET TO NEXT MFCB
000004          MFCBPRVA DS    A                   OFFSET TO PREVIOUS MFCB
000008          MFCBPFLD DS    CL32                PFLD NAME OF THIS MFLD
000028          MFCBPOCC DS    H                   PFLD SUBSCRIPT (BATCH MAPPING)
                MFCBBOT  #FLAG X'01'               BOTTOM OUTLINING
                MFCBRGT  #FLAG X'02'               RIGHT OUTLINING
                MFCBTOP  #FLAG X'04'               TOP OUTLINING
                MFCBLFT  #FLAG X'08'               LEFT OUTLINING
                MFCBVDS  #FLAG X'10'               Double size               VTX
                MFCBVDH  #FLAG X'20'               double height             VTX
                MFCBVDW  #FLAG X'40'               double width              VTX
                MFCBVCG  #FLAG X'80'               Graphical character set   VTX
00002A          MFCBATT4 DS    XL1
        00001   MFCBPFL4 EQU   *-MFCBATT4          USED FOR COMPARE(BEWARE OF CHG)
                MFCBDBC  #FLAG X'01'               DBCS
00002B          MFCBATT5 DS    XL1
        00001   MFCBPFL5 EQU   *-MFCBATT5          USED FOR COMPARE(BEWARE OF CHG)
                *
00002C          MFCBDBKY DS    F                   DBKEY OF MAPFLD-124 (IDMSR ENV ONLY)
                *
000030                   DS    H            UNUSED
000032          MFCBHIDV DS    H                   IDD HELP MODULE VERSION
000034          MFCBFLEN DS    H                   LENGTH OF FIELD
000036          MFCBBUFA DS    H                   3270-FORMAT BUFFER ADDR OF FIELD
000038          MFCBBOFF DS    H                   BUFFER OFFSET OF FIELD
00003A          MFCBFEND DS    H                   OFFSET OF LAST CHAR IN FIELD
                *
00003C          MFCBRC   DS    0H                  ROW/COL ADDRESS OF ATTRIBUTE
00003C          MFCBROW  DS    X                   ROW
00003D          MFCBCOL  DS    X                   COL
00003E                   ORG   MFCBRC
00003C          MFCBEROF DS    H                   EXTERNAL FILE RECORD OFFSET
                *
                MFCBPRT  #FLAG X'20'               PROTECTED FIELD
                MFCBNUM  #FLAG X'10'               NUMERIC
                MFCBNDI  #FLAG X'0C'               NON DISPLAY/NON DETECTABLE
                MFCBBRT  #FLAG X'08'               HI INTENSITY
                MFCBDID  #FLAG X'04'               DISPLAY/DETECTABLE
                MFCBMDT  #FLAG X'01'               MDT ON
00003E          MFCBATTR DS    XL1                 FIELD ATTRIBUTE BYTE
        00003   MFCBPFL1 EQU   *-MFCBRC            USED FOR COMPARE(BEWARE OF CHG)
                MFCBBLK  #FLAG X'F1'               BLINK
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```
                MFCBREV  #FLAG X'F2'               REVERSE-VIDEO
                MFCBUSC  #FLAG X'F4'               UNDERSCORE
00003F          MFCBATT2 DS    XL1                 EXTENDED HIGHLIGHT ATTRIBUTE BYTE
                MFCBBLU  #FLAG X'F1'               BLUE
                MFCBRED  #FLAG X'F2'               RED
                MFCBPIN  #FLAG X'F3'               PINK
                MFCBGRE  #FLAG X'F4'               GREEN
                MFCBTUR  #FLAG X'F5'               TURQUOISE
                MFCBYEL  #FLAG X'F6'               YELLOW
                MFCBWHI  #FLAG X'F7'               WHITE
000040          MFCBATT3 DS    XL1                 EXT COLOUR ATTRIBUTE BYTE
        00002   MFCBPFL2 EQU   *-MFCBATT2          USED FOR COMPARE(BEWARE OF CHG)
                MFCBLFL  #FLAG X'80'               THIS IS A LITERAL FIELD
                MFCBDFL  #FLAG X'40'               DATA FIELD
                MFCBNEW  #FLAG X'20'               FIELD IS NEW TO MAP
                MFCBCOR  #FLAG X'10'               THIS DICT MFCB CORRELATES WITH PROTO
                MFCBDEL  #FLAG X'08'               FIELD PHYSICALLY DELETED FROM DICT
                MFCBDIC  #FLAG X'04'               FIELD PHYSICALLY DELETED FROM DICT
                MFCBSEL  #FLAG X'02'               THIS FIELD IS IN SELECTION LIST
                MFCBCHG  #FLAG X'01'               SOMETHING CHANGED IN THIS MFCB
        0000C   MFCBKEEP EQU   MFCBDICM+MFCBDELM   KEEP MFCB AROUND UNTIL GENERATE
                *                                  SO WE KNOW EXPLICITELY WHAT TO DEL
000041          MFCBFLG1 DS    XL1                 FIELD TYPE FLAGS
                *
                MFCBRSP  #FLAG X'80'               RESPONSE FIELD
                MFCBMSG  #FLAG X'40'               MESSAGE FIELD
                MFCBCH2  #FLAG X'20'               THE EXTENDED FEATURES HAVE CHGED
                MFCBREP  #FLAG X'10'               DICT MFCB MUST BE DELETED FIRST
                *                                  THIS DICT MFCB CORRELATES WITH PROTO
                MFCB$PG  #FLAG X'08'               $PAGE FIELD
                MFCBKAJ  #FLAG X'04'               KANJI FIELD
                MFCBDVC  #FLAG X'02'               DEL VIA VERSION CHANGE
                MFCBVLA  #FLAG X'01'               FLD IS VARIABLE LEN ARRAY
000042          MFCBFLG2 DS    XL1
                *
                MFCBCPY  #FLAG X'80'               THIS MFCB WAS CREATED VIA COPY.MAP
                MFCBCH3  #FLAG X'40'               ASSOCIATED REC WAS CHANGED*MAPS/166*
                MFCBFCP  #FLAG X'20'               MFCB CREATED BY FIELD COPY*MAPS/169*
000043          MFCBFLG3 DS    XL1
                *
                MFCBPSD  #FLAG X'80'               START OF DETAIL
                MFCBPED  #FLAG X'40'               END OF DETAIL
                MFCBPOD  #FLAG X'C0'               ONLY DETAIL DFLD
                MFCBPFS  #FLAG X'20'               START OF FOOTER
                MFCBPG   #FLAG MFCBPSDM+MFCBPEDM+MFCBPFSM
000044          MFCBPGFG DS    XL1                 ** PAGING TYPE FLAG **
                *
                MFCBHEL  #FLAG X'80'               HELP OPTION REQUESTED
                MFCBFUL  #FLAG X'40'               FULL SCREEN FORMAT
                MFCBINC  #FLAG X'20'               INCLUDE IDD MODULE
                MFCBDIN  #FLAG X'10'               DROP IDD MODULE
                MFCBSUB  #FLAG X'02'               SUBSCRIPT PROCESSED FOR POINTER HCE
000045          MFCBHFL1 DS    X                   ** FIELD LEVEL HELP FLAG 1 **
                *
                MFCBRC   #FLAG X'80'               RECORD-ELEMENT COMMENTS
                MFCBMP   #FLAG X'40'               MAP COMMENTS
                MFCBRE   #FLAG X'20'               RECORD-ELEMENT COMMENTS
                MFCBEC   #FLAG X'10'               ELEMENT COMMENTS
                MFCBMI   #FLAG X'08'               MESSAGE RECORD TO OBTAIN
                MFCBET   #FLAG X'04'               EDIT TABLE LOAD
                MFCBCT   #FLAG X'02'               CODE TABLE LOAD
                MFCBOM   #FLAG X'01'               TEXT ENTERED VIA OLM
000046          MFCBHFL2 DS    X                   ** FIELD LEVEL HELP FLAG 2 **
                MFCBDRC  #FLAG X'80'               DROP RECORD-ELEMENT COMMENTS
                MFCBDMP  #FLAG X'40'               DROP MAP COMMENTS
                MFCBDRE  #FLAG X'20'               DROP RECORD-ELEMENT COMMENTS
```

```
                MFCBDEC  #FLAG X'10'               DROP ELEMENT COMMENTS
                MFCBDMI  #FLAG X'08'               DROP MESSAGE RECORD
                MFCBDET  #FLAG X'04'               DROP EDIT TABLE
                MFCBDCT  #FLAG X'02'               DROP CODE TABLE
                MFCBDOM  #FLAG X'01'               DROP TEXT ENTERD VIA OLM
000047          MFCBHFL3 DS    X                   ** FIELD LEVEL HELP FLAG 3 **
000048                   DS    XL2                 AVAILABLE
00004A          MFCBHIDD DS    CL32                IDD HELP MODULE SOURCE
00006A          MFCBNHL  DS    H                   NUMBER OF HELP TEXT LINES
        0006C   MFCBDSLN EQU   ((*-MFCB+3)/4)*4    LENGTH OF FIXED PORTION OF MFCB
                *
                *   LITERAL EXTENSION CAN BE ANY NUMBER OF BYTES
                *
00006C          MFCBLIT  DS    0A                  START OF LITERAL VALUE
                *
                *   DFLD EXTENSION IS FIXED LENGTH
                *
00006C          MFCBDFLD DS    0A                  START OF DATA FOR DFLD
                *
00006C          MFCBMRCB DS    A                   OFFSET TO MRCB IF MRCBDFLD
                *
000070          MFCBGLEN DS    H                   REPEATING GROUP LENGTH    IDMSDC/909
000072                   DS    H              UNUSED                         IDMSDC/909
000074                   DS    F              UNUSED
                *
000078          MFCBFLDN  DS   H                  MAP FIELD INDEX
                MFCBDLN  #FLAG X'80'               DELIMIT NOSKIP
                MFCBDLS  #FLAG X'40'               DELIMIT SKIP
00007A          MFCBDELF DS    XL1                 DELIMIT FLAGS
                *
                MFCBRJS  #FLAG X'80'               JUSTIFY RIGHT
                MFCBCAS  #FLAG X'40'               UPPER CASE ACTIVE
                MFCBPAD  #FLAG X'20'               PADDING
                MFCBIDT  #FLAG X'10'               INPUT DATA YES
                MFCBIEB  #FLAG X'08'               AUTO EDIT BEFORE USER EDIT MODULE
                MFCBIEA  #FLAG X'04'               AUTO EDIT AFTER USER EDIT MODULE
                MFCBIE   #FLAG MFCBIEBM+MFCBIEAM   AUTO EDIT & USER EDIT MODULE IS ON
                MFCBNZR  #FLAG X'02'               DO NOT ZERO WHEN NULL
00007B          MFCBIFLG DS    XL1                 ** INPUT ATTRIBUTES **
                *
                MFCBBAK  #FLAG X'80'               BACKSCAN YES
                MFCBODT  #FLAG X'40'               OUTPUT DATA YES
                MFCBDNO  #FLAG X'20'               OUTPUT DATA NO
                MFCBERA  #FLAG X'60'               OUTPUT DATA ERASE
                MFCBTBU  #FLAG X'10'               TRANSLATE TRAILING BLNK TO UNDSCRS
                MFCBOEB  #FLAG X'08'               AUTO EDIT BEFORE USER EDIT MODULE
                MFCBOEA  #FLAG X'04'               AUTO EDIT AFTER USER EDIT MODULE
                MFCBOE   #FLAG MFCBOEBM+MFCBOEAM   AUTO EDIT & USER EDIT MODULE IS ON
                MFCBBIZ  #FLAG X'02'               BLANK IF ZERO
                MFCBODA  #FLAG X'01'               OUT DATA ATTR
00007C          MFCBOFLG DS    XL1                 ** OUTPUT ATTRIBUTES **
                *
00007D          MFCBPADC DS    XL1                 PAD CHARACTER
                *
00007E          MFCBFRSQ DS    XL1                 FILE MAP $R SEQ NBR
                *
000080          MFCBIMOD DS    A                   INPUT EDIT MODULE
000084          MFCBOMOD DS    A                   OUTPUT EDIT MODULE
                *
                *   THE FOLLOWING FIELD (WITH THE FLAG ON) IS USED EXCLUSIVELY
                *   IN FILE MAPPING TO POINT TO THE INDEX SUBSCRIPT EXTENSION
                *
                MFCBMOC  #FLAG X'80'               ON IF BATCH INDEX EXTENSION
000088          MFCBMOCF DS    0X                  FLAG BYTE (1ST BYTE OF FOLLOWING)
000088          MFCBIXSA DS    A                   ADDR OF INDEX SUBSCRIPTS IF HIGH
00008C                   ORG   MFCBMOCF
```

```
                 *
                 *   THE FOLLOWING 4 FIELDS ARE USED WHEN THE MFCBMOC FLAG IS OFF.
                 *   THEY ARE USED FOR OCCURING DATA FIELDS IN ONLINE AND BATCH.
                 *
000088           MFCBOCC  DS    H                   MAX OCCURS, IF SUBSCRIPTED FIELD
00008A           MFCBDFIX DS    H                   THIS DATAFIELD SUBSCRIPT
00008C           MFCBDNLN DS    H                   LENGTH OF DF NAME IN LITERAL POOL
000090           MFCBDFNM DS    A                   OFFSET IN LITERAL POOL TO NAME
         00019   MFCBMFL1 EQU   *-MFCBIFLG          USED FOR COMPARE(BEWARE OF CHG)
         00028   MFCBDLN1 EQU   *-MFCBDFLD          UNEXTENDED PORTION
                 *
                 MFCBEXP  #FLAG X'80'               EXT PIC SPECIFIED BY USER, EDIT = ON
                 MFCBEXI  #FLAG X'40'               EXTERNAL PIC BUILT BY OLM, EDIT = ON
                 MFCBEDT  #FLAG MFCBEXPM+MFCBEXIM   AUTOMATIC EDITING IS ON
                 *
                 MFCBMTX  #FLAG X'10'        ERR MSG TEXT GIVEN
                 MFCBMID  #FLAG X'08'        ERR MSG ID GIVEN
                 MFCBNMC  #FLAG X'04'        FIELD IS NUMERIC
                 MFCBALP  #FLAG X'02'        FIELD IS ALPHABETIC
                 MFCBANM  #FLAG X'01'        FIELD IS ALPHANUMERIC
000094           MFCBDFL1 DS    X            DATA FIELD FLAG
                 *
                 MFCBREQ  #FLAG X'80'        RQUIRED FIELD
                 MFCBDAT  #FLAG X'40'        DATE FIELD
                 MFCBNED  #FLAG X'20'        NOEDIT
                 MFCBRNM  #FLAG X'10'        REVERSE NUMERIC FIELD
                 MFCBGDP  #FLAG X'08'        GRP W/ O.D.O. EMBEDDED-NO FLD BWT
                 MFCBGEX  #FLAG X'04'        GRP W/ O.D.O. EMBEDDED-INTERVEN FIELD
000095           MFCBDFL2 DS    X            DATA FIELD FLAG
                 *
                 MFCBDIG  #FLAG X'80'        INTERNAL GREG
                 MFCBDEG  #FLAG X'40'        EXTERNAL GREG
                 MFCBDIJ  #FLAG X'20'        INTERNAL JULIAN
                 MFCBDEJ  #FLAG X'10'        EXTERNAL JULIAN
000096           MFCBDTFL DS    X            DATE FLAG
                 *
                 MFCBELK  #FLAG X'80'        LINK
                 MFCBENK  #FLAG X'40'        NOLINK
                 MFCBEVL  #FLAG X'20'        VALIDATE
                 MFCBEIN  #FLAG X'10'        INVALIDATE
                 MFCBETG  #FLAG X'08'        TIGHT TABLE
000097           MFCBETFL DS    X            EDIT TABLE FLAG
000098           MFCBEDTN DS    A            EDIT TABLE NAME
00009C           MFCBEDTV DS    H            EDIT TABLE VERSION
00009E                    DS    X            AVAILABLE
                 *
                 MFCBCLK  #FLAG X'80'        LINK
                 MFCBCNK  #FLAG X'40'        NOLINK
                 MFCBCTG  #FLAG X'20'        TIGHT TABLE
00009F           MFCBCTFL DS    X            CODE TABLE FLAG
0000A0           MFCBCDTN DS    A            CODE TABLE NAME
0000A4           MFCBCDTV DS    H            CODE TABLE VERSION
                 *
         00010   MFCBDLN3 EQU   *-MFCBDTFL   USED TO CLEAR FILE EDITING OPTIONS
                 *
0000A6           MFCBIDLN DS    H            INTERNAL DATA LENGTH IN BYTES
0000A8           MFCBITYP DS    X            INTERNAL DATA TYPE
0000A9           MFCBIDEC DS    X            INTERNAL DECIMAL POSITION
0000AA           MFCBDOFF DS    H            OFFSET WITHIN RECORD
                 *
0000AC           MFCBEDLN DS    H            EXTERNAL PURE DATA LENGTH
0000AE           MFCBEDEC DS    X            EXTERNAL DECIMAL POSITION
0000AF           MFCBESDC DS    X            # OF SCREEN POSITIONS AFTER DECIMAL
0000B0           MFCBEPLN DS    H            LENGTH OF EXTERNAL PICTURE
0000B4           MFCBEPIC DS    A            EXTERNAL PICTURE (ALWAYS ONE)
                 *
```

```
        00022  MFCBDLN2 EQU   *-MFCBDTFL   USED TO CLEAR AUTO EDITING OPTIONS
               *
0000B8         MFCBMGLN DS    H            LENGTH OF ERR MSG
0000BA                  ORG   MFCBMGLN
0000B8         MFCBMPFX DS    CL2          FIELD LEVEL MSG PREFIX
0000BC         MFCBMSGO DS    A            ERROR MESSAGE
        0002C  MFCBMFL2 EQU   *-MFCBDFL1   USED FOR COMPARE(BEWARE OF CHG)
        00054  MFCBDFLN EQU   *-MFCBDFLD          LENGTH OF DFLD EXTENTION
               *
               *   DFLD INDEX SUBSCRIPT EXTENSION
               *
0000C0         MFCBXSVA DS    0F           INDEX SUBSCRIPT VALUE AREA
               *                           (POINTED TO BY MFCBIXSA)
0000C0         MFCBXLEN DS    H            LENGTH OF THIS EXTENSION
0000C2         MFCBXAOC DS    H            ABSOLUTE OCCURRANCE
0000C4         MFCBFDOF DS    H            OFFSET TO OCCURRING GROUP FIELD
0000C6         MFCBXNSB DS    H            NUMBER OF SUBSCRIPTS
0000C8         MFCBXOC1 DS    H            FIRST MAX OCCURS
0000CA         MFCBXSU1 DS    H            FIRST SUBSCRIPT
0000CC         MFCBXOF1 DS    H            FIRST SUBSCRIPT GRP LENGTH/OFFSET
        00006  MFCBXLN1 EQU   *-MFCBXOC1   LENGTH OF A ENTRY
0000CE         MFCBXOC2 DS    H            SECOND MAX OCCURS
0000D0         MFCBXSU2 DS    H            SECOND SUBSCRIPT
0000D2         MFCBXOF2 DS    H            SECOND SUBSCRIPT GRP LENGTH/OFFSET
        00014  MFCBLN2  EQU   ((*-MFCBXLEN+3)/4)*4  LEN OF EXT - 2 SUBSCRIPTS
0000D4         MFCBXOC3 DS    H            THIRD MAX OCCURS
0000D6         MFCBXSU3 DS    H            THIRD SUBSCRIPT
0000D8         MFCBXOF3 DS    H            THIRD SUBSCRIPT GRP LENGTH/OFFSET
        0001C  MFCBLN3  EQU   ((*-MFCBXLEN+3)/4)*4  LEN OF EXT - 3 SUBSCRIPTS
0000DA         MFCBXOC4 DS    H            FOURTH MAX OCCURS
0000DC         MFCBXSU4 DS    H            FOURTH SUBSCRIPT
0000DE         MFCBXOF4 DS    H            FOURTH SUBSCRIPT GRP LENGTH/OFFSET
0000E0         MFCBXOC5 DS    H            FIFTH MAX OCCURS
0000E2         MFCBXSU5 DS    H            FIFTH SUBSCRIPT
0000E4         MFCBXOF5 DS    H            FIFTH SUBSCRIPT GRP LENGTH/OFFSET
0000E6         MFCBXOC6 DS    H            SIXTH MAX OCCURS
0000E8         MFCBXSU6 DS    H            SIXTH SUBSCRIPT
0000EA         MFCBXOF6 DS    H            SIXTH SUBSCRIPT GRP LENGTH/OFFSET
0000EC         MFCBXOC7 DS    H            SEVENTH MAX OCCURS
0000EE         MFCBXSU7 DS    H            SEVENTH SUBSCRIPT
0000F0         MFCBXOF7 DS    H            SEVENTH SUBSCRIPT GRP LENGTH/OFFSET
0000F2         MFCBXOC8 DS    H            EIGHTH MAX OCCURS
0000F4         MFCBXSU8 DS    H            EIGHTH SUBSCRIPT
0000F6         MFCBXOF8 DS    H            EIGHTH SUBSCRIPT GRP LENGTH/OFFSET
0000F8         MFCBXOC9 DS    H            NINTH MAX OCCURS
0000FA         MFCBXSU9 DS    H            NINTH SUBSCRIPT
0000FC         MFCBXOF9 DS    H            NINTH SUBSCRIPT GRP LENGTH/OFFSET
0000FE         MFCBXOCA DS    H            TENTH MAX OCCURS
000100         MFCBXSUA DS    H            TENTH SUBSCRIPT
000102         MFCBXOFA DS    H            TENTH SUBSCRIPT GRP LENGTH/OFFSET
000104         MFCBXOCB DS    H            ELEVENTH MAX OCCURS
000106         MFCBXSUB DS    H            ELEVENTH SUBSCRIPT
000108         MFCBXOFB DS    H            ELEVENTH SUBSCRIPT GRP LENGTH/OFFSE
00010A         MFCBXOCC DS    H            TWELFTH MAX OCCURS
00010C         MFCBXSUC DS    H            TWELFTH SUBSCRIPT
00010E         MFCBXOFC DS    H            TWELFTH SUBSCRIPT GRP LENGTH/OFFSET
000110         MFCBXOCD DS    H            THIRTEENTH MAX OCCURS
000112         MFCBXSUD DS    H            THIRTEENTH SUBSCRIPT
000114         MFCBXOFD DS    H            THIRTEENTH SUBSCRIPT GRP LENGTH/OFF
000116         MFCBXOCE DS    H            FOURTEENTH MAX OCCURS
000118         MFCBXSUE DS    H            FOURTEENTH SUBSCRIPT
00011A         MFCBXOFE DS    H            FOURTEENTH SUBSCRIPT GRP LENGTH/OFF
00011C         MFCBXOCF DS    H            FIFTEENTH MAX OCCURS
00011E         MFCBXSUF DS    H            FIFTEENTH SUBSCRIPT
000120         MFCBXOFF DS    H            FIFTEENTH SUBSCRIPT GRP LENGTH/OFFSET
        00064  MFCBXTLN EQU   ((*-MFCBXLEN+3)/4)*4  TOTAL LENGTH OF EXTENSION
```

```
        000DC  MFCBTLEN EQU   MFCBDFLN+MFCBDSLN+MFCBLN3  USED FOR O.D.O
               ********************************************************************
               ***
               ***   ON-LINE MAPPING MAP (FIELD) SELECTION CONTROL BLOCK
               ***
               ********************************************************************
000000         MSCB     DSECT
000000                  DS    0D
000000                  DS    CL4                 EYE CATCH 'MSCB'
000004         MSCBNXTA DS    A                   OFFSET TO NEXT MSCB
000008         MSCBPREV DS    A                   OFFSET TO PRIOR MSCB
00000C         MSCBDFNM DS    A                   OFFSET INTO LIT POOL OF NAME
000010         MSCBNMLN DS    H                   LENGTH OF NAME LITERAL
000012         MSCBRCOF DS    H                   REC OFFSET OF FIELD
000014                  DS    F             UNUSED
000018                  DS    F             UNUSED
               **
               MSCBSEL   #FLAG X'80'              FILE FIELD SELECTED
               MSCBDEL   #FLAG X'40'              FILE FIELD DESELECTED
               MSCBRDF   #FLAG X'20'              REDEFINES ANOTHER FIELD
               MSCBRST   #FLAG X'10'              REDEFINING ONE SELECTED
               MSCBPRC   #FLAG X'08'              FIELD TO BE PROCESSED
               MSCBVNW   #FLAG X'04'              USED IN REC VER CHG
               MSCBNDP   #FLAG X'02'              PICTURE CANNOT BE ALTERED
               MSCBODP   #FLAG X'01'              ON IF OCCURS DEP ON FLD
00001C         MSCBFLG1  DS   X                   FLAG BYTE
00001D                   DS   X                   RESERVED
00001E         MSCBIXOF  DS   H                   1 SUBSCRIPT GRP LEN/OFFSET
               *
               MSCBMOC  #FLAG X'80'               ON IF MORE THAN ONE OCCURRANCE
000020         MSCBMOCF DS    0X                  FLAG BYTE (1ST BYTE OF FOLLOWING)
000020         MSCBIXSA DS    A                   ADDR OF INDEX SUBSCRIPTS IF HIGH
000024                  ORG   MSCBMOCF
               *        THESE TWO FIELDS USED IF MFSBMOC IS OFF
000020         MSCBOCC  DS    H                   MAX OCCURS, IF SUBSCRIPTED FIELD
000022         MSCBDFIX DS    H                   DATA FIELD SUBSCRIPT
               *
000024         MSCBLEVL  DS   CL2                 LEVEL NUMBER
        00028  MSCBDSLN EQU   ((*-MSCB+3)/4)*4    LENGTH OF DSECT
               *
               *   DFLD INDEX SUBSCRIPT EXTENSION FOR MSCB(S)
               *
000028         MSCBXSVA DS    0F             INDEX SUBSCRIPT VALUE AREA
               *                             (POINTED TO BY MSCBIXSA)
000028         MSCBXLEN DS    H              LENGTH OF THIS EXTENSION
00002A         MSCBXAOC DS    H              ABSOLUTE OCCURRANCE
00002C         MSCBFDOF DS    H              OFFSET TO OCCURRING GROUP FIELD
00002E         MSCBXNSB DS    H              NUMBER OF SUBSCRIPTS
        00008  MSCBXBLN EQU   *-MSCBXLEN   LENGTH OF BASE PORTION
000030         MSCBXOC1 DS    H            FIRST MAX OCCURS
000032         MSCBXSU1 DS    H            FIRST SUBSCRIPT
000034         MSCBXOF1 DS    H            FIRST SUBSCRIPT GRP LENGTH/OFFSET
        00006  MSCBXLN1 EQU   *-MSCBXOC1   LENGTH OF A ENTRY
000036         MSCBXOC2 DS    H            SECOND MAX OCCURS
000038         MSCBXSU2 DS    H            SECOND SUBSCRIPT
00003A         MSCBXOF2 DS    H            SECOND SUBSCRIPT GRP LENGTH/OFFSET
        00014  MSCBLN2  EQU   ((*-MSCBXLEN+3)/4)*4  LEN OF EXT - 2 SUBSCRIPTS
00003C         MSCBXOC3 DS    H            THIRD MAX OCCURS
00003E         MSCBXSU3 DS    H            THIRD SUBSCRIPT
000040         MSCBXOF3 DS    H            THIRD SUBSCRIPT GRP LENGTH/OFFSET
        0001C  MSCBLN3  EQU   ((*-MSCBXLEN+3)/4)*4  LEN OF EXT - 3 SUBSCRIPTS
000042         MSCBXOC4 DS    H            FOURTH MAX OCCURS
000044         MSCBXSU4 DS    H            FOURTH SUBSCRIPT
000046         MSCBXOF4 DS    H            FOURTH SUBSCRIPT GRP LENGTH/OFFSET
000048         MSCBXOC5 DS    H            FIFTH MAX OCCURS
00004A         MSCBXSU5 DS    H            FIFTH SUBSCRIPT
```

```
00004C         MSCBXOF5 DS    H            FIFTH SUBSCRIPT GRP LENGTH/OFFSET
00004E         MSCBXOC6 DS    H            SIXTH MAX OCCURS
000050         MSCBXSU6 DS    H            SIXTH SUBSCRIPT
000052         MSCBXOF6 DS    H            SIXTH SUBSCRIPT GRP LENGTH/OFFSET
000054         MSCBXOC7 DS    H            SEVENTH MAX OCCURS
000056         MSCBXSU7 DS    H            SEVENTH SUBSCRIPT
000058         MSCBXOF7 DS    H            SEVENTH SUBSCRIPT GRP LENGTH/OFFSET
00005A         MSCBXOC8 DS    H            EIGHTH MAX OCCURS
00005C         MSCBXSU8 DS    H            EIGHTH SUBSCRIPT
00005E         MSCBXOF8 DS    H            EIGHTH SUBSCRIPT GRP LENGTH/OFFSET
000060         MSCBXOC9 DS    H            NINTH MAX OCCURS
000062         MSCBXSU9 DS    H            NINTH SUBSCRIPT
000064         MSCBXOF9 DS    H            NINTH SUBSCRIPT GRP LENGTH/OFFSET
000066         MSCBXOCA DS    H            TENTH MAX OCCURS
000068         MSCBXSUA DS    H            TENTH SUBSCRIPT
00006A         MSCBXOFA DS    H            TENTH SUBSCRIPT GRP LENGTH/OFFSET
00006C         MSCBXOCB DS    H            ELEVENTH MAX OCCURS
00006E         MSCBXSUB DS    H            ELEVENTH SUBSCRIPT
000070         MSCBXOFB DS    H            ELEVENTH SUBSCRIPT GRP LENGTH/OFFSE
000072         MSCBXOCC DS    H            TWELFTH MAX OCCURS
000074         MSCBXSUC DS    H            TWELFTH SUBSCRIPT
000076         MSCBXOFC DS    H            TWELFTH SUBSCRIPT GRP LENGTH/OFFSET
000078         MSCBXOCD DS    H            THIRTEENTH MAX OCCURS
00007A         MSCBXSUD DS    H            THIRTEENTH SUBSCRIPT
00007C         MSCBXOFD DS    H            THIRTEENTH SUBSCRIPT GRP LENGTH/OFF
00007E         MSCBXOCE DS    H            FOURTEENTH MAX OCCURS
000080         MSCBXSUE DS    H            FOURTEENTH SUBSCRIPT
000082         MSCBXOFE DS    H            FOURTEENTH SUBSCRIPT GRP LENGTH/OFF
000084         MSCBXOCF DS    H            FIFTEENTH MAX OCCURS
000086         MSCBXSUF DS    H            FIFTEENTH SUBSCRIPT
000088         MSCBXOFF DS    H            FIFTEENTH SUBSCRIPT GRP LENGTH/OFFS
        00064  MSCBXTLN EQU   ((*-MSCBXLEN+3)/4)*4  TOTAL LENGTH OF EXTENSION
        0008C  MSCBDXLN EQU   ((*-MSCB+3)/4)*4    LENGTH OF DSECT/EXTENSION
                        PRINT GEN
```

1.92 #OLMWKDS

```
                         COPY #OLMWKDS
                ***********************************************************************
                ***                                                                 ***
                ***     ON-LINE MAPPING WORK DSECT                                  ***
                ***                                                                 ***
                ***********************************************************************

Offset  Value

                         PRINT NOGEN
                * *** NOTE... THIS SPACE IS ACQUIRED BY RHDCOMTC AND AVAILABLE TO ALL
                * ***         ON-LINE MAPPING MODULES VIA R11.
000000          OLMWK    DSECT                           04/13/90 13:30:35   07/09/91
000000          OLMID    DS    CL4                 'OMW*'
000004                   DS    0F                                            JEP85175
000004          WRKHALF  DS    H                   WORK HALFWORD             JEP85175
000006          WRKFLEN  DS    H                   WORK HALFWORD/LEN LOW SUB JEP85176
000008          DWORD    DS    D                   DOUBLEWORD FOR ALL
000010          SYSPLIST DS    20F                 PLIST FOR DC FUNCTIONS
                *
000060          OBUFFER  DS    0A                  ADDRESS OF OUTPUT BUFFER
000060          IBUFFER  DS    A                   ADDRESS OF INPUT BUFFER
000064          OBUFFLEN DS    0H                  LENGTH OF OUTPUT BUFFER
000064          IBUFFEND DS    A                   END OF INPUT BUFFER
                *
000068          STGANKOR DS    A                   ANCHOR FOR STORAGE MGMT
                *                                  PARMS FOR LITPOOL
00006C          OLMLTLEN DS    H                   LENGTH
000070          OLMLTADD DS    A                   ADDRESS
000074          OLMLTR8  DS    F                   SAVE R8
000078          OLMLTR12 DS    F                   SAVE R12
00007C          SAVEREG1 DS    A                   TO SAVE RETURN REGS
000080          SAVEREG2 DS    A                   TO SAVE RETURN REGS
                *
000084          GETSTGA  DS    A                   ADDRESS FOR GET STORAGE
000088          FREESTGA DS    A                   ADDRESS FOR FREE STORAGE
00008C          UTIOA    DS    A                   TERMINAL I/O
000090          UT3270A  DS    A                   3270 TYPE FUNCTIONS
000094          INTEXTA  DS    A                   INT & EXT CHAR OF DFLDS
000098          ADDLITLA DS    A                   ADD LITERAL TO POOL
00009C          GPPATCHA DS    A                   COMMON PATCH AREA FOR OMGP RTNS
0000A0          SUBABTA  DS    A                   ADDRESS OF SUBTASK ABORT *RQE84123*
                *
0000A4                   DS    A                   RESERVED                      BZJ
                *
                *
                *  ***  AIDBYTE IS TAKEN FROM THE PTE BY RHDCOMTC AND USED IN ROUTINE
                *  ***  TERMREAD TO DETERMINE READ BUFFER OR MODIFIED SHOULD BE DONE.
                *
0000A8          AIDBYTE  DS    X                   LAST OPERATOR INTERRUPT
                *
0000A9          LASTEDIT DS    X                   EDIT FLAG SETTING ON THE WAY OUT
0000AA          DCFUNC   DS    X                   LAST DC FUNCTION DONE BY OLM
0000AB          QUEKEEP  DS    X                   QUEUE RETENTION PERIOD
                *
        00001   GETSTG#  EQU   1                   ***  DC FUNCTION NUMBERS  ***
        00003   LINK#    EQU   3
        00007   LOAD#    EQU   7
                *
0000AC          AMQR     DS    A                   ADDRESS OF MAP QUEUE RECORD
0000B0          ADICTMQR DS    A                   ADDR OF DICTIONARY MODEL MQR
                *
```

```
                * ***   NOTE... THE FOLLOWING LIST ANCHORS ALL KEPT STORAGE
                * ***           FOR ON-LINE MAPPING.
                *
0000B4          ANCHORS  DS    0A                  KEPT STORAGE ANCHORS
0000B4          ALSTOBUF DS    A,CL4               LAST OUTPUT BUFFER, STGID
        00001   ANCHORN  EQU   (*-ANCHORS)/8       NUMBER OF ANCHORS IN LIST
                * THE FOLLOWING FIELDS CONTAIN OLM MAP RELATED INFORMATION
                *
0000BC          MRBADDR  DS    A                   ADDRESS OF MRB
0000C0          MRECADDR DS    A                   ADDRESS OF MAP RECORD
                *
                * *** NOTE... THE FOLLOWING FIELDS SAVE INFORMATION CRITICAL TO
                * ***         THE EXECUTION OF THE MAP COMPILER.
                *
0000C4          AMPWK1   DS    A                   ADDRESS OF MAP COMPILER WORK AREA
0000C8          PANDBK   DS    F                   CURRENT PANEL'S DBKEY
0000CC          MAPDBK   DS    F                   CURRENT MAP'S DBKEY
0000D0          MPDBPARM DS    F                   USED TO PASS PARMS TO RHDCMPDB
0000D4          MCBIX    DS    H                   BRANCH INDEX FOR MAP COMPILER MODS
                *
                * *** OLMPF# KEEPS TRACK OF THE CURRENT PFLD NUMBER IN RHDCOMFE
                *
0000D6          OLMPF#   DS    H                    CURRENT PFLD NUMBER
                *
                * *** NOTE... THE FOLLOWING FIELDS ARE USED BY THE BUFFER SCANNING
                * ***         ROUTINE TO RETURN INFORMATION ABOUT THE SUCCESS/FAILURE
                * ***         OF THE LAST ATTEMPTED FIELD SCAN...
                *
0000D8          SCNFLEN  DS    H                   LENGTH OF FIELD FOUND BY SCANNER
0000DA          EOFADR   DS    H                   3270 ADDR OF LAST FIELD BYTE+1
0000DC          EOFOFF   DS    H                   OFFSET OF LAST FIELD BYTE
                * *** MORE FLAGS FOR OMGN                                    *LCB86064*
                ODOSEL   #FLAG X'01'               O.D.O. FIELD SELECTED     *LCB86064*
0000DE          MGN2FLAG DS    X                                             *LCB86064*
0000DF                   DS    X                   RESERVED                  *LCB86064*
0000E0          NXTSCNAD DS    A                   NEXT BYTE IN BUFFER TO START SCAN
0000E4          ABSADDR  DS    A                   ABSOLUTE ADDR TO CONVERT TO BUFADR
0000E8          SCNFSTRT DS    A                   ADDR OF MARKER SCANNER FOUND
                *                                  (INCLUDES DELIMIT, IF ANY)
0000EC          SCANTAB  DS    XL256               TABLE USED BY SCANNER
                *
                * *** NOTE... USEFUL 3270-TYPE EQUATES FOR ALL
                *
        00011   SBA      EQU   X'11'               SET BUFFER ADDRESS ORDER
        0001D   SF       EQU   X'1D'               START FIELD ORDER
        0003C   RA       EQU   X'3C'               REPEAT TO ADDRESS ORDER
        00013   IC       EQU   X'13'               INSERT CURSOR ORDER
        000F0   PROTSK   EQU   X'F0'               PROTECTED SKIP ATTRIBUTE
        00060   PROT     EQU   X'60'               PROTECTED ATTRIBUTE
        00029   SFECODE  EQU   X'29'               START FIELD EXTENDED
        000C0   ATR1CODE EQU   X'C0'               ATTR 1
        00041   ATR2CODE EQU   X'41'               ATTR 2
        00042   ATR3CODE EQU   X'42'               ATTR 3
        000C2   ATR4CODE EQU   X'C2'               ATTR 4
        00043   ATR5COD1 EQU   X'43'               ATTR 5
        000FE   ATR5COD2 EQU   X'FE'               ATTR 5
        000F8   DBCSTYPE EQU   X'F8'               DBCS ATTR TYPE                BZJ
        00001   MIXTYPE  EQU   X'01'               MIXED DATA ATTR TYPE          BZJ
        00020   TYPE3279 EQU   X'20'               TYPE IS 3279
                *
0001EC          SOFMARKR DS    XL1                 CHARACTER TO MARK START OF FIELD
0001ED          MODMARKR DS    XL1                 CHARACTER TO MARK FIELD FOR EDIT
0001EE          DFLDMRKR DS    XL1                 CHARACTER TO MARK DFLDS
0001EF          DLMMARKR DS    XL1                 CHARACTER TO MARK DELIMIT
                *
                ADRCONV  #FLAG X'F8'               BUFFER ADDRESS ROUTINE INVOKED
```

```
                AABOF    #FLAG X'80'               CONVERT ABSOLUTE ADDR TO BUFFOFF
                BOFRC    #FLAG X'40'               CONVERT BUFFER OFFSET TO ROW/COL
                BOFBA    #FLAG X'20'               BUFFER OFFSET TO 3270-ADDRESS
                BABOF    #FLAG X'10'               BUFFER ADDRESS TO OFFSET
                RCBOF    #FLAG X'08'               ROW/COL TO BUFFER OFFSET
                RCBOFBA  #FLAG X'28'               R/C TO OFFSET TO ADDRESS - 1 CALL
                CNVTFCT  #FLAG X'04'               CONVERT AID TO FUNCTION
                SCAN     #FLAG X'01'               SCAN INPUT BUFFER FOR FIELD
0001F0          OM32FLAG DS    XL1                FLAGS FOR UT3270
                LASTFLD  #FLAG X'80'               THIS IS THE LAST FIELD IN BUFFER
                SCNFDLM  #FLAG X'40'               FIELD IS DELIMITED
                BADAID   #FLAG X'20'               AID ENTERED WAS IN ERROR
                INDBCS   #FLAG X'10'               WE ARE IN A DBCS FIELD (LITERAL)
0001F1          OM32FLG2 DS    XL1                MORE FLAGS FOR OM32
                *
0001F2          TERMLLEN DS    H                  LINE LENGTH OF SESSION TERMINAL
0001F4          TERMPLEN DS    H                  PAGE LENGTH OF SESSION TERMINAL
                *
0001F6          SAVEPAGE DS    H                  SAVED MAP PAGE FIELD
0001F8          SAVETPGE DS    H                  SAVED MAP TOTAL # OF PAGES FIELD
0001FA          INDXMRCB DS    H                  INDEX FOR RECORD DELETION
0001FC          REC#VRCH DS    H                  COUNT OF RCDS WITH VER CHG  JEP84333
                *
0001FE          SAVPAGXF DS    H                  PAGE FIELD - FILE FIELD SEL ECM85043
000200          SAVTPGXF DS    H                  TOT PAGES - FILE FIELD SEL  ECM85043
                *
                * *** NOTE... THE FOLLOWING FIELDS ARE USED FOR VARIOUS 3270 BUFFER
                * ***         ADDRESS CONVERSIONS.
000202          BUFFRC   DS    H                  ROW/COLUMN ADDRESS
000204          BUFFADR  DS    H                  3270-FORMAT BUFFER ADDRESS
000206          BUFFOFF  DS    H                  EQUIVALENT BUFFER OFFSET REL TO 0
                *
000208          NEWCURSO DS    H                  BUFFER OFFSET OF NEW CURSOR POS
                *
00020A                   ORG   NEWCURSO           SET ORIGIN FOR PROPAGATION ROW/COL
000208          PROPRC   DS    0H                 ROW/COL THRU WHICH TO PROPAGATE
000208          PROPROW  DS    X                  ROW
000209          PROPCOL  DS    X                      COL
                *
                *
                * *** NOTE... THE PROCESSING FUNCTION IS SET BY CONVERTING THE 3270
                * ***         AID BYTE IN UT3270  . MAJOR FUNCTIONS REPRESENT LEVELS
                * ***         IN THE HEIRARCHY OF  NORMAL PROCESSING. MINOR FUNCTIONS
                * ***         ARE PROCESSES INCIDENTAL TO THE TASK AT HAND, GENERATING
                * ***         A MAP.
                *
                MAJCODE  #FLAG X'F0'               MAJOR CODES ARE 10-F0
                ENDTASK  #FLAG X'10'               IF MAJOR BECOMES THIS, BACK TO DC
                * MAJOR FUNCTION CODES...
                PANEL    #FLAG X'20'               MAIN ENTRY TO GET PANEL-TYPE INFO
                FORMAT   #FLAG X'30'               FORMAT MAP
                FFSELEC  #FLAG X'30'               FILE FIELD SELECTION        ECM85043
                FSELECT  #FLAG X'40'               FIELD SELECTION
                FEDITS   #FLAG X'50'               FIELD EDITS
                LOAD     #FLAG X'60'               LOAD MOD MAINT(SET INTERNALLY)
                PNALTSC  #FLAG X'70'               ERROR SCREEN FOR PANEL
                FDALTSC  #FLAG X'80'               ALTERNATE SCREEN FOR FIELDS
        00090   SUBFCTN  EQU   FDALTSCM+16         FCNTS ABOVE THIS NEVER BASE FCTNS
                MIMAGE   #FLAG X'90'               SHOW MAP IMAGE
                SETCURS  #FLAG X'A0'               SET CURSOR ADDRESS
                PROPGAT  #FLAG X'B0'               PROPAGATE FORMAT MAP FIELDS
                ADRECSC  #FLAG X'C0'               ADDITIONAL RECORDS FOR PANEL
                EXTMPDF  #FLAG X'D0'               EXT MAP DEFINITION          ECM85043
                OCCURS   #FLAG X'E0'               OCCURRING FIELDS SELECTION  ECM85043
                * MINOR FUNCTION CODES...
                MINCODE  #FLAG X'0F'               MINOR CODES ARE 00-0F
```

```
                UPLEVEL  #FLAG X'01'              GO UP A MAJOR FUNCTION
                QUITMAP  #FLAG X'02'              QUIT THIS MAP SESSION
                SETMODE  #FLAG X'03'              SET PROCESSING MODE
                SAMEFCT  #FLAG X'04'              CONTINUE WITH SAME MAJOR FUNCTION
                FRESHEN  #FLAG X'05'              REFRESH CURRENT MAJOR FUNCTION
                ADDRECS  #FLAG X'06'              GO TO ADDITIONAL RECORDS SCREEN
00020A          FUNCTION DS    XL1                FUNCTION FLAGS
                *
00020B          BASEFCTN DS    XL1                HOMEBASE FUNCTION CODE
00020C          LASTFCTN DS    XL1                PREVIOUS FUNCTION CODE
00020D          TERMOUTF DS    XL1                LAST FCTN TO DO TERMINAL OUTPUT
                *
                * *** THESE FLAGS ARE NON-MODULE SPECIFIC; USED MAINLY BY RHDCOMTC.
                *
                FAST     #FLAG X'80'              FAST MODE
                SLOW     #FLAG X'40'              SLOW MODE
                OLMABND  #FLAG X'20'              ABEND TRAP
                FCTPEND  #FLAG X'10'              NEW FUNCTION IS PENDING
                UT3270   #FLAG X'08'              INVOKES 3270 UTILITY ROUTINES
                COMMIT   #FLAG X'04'              MQR'S UPDATES, TIME FOR COMMIT
                REFRESH  #FLAG X'02'              IF FRESHEN FUNCTION SELECTED
                UTERMIO  #FLAG X'01'              INVOKES TERMINAL I/O ROUTINES
00020E          MISCFLAG DS    XL1                MISCELLANEOUS FLAGS FOR ALL
                NEWCOPY  #FLAG X'80'              MARK MAP LOAD MODULE 'NEWCOPY'
                DECCOMA  #FLAG X'40'             DEFAULT IS DEC.PT IS COMMA*RQE84132*
                REVNUM   #FLAG X'20'             DEFAULT IS REVERSE NUMERIC*RQE84136*
                DICTNOD  #FLAG X'10'             USE ALT #LOAD/#DELETE     *ECM84152*
                DELMSGD  #FLAG X'08'             MSG 355047 MUST BE SENT OUTECM84152*
                FILE     #FLAG X'04'             MAP IS A FILE MAP            ECM85043
                TAPEDEV  #FLAG X'02'             FILE DEVICE IS TAPE          ECM85043
                MENU     #FLAG X'01'             MENU HAS BEEN INVOKED        ECM85051
00020F          MISCFLG2 DS    XL1                MISCELLANEOUS FLAGS FOR ALL
                *
                * *** FLAGS FOR UTERMIO .
                *
                TERMWRT  #FLAG X'80'              WRITE BUFFER TO TERMINAL REQUEST
                READBUF  #FLAG X'40'              READ BUFFER REQUEST
                NEWPAGE  #FLAG X'20'              ERASE/WRITE REQUEST
                TCAM     #FLAG X'10'              SESSION TERMINAL IS REMOTE TCAM
                RESET    #FLAG X'08'              JUST RESET KEYBOARD
                READAID  #FLAG X'04'              UTIO IS TO READ TERM INPUT FOR AID
000210          UTIOFLAG DS    XL1                FLAGS FOR UTERMIO
                *
                * *** FLAGS FOR OMPN .
                *
                ERASE    #FLAG X'80'              ERASE MAP LOAD MODULE
                COPYALL  #FLAG X'40'              COPY 'ALL' OPTION
                COPYMAP  #FLAG X'20'              COPY MAP IS IN PROGRESS
                COPYMDT  #FLAG X'10'              TURN ON THE MAP/VERSION MDTS
                VERCHNG  #FLAG X'08'              RECORD VERSION IS BEING CHANGED
                RCDERR   #FLAG X'04'              ERROR DURING RECORD PROCESS JEP84335
                DBNDCHG  #FLAG X'02'              DICT/NODE CHG - UPDATE LTE  JEP84339
                FILEOK   #FLAG X'01'              FILE OPTION IS PRESENT      ECM85091
000211          OMPNFLAG DS    XL1                FLAG FOR OMPN
                *
                * *** FLAGS FOR OMFM .
                *
                FM3279   #FLAG X'80'              WE ARE WORKING WITH 3279
                FMDBCS   #FLAG X'10'              TERMINAL SUPPORTS DBCS         BZJ
                FMSDBCS  #FLAG X'20'              TERMINAL SIMULATES DBCS        BZJ
000212          OMFMFLAG DS    XL1                FLAG FOR OMFM
                *
                * *** FLAGS FOR OMAR .
                *
                ARUPDT   #FLAG X'80'              ADD RECS UPDATE OCCURRED
                ARSCRF   #FLAG X'40'              ADD RECS SCREEN FULL
```

```
                ARNPCH   #FLAG X'20'               ADD RECS NEXTPAGE FIELD CHANGED
                FLDSDEL  #FLAG X'10'               FIELD DELETED DURING RECORD DELETE
                VALDK83  #FLAG X'04'               TEMP ********************** JEP85113
000213          OMARFLAG DS    X                   ADDITIONAL RECORDS SCREEN FLAG1
                *                                                                ECM85043
                * *** FLAGS FOR OMXF .                                           ECM85043
                *                                                                ECM85043
000214          LENMSCB  DS    F                   LEN OF SPACE FOR MSCB CHAIN ECM85043
000218          SELECTWD DS    CL12                TO KEEP SELECTIONS IN MIND  ECM85043
000224          STRTMSCB DS    A                   ADDR OF FIRST MSCB ON PAGE  ECM85043
000228          LEVLMSCB DS    CL2                 LEVEL TO CHECK              ECM85043
                XFUPDT   #FLAG X'80'               SCREEN UPDATE OCCURRED      ECM85043
                XFMTGO   #FLAG X'40'               MORE FIELDS TO GO           ECM85043
                XFNPCH   #FLAG X'20'               NEXTPAGE FIELD ON MAP CHGD  ECM85043
                XFENDST  #FLAG X'10'               OCCURRING FIELD(S)          JEP85178
                SWMSCB1  #FLAG X'08'               USEFUL SWITCH               ECM85043
                XFCOPY   #FLAG X'04'               COPY IN PROGRESS, BLD PROTO JEP85099
                XFCURS   #FLAG X'02'               CURSOR SET ON SELECT BYTE *LCB86037*
                XFNEWQ   #FLAG X'01'               CALLED FRM NWQ RTN IN OMPN*LCB86106*
00022A          OMXFFLAG DS    X                   FILE FIELD SELECTION SWITCH ECM85043
                * *** FLAGS FOR OMGN                                            ECM85043
                CARDFLE  #FLAG X'01'               FILE TYPE IS CARD           ECM85043
                PSFLE    #FLAG X'02'               FILE TYPE IS PS             ECM85043
                PRNTFLE  #FLAG X'04'               FILE TYPE IS PRINT          ECM85043
                VSAMFLE  #FLAG X'08'               FILE TYPE IS VSAM ESDS      ECM85043
                FILEMSG  #FLAG X'80'               FILE TYPE MSG IS NEEDED     ECM85043
                RECUMSG  #FLAG X'40'               RECFM U MSG IS NEEDED       ECM85043
                RECFMSG  #FLAG X'20'               RECFM F MSG IS NEEDED       ECM85043
                RECVMSG  #FLAG X'10'               RECFM V MSG IS NEEDED       ECM85043
                FILEFLG  #FLAG CARDFLEM+PSFLEM+PRNTFLEM+VSAMFLEM               ECM85043
00022B          OMGNFLAG DS    X                                               ECM85043
                *
                * *** FLAGS FOR MAP PAGING
                *
                SDTL     #FLAG X'80'               START DETAIL SPECIFIED
                EDTL     #FLAG X'40'               END DETAIL SPECIFIED
                FTRS     #FLAG X'20'               FOOTER START SPECIFIED
                ODDTL    #FLAG X'10'               ONLY DETAIL DFLD            ECM85043
00022C          PAGEFLG  DS    X                   ADDITIONAL RECORDS SCREEN FLAG1
                *
                * *** FLAGS AND FIELDS FOR DB INTERFACING
                *
                DBBOUND  #FLAG X'80'               DB BINDS/READY ISSUED
                ERROR    #FLAG X'40'               GENERAL ERROR FLAG
                VALIDAT  #FLAG X'20'               VALIDATE/READY ISSUED
                ERGTSTG  #FLAG X'40'               ERROR OCCURRED DURING #GETSTG
                OMTCDB   #FLAG X'08'               IF ON, OMTC DOING DB CALL*RQE84125*
                *** NOTE -- OMTCDB MUST BE ON IF OMTC IS DOING A BALR TO ONE OF
                *** OMGP'S DATABASE ROUTINES IN ORDER TO MAKE THE SUBTASK ABORT
                *** ROUTINE WORK PROPERLY UNDER IDMS/R AND TCF
                ERROR2   #FLAG X'04'               ERROR FLG FOR BAD IDD REC *LCB86127*
00022D          OMDBFLAG DS    XL1
00022E          MENUFUNC DS    X                   FUNC CODE FROM MENU
00022F          WKFRSEQ  DS    X                   MAX SEQ NBR FOR $R FIELD(S)
000230          OLMNODE  DS    CL8                 NODE NAME
000238          OLMDICT  DS    CL8                 DICT NAME
000240          BINDRECA DS    A                  BIND RECORD
000244          BINDSA   DS    A                  BINDS/READY
000248          CONRECA  DS    A                  CONNECT TO SET
00024C          DCONRECA DS    A                  DISCONNECT FROM SET
000250          ERALLA   DS    A                  ERASE
000254          FDCALCA  DS    A                  FIND CALC
000258          FDCURRA  DS    A                  FIND CURRENT REC
00025C          FDDBKEYA DS    A                  FIND USING DBKEY
000260          FDDUPLA  DS    A                  FIND DUPLICATE
000264          FDNEXTA  DS    A                  FIND NEXT IN SET
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000268         FDOWNERA DS    A                  FIND OWNER
00026C         FDPRIORA DS    A                  FIND PRIOR
000270         FINISHA  DS    A                  FINISH
000274         KPEXCLA  DS    A                  KEEP EXCLUSIVE
000278         MODRECA  DS    A                  MODIFY
00027C         OBCALCA  DS    A                  OBTAIN CALC
000280         OBCURRA  DS    A                  OBTAIN CURRENT
000284         OBDBKEYA DS    A                  OBTAIN REC USING DBKEY
000288         OBDUPLA  DS    A                  OBTAIN DUPLICATE
00028C         OBNEXTA  DS    A                  OBTAIN NEXT IN SET
000290         OBOWNERA DS    A                  OBTAIN OWNER
000294         OBPRIORA DS    A                  OBTAIN PRIOR
000298         ROLLBKA  DS    A                  ROLLBACK
00029C         STRECA   DS    A                  STORE
0002A0         ACOWDBKA DS    A                  ACCEPT OWNER DBKEY
0002A4         PRNTERRA DS    A                  PRINT ERROR AND ABEND
0002A8         NXTFUNCA DS    A                  NEXT FUNCTION ROUTINE        ECM85051
0002AC         STATOK   DS    CL4'0000'
0002B0         ENDOFSET DS    CL4'0307'
0002B4         NOTFOUND DS    CL4'0326'
0002B8         RELNTDFN DS    CL4'0233'
               *
               * *** FLAGS AND FIELDS FOR RHDCOMFS.
               *
               * FIELD SELECTION ACTION CODE
               EDIT     #FLAG X'80'               SELECT FIELDS FOR EDITING
               DELETE   #FLAG X'40'               FLAG FIELDS FOR DELETION
               COPY     #FLAG X'20'               COPY FIELD CHARACTERISTICS
               FINISH   #FLAG X'10'               IMMEDIATELY COMPLETE DICT MAINT
               GNRATE   #FLAG X'08'               GENRATE MAP LOAD MODULE
0002BC         FSACTION DS    XL1                 FIELD SELECTION ACTION FLAGS
               * FIELD SELECTION GROUPING
               NEW      #FLAG X'80'               SELECT JUST NEW FIELDS
               ALL      #FLAG X'40'               SELECT ALL FIELDS
0002BD         FSGROUP  DS    XL1                 FIELD SELECTION GROUPING FLAGS
               * FIELD SELECTION FIELD TYPE
               DATA     #FLAG X'80'               SELECT FROM DATA FIELDS ONLY
               LITERAL  #FLAG X'40'               SELECT FROM LITERALS ONLY
               MESSAGE  #FLAG X'20'               SELECT MESSAGE FIELD
               RSPNSE   #FLAG X'10'               SELECT RESPONSE FIELD
               ALLTYPE  #FLAG X'01'               ALL TYPES PARTICIPATE IN SELECTION
0002BE         FSTYPE   DS    XL1                 FIELD SELECTION FIELD TYPE
               *
               ROWSEQ   #FLAG X'80'               INCREMENT SUBSCRIPT ROW-WISE
               COLSEQ   #FLAG X'48'               INCREMENT SUBSCRIPT COLUMN-WISE
               FSEXTD   #FLAG X'20'               DEFAULT EXTENDED SCREEN
               FSERR    #FLAG X'01'               ERROR IN SELECTION CRITERIA
0002BF         OMFSFLAG DS    XL1                 FLAGS FOR RHDCOMFS
               *
0002C0         SUBSINCR DS    H                  INCREMENT FOR SUBSCRIPTED DFLDS
0002C2         CURSUBS  DS    H                  CURRENT SUBSCRIPT VALUE FOR COPY
0002C4         COPYSRCE DS    F                  OFFSET OF SOURCE MFCB FOR COPY
               *
0002C8         FROMRC   DS    0H                  WITHIN MAP FROM
0002C8         FROMROW  DS    X                                  ROW
0002C9         FROMCOL  DS    X                                  COL
0002CA         TORC     DS    0H                            TO
0002CA         TOROW    DS    X                                  ROW
0002CB         TOCOL    DS    X                                  COL
               *
               * *** FLAGS FOR RHDCOMFE
               *
               VERFLDS  #FLAG X'80'               OMAR CALLED - RCD VER CHG   JEP84320
               MAPDONE  #FLAG X'40'               ALL UPDATES TO MAP ARE IN DICT
               CRITMSG  #FLAG X'20'               PUT OUT CRITICAL CHG MSG *RQE84142*
               WRAP     #FLAG X'10'               LAST FIELD WRAPS AROUND MAP ECM84229
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                OM32     #FLAG X'08'               OMFE MAP IN USE IS RHDCOM32
                *MORDER  #FLAG X'04'               EXPL PFLD(N)<--DFLD(N) WAS CDKJ86231
                OMMSG2T  #FLAG X'04'               MESSAGE PROC 2ND PASS       DKJ86231
                OMNOSUB  #FLAG X'02'               NO SUBSCRIPT INDICATOR
                OM34     #FLAG X'01'               OMF2 MAP IN USE IS RHDCOM34
0002CC          OMFEFLAG DS    XL1                FLAGS FOR RHDCOMFE
                *
                * *** FLAGS FOR RHDCOMGP
                *
                DOLLAR   #FLAG X'80'               DOLLAR FOUND
                DECIMAL  #FLAG X'40'               DECIMAL FOUND
                FLTEXPN  #FLAG X'20'               EXPONENT FOR FLOATING PT FOUND
                FLOAT    #FLAG X'10'               FLOATING POINT DFLD         MMR84187
                FIRSTM   #FLAG X'08'               DUPLICATE NEXT ACTIVITY SEL ECM85051
                LOWSUB   #FLAG X'04'               LOWEST IN MULT OCCURING FLD JEP85176
                OCCGRP   #FLAG X'02'               FIELD IN MULT OCCURING GRP  JEP85177
0002CD          OMGPFLAG DS    XL1
0002CE          SUPPCHAR DS    XL1
0002CF          PREVCHAR DS    XL1
                *
                * *** DATA TYPE CODE VALUES
                *
        00000   DATGROUP EQU   00                FIELD IS GROUP
        00001   DATEBCDC EQU   01                EBCDIC CHARACTER STRING
        00002   DATHBNRY EQU   02                2'S COMP BIN HALFWD
        00003   DATFBNRY EQU   03                2'S COMP BIN FULLWD
        00004   DATSPACK EQU   04           SIGNED PACKED DECIMAL
        00005   DATPACK  EQU   05           UNSIGNED PACKED DECIMAL
        00006   DATSZONE EQU   06           SIGNED ZONED DECIMAL
        00007   DATZONE  EQU   07           ZONED DECIMAL
        00008   DATFLTD  EQU   08           DISPLAY FLOATING PT
        00009   DATSFLT  EQU   09           SHORT (4-BYTE) FLOATING PT
        0000A   DATLFLT  EQU   10           LONG  (8-BYTE) FLOATING PT
        0000B   DATBITS  EQU   11           BIT-STRING
        0000C   DATDBNRY EQU   12           DOUBLEWORD BINARY                   DOUBLEWD
0002D0          HOLDPIC  DS    CL32                                             MMR84184
0002F0                   ORG   HOLDPIC                                          JEP85129
0002D0          DISPCL6  DS    CL6                DISPLAY FLD - ONE SUBSCRIPT JEP85129
0002D6                   ORG
0002F0          ERRLEN   DS    H                  LENGTH OF MSG AREA USED SO FAR
0002F2          ERRLIN1  DS    CL159
000391                   DS    CL1                FILLER
000392                   ORG   ERRLIN1
0002F2          ERRLINE  DS    CL79               ERROR LINE FOR 'SHORT SCREENS'
000341                   ORG
000392                   ORG   ERRLIN1
0002F2          ERRPRM1L DS    X                  LENGTH OF ERROR PARM 1
0002F3          ERRPARM1 DS    CL2                VALUE OF ERROR PARM 1
0002F5          ERRPRM2L DS    X                  LENGTH OF ERROR PARM 2
0002F6          ERRPARM2 DS    CL8                VALUE OF ERROR PARM 2
0002FE          ERRPRM3L DS    X                  LENGTH OF ERROR PARM 3
0002FF          ERRPARM3 DS    CL4                VALUE OF ERROR PARM 3
000303          ERRPRM4L DS    X                  LENGTH OF ERROR PARM 4      JEP85340
000304          ERRPARM4 DS    CL32               VALUE OF ERROR PARM 4       JEP85340
000324                   ORG
000392          TASKID   DS    CL8                OLM TASKCODE SAVED HERE
00039A          LASTMOD  DS    CL8                NAME OF LAST CONTROLLING MODULE
                *
                * ***    SUBTASK FIELDS     IDMS/R  UMBRELLA
                *
0003A4          IDMSRCBA DS    A                  IDMS/R-OLM CONTROL BLOCK ADDRESS
                IDMSR    #FLAG X'80'               IDMSR IS DRIVING OLM
                IDMSRER  #FLAG X'40'               IF ON, ERROR FOUND, RETURN TO R
                UMBR     #FLAG X'20'               IF ON, WE'RE UNDER THE UMBRELLA
                SUBPGM   #FLAG IDMSRM+UMBRM        IF ON, OLM IS A SUB PROGRAM
                ERRPARM  #FLAG X'10'               ERROR PARMS WITH THE ERROR MESSAGE
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                IDMSRTN  #FLAG X'08'              RETURN TO IDMS/R (SET ON BY OMGN)
                UMBSWCH  #FLAG X'04'              SWITCH TASK SELECTED (UMBRELLA)
                UMBNEW   #FLAG X'02'              NEW SESSION W/ MAP NAME (UMBRELLA)
                ABTSUB   #FLAG X'01'              SUBTASK ABORT IN PROGRESS*RQE84123*
0003A8          IDMSRFG1 DS    X                  FIRST FLAG BYTE FOR IDMS/R
0003A9          UMBUNXF  DS    X                  NEXT TASK OLD/NEW FLAG (UMBRELLA)
                PARMS7   #FLAG X'80'              7 PARMS FOR SUBTASK WTL  *RQE84123*
                ERRPMSB  #FLAG X'40'              2 PARMS (2,3) FOR ST WTL *RQE84123*
                ERRPMS1  #FLAG X'20'              1 PARM  FOR SUBTASK WTL  *RQE84129*
                ERRPMS2  #FLAG X'10'              2 PARMS (1,2) FOR ST WL  *RQE84129*
                TCFRSO   #FLAG X'08'              USE Q'S DICTNAME & NODE  *RQE84240*
0003AA          IDMSRFG2 DS    X                  2ND FLAG FOR IDMS AND TCF*RQE84123*
0003AB          WKFRHOLD DS    X                  TEMP HOLD OF CURR $R SEQ *RQE84123*
0003AC          UMBUNXT  DS    CL8                NEXT TASK CODE FOR TCF (UMBRELLA)
0003B4          WKSTDEC  DS    F                  HOLD DEC POSITONS           ECM85275
                *
                * *** NOTE... MAPQNAME DEFINES THE QUEUE NAME OF THE CURRENT MAP'S
                * ***         MAP CONTROL QUEUE (MQR).
                *
0003B8          MAPQNAME DS    CL16               MAP NAME AND VERSION
0003C8                   ORG   MAPQNAME
0003B8          QUEID    DS    CL4                QUEUE   ID
0003BC          MAPNAME  DS    CL8                NAME OF MAP
0003C4          MAPVER   DS    CL4                MAP VERSION (IN DISPLAY FORMAT)
0003C8                   ORG
0003C8          SUBREG12 DS    F                  SAVE R12 FOR SUBABT      *RQE84123*
0003CC          SUBREG14 DS    F                  SAVE R14 FOR SUBABT      *RQE84123*
0003D0          SUBREGS  DS    4F                 MORE REGS FOR SUBABT     *RQE84123*
0003E0                   ORG   SUBREGS                                       JEP84320
0003D0          ARSREGS  DS    4F                 SAVE AREA RCD VERSION CHG   JEP84320
0003E0                   ORG
0003E0          USRID    DS    CL32               USER ID FROM SIGNON ELEMT*RQE84152*
000400          USRDBK   DS    F                  DBKEY OF SIGNED ON USER           *
000404          CHCKRET  DS    F                  SAVE R15 OMFE/F2 CHCKLEN *ECM84181*
000408          WKROW    DS    H                  OMFE/OMF2 CALC NBR ROWS  *ECM84181*
00040A          WKFRLEN  DS    H                  TOT LEN OF $R FIELD(S)   *ECM84181*
00040C          WKSAVR4  DS    F                  SAVE R4 OMFE CALLS CHCKLEN  ECM84229
000410          WKSAVR3  DS    F                  SAVE R3 OMFE CALLS MAPBIND  ECM84229
000414                   ORG   WKSAVR3
000410          WKSAVDB  DS    F                  TEMP SAVE OF DB KEY/OMXE
                ***                                                        CWO030885
                *** FOLLOWING ROUTINES ARE TO SUPPORT MULTIPLE INDICES      CWO030885
                ***                                                        CWO030885
000414          CALCSUBA DS    A                 CALC SUBSCRIPTS            CWO030885
000418          ABSOCCRA DS    A                 ABSOLUTE OCCURRANCE        CWO030885
00041C          CALOCCLA DS    A                 CALL IDMSOCCL              CWO030885
000420          IXVALUSA DS    A                 INDEX VALUES               CWO041085
000424          IXSTRNGA DS    A                 INDEX STRING               CWO041085
000428                   ORG
000428          WKSVEPIC DS    A                 SAVE MFCBEPIC OMXE           ECM85080
00042C          WKSVEPLN DS    H                 SAVE MFCBEPLN OMXE           ECM85080
00042E          WKSVFLEN DS    H                 SAVE MFCBFLEN OMXE           ECM85080
000430          WKSAVR8  DS    F                 SAVE CONTENTS R8/OMXE        ECM85080
000434          WKSAVR2  DS    F                 SAVE CONTENTS R2/OMXE        ECM85080
000438          STKOCCRA DS    A                 ADDRESS OF THE STACK         JEP85108
00043C          STKCNT   DS    H                 ENTRIES IN THE STACK         JEP85108
00043E          STKWRKX  DS    H                 WORK INDEX                   JEP85108
000440          MAXOCCR2 DS    H                 MAXIMUM OCCURRENCES          JEP85108
000442          MAXOCCR3 DS    H                 MAXIMUM OCCURRENCES          JEP85144
000444          WKSAVOFF DS    H                 SAVED OFFSET TO FLD IN REC *LCB86062*
000446          WKSAVLVL DS    CL2               SAVED LEVEL # OF FLD IN REC*LCB86062*
000448          WKSAVODO DS    CL32              SAVED OCCURS DEP ON NAME   *LCB86064*
000468                   DS    4F                RESERVED                   *LCB86064*
000478          SHFTINL  DS    H                  LENGTH OF SHIFTIN SEQUENCE     BZJ
00047A          SHFTOUTL DS    H                  LENGTH OF SHIFTOUT SEQUENCE    BZJ
00047C          SHFTINP  DS    H                  # SCREEN POSITIONS OF SHIFTIN  BZJ
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00047E         SHFTOUTP DS    H                  # SCREEN POSITIONS OF SHIFTOUT BZJ
000480         SHFTADJ  DS    H                  LINEAR ADDRESS ADJUSTER        BZJ
000482         DBCHARL  DS    H                  LENGTH OF ONE DBCS CHARACTER   BZJ
000484         SHFTINS  DS    XL3                SHIFTIN SEQUENCE               BZJ
000487         SHFTOUTS DS    XL3                SHIFTOUT SEQUENCE              BZJ
00048A         DBEBCDIC DS    XL3                DBCS EBCDIC PREFIX             BZJ
               DBCSFLD  #FLAG X'01'              MAP HAS DBCS FIELDS            BZJ
               DBCACTV  #FLAG X'80'              ON IF DBCS SUPPORT ACTIVE      BZJ
00048D         DBCFLAG  DS    XL1                DBCS FLAGS                     BZJ
00048E                  DS    H                  RESERVED                       JMA
000490         REGOMFE1 DS    F                  REG SAVE FOR OMFE              JMA
000494         REGOMFE2 DS    F                  REG SAVE FOR OMFE              JMA
000498         TECH16FW DS    16F                TECH SUPPORT REGISTER SAVE     JMA
        004D8  OLMWKDSL EQU   *-OLMWK            LENGTH OF DSECT
```

1.93 #OLQDS

```
                         COPY #OLQDS
                 ****************************************************************
                 ***                                                          ***
                 ***           OLQ: OLQ CONTROL BLOCK DSECT                   ***
                 ***                                                          ***
                 ***   THIS DESCRIBES INFORMATION NEEDED BY THE RUNTIME OLQ.  ***
                 ***   IT IS BUILT AT SYSTEM STARTUP FROM SYSGEN DATA ON      ***
                 ***   THE DICTIONARY.                                        ***
                 ***                                                          ***
                 ****************************************************************

Offset  Value

                         PRINT NOGEN
000000           OLQ     DSECT                          10:54:58 05/31/86   10/17/90
000000           OLQID   DS    CL4                 "OLQ*"
000004           OLQLNS  DS    H                   PRINT LINE SIZE
000006           OLQPGS  DS    H                   PRINT PAGE SIZE
000008           OLQICT  DS    H                   INTERRUPT COUNT
00000A           OLQISP  DS    H                   INTERNAL STG PAGE SIZE
00000C           OLQRFP  DS    H                   REPORT FILE PAGE SIZE
00000E           OLQIPSZ DS    H                   INPUT LINE SIZE
000010           OLQRGRR DS    H                   REPORT RETENTION
000012           OLQMXRR DS    H                   MAXIMUM REPORT RETENTION
000014           OLQMXRP DS    H                   MAXIMUM REPORT PAGES
000016           OLQMXRC DS    H                   MAXIMUM REPORTS COUNT
000018           OLQRGQR DS    H                   USER QUEUE RETENTION
                 OLQNMU  #FLAG X'20'                 -  MENU MODE DISALLOWED
                 OLQOMU  #FLAG X'10'                 -  MENU MODE ONLY
                 OLQUPL  #FLAG X'08'                 -  UPLOW CASE
                 OLQSHI  #FLAG X'04'                 -  SECURITY - HIGH
                 OLQSLO  #FLAG X'02'                 -  SECURITY - LOW
                 OLQSNO  #FLAG X'01'                 -  SECURITY - NO
00001A           OLQFL1  DS    X                   FLAG BYTE 1
                 OLQSQCA #FLAG X'10'               COMPLIANCE IS ANSI            R12.0
                 OLQSQCF #FLAG X'08'               COMPLIANCE IS FIPS            R12.0
                 OLQSQCS #FLAG X'04'               COMPLIANCE IS SAA             R12.0
                 OLQSQCC #FLAG X'02'               COMPLIANCE IS EXTENDED        R12.0
                 OLQSQLR #FLAG X'01'               SQL IS REAL (IDMSSQL)         R12.0
00001B           OLQFL2  DS    X                   FLAG BYTE 2
00001C           OLQCONT DS    C                   CONTINUATION CHARACTER
00001D           OLQSEPA DS    C                   SEPARATOR CHARACTER
00001E           OLQCOMM DS    C                   COMMENT CHARACTER
00001F           OLQTXI  DS    CL8                 TRANSACTION IDENTIFIER
000027           OLQPMOD DS    CL8                 PFKEY MODULE NAME
000030           OLQMXIC DS    F                   MAXIMUM INTERRUPT COUNT
000034           OLQRDIC DS    CL8                 REPORT DICTIONARY NAME
00003C           OLQMXSS DS    H                   MAXIMUM SORT SPACE IN K BYTES
00003E           OLQBTCL DS    H                   BATCH CLASS
        00040    OLQLEN  EQU   *-OLQ               LENGTH OF DSECT
                         PRINT GEN
```

1.94 #OPIDS

```
                         COPY #OPIDS
                ***
                ***
                ***  OPI:     IDMSOPTI OPTIONS FOR INTERFACE ELEMENT
                ***                              (ALSO MAPS SYSCTL RECORDS)
                ***          SYSCTL FILE CONTAINS 2 RECORDS.  THE FIRST RECORD
                ***          MAPS OPIDS THRU OPICENT INCLUSIVE. THE 2ND RECORD
                ***          BEGINS WITH OPINODE.  RECORDS ARE 20 BYTES EACH.
                ***

Offset  Value

000000          OPI      DSECT                           03/18/88 13:34:28   08/11/90
000000          07FEOPIRTN   BR    14
000002          OPIEXT   DS    CL2                     "ND" - NODE/DBNAME EXTENSION
000004          OPIID    DS    CL4                     "OPI "
000008          OPICSVCE DS    A                       A(CSVCE)
00000C          OPISVC   DS    0H                      SVC INSTRUCTION
00000C                   DS    C
00000D          OPISVCNO DS    XL1                     SVC NUMBER
00000E          07F4         BR    4                     RETURN FROM SVC
000010          OPICVNUM DS    XL1                     CV NUMBER
000011          OPIPAKET DS    XL1                     PAK MODE REQUEST
000012          OPIUPSI  DS    XL1                     DOS UPSI BITS (IF ANY)
000013          OPICENT  DS    XL1                     0=LOCAL 1=EITHER 2=CENTRAL
                *  END OF FIRST SYSCTL RECORD
000014          OPISYSCT DS    0CL8                    SYSCTL NAME (NOT ON FILE)
000014          OPIVMACH DS    CL8                     NAME OF VMCF CV'S VIRT MACHIN
                * START OF 2ND SYSCTL RECORD
00001C          OPINODE  DS    CL8                     SDS NODENAME
000024          OPIDBNM  DS    CL8                     DBNAME FOR SS MASSAGE
00002C          OPIDBFLG DS    XL1                     NODENAME/DBNAME FLAG
                *               X'80' - NODENAM CODED IS ALWAYS USED
                *               X'40' - DBNAME CODED IS ALWAYS USED
00002D          OPISYFLG DS    XL1
                *               X'80' - OPISYSCT/OPIVMACH FIELD USED FOR OPISYSCT
00002E                   DS    XL2
000030                   DS    0F
        00030   OPIDSLEN EQU   *-OPI                   LENGTH OF DSECT
```

1.95 #OPTDS

```
                         COPY #OPTDS
                 ********************************************************************
                 ***                                                              ***
                 *** OPT:    STARTUP OPTIONS TABLE                                ***
                 ***                                                              ***
                 ********************************************************************

Offset  Value

000000           OPT      DSECT
                          PRINT NOGEN
000000           OPTNTRYA DS    V(RHDCNTRY)         MAIN STARTUP PROGRAM.
000004           OPTCSAA  DS    A                   CSA CSECT
000008                    DS    F                   Used to be OPTDBIOL
                 ***                                FW LENGTH OF IDMSDBMS MOVED 6/86
00000C           OPTDBIOP DS    A                   A(IDMSDBIO's PDE).
000010           OPTDBMSP DS    A                   A(IDMSDBMS's PDE).
000014           OPTCCEA  DS    A                   IDMS CENTRAL CONTROL ELEMENT
000018           OPTPDTA  DS    A                   PROGRAM DEFINITION TABLE.
00001C           OPTQDTA  DS    A                   QUEUE DEFINITION TABLE.
000020           OPTRUTA  DS    A                   RUN UNIT TABLE
000024           OPTTDTA  DS    A                   TASK DEFINITION TABLE.
000028           OPTDSVCA DS    F                   IDMSDSVC LOAD MODULE ENTRY POINT.
00002C           OPTFREE  DS    F                   STG FREED BY GTRMNDR IN K.
000030           OPTORTCD DS    F                   OS ROUTE CODES
000034           OPTPARM  DS    CL20                FOR EXEC PARAMETERS
000048                    ORG   OPTPARM
000034           OPTPARM1 DS    CL8           NAME OF TEST PROGRAM TO BE RUN AT STARTUP
00003C           OPTPARM2 DS    C             'U' => RUN TEST PROGRAM IN USER MODE
00003D           OPTPARM3 DS    C             'S' => ATTACH TCKR & CHKR FROM STEPLIB
00003E           OPTPARM4 DS    C             'N' => DON'T ATTACH STARTUP AUTOTASKS
00003F                    ORG
000048           OPTASTGL DS    H                   LENGTH OF ABEND WORK STG IN WORDS
00004A           OPTMAXT  DS    H                   MAXIMUM TASKS ALLOWED.
00004C           OPTECBL  DS    H                   LNTH OF EXTRNL ECB LIST IN WORDS.
00004E           OPTMAXTO DS    H                   MAXIMUM NON-ERUS TASKS ALLOWED
000050           OPTPCBFP DS    A                   BEG PROD CONTROL BLKS, FOR FET PROT
000054           OPTSTKSZ DS    H                   NUMBER OF WORDS IN TCE STACK.
000056           OPTRLECT DS    H                   NUMBER OF RLE'S TO BE ALLOCATED.
000058           OPTRCECT DS    H                   NUMBER OF RCE'S TO BE ALLOCATED.
00005A           OPTDPECT DS    H                   NUMBER OF DPE'S TO BE ALLOCATED.
00005C           OPTRWYCN DS    H                   RUNAWAY TASK TIME INTERVAL.
00005E           OPTINACN DS    H                   INACTIVE TASK TIME INTERVAL.
000060           OPTTRCSZ DS    H                   NUMBER OF TRACE BUFFERS.
000062           OPTDCVID DS    H                   DC VERSION ID
000064           OPTLENTH DS    H                   LENGTH OF THIS DSECT
000066           OPTOPSYS DS    XL1                 OPERATING SYSTEM NUMERIC CODE
000067           OPTMSGLV DS    XL1                 MESSAGE LEVEL
                 OPTPROT  #FLAG X'80'               STORAGE PROTECTION REQUESTED.
                 OPTTRCE  #FLAG X'40'               TRACE REQUESTED.
                 OPTDUMP  #FLAG X'20'               DUMP REQUESTED ON SYSTEM ABEND.
                 OPTIDMS  #FLAG X'10'               STAND ALONE IDMS
                 OPTTIMR  #FLAG X'08'               TIMER IS SUPPORTED
                 OPTSTGG  #FLAG X'04'               STORAGE REQUESTS USE GETVIS.
                 OPTMP    #FLAG X'02'               SYSTEM IS MP SYSTEM.
                 OPTTFON  #FLAG X'01'               TILF LOGGING IS TURNED ON.
000068           OPTFLAG1 DS    XL1
                 OPTSTTI  #FLAG X'80'               STATS DRIVEN BY TIMER.
                 OPTSTTK  #FLAG X'40'               STATS COLLECTED FOR EACH TASK.
                 OPTSTLI  #FLAG X'20'               STATS COLLECTED FOR EACH LINE.
                 OPTSTUS  #FLAG X'10'               STATS COLLECTED FOR USER MODE.
                 OPTSTTW  #FLAG X'08'               STATS WRITTEN OUT PER TASK.
                 OPTSTDB  #FLAG X'04'               STATS WRITTEN TO DB LOG.
```

```
Offset  Value

                OPTLGDB  #FLAG X'02'               LOG GOES TO DATABASE.
                OPTUTRC  #FLAG X'01'               USER TRACE TURNED ON.
000069          OPTFLAG2 DS    XL1                 LOOKS LIKE CSAFLAG3.
00006A          OPTVERID DS    CL1                 CURRENT VERSION OF OPTION TABLE.
        000F1   OPTCURID EQU   C'1'                VERSION OF OPTION TABLE FORMAT.
00006B          OPTSKY   DS    XL1                 ALTERNATE STORAGE KEY.
00006C          OPTOS00A DS    V(RHDCOS00)         ADDRESS OF OS00 MODULE.
000070          OPTTCKIN DS    F                   TICK INTERVAL IN SECONDS*100.
000074          OPTLGDTF DS    A                   ADDRESS OF PROTOTYPE LOG DTF.
000078          OPTLGTH1 DS    F                   THRESHOLD FOR LOG FILE 1.
00007C          OPTLGTH2 DS    F                   THRESHOLD FOR LOG FILE 2.
                *  LOG THRESHOLDS--(0) MEANS INFINITE, (-1) MEANS FILE NOT DEFINED.
000080          OPTLG    DS    0H                  AREA FOR LOG INFORMATION.
000080          OPTLGLU1 DS    XL1                 LOGICAL UNIT NUM OF FIRST LOG.
000081          OPTLGLU2 DS    XL1                 LOGICAL UNIT NUM OF SECOND LOG.
                *  LOGICAL UNIT NUMBERS ARE THERE FOR DTFPR AND DTFDI,
                *  AND FOR SYSLST(DTFDI) ARE SET TO 255,0.
000082                   ORG   OPTLG
000080          OPTLGDD1 DS    CL8                 DDNAME/DTFSD NAME FOR FILE 1.
000088          OPTLGDD2 DS    CL8                 DDNAME/DTFSD NAME FOR FILE 2.
000090          OPTDDINT DS    H                   DEADLOCK DETECT. INTVL.  JDM 7/89
000092          OPTDDSTI DS    H                   DEADLOCK STALL INTVL.    JDM 7/89
000094          OPTQUISN DS    H                   QUIESCE wait interval (in seconds)
000096                   DS    H                   UNUSED
000098                   DS    CL8                 Used to be OPTDBMSL
0000A0          OPTCWASZ DS    F                   SIZE IN BYTES OF CWA.
0000A4          OPTSTTIN DS    H                   INTERVAL IN SECONDS FOR STATS.
0000A6          OPTUTRSZ DS    H                   NUMBER OF USER TRACE BUFFERS.
0000A8          OPTRELTH DS    CL1                 RELOCATION THRESHOLD    *88-04-1079*
                OPTFETP  #FLAG X'80'               ON IF FETCH PROTECTED     2/85
                OPTSECD  #FLAG X'40'               ON IF SECURED             2/85
                         #FLAG X'20'
                         #FLAG X'10'
                         #FLAG X'08'
                         #FLAG X'04'
                         #FLAG X'02'
                         #FLAG X'01'
0000A9          OPTFLAG4 DS    XL1
                OPTSQBF  #FLAG X'80'               JOURNAL ONLY BEFORE IMAGES (DCRUN)
                OPTSQNO  #FLAG X'40'               NO JOURNALLING OF DCRUN AREA
                *OPTSQQX #FLAG X'20'               QUEUE AREA EXTENT AREA  JIC090684
                *                                   QUEUE EXTENTS REMOVED  *CRM880712*
0000AA          OPTSQFLG DS    XL1                 FLAG TO CONTROL DCRUN JOURNALLING
                OPTCV    #FLAG X'80'               CV ONLY, NO LINES.
                OPTBLDL  #FLAG X'40'               BLDL'S AT STARTUP
                OPTTRST  #FLAG X'20'               STATS COLLECTED FOR EACH TRAN.
                OPTMAGN  #FLAG X'10'               MAGNUSON MICRO CODED ASSIST ENABLE
                OPTORL   #FLAG X'08'               ONLINE RSCE LIM REQ'D   JIC031684
                OPTERL   #FLAG X'04'               EXTRNL RSCE LIM REQ'D   JIC031684
                OPTOLE   #FLAG X'02'               ONLINE RSCE LIM ENABLE  JIC040184
                OPTELE   #FLAG X'01'               EXTRNL RSCE LIM DISABLE JIC040184
0000AB          OPTFLAG3 DS    XL1
0000AC          OPTOCBA  DS    A                   ADDRESS OF OCB CONTROL BLOCK
0000B0          OPTRSINT DS    H                   KEPT RESOURCES TIMEOUT INTERVAL
0000B2          OPTRSPGM DS    CL8                 KEPT RESOURCES TIMEOUT PROGRAM
0000BA          OPTRSPGV DS    H                   KEPT RESOURCES TIMEOUT PROGRAM VER
0000BC          OPTSDSA  DS    F                   ADDRESS OF SDS CONTROL BLOCK
0000C0          OPTOLQA  DS    F                   ADDRESS OF OLQ CONTROL BLOCK
0000C4          OPTDUBA  DS    F                   ADDRESS OF DUB CONTROL BLOCK
0000C8          OPTSCTSZ DS    F                   NUMBER OF STORAGE PAGES.
0000CC          OPTCUSHN DS    F                   NUMBER OF PAGES IN CUSHION.
0000D0          OPTPGMPL DS    F                   # OF PAGES IN PROGRAM POOL.
0000D4          OPTRENTP DS    F                   RENT PGM POOL SIZE IN 512 BYTE HUNKS
0000D8          OPTPGMXA DS    F                   XA PROGRAM POOL SIZE IN K.
0000DC          OPTRENXA DS    F                   XA REENTRANT POOL SIZE IN K.
0000E0          OPTRLBA  DS    A                   SYSTEM WIDE RLB ADDRESS
```

```
Offset  Value

0000E4                  DS    A                   Reserved
0000E8          OPTMTYPA DS   A                   ADDR OF ALTERNATE MAP TABLE.
0000EC          OPTLDTA  DS   F                   ADDR OF LOADLIST TABLE
0000F0          OPTSCAA  DS   F                   ADDR OF 1ST SCA
0000F4          OPTSCA#  DS   H                   NUMBER OF SUBTASK CONTROL AREAS
0000F6          OPTILECT DS   H                   NUMBER OF ILE'S
0000F8          OPTLDLST DS   CL8                 SYSTEM LOADLIST NAME
000100          OPTSCTXS DS   F                   XA STORAGE POOL SIZE    *PHG XABUFF*
        00108   OPTDSLEN EQU  ((*-OPT+7)/8)*8     LENGTH OF DSECT ROUNDED UP.
000104          OPTRMPSZ DS   0F,H                # OF ENTRIES IN REGION MAP
000106          OPTRMPMX DS   H                   MAX # OF ENTRIES IN REGION MAP.
000108          OPTMPLIT DS   CL8                 LITERAL 'RGNMAP'
000110          OPTRMAP  DS   0F                  START OF REGION MAP TABLE
                         PRINT GEN
```

1.96 #PAGADCN

```
                    COPY #PAGADCN

Offset  Value

000000          PAGADCN  DSECT                           15:26:38 04/17/84
                ************************************************************
                ***                                                      ***
                ***     PAGADCN - LIST OF ADDRESS CONSTANTS FILLED IN    ***
                ***     BY RHDCMAPR AND PASSED TO RHDCPAGR WHEN MAPR     ***
                ***     RECEIVES A START PAGING SESSION (OR #STRTPAG)    ***
                ***     COMMAND.                                         ***
                ***                                                      ***
                ***                                                      ***
                ***                                                      ***
                ***                                                      ***
                ************************************************************
                *                                     RHDCMAPR ROUTINES:
000000          PAGENDRC DS    A                      CALC END ROW/COL FOR MAP FIELD
000004          PAGGETM  DS    A                      GET THE MRE FOR AN MCE
000008          PAGMVATT DS    A                      MOVE ATTRIBUTES TO DATASTREAM
00000C          PAGPTFLD DS    A                      COMPUTE ADDRESS FOR A DFLD
000010          PAGROWCL DS    A                      CONVERT 3270 SCREEN ADDRESS
000014          PAGENDAD DS    A                      ENDING FLD ADDR TO DATASTREAM
000018          PAGSBACU DS    A                      SBA ORDER, CURSOR
00001C          PAGSBAAD DS    A                      SBA ORDER
000020          PAGDEVCL DS    A                      DETERMINE 3270 DEVICE CLASS
000024          PAGNXTB  DS    A                      NEXT DC INPUT BUFFER
000028          PAGCHKR  DS    A                      CHECK IF INPUT REQUIRED
00002C          PAGDELMP DS    A                      DELETE MAP LOAD MODULE
000030          PAGSETMP DS    A                      SET ALTERNATE MAP NAME
```

1.97 #PAGDS

```
                        COPY #PAGDS

Offset  Value

000000          PAGDS   DSECT
                ******************************************************************
                *                                                                *
                * #PAGDS - MAP PAGING PARAMETER LIST                             *
                *                                                                *
                * PAGDS DESCRIBES THE PARAMETER LIST PASSED TO RHDCPAGR BY       *
                * #STRTPAG, ENDPAG, OR MSTRPAG.                                  *
                *                                                                *
                ******************************************************************
000000          PAGCONST DS    CL4                 EYE CATCHER =C'PAG*'
                PAGSTRT  #FLAG X'01'               START SESSION
000004          PAGSTRTI DS    0XL1
        00001   PAGSTRTM EQU   X'01'
                PAGEND   #FLAG X'02'               END SESSION
000004          PAGENDI  DS    0XL1
        00002   PAGENDM  EQU   X'02'
                PAGTERM  #FLAG X'04'               TERMINAL SESSION
000004          PAGTERMI DS    0XL1
        00004   PAGTERMM EQU   X'04'
000004          PAGACT   DS    X                   ACTION TO TAKE
000005          PAGMRB   DS    CL8                 MAP NAME
                PAGWAIT  #FLAG X'02'               WAIT
00000D          PAGWAITI DS    0XL1
        00002   PAGWAITM EQU   X'02'
                PAGNOWT  #FLAG X'04'               NOWAIT
00000D          PAGNOWTI DS    0XL1
        00004   PAGNOWTM EQU   X'04'
                PAGRET   #FLAG X'08'               RETURN
00000D          PAGRETI  DS    0XL1
        00008   PAGRETM  EQU   X'08'
00000D          PAGTYPE  DS    X                   TYPE OF SESSION
                PAGBKPG  #FLAG X'01'               BACKPAGE
00000E          PAGBKPGI DS    0XL1
        00001   PAGBKPGM EQU   X'01'
                PAGBRWS  #FLAG X'02'               BROWSE
00000E          PAGBRWSI DS    0XL1
        00002   PAGBRWSM EQU   X'02'
                PAGNAMO  #FLAG X'04'               NO AUTO MAPOUT              DKJ86211
00000E          PAGNAMOI DS    0XL1
        00004   PAGNAMOM EQU   X'04'
00000E          PAGFLAG  DS    X                   FLAG OPTIONS
00000F          PAGEEND  DS    X                   END OF LIST
        00010   PAGLEN   EQU   *-PAGDS             LENGTH
```

1.98 #PAKDS

```
                         COPY #PAKDS
                ***
                ***
                ***  PAK:     PAKET DATA MOVEMENT BUFFER
                ***
                ***

Offset  Value

000000          PAKPRFIX DSECT                          10:43:44 01/27/86
000000          PAKLRECL DS    F                       LENGTH OF PAKET TO MOVE ACROSS
000004          PAKLPAK  DS    H                       LENGTH FROM SVC PACK FUNC
000006          PAKLFULL DS    H                       LENGTH OF FULL PAKET
000008          PAKROUTE DS    15F                     PAKET ROUTING INFO
000044          PAKRQFLG DS    X                       REQUEST FLAG
        00008   PAKRQSON EQU   X'08'                   SINON RU  (SAME AS MRERQSON)
        00004   PAKRQSOF EQU   X'04'                   SINOFF RU (SAME AS MRERQSOF)
        00002   PAKRQAB  EQU   X'02'                   ABORT RU  (SAME AS MRERQAB)
                PAKR3    #FLAG X'80'                   BACKEND IS RELEASE 3.0.
000045          PAKR3I   DS    0XL1
        00080   PAKR3M   EQU   X'80'
000045          PAKFLAGS DS    X                       FLAG BYTE.
000046          PAKMREN  DS    H                       MRE NUMBER
000048          PAKPINFO DS    F                       SSC PAGE GROUP/DBKEY RADIX
00004C          PAKBNDD  DS    F                       DISP OF BND TABLE FROM PAK
        00050   PAKPFLEN EQU   *-PAKPRFIX               END OF PAKET PREFIX
000050          PAK      DS    0C
000050          PAKSSC2A DS    A                       A(DUMMY CV SSC)
000054          PAKLEN   DS    F                       LNGTH OF PAK (EXCLUDING BND)
000058          PAKBNDA  DS    A                       A(BND)
        00080   PAKBNDSW EQU   X'80'                   1ST TIME SWITCH IN HI ORDER
                *                                       BYTE OF PAKBNDA;  USED BY
                *                                       VMCF CODE TO SEND BIND TBL
                *                                       THE FIRST TIME ONLY
00005C          PAKBNDL  DS    H                       NUMBER OF BND ENTRIES
00005E          PAKFUNC  DS    XL1                     FUNCTION NUMBER
00005F          PAKXPARM DS    XL1                     EXTRA PARM FLAG
        00001   PAKXOBTN EQU   X'01'                   OBTAIN FLAG
        00002   PAKXKEEP EQU   X'02'                   KEEP FLAG
        00004   PAKXKEEX EQU   X'04'                   KEEP EXCL FLAG
        00008   PAKXRDYA EQU   X'08'                   READY AREANAME FLAG
        00010   PAKXPAND EQU   X'10'                   EXPAND-MODIFY FLAG
        00020   PAKXRTNK EQU   X'20'                   RETURN 'KEY INTO' FLAG.
000060          PAKNAME1 DS    CL16                    FIRST REC/SET/AREA NAME
000070          PAKDIRDB DS    0F                      SUGGESTED DBKEY
000070          PAKNAME2 DS    CL16                    SECOND REC/SET/AREA NAME
000080          PAKSSC   DS    0CL88                   SSC ERRSTAT/DBK/NAMES
000080          PAKSTAT  DS    0CL4                    SSC ERRSTAT
000080          PAKSTAT1 DS    CL2                     SSC MAJOR STATUS CODE
000082          PAKSTAT2 DS    CL2                     SSC MINOR STATUS CODE
000084          PAKDBKEY DS    CL4                     SSC DBKEY
000088          PAKNAMES DS    5CL16                   SSC NAMES
0000D8          PAKTEXT  DS    0D                      REC/SORTKEY/IDENTIFIER DATA
        00088   PAKDSLEN EQU   *-PAK                   LENGTH OF DSECT FROM PAK
        000D8   PAKTOLEN EQU   PAKPFLEN+PAKDSLEN       PAKET PREFIX + PAKET LENGTH
                ***  PARAMETERS FOR THE ALLOX VERB
0000D8                  ORG   PAKNAMES
000088          PAKPRIM  DS    F                       PRIMARY ALLOCATION
00008C          PAKSCND  DS    F                       SECONDARY ALLOCATION
000090          PAKMAX   DS    F                       MAXIMUM ALLOCATION
000094          PAKRELN  DS    CL16                    OLD LN FOR RENAME
0000A4          PAKREAR  DS    CL16                    OLD AREA FOR RENAME
```

```
        0002C  PAKALLEN EQU   *-PAKPRIM                LENGTH OF ALLOX PARMS
               ***  PARAMETERS FOR THE READY EXTENT VERB
0000B4                 ORG   PAKNAMES
000088         PAKID    DS    CL16                    ID
000098         PAKLOCK  DS    CL4                     LOCK
00009C         PAKRETN  DS    F                       RETENTION
0000A0         PAKNWMAX DS    F                       NEW MAXIMUM
0000A4         PAKUNKN  DS    F                       UNKNOWN FUTURE EXPANSION.
        00020  PAKRDLEN EQU   *-PAKID                 LENGTH OF READY EXTENT PARMS
               ***
               ***
               ***  BND:     PAKET DATA MOVEMENT RECORD BINDINGS TABLE
               ***
               ***
000000         BND      DSECT
000000         BNDNAME  DS    CL16             RECORD NAME
000010         BNDADDR  DS    A                APPL PROG BIND ADDRESS
000014         BNDLEN   DS    H                MAX SUBSCHEMA RECORD LENGTH
000016         BNDSREC  DS    X                SUPABIND THIS REC PENDING   IDMS/1483
        00080  BNDRECD  EQU   X'80'                                        IDMS/1483
000017         BNDSPND  DS    X                SUPABIND A REC BIND PENDING IDMS/1483
        00080  BNDPEND  EQU   X'80'              USED IN FIRST BIND ENTRY  IDMS/1483
        00018  BNDDSLEN EQU   *-BND                   LENGTH OF DSECT
000018                 ORG   BNDNAME
               *  NOTE LR NAMES IN TABLE ARE DISPLACED FOR UNIQUENESS
000000                 DS    CL4
000004         BNDLRNAM DS    CL16                    LOGICAL RECORD NAME
000014         BNDLRLEN DS    H                       LOGICAL RECORD LENGTH
000016                 DS    H
```

1.99 #PBLKDS

```
                        COPY #PBLKDS

Offset  Value

000000          PBLK     DSECT                            13:05:33 04/03/84
                ***********************************************************************
                *  PAGING BLOCK STRUCTURE                                             *
                *      THIS STRUCTURE GIVES THE PICTURE FOR THE ENTIRE PAGING         *
                *      SESSION.  IT IS A COLLECTION OF MINI-NODES, EACH NODE          *
                *      REPRESENTING A SCREEN'S WORTH OF NODES, CHAINED TOGETHER.      *
                *      EACH OF THESE BLOCKS CONTAINS INFORMATION ABOUT WHERE THE      *
                *      REAL NODES FOR THE PAGE ARE (IE SCRATCH AREA OR ADDRESS        *
                *      IN CORE.                                                       *
                *      THIS STRUCTURE IS POINTED TO BY THE PGCTLBLK FIELD IN THE      *
                *       PGCTLDS.                                                      *
                ***********************************************************************
000000          PBLKID   DS    CL5                BLOCK IDENTIFIER CONTAINS 'PBLK*'
                PBLKCOM  #FLAG X'01'              PAGE IS COMPLETE
000005          PBLKCOMI DS    0XL1
        00001   PBLKCOMM EQU   X'01'
                PBLKLST  #FLAG X'02'              LAST PAGE OF STRUCTURE
000005          PBLKLSTI DS    0XL1
        00002   PBLKLSTM EQU   X'02'
                PBLKND   #FLAG X'04'              NO DETAIL MNF'S (ONLY LITERALS)
000005          PBLKNDI  DS    0XL1
        00004   PBLKNDM  EQU   X'04'
                PBLKUNA  #FLAG X'08'              PG IS UNAVAIL FOR SCREEN VIEWING
000005          PBLKUNAI DS    0XL1
        00008   PBLKUNAM EQU   X'08'
                *                                       DUE TO BACKPAGE=NO
000005          PBLKFLG  DS    X                  FLAG BYTE
000006                   DS    XL2                RESERVED
000008          PBLKPPG  DS    A                  OFFSET PREVIOUS PAGE
00000C          PBLKNPG  DS    A                  OFFSET NEXT PAGE
000010          PBLKADDR DS    A                  ADDRESS OF 1ST NODE OF PAGE
000014                   DS    XL4                RESERVED
000018          PBLKPG#  DS    F                  PAGE NUMBER (ALSO SRID)
        0001C   PBLLEN   EQU   *-PBLKID           LENGTH OF PBLK
```

1.100 #PDTDS

```
                         COPY #PDTDS
                 ***********************************************************************
                 ***                                                                 ***
                 *** PDTX:  PDT eXtension (program pool descriptor)                 ***
                 ***                                                                 ***
                 ***********************************************************************

Offset  Value

000000           PDTX     DSECT
000000           PDTXNXTA DS    A                   A(Next PDTX)
000004           PDTXFSTA DS    A                   A(first page in pool)
000008           PDTXMAPA DS    A                   A(pool map)
00000C           PDTXPAGE DS    F                   Number of pages in program pool.
000010           PDTXPAGO DS    F                   Total # of pages occupied
000014           PDTXUHWM DS    F                   Highest page # used
000018           PDTXNHWM DS    F                   HWM of pages used in pool
00001C           PDTXHUSE DS    F                   High page currently in use
000020                    DS    2F                  Reserved
000028                    DS    0D                  Good alignment practice
         00005   PDTXDLEN EQU   ((*-PDTX+7)/8)      Length of extension in doublewords
         00028   PDTXDSLN EQU   PDTXDLEN*8          Length of extension in bytes
                 ***********************************************************************
                 ***                                                                 ***
                 *** PDT:   PROGRAM DEFINITION TABLE HEADER DSECT                    ***
                 ***                                                                 ***
                 ***********************************************************************
000000           PDT      DSECT
000000           PDTNPDE  DS    H                   NUMBER OF PDE'S IN TABLE.
000002           PDTESIZE DS    H                   NUMBER OF BYTES IN ONE ENTRY.
000004           PDTKEYOF DS    H                   OFFSET OF KEY IN ENTRY.
000006           PDTKEYL  DS    XL1                 LENGTH OF KEY IN BYTES.
000007           PDTTABFL DS    XL1                 FLAG FOR TABLE SEARCH.
000008           PDTPDEBA DS    A                   ADDRESS OF FIRST PDE IN POOL.
00000C           PDTECB   DS    3A                  ECB FOR POOL PAGES.
000018           PDTRLEA  DS    2A                  RCE ANCHOR FOR PROGRAMS IN POOL.
000020           PDTSLLA  DS    A                   A(SYSTEM LIBRARY LIST)
000024           PDTTBLEN DS    A                   LNGTH OF ENTIRE PDT, W/EXTENSIONS
000028                    DS    XL1                 RESERVED
                 PDTAUTO  #FLAG X'08'               AUTOMATIC NEW COPY
000029           PDTAUTOI DS    0XL1
         00008   PDTAUTOM EQU   X'08'
                 PDTLODU  #FLAG X'04'               THIS IS THE DDLDCLOD UPDATE SYSTEM
000029           PDTLODUI DS    0XL1
         00004   PDTLODUM EQU   X'04'
000029           PDTFLAG1 DS    XL1                 FLAG BYTE 1, FOR NULL PDE'S ONLY
00002A           PDTPAGSZ DS    H                   LENGTH OF EACH PGM POOL PAGE.
00002C           PDTNPDTA DS    A                   ADDRESS OF NEXT POOL PDT (0=NULL).
000030                    DS    XL1                 RESERVED
                 PDTPP24  #FLAG X'80'               24 BIT PROGRAM POOL
000031           PDTPP24I DS    0XL1
         00080   PDTPP24M EQU   X'80'
                 PDTRP24  #FLAG X'40'               24 BIT REENTRANT POOL
000031           PDTRP24I DS    0XL1
         00040   PDTRP24M EQU   X'40'
                 PDTPP31  #FLAG X'20'               31 BIT PROGRAM POOL
000031           PDTPP31I DS    0XL1
         00020   PDTPP31M EQU   X'20'
                 PDTRP31  #FLAG X'10'               31 BIT REENTRANT POOL
000031           PDTRP31I DS    0XL1
         00010   PDTRP31M EQU   X'10'
000031           PDTPTYP  DS    XL1                 POOL TYPE
000032           PDTNPDE2 DS    H                   # SECONDARY NULL PDES TO ALLOCATE
```

```
Offset  Value

000034          PDTNPRGN DS    F                   # OF LOADS FREEING PROG NOT IN USE
000038          PDTNPRGU DS    F                   # OF LOADS FREEING PROG IN USE
00003C          PDTNPRGA DS    F                   # OF LOADS NOT FREEING ANYTHING
000040          PDTNULFL DS    0H                  NULL PDE FLAG BYTES
                ************************************************************************
                *  USE MASKS IN LHRDS TO TEST/SET INDIVIDUAL BITS IN THIS FLAG BYTE  *
                ************************************************************************
000040          PDTFLGN1 DS    X
                ************************************************************************
                *  USE MASKS IN PDEDS TO TEST/SET INDIVIDUAL BITS IN THIS FLAG BYTE  *
                ************************************************************************
000041          PDTFLGN2 DS    X                   NULL PDE FLAGS 2 (SEE PDE)
000042                   DS    H                   RESERVED
000048          PDTPDTX1 DS    (PDTXDLEN)D         First PDTX is included in PDT
000070                   DS    4A                  Reserved
000080                   DS    0D                  Good alignment practice
        00080   PDTDSLEN EQU   ((*-PDT+3)/4)*4     LENGTH OF HEADER
                ************************************************************************
                ***     PDT OCCUPANCY  MAP                                           ***
                *** EACH ENTRY IS 4 BYTES. IF A PAGE IS IN USE, THE ENTRY CONTAINS  ***
                *** THE ADDRESS OF THE RCE FOR THE OCCUPANT. IF MORE THAN ONE PROGM ***
                *** OCCUPIES A SLOT, THE HIGH ORDER BIT IS BE SET IN ALL ENTRIES TO ***
                *** INDICATE THE OVERLAY. AN EXTRA FULLWORD OF F'S IS USED TO MARK  ***
                *** THE END OF THE MAP.                                              ***
                ************************************************************************
000000          PDTPGMAP DSECT
000000          PDTOMRCE DS    F                 ADDRESS OF RCE FOR OCCUPANT  MDR85296
        00080   PDTOMOVL EQU   X'80'              OVERLAY IN THIS SLOT         MDR85296
        00004   PDTOMPLN EQU   *-PDTOMRCE         LENGTH OF ONE MAP ENTRY.     MDR85296
                ************************************************************************
                ***                                                                  ***
                *** PDE:   PROGRAM DEFINITION ELEMENT DSECT                          ***
                ***                                                                  ***
                ************************************************************************
000000          PDE      DSECT
000000          PDEPID   DS    CL8                 PROGRAM IDENTIFICATION.
000008          PDESLEA  DS    A                   ADDRESS OF SYSTEM LIBRARY ELEMENT
00000C          PDEIDXTN DS    CL2                 PDE TYPE EXTENSION (SEARCH KEY)
        0000E   PDEKEYL  EQU   *-PDEPID            LENGTH OF PDE SEARCH KEY
00000E          PDETYPEF DS    0H                  PDE TYPE FLAGS
                ************************************************************************
                *  USE MASKS IN LHR TO TEST/SET INDIVIDUAL BITS IN THIS FLAG BYTE     *
                ************************************************************************
00000E          PDETYPF1 DS    XL1
                PDEMENU  #FLAG X'04'                 APPEARANCE ON MENU ALLOWED   R12.0
00000F          PDEMENUI DS    0XL1
        00004   PDEMENUM EQU   X'04'
                PDEPROG  #FLAG X'02'                 PROGRAM
00000F          PDEPROGI DS    0XL1
        00002   PDEPROGM EQU   X'02'
                PDEUND   #FLAG X'01'                 UNDEFINED TYPE
00000F          PDEUNDI  DS    0XL1
        00001   PDEUNDM  EQU   X'01'
00000F          PDETYPF2 DS    XL1                 MODULE TYPE BYTE 2
000010                   DS    2F                  *** UNUSED ***
000018          PDESECAT DS    H                   PROGRAM SECURITY CATEGORY
                * PDEFDIC  #FLAG X'01'               ON IF DICTIONARY, OFF IF LOADLIB
00001A          PDEFLAGD DS    XL1                 DICTIONARY/LOADLIB FLAG
                PDEONLY  #FLAG X'01'               ONLY (SINGLE) VERSION ALLOWED
00001B          PDEONLYI DS    0XL1
        00001   PDEONLYM EQU   X'01'
00001B          PDEFLAGV DS    XL1                 SINGLE/MULTIPLE VERSION FLAG
00001C          PDELOCK  DS    3F                  ECB AND LOCK BYTE FOR PDE ITSELF.
000028          PDEECB   DS    3F                  ECB FOR SINGLE THREADING PROGRAM.
000034          PDERLEA  DS    2A                  PROGRAM RLE/RCE ANCHOR.
00003C                   DS    F                 **UNUSED**
```

```
Offset  Value

000040          PDELENDX DS    F                   Index into LE/370 API table
000044          PDESTATA DS    A                   ADDR OF STATS BLOCK         MDR85344
000048          PDEPDTA  DS    A                   PTR TO CORRECT PRIMARY POOL PDT.
00004C                   DS    H                **UNUSED**
00004E                   DS    H                **UNUSED**
000050          PDERUCT  DS    H                   RUNNING COUNT.
000052          PDESTCT  DS    H                   NBR OF SYS TASK USING PGM   MDR86029
000054          PDENPLA  DS    A                   ADDR NEXT PDE FROM SAME LOADLIB.
000058          PDETYPE  DS    XL1                 PROGRAM TYPE.
        00001   PDETYSHR EQU   1                   PROGRAM CAN BE SHARED BY ALL.
        00002   PDETYTSK EQU   2                   SEPARATE COPY FOR EACH TASK.
        00003   PDETYRLD EQU   3                   SEPARATE COPY FOR EACH TASK,
                *                                  REFRESH NOT ALLOWED
000059          PDEDTCT  DS    XL1                 DUMP THRESHOLD COUNT.
00005A          PDEMPMOD DS    XL2                 DESIRED MPMODE FOR PROGRAM
                *                     - PDEMPMOD IS ONLY USED IF PDEMODE IS SET
                         PRINT GEN
                PDESASC  #FLAG X'80'               SYSTEM-MODE C PROGRAM.
00005C          PDESASCI DS    0XL1
        00080   PDESASCM EQU   X'80'
                PDERES   #FLAG X'40'               RESIDENT PROGRAM.
00005C          PDERESI  DS    0XL1
        00040   PDERESM  EQU   X'40'
                PDECOBL  #FLAG X'20'               COBOL PROGRAM.
00005C          PDECOBLI DS    0XL1
        00020   PDECOBLM EQU   X'20'
                PDEPLI   #FLAG X'10'               PL/I PROGRAM.
00005C          PDEPLII  DS    0XL1
        00010   PDEPLIM  EQU   X'10'
                PDEQUSI  #FLAG X'08'               PROGRAM IS QUASI-REENTRANT.
00005C          PDEQUSII DS    0XL1
        00008   PDEQUSIM EQU   X'08'
                PDETRLY  #FLAG X'04'               PROGRAM IS TRULY REENTRANT.
00005C          PDETRLYI DS    0XL1
        00004   PDETRLYM EQU   X'04'
                PDEREEN  #FLAG X'0C'               PROGRAM IS REENTRANT SOMEHOW.
00005C          PDEREENI DS    0XL1
        0000C   PDEREENM EQU   X'0C'
                PDESNGL  #FLAG X'02'               PROGRAM IS SINGLE THREADED.
00005C          PDESNGLI DS    0XL1
        00002   PDESNGLM EQU   X'02'
                PDERELD  #FLAG X'01'               RELOAD NEW COPY FOR EACH NEW TASK.
00005C          PDERELDI DS    0XL1
        00001   PDERELDM EQU   X'01'
00005C          PDEFLAG1 DS    XL1                 FIRST FLAG.
                *
                PDEOVLY  #FLAG X'80'               CAN OVERLAY IF NECESSARY.
00005D          PDEOVLYI DS    0XL1
        00080   PDEOVLYM EQU   X'80'
                PDERSA   #FLAG X'40'               PROGRAM NEEDS SAVEAREA ON ENTRY.
00005D          PDERSAI  DS    0XL1
        00040   PDERSAM  EQU   X'40'
                PDENSP   #FLAG X'20'               PROGRAM RUNS W/O STG PROT.
00005D          PDENSPI  DS    0XL1
        00020   PDENSPM  EQU   X'20'
                PDELE37  #FLAG X'10'               Program is LE/370 enabled
00005D          PDELE37I DS    0XL1
        00010   PDELE37M EQU   X'10'
                PDEDSAB  #FLAG X'08'               PROGRAM IS PRESENTLY DISABLED.
00005D          PDEDSABI DS    0XL1
        00008   PDEDSABM EQU   X'08'
                PDENEWC  #FLAG X'01'               REQUEST EXISTS FOR NEW COPY.
00005D          PDENEWCI DS    0XL1
        00001   PDENEWCM EQU   X'01'
00005D          PDEFLAG2 DS    XL1                 SECOND FLAG BYTE.
                PDENUL   #FLAG X'80'               PDE CREATED USING NULL PDE
```

```
Offset  Value

00005E          PDENULI  DS    0XL1
        00080   PDENULM  EQU   X'80'
                PDEDYN   #FLAG X'20'                PDE DYNAMICALLY CREATED
00005E          PDEDYNI  DS    0XL1
        00020   PDEDYNM  EQU   X'20'
                PDENCNO  #FLAG X'10'                NEW COPY NOT ALLOWED FOR PROGRAM
00005E          PDENCNOI DS    0XL1
        00010   PDENCNOM EQU   X'10'
                PDENCQ   #FLAG X'08'                PGM BEING QUIESCED FOR NEW COPY
00005E          PDENCQI  DS    0XL1
        00008   PDENCQM  EQU   X'08'
                PDENUCL  #FLAG X'01'                PROGRAM IS A NUCLEUS MODULE  *MXN*
00005E          PDENUCLI DS    0XL1
        00001   PDENUCLM EQU   X'01'
00005E          PDEFLAG3 DS    XL1                  THIRD FLAG BYTE.
                PDEDLST  #FLAG X'80'                ON IF DIALOG STATS TO BE COLLECTED
00005F          PDEDLSTI DS    0XL1
        00080   PDEDLSTM EQU   X'80'
                PDENUNC  #FLAG X'40'                LOAD NEW COPY OF NUC MOD    MDR85344
00005F          PDENUNCI DS    0XL1
        00040   PDENUNCM EQU   X'40'
                PDEMODE  #FLAG X'20'                USE MPMODE VALUE IN PDEMPMOD
00005F          PDEMODEI DS    0XL1
        00020   PDEMODEM EQU   X'20'
                PDEDRVR  #FLAG X'10'                PROGRAM IS A DRIVER MODULE   *MXN*
00005F          PDEDRVRI DS    0XL1
        00010   PDEDRVRM EQU   X'10'
                PDESYSM  #FLAG X'08'                PROGRAM RUNS SYSTEM-MODE
00005F          PDESYSMI DS    0XL1
        00008   PDESYSMM EQU   X'08'
                PDEPLI2  #FLAG X'04'                PROGRAM IS PL/I V 2
00005F          PDEPLI2I DS    0XL1
        00004   PDEPLI2M EQU   X'04'
00005F          PDEFLAG4 DS    XL1                  FOURTH FLAG BYTE.
                PDEAMSC  #FLAG X'80'                RECHECK ACCESS MODULE SECURITY
000060          PDEAMSCI DS    0XL1
        00080   PDEAMSCM EQU   X'80'
                PDEAMRN  #FLAG X'40'                ACCESS MODULE IS RUNNABLE
000060          PDEAMRNI DS    0XL1
        00040   PDEAMRNM EQU   X'40'
                PDEAMGT  #FLAG X'20'                ACCESS MODULE IS GRANTABLE
000060          PDEAMGTI DS    0XL1
        00020   PDEAMGTM EQU   X'20'
                PDEAMRG  #FLAG PDEAMRNM+PDEAMGTM    ACCESS MOD RUNNABLE & GRANTABLE
000060          PDEAMRGI DS    0XL1
        00060   PDEAMRGM EQU   PDEAMRNM+PDEAMGTM
000060          PDEAMFLG DS    XL1                  ACCESS MODULE FLAGS
                         PRINT GEN
000061          PDENPCTH DS    XL1                  PROGRAM CHECK THRESHOLD.
000062          PDEDTCN  DS    XL1                  DUMP THRESHOLD CONSTANT.
                *
000063          PDESCTY  DS    XL1                  PROGRAM SECURITY KEY.
                *
000064          PDEDEA   DS    24F                  AREA FOR DIRECTORY ENTRY.
0000C4                   ORG   PDEDEA
000064          PDEEPD   DS    F                    ENTRY POINT DISPLACEMENT.
000068          PDETLEN  DS    F                    LENGTH OF PROGRAM TEXT IN STORAGE.
00006C          PDETA    DS    F                    MODULE LOAD ADDRESS.
000070          PDEAMODE DS    XL1                  AMODE
        00000   PDEAM24  EQU   0                    VALUE OF 0  - AMODE=24
        00002   PDEAM31  EQU   2                    VALUE OF 2  - AMODE=31
        00003   PDEAMANY EQU   3                    VALUE OF 3  - AMODE=ANY
                PDERANY  #FLAG X'10'                ON FOR RMODE=ANY, OFF FOR RMODE=24
000071          PDERANYI DS    0XL1
        00010   PDERANYM EQU   X'10'
000071          PDERMODE DS    XL1                  RMODE FLAG
```

```
Offset  Value

                PDEATRE  #FLAG X'80'               ON IF REENTRANT
000072          PDEATREI DS    0XL1
        00080   PDEATREM EQU   X'80'
000072          PDEATT1  DS    XL1                 MODULE ATTRIBUTE BYTE 1
000073                   DS    XL1                 RESERVED
000074          PDEDATE  DS    CL8                 DATE COMPILED (MM/DD/YY)
00007C          PDETIME  DS    CL6                 TIME COMPILED (HHMMSS)
000082          PDERLDS  DS    H                   NUMBER OF RLD ENTRIES
000084                   DS    16F                 Remainder of DE area
0000C4                   ORG
0000C4          PDENPDTA DS    A                   PTR TO CORRECT ALTERNATE POOL PDT
0000C8          PDELDPA  DS    A                   LOAD ADDRESS OF MODULE, IF RES.
0000CC          PDEISAL  DS    F                   INITIAL STORAGE AREA LENGTH.
0000D0          PDEHLLXA DS    A                   ADDRESS OF HLL XTN AREA.
0000D4          PDEDBK   DS    F                   PROGRAM DATABASE KEY.
0000D8          PDEUSRWA DS    CL8                 USER WORK AREA.
0000E0                   DS    F                   RESERVED, UNUSED
                PDEDLI   #FLAG X'80'               PROGRAM NEEDS AUTO DLI SCHEDULING
0000E4          PDEDLII  DS    0XL1
        00080   PDEDLIM  EQU   X'80'
0000E4          PDEDLIF1 DS    X                   DLI FLAG-1
0000E5                   DS    XL3                 RESERVED FOR DLI EXPANSION
0000E8          PDEDLIXA DS    A                   A(PDE DLI EXTENSION)
        000EC   PDEDSLEN EQU   ((*-PDE+3)/4)*4     LENGTH OF DSECT.
                ************************************************************************
                ***                                                                  ***
                ***  PDE EXTENSION FOR COBOL PROGRAM.  LOCATED IN THE HIGH-LEVEL     ***
                ***  LANGUAGE EXTENSION AREA AT END OF PDT. ADDRESS IS AT PDEHLLXA   ***
                ***                                                                  ***
                ************************************************************************
000000          PDECB    DSECT
000000          PDECBSTR DS    0F                  START OF COBOL EXTENSION AREA.
000000          PDECBTGL DS    F                   LENGTH OF TGT.
000004                   ORG   PDECBTGL            REDEFINE FOR COBOL 2
000000          PDECBPCX DS    A                   ADDR OF MASTER PCX
000004          PDECBTOL DS    F                   LENGTH OF WS+TGT.
000008          PDECBTGO DS    A                   OFFSET OF TGT IN ORIGINAL PGM.
00000C          PDECBVER DS    X                   COBOL COMPILER VERSION.
        00002   PDECBV2  EQU   X'02'               VS COBOL, VERSION 2.
        00003   PDECBV3  EQU   X'03'               VS COBOL, VERSION 3.
        00004   PDECBV4  EQU   X'04'               VS COBOL, VERSION 4.
        00011   PDECBC2  EQU   X'11'               OS VS COBOL II, VERSION 1.
        00022   PDECBDV2 EQU   X'22'               DOS/VS VERSION 2.
        00023   PDECBDV3 EQU   X'23'               DOS/VS VERSION 3.
        00035   PDECBF85 EQU   X'35'               FUJITSU COBOL 85
        00036   PDECBH85 EQU   X'36'               HITACHI COBOL 85
        00041   PDECBCL1 EQU   X'41'               COBOL/370 V1.1
        00042   PDECBCL2 EQU   X'42'               COBOL for MVS & VM V1.2 (Cobol/370)
                * BS2000 EQUATES FOR PDECBVER; THEY WON'T OVERLAP WITH OTHER COBOL'S
        000FF   PDECB22A EQU   X'FF'               BS2K COB1 VERSION < 2.2B
        000FE   PDECB22B EQU   X'FE'               BS2K COB1 VERSION >= 2.2B
        000FD   PDECB810 EQU   X'FD'               BS2K COB85 V1.0
        000FC   PDECB811 EQU   X'FC'               BS2K COB85 V1.1, V1.2
        000FB   PDECB820 EQU   X'FB'               BS2K COB85 V2.0
        000FA   PDECB822 EQU   X'FA'               BS2K COB85 V2.2C
                * END OF BS2000 EQUATES FOR PDECBVER
                PDECBI   #FLAG X'80'               COBOL VARIABLES INITIALIZED.
00000D          PDECBII  DS    0XL1
        00080   PDECBIM  EQU   X'80'
                PDECBOP  #FLAG X'40'               ON IF USING OPTIMIZER.
00000D          PDECBOPI DS    0XL1
        00040   PDECBOPM EQU   X'40'
00000D          PDECBFLG DS    X                   FLAG BYTES.
                PDECBM   #FLAG X'10'               BS2K COB1: MAIN PROGRAM
00000E          PDECBMI  DS    0XL1
        00010   PDECBMM  EQU   X'10'
```

```
Offset  Value

               PDECBE   #FLAG X'20'               BS2K COB1: PGM WITH ENTRY
00000E         PDECBEI  DS    0XL1
        00020  PDECBEM  EQU   X'20'
               PDECBS   #FLAG X'40'               BS2K COB1: SUBROUTINE (COB85: ALL)
00000E         PDECBSI  DS    0XL1
        00040  PDECBSM  EQU   X'40'
               PDECBS2  #FLAG X'80'               INDICATOR: THIS IS BS2K COBOL
00000E         PDECBS2I DS    0XL1
        00080  PDECBS2M EQU   X'80'
00000E                  DS    X                   FLAG BYTE RESERVED FOR BS2000
        00010  PDECBLEN EQU   ((*-PDECBSTR+3)/4)*4 LENGTH OF COBOL EXTENSION.
```

1.101 #PFHDS

```
                         COPY #PFHDS
                ********************************************************************
                ***  #PFHDS DESCRIBES A PFKEY TABLE HEADER                       ***
                ********************************************************************

Offset  Value

000000          PFH      DSECT                           16:04:04 04/01/82
000000          PFHNAME  DS    CL8             NAME OF THIS TABLE
000008          PFHNPFH  DS    A               ADDRESS OF NEXT TABLE
00000C          PFHNPFA  DS    A               ADDRESS OF FIRST APPLICATION TABLE
000010          PFHNAVL  DS    F               ADDR OF NEXT ENTRY LOCATION (BUILD)
000014          PFHPFEN  DS    H               NUMBER OF PFES IN THIS TABLE
000016          PFHRCNT  DS    H               REMAINING COUNT OF ENTRIES  (BUILD)
        00018   PFHDSLEN EQU   *-PFH           LENGTH OF FIXED PORTION
000018          PFHPFE   DS    0H              PFES START HERE
                ********************************************************************
                ***  #PFEDS DESCRIBES AN AID/FUNCTION# PAIR                      ***
                ********************************************************************
000000          PFE      DSECT
000000          PFEAID   DS    XL1             'AID' BYTE
000001          PFEFCTN  DS    XL1             CORRESPONDING FUNCTION NUMBER
        00002   PFEDSLEN EQU   *-PFE           LENGTH OF ONE ENTRY
                ********************************************************************
                ***  #PFADS DESCRIBES AN APPLICATION OVERRIDE TABLE              ***
                ********************************************************************
000000          PFA      DSECT
000000          PFANAME  DS    CL8             APPLICATION NAME
000008          PFANPFA  DS    A               ADDRESS OF NEXT APPLICATION FOR TABLE
00000C          PFANAVL  DS    F               NEXT AVAILABLE ENTRY (BUILD)
000010          PFAPFEN  DS    H               NUMBER OF PFES AFFIXED HERE
000012          PFARCNT  DS    H               REMAINING COUNT      (BUILD)
        00014   PFADSLEN EQU   *-PFA           LENGTH OF FIXED PORTION
000014          PFAPFE   DS    0H              PFES START HERE
```

1.102 #PGCTLDS

```
                        COPY #PGCTLDS

Offset  Value

000000          PGCTL    DSECT                           09:58:42 07/31/86   08/28/90
                ********************************************************************
                *   MAP PAGING SESSION CONTROL                                     *
                *        THIS CONTROL BLOCK CONTAINS THE CONTROL INFORMATION       *
                *        NECCESSARY TO DEFINE AND MAINTAIN A PAGING SESSION.       *
                *        IT IS PART OF THE 1ST SCRATCH RECORD USED IN RHDCPAGR     *
                ********************************************************************
000000          PGCTLID  DS    CL6                 IDENTIFIER FOR THE CONTROL BLOCK
                *                                      CONTAINS 'PGCTL*'
                PGCTLWT  #FLAG X'10'               PAGING SESSION TYPE - WAIT
000006          PGCTLWTI DS    0XL1
        00010   PGCTLWTM EQU   X'10'
                PGCTLRT  #FLAG X'20'               PAGING SESSION TYPE - RETURN
000006          PGCTLRTI DS    0XL1
        00020   PGCTLRTM EQU   X'20'
                PGCTLNW  #FLAG X'40'               PAGING SESSION TYPE - NOWAIT
000006          PGCTLNWI DS    0XL1
        00040   PGCTLNWM EQU   X'40'
                PGCTLNB  #FLAG X'01'               NO BACKPAGE
000006          PGCTLNBI DS    0XL1
        00001   PGCTLNBM EQU   X'01'
                PGCTLBR  #FLAG X'02'               BROWSE MODE
000006          PGCTLBRI DS    0XL1
        00002   PGCTLBRM EQU   X'02'
                PGCTLNM  #FLAG X'04'               NO AUTO MAPOUT              DKJ86211
000006          PGCTLNMI DS    0XL1
        00004   PGCTLNMM EQU   X'04'
000006          PGCTLFLG DS    X                   FLAG BYTE
000007                   DS    X                   RESERVED
000008          PGCTLBLK DS    A                   OFFSET TO PAGE BLOCK STRUCTURE
                *                                  FOR THE CURRENT PAGE
00000C          PGCTLHDR DS    A                   OFFSET TO HEADER NODE
000010          PGCTLFTR DS    A                   OFFSET TO FOOTER NODE
000014          PGCTLPRQ DS    A                   ORIGINAL PAGE # REQUESTED
000018          PGCTLADS DS    A                   OFFSET TO #MPSRADS
00001C          PGCTLVS  DS    A                   OFFSET TO PAGR VARIABLE STORAGE
000020          PGCTLBK1 DS    A                   OFFSET TO PAGE BLOCK STRUCTURE
                *                                  FOR THE FIRST PAGE
000024          PGCTLNAM DS    CL8                 MRB NAME
000030                   DS    0D                  ALIGNMENT FOR FOLLOWING DSECT
        00030   PGCTLEN  EQU   *-PGCTLID           LENGTH OF PGCTLDS
```

1.103 #PLEDS

```
                        COPY #PLEDS

Offset  Value

000000          PLE      DSECT                           08/09/88 13:55:35   11/21/94
                ****************************************************************
                ***
                *** PHYSICAL LINE ELEMENT DSECT
                ***
                ****************************************************************
                         PRINT NOGEN
000000          PLEID    DS    CL8                 LINE ID
000008          PLEDD1   DS    CL8                 DDNAME 1
000010          PLEDD2   DS    CL8                 DDNAME 2
000018          PLENPLE  DS    A                   NEXT PLE
00001C          PLEFPTE  DS    A                   FIRST PTE
000020          PLETCEA  DS    A                   ADDRESS OF DRIVER TCE
000024          PLEDRVR  DS    A                   ADDRESS OF LINE DRIVER MODULE
000028          PLEDRVRL DS    A                   LENGTH OF DRIVER MODULE
00002C          PLEDCBA  DS    2A                  ADDRESS OF DCB (2 FOR BSAM/QSAM)
000034          PLEDECBA DS    A                   ADDRESS OF FIRST (OR ONLY) DECB
000038          PLEOSTGA DS    A                   ADDRESS OF GETMAINED STORAGE
00003C          PLEOSTGL DS    F                   LENGTH OF GETMAINED STORAGE
                *  THE ORDER OF THE FOLLOWING 2 FIELDS MAY NOT BE CHANGED
000040          PLETYPE  DS    C                   LINE TYPE CODE
        000F0   PLESYSIO  EQU  C'0'                 SYSINX/SYSOUTX
        000F1   PLEL3270  EQU  C'1'                 LOCAL 3270'S
        000F2   PLER3270  EQU  C'2'                 REMOTE 3270'S
        000F3   PLES3270  EQU  C'3'                 SIMULATED 3270'S
        000F4   PLECONSL  EQU  C'4'                 OPERATOR'S CONSOLE
        000F5   PLEVTAM   EQU  C'5'                 VTAM INTERFACE
        000F5   PLEDCAM   EQU  C'5'                 DCAM INTERFACE
        000F6   PLESTSTP  EQU  C'6'                 START/STOP TERMINALS
        000F7   PLESYSO   EQU  C'7'                 SYSOUT ONLY (FOR PRINTERS)
        000F8   PLEL3280  EQU  C'8'                 LOCAL 3280 PRINTER
        000F9   PLEO3270  EQU  C'9'                 ONLINE SIMULATED 3270'S
        000C1   PLETCAMD  EQU  C'A'                 TCAM DRIVER
        000C2   PLEBSC1   EQU  C'B'                 BSC NON-SWITCHED POINT-TO-POINT
        000C3   PLEBSC2   EQU  C'C'                 BSC SWITCHED POINT-TO-POINT
        000C4   PLEBSC3   EQU  C'D'                 BSC MULTIPOINT
        000C5   PLEVTAML  EQU  C'E'                 VTAM/SNA LOGICAL UNITS
        000C6   PLEAPPCE  EQU  C'F'                 APPC EMULATOR
        000D3   PLESDS    EQU  C'L'                 SDS NETWORK LINE DRIVER
        000E9   PLEUCFD   EQU  C'Z'                 UCF LINE DRIVER
000041          PLEMETH  DS    C                   ACCESS METHOD
        000C2   PLEBSC    EQU  C'B'                 SDS ACCESS METHOD BSC
        000C3   PLECTC    EQU  C'C'                 SDS ACCESS METHOD CTC
        000C4   PLEDCA    EQU  C'D'                 SDS ACCESS METHOD DCAM
        000C5   PLEEXCP   EQU  C'E'                 EXCP
        000C9   PLEINTNL  EQU  C'I'                 INTERNAL METHODS
        000D8   PLEQSAM   EQU  C'Q'                 QSAM
        000E2   PLESVC    EQU  C'S'                 SDS ACCESS METHOD SVC
        000E3   PLETCAM   EQU  C'T'                 TCAM
        000E4   PLEUCFAM  EQU  C'U'                 UCF
        000E5   PLEVTA    EQU  C'V'                 SDS ACCESS METHOD CCI
        000E6   PLEWTO    EQU  C'W'                 WTO
        000E7   PLEVTA12  EQU  C'X'                 SDS ACCESS METHOD VTAM
                PLECLOS  #FLAG X'01'                LINE IS CLOSED (COULDN'T BE OPENED)
                PLEOUTS  #FLAG X'02'                LINE IS OUT OF SERVICE
                PLENCON  #FLAG X'04'                QUIESCE IS NOT VALID FOR THIS LINE
                PLETRAC  #FLAG X'08'                DCAM LINE TO BE TRACED
                PLECPCT  #FLAG X'10'                COMPACT 3270 OUTPUT DATA STREAMS
                PLEXRSP  #FLAG X'20'                USE EXCEPTION RESPONSE PROTOCOL
```

```
Offset  Value

               PLEQPTE  #FLAG X'40'               PTE QUEUEING SUPPORTED BY DRIVER
               PLESERV  #FLAG X'80'              INSPECT PTE CHAIN FOR HALT,VIN,VOUT
000042         PLEFLAGS DS    X                   LINE STATUS FLAGS
               PLEXABF  #FLAG X'01'               BUFFERS IN EXTENDED STORAGE ARE OK
               PLEXAPT  #FLAG X'02'               PTEs in XA storage ok
000043         PLEFLAG2 DS    X                   LINE STATUS FLAGS - PART TWO
                        PRINT GEN
000044         PLESECB  DS    3F            INTERNAL SERVICE ECB FOR LINE DRIVER TASK
               *
000050         PLEFQUE  DS    F                   FOWARD POINTER FOR PTE QUEUEING
000054         PLEBQUE  DS    F                   BACKWARD POINTER FOR PTE QUEUEING
000058                  DS    F                   RESERVED(UNUSED)
00005C         PLESTATA DS    A                   ADDR OF STATISTICS BLOCK
000060         PLEHSTA  DS    A                   ADDR OF HISTOGRAM BLOCK
000064         PLEBLEN  DS    F                   SUM COUNT OF CHARS. BEFORE COMPACT
000068         PLECLEN  DS    F                   SUM COUNT OF CHARS. AFTER COMPACT
00006C         PLESPTE  DS    F                   START PTE  - PTE STARTED WITH
000070         PLERPTE  DS    F                   RESUME PTE - PTE LAST PROCESSED
000074         PLENNAML DS    X                   LENGTH OF NETWORK ID
000075                  DS    X                   RESERVED.
000076         PLENTERM DS    H                   NUMBER OF TERMINALS ON LINE
000078         PLELPBS  DS    H                   LINE I/O PAGE BUFFER SIZE
00007A         PLEXLEN  DS    H                   LENGTH OF DEVICE DEPENDENT EXTENSION
00007C                  DS    4F                  *** Reserved ***
000090         PLEX     DS    0D                  START OF EXTENSION
        00090  PLEDSLEN EQU   ((*-PLE+3)/4)*4     LENGTH OF PLE FOUNDATION
```

1.104 #PLXDS

```
                         COPY #PLXDS
                ***********************************************************************
                ***                                                                 ***
                ***   EXTENSION DEFINITIONS FOR PLE'S                               ***
                ***                                                                 ***
                ***********************************************************************
                ********************************************************************

Offset  Value

                * PLE EXTENSION FOR SYSIN/OUT DEVICES
                *******************************************************************
000080                   ORG   PLEX                SET ORIGIN TO THE EXTENSION
000080          PLE0DECS DS    4A                  ADDRESS OF DCB'S AND DECB'S
000090                   ORG   PLEX                SET ORIGIN FOR BS2K TYPE0 EXT
        00080   PLE0OBKA EQU   *
000080          PLE0OPAM DS    A                   OUTPUT PAM MACRO ADDRESS
000084          PLE0OECB DS    A                   OUTPUT FECB ADDRESS
                *
        00088   PLE0IBKA EQU   *
000088          PLE0IPAM DS    A                   INPUT PAM MACRO ADDRESS
00008C          PLE0IECB DS    A                   INPUT FECB ADDRESS
                *
000090          PLE0CRID DS    F                   CONTINGENCY SHORT ID FOR PAM I/O
000094          PLE0CNAM DS    CL54                CONTINGENCY NAME FOR PAM I/O
0000CC          PLE0SVRW DS    18F                 Non-XA savearea for read/write
        00098   PLE0XLEN EQU   (((*+7)-PLEX)/8)*8  LENGTH OF EXTENSION
                *******************************************************************
                * PLE EXTENSION FOR LOCAL 3270 BTAM TERMINALS
                *******************************************************************
000114                   ORG   PLEX                SET ORIGIN TO THE EXTENSION
000080          PLEBSIZ  DS    F                   SIZE OF INITIAL BUFFER TO GETSTG.
000084          PLE1MECB DS    A                   ADDRESS OF BTAM MASTER ECB (DOS).
000088          PLE1SVRW DS    18F                 Non-XA savearea for read/write
        00050   PLE1XLEN EQU   (((*+7)-PLEX)/8)*8  LENGTH OF EXTENSION
                ***********************************************************************
                * #PLEDS3 - EXTENSION TO PHYSICAL LINE ENTRY DSECT FOR SIMULATED
                *           3270S (PLETYPE=3).
                ***********************************************************************
0000D0                   ORG   PLEX
                         PRINT NOGEN
000080          PLE3WORK DS    D                   TEMPORARY WORK AREA
000088          PLE3KEYW DS    CL8                 WORK AREA FOR KEYWORDS
000090          PLE3ECBL DS    A                   ADDRESS OF ECBLIST
000094          PLE3PLIN DS    CL133               PLACE TO BUILD PRINT LINES
00011C                   DS    0F
                         PRINT NOGEN
                PLE3EOD  #FLAG X'01'      END-OF-DATA FLAG FOR SIMULATOR INPUT
                PLE3HEX  #FLAG X'02'      TRACE OUTPUT AND INPUT IN HEXADECIMAL
00011C                   DS    X                   FLAG BYTE
00011D          PLE3CTRM DS    X          TERMINAL NUMBER ASSOCIATED WITH CURRENT CARD
00011E          PLE3MTRM DS    X          MAXIMUM NUMBER OF TERMINALS
00011F          PLE3ESC  DS    C          ESCAPE CHARACTER
000120          PLE3CONT DS    C          CONTINUATION CHARACTER
000121          PLE3AID  DS    X          ATTENTION IDENTIFIER FOR READ
000124          PLE3STIM DS    F                   START TIME OF SIMULATION RUN
000128          PLE3RTIM DS    F   CURRENT TIME RELATIVE TO START OF SIMULATION
00012C          PLE3CRD# DS    F          NUMBER OF LAST CARD READ
000130          PLEGIN14 DS    A          R14 AT ENTRY TO GETINPUT
000134          PLEGCD14 DS    A          R14 AT ENTRY TO GETCARD
000138          PLEECD14 DS    A          R14 AT ENTRY TO ECHOCARD
00013C          PLECTR14 DS    A          R14 AT ENTRY TO CHECKTRM
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000140         PLECST14 DS    A          R14 AT ENTRY TO CHECKSET
000144         PLEWTM14 DS    A          R14 AT ENTRY TO WAITTIME
000148         PLEPLN14 DS    A          R14 AT ENTRY TO PRINTLIN
00014C         PLESRD14 DS    A          R14 AT ENTRY TO SIMREAD
000150         PLEPWH14 DS    A          R14 AT ENTRY TO PRTWHERE
000154         PLEPFL14 DS    A          R14 AT ENTRY TO PRINTFLD
000158         PLECLK14 DS    A          R14 AT ENTRY TO CHECKLOK
00015C         PLEPSC14 DS    A          R14 AT ENTRY TO PRINTSCR
000160         PLERDN14 DS    A          R14 AT ENTRY TO READNUM
000164         PLENCH14 DS    A          R14 AT ENTRY TO NEXTCHAR
000168         PLERIP14 DS    A          R14 AT ENTRY TO READINP
00016C         PLESWR14 DS    A          R14 AT ENTRY TO SIMWRITE
000170         PLESPN14 DS    A          R14 AT ENTRY TO SCRNPOSN
000174         PLEPTT14 DS    A          R14 AT ENTRY TO PTIMTERM
000178         PLEEAU14 DS    A          R14 AT ENTRY TO ERALLUNP
00017C         PLEHXT14 DS    A          R14 AT ENTRY TO HEXTRACE
000180         PLE3LIST DS    10A                 DEFAULT PARAMETER LIST
0001A8         PLE3SVGP DS    18F        Below-the-line savearea for get/put
                        PRINT GEN
               *        DCB   DSORG=PS,DDNAME=SIMINXX,MACRF=GM   SIMULATOR INPUT DCB
               *        FCB   FCBTYPE=SAM,LINK=SIMINXX,OPEN=INPUT,
               *              RECFORM=F,RECSIZE=80
0001F0         PLE3IDCB DS    200F         SPACE FOR PRECEDING DCB (OR FCB IN BS2K)
               *        DCB   DSORG=PS,DDNAME=SIMOUTXX,MACRF=PM  SIMULATOR PRINT DCB
               *        FCB   FCBTYPE=SAM,LINK=SIMOUTXX,OPEN=OUTPUT,
               *              RECFORM=(F,A),RECSIZE=133
000510         PLE3PDCB DS    200F         SPACE FOR PRECEDING DCB (OR FCB IN BS2K)
        007B0  PLE3XLEN EQU   (((*+7)-PLEX)/8)*8  LENGTH OF EXTENSION
               ******************************************************************
               * PLE EXTENSION FOR OPERATORS CONSOLE
               ******************************************************************
000830                 ORG   PLEX                SET ORIGIN TO EXTENSION
000080         PLE4SYSP DS    6A                 PARAMETER LIST FOR MACROS
000098         PLE4ACTN DS    X                  ACTION CODE
        00000  PLE4WTRQ EQU   0                  WAIT FOR SERVICE
        00004  PLE4READ EQU   4                  QUEUE A READ
        00008  PLE4WTRD EQU   8                  PROCESS READ COMPLETION
        00020  PLE4XLEN EQU   (((*+7)-PLEX)/8)*8  LENGTH OF EXTENSION
               ******************************************************************
               * #PLEDS5
               * PLE EXTENSION FOR VTAM TERMINALS (OR DCAM IN BS2K)
               ******************************************************************
000099                 ORG   PLEX                SET ORIGIN TO EXTENSION AREA
000080         PLE5APID DS    CL10               APPLICATION ID
00008A         PLE5APPW DS    CL10               APPLICATION PASSWORD
               *LE5NNIB DS    H                  NUMBER OF NIBS  - NOT USE, REMOVE
000094         PLE5NRIR DS    H                  NUMBER OF RECEIVE INITIAL RPL'S
000096         PLE5NRPL DS    H                  NUMBER OF RPL'S
000098                 ORG   PLEX                SET ORIGIN FOR DCAM TYPE5 EXT
000080         PLE5DAID DS    CL8                DCAM APPLICATION IDENTIFIER
000088         PLE5APSW DS    CL4                DCAM APPLICATION PASSWORD
00008C         PLE5PRON DS    CL8                PROCESSOR NAME
000094         PLE5NIBN DS    H                  NUMBER OF NIBS
000096         PLE5NRPB DS    H                  NUMBER OF RPB'S (DCAM ONLY)
               PLE5ACQ  #FLAG X'80'              DRIVER CAN ACQUIRE TERMS
000098         PLE5ACQI DS    0XL1
        00080  PLE5ACQM EQU   X'80'
               PLE5SPO  #FLAG X'40'              SENDCMD/RECVCMD VALID
000098         PLE5SPOI DS    0XL1
        00040  PLE5SPOM EQU   X'40'
               PLE5WRP  #FLAG X'20'              DRIVER WAITING FOR RPL'S
000098         PLE5WRPI DS    0XL1
        00020  PLE5WRPM EQU   X'20'
               PLE5FWP  #FLAG X'10'              CONTINUE LOOKING FOR WAITING PTE
000098         PLE5FWPI DS    0XL1
        00010  PLE5FWPM EQU   X'10'
```

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                PLE5BUF  #FLAG X'08'               USE PERMANENT READ BUFFERS
000098          PLE5BUFI DS    0XL1
        00008   PLE5BUFM EQU   X'08'
000098          PLE5FLG1 DS    X                   FLAG BYTE 1
                PLE5AST  #FLAG X'01'               DCAM APPLICATION READY
000099          PLE5ASTI DS    0XL1
        00001   PLE5ASTM EQU   X'01'
000099          PLE5FLG2 DS    X                   FLAG BYTE 2
00009A          PLE5FLG3 DS    X                   FLAG BYTE 3
00009B          PLE5INFO DS    X                   VTAM LINE INFO BYTE
                *                                  X'FF'= LINE SHUTDOWN BY VTAM
00009C          PLE5EXL  DS    AL4                 ADDRESS OF EXITLIST
0000A0                   ORG   PLE5EXL
00009C          PLE5BFSP DS    0A                 SPECIAL BUFFERS SPECIFICATIONS
00009C                   DS    XL3                 RESERVED FOR BS2K                DDK
                PLE5ISO  #FLAG X'80'               DCAM TYPE=ISO (DEFAULT=NEA)      DDK
00009F          PLE5ISOI DS    0XL1
        00080   PLE5ISOM EQU   X'80'
00009F          PLEFLG4  DS    X                   FLAG BYTE 4                      DDK
0000A0          PLE5BLKA DS    0A                 VTAM/DCAM BLOCKS ADDRESSES
0000A0          PLE5FNIB DS    AL4                 ADDRESS OF FIRST NIB
0000A4          PLE5VNIB DS    AL4                 ADDRESS OF NIB FOR VARY
0000A8          PLE5FRPL DS    AL4                 ADDRESS OF FIRST RPL
0000AC                   DS    AL4                 AVAILABLE
0000B0                   DS    AL4                 AVAILABLE
0000B4          PLE5LRPL DS    AL4                 USE FOR OPNDST
0000B8          PLE5QRPL DS    F                   NUMBER OF RPL REQUESTS
0000BC          PLE5WRPL DS    F                   NUMBER OF WAITS FOR RPL'S
0000C0                   ORG   PLE5BLKA            DCAM CTRL BLOCKS ADDRESS
0000A0          PLE5FRPB DS    AL4                 ADDRESS OF FIRST RPB
0000A4          PLE5RRPB DS    AL4                 ADDRESS OF RECEIVE ANY RPB
0000A8          PLE5ERPB DS    AL4                 ADDRESS OF COMEND RPB
0000AC          PLE5LRPB DS    AL4                 ADDRESS OF LOSCON RPB
0000B0          PLE5SRPB DS    AL4                 ADDRESS OF STANDARD RPB
0000B4          PLE5FEVC DS    AL4                 ADDRESS OF EVent Control block
0000B8          PLE5QRPB DS    PL4                 NUMBER OF RPB REQUESTS
0000BC          PLE5WRPB DS    PL4                 NUMBER OF WAITS FOR RPB'S
0000C0          PLE5CMDA DS    A                   ADDRESS OF FIRST PO CMD NODE
0000C4          PLE5AID  DS    F                   DCAM APPLICATION IDENTIFIER
                *
        00048   PLE5XLEN EQU   (((*+7)-PLEX)/8)*8  LENGTH OF EXTENSION
                ******************************************************************
                * PLE EXTENSION FOR START/STOP TERMINALS
                ******************************************************************
                * THERE IS NO PLE EXTENSION FOR START/STOP TERMINALS
0000C8                   ORG   PLEX                SET ORIGIN TO EXTENSION
        00000   PLE6XLEN EQU   (((*+7)-PLEX)/8)*8  LENGTH OF EXTENSION
                ******************************************************************
                * PLE EXTENSION FOR SYSOUT PRINTERS
                ******************************************************************
000080                   ORG   PLEX                SET ORIGIN TO EXTENSION
000080          PLE7SVPT DS    18F                 Non-XA savearea for put
        00048   PLE7XLEN EQU   (((*+7)-PLEX)/8)*8  LENGTH OF EXTENSION
                *********************************************************************
                * PLE EXTENSION FOR LOCAL 3280 PRINTERS
                *********************************************************************
0000C8                   ORG   PLEX                SET ORIGIN TO THE EXTENSION
000080          PLE8MECB DS    A                   ADDRESS OF MASTER BTAM ECB
                PLE8IPC  #FLAG 1                   INITIAL PASS THRU OPEN IS COMPLETE
000084          PLE8IPCI DS    0XL1
        00001   PLE8IPCM EQU   1
                PLE8TMR  #FLAG 2                   RETRY TIMER IS GOING
000084          PLE8TMRI DS    0XL1
        00002   PLE8TMRM EQU   2
000084                   DS    X                       FLAG BYTE
000085                   DS    3X                 *UNUSED*
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000088         PLE8TECB DS    3A                  RETRY TIMER ECB
000094                  DS    A                   *UNUSED*
000098         PLE8SVWR DS    18F                 Non-XA savearea for write
        00060  PLE8XLEN EQU   ((*+7-PLEX)/8)*8      LENGTH OF EXTENSION
               ********************************************************************
               * PLE EXTENSION FOR ONLINE SIMULATED 3270S
               ********************************************************************
0000E0                  ORG   PLEX
000080         PLE9LIST DS    8A                  PARAMETER LIST
0000A0         PLE9RECB DS    3A                  DRIVER-IS-UP-AND-READY ECB
0000AC         PLE9TNUM DS    PL2                 SEQUENCE NUMBER FOR NEXT PTEID
0000AE         PLE9TRAN DS    CL64                TRANSLATE TABLE FOR ATTRIBUTE CODES
0000F0         PLE9CECB DS    A                   ADDRESS OF CURRENT TOP OF ECBLIST
        00040  PLE9MAXT EQU   64                  MAXIMUM NUMBER OF TERMINALS
0000F4         PLE9ECBL DS    ((1+PLE9MAXT)*2)A   ECB LIST
0002FC         PLE9DCEA DS    A                   ADDR OF DRIVER'S DISPATCH CONTROL EL
        00280  PLE9XLEN EQU   ((*+7-PLEX)/8)*8    LENGTH OF EXTENSION
               ******************************************************************
               *  TCAM PLE EXTENSION
               ******************************************************************
000300                  ORG   PLEX
000080         PLEADECB DS    A                   ADDRESS OF TCAM WRITE DECB
000084         PLEARBUF DS    A                   ADDRESS OF TCAM READ BUFFER
000088         PLEAWORK DS    A                   ADDRESS OF RHDCD0AT'S WORK AREA
00008C         PLEACONG DS    F                   # OF TIMES CONGESTION OCCURRED
000090         PLEASVRW DS    18F                 Non-XA savearea for read/write
        00058  PLEAXLEN EQU   ((*+7-PLEX)/8)*8    LENGTH OF EXTENSION
               ******************************************************************
               * PLE EXTENSION FOR BTAM BSC2 LINE GROUP
               ******************************************************************
0000D8                  ORG   PLEX
000080         PLECLID  DS    X                   LENGTH OF RESPONSE ID
000081         PLECID   DS    XL15                RESPONSE ID
000090         PLECNMLE DS    H                   NUMBER OF LINES
000092         PLECLU   DS    X                   STARTING LOGICAL UNIT (DOS)
               PLEC273  #FLAG X'02'               FLAG FOR 2703 TCU (DOS/VS)
000093         PLEC273I DS    0XL1
        00002  PLEC273M EQU   X'02'
               PLECNSW  #FLAG X'04'               NONSWITCHED (BSC1) LINE
000093         PLECNSWI DS    0XL1
        00004  PLECNSWM EQU   X'04'
               PLECMAS  #FLAG X'08'               ON = MASTER, OFF = SLAVE
000093         PLECMASI DS    0XL1
        00008  PLECMASM EQU   X'08'
               PLECVMS  #FLAG X'10'               VARY MASTER, PLECMAS HAS CHANGED
000093         PLECVMSI DS    0XL1
        00010  PLECVMSM EQU   X'10'
000093         PLECOPT1 DS    X                   1ST OPTION BYTE
000094                  DS    CL12                DICTIONARY RECORD SLACK
               *        THE DISPLACEMENT OF PLEXFMLE WITHIN THE PLE EXTENSION
               *        MUST NOT BE CHANGED.
0000A0         PLEXFMLE DS    A                   ADDRESS OF 1ST MLE
0000A4                  ORG   PLEXFMLE
0000A0         PLECFMLE DS    A                   ADDRESS OF 1ST MLE
0000A4         PLECELST DS    A                   ADDRESS OF ECB LIST
0000A8         PLECMATA DS    A                   ADDRESS OF MLE ADDRESS TABLE
0000AC         PLECBMEA DS    A                   ADDR OF DOS BTAM MASTER ECB ADDR
0000B0         PLECSMLE DS    A                   SAVED MLE ADDRESS
0000B4         PLECNQM  DS    H                   NUMBER OF QUIESCED MLE'S
0000B6         PLECEOT  DS    X                   EOT CODE FOR LINE GROUP
0000B7         PLECETB  DS    X                   ETB CODE FOR LINE GROUP
               PLECVRY  #FLAG X'01'               VARY COMMAND IN PROGRESS
0000B8         PLECVRYI DS    0XL1
        00001  PLECVRYM EQU   X'01'
               PLECQUI  #FLAG X'02'               MLE QUIESCE IN PROGRESS
0000B8         PLECQUII DS    0XL1
```

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        00002  PLECQUIM EQU   X'02'
0000B8         PLECFLG1 DS    X                   1ST FLAG BYTE
0000B9         PLECFLG2 DS    X                   2ND FLAG BYTE
0000BA         PLECFLG3 DS    X                   3RD FLAG BYTE
0000BB         PLECFLG4 DS    X                   4TH FLAG BYTE
0000BC         PLECLTRC DS    A                   ADDRESS LOCAL TRACE TABLE
0000C0         PLECSVRW DS    18F                 Non-XA savearea for read/write
        00088  PLECXLEN EQU   ((*+7-PLEX)/8)*8    LENGTH OF EXTENSION
               ********************************************************************
               * PLE EXTENSION FOR BTAM BSC3 LINE GROUP
               ********************************************************************
000108                 ORG   PLEX                SET ORIGIN FOR EXTENSION
000080         PLEDPDLY DS    F                   POLLING DELAY (0 IF WRAP LIST)
000084         PLEDNMLE DS    H                   NUMBER OF LINES
000086         PLEDLU   DS    X                   STARTING LOGICAL UNIT (DOS)
               PLED273  #FLAG X'02'               FLAG FOR 2703 TCU (DOS/VS)
000087         PLED273I DS    0XL1
        00002  PLED273M EQU   X'02'
000087         PLEDOPT1 DS    X                   1ST OPTION BYTE
000088                 DS    CL24                DICTIONARY RECORD SLACK
               *        THE DISPLACEMENT OF PLEDFMLE WITHIN THE PLE EXTENSION
               *        MUST NOT BE CHANGED.
0000A0         PLEDFMLE DS    A                   ADDRESS OF 1ST MLE
0000A4         PLEDELST DS    A                   ADDRESS OF ECB LIST
0000A8         PLEDMATA DS    A                   ADDRESS OF MLE ADDRESS TABLE
0000AC         PLEDBMEA DS    A                   ADDR OF DOS BTAM MASTER ECB ADDR
0000B0         PLEDEOT  DS    X                   EOT CODE FOR LINE GROUP
0000B1         PLEDETB  DS    X                   ETB CODE FOR LINE GROUP
0000B2         PLEDLPOL DS    X                   LONGEST POLL SEQUENCE
0000B4         PLEDSVRW DS    18F                 Non-XA savearea for read/write
        00080  PLEDXLEN EQU   (((*+7)-PLEX)/8)*8  LENGTH OF EXTENSION
               *-------------------------------------------------------------------*
               *            FORMAT OF THE CCI PLEX (PLE EXTENSION)
               *-------------------------------------------------------------------*
0000FC                 ORG   PLEX
000080         PLELRECB DS    F      RECEIVE-ANY ECB POSTED WHEN CCI RECEIVE IS DONE
000084         PLELTECB DS    F      TIMER ECB POSTED WHEN THE ICE EXPIRES
000088         PLELNTIM DS    F      NEXT TIME TO POST PLELTECB
00008C         PLELECBA DS    A      POINTER TO THE ECBLIST
000090         PLELLECB DS    A      POINTER TO THE LAST ECB IN THE ECBLIST
000094         PLELFPTE DS    A      FLOATING POINTER TO THE PTE TO SERVICE
000098         PLELRBUF DS    A      POINTER TO THE CCI RECEIVE BUFFER
00009C         PLELFEED DS    A      POINTER TO THE CCI FEEDBACK AREA
0000A0         PLELPLST DS    A      POINTER TO THE CCI PARMLIST AREA
0000A4         PLELSESS DS    F      THIS IS THE SESSID WHICH IS INCREMENTED
0000A8         PLELSPTE DS    A      POINTER TO THE PTE USED FOR SYNCRONOUS SENDS
0000AC         PLELSTFE DS    A      POINTER TO A FEEDBACK AREA USED BY STATUS ROUTINE
0000B0         PLELSTAT DS    A      POINTER TO THE A(STATUS ROUTINE) USED BY DCMT
0000B4         PLELSECS DS    A      Pointer to storage allocated for Signon
0000B8         PLELXSA  DS    F      Pointer to XSDRVR storage area for RHDCDnLX
0000BC                 DS    F      Reserved
0000C0                 DS    F      Reserved
               PLELSTA  #FLAG X'80'  IF THIS BIT IS SET DCMT NEEDS A CCI STATUS DONE
0000C4         PLELSTAI DS    0XL1
        00080  PLELSTAM EQU   X'80'
               PLELINI  #FLAG X'40'  IF THIS BIT IS SET THE DRIVER HAS DONE HIS INIT
0000C4         PLELINII DS    0XL1
        00040  PLELINIM EQU   X'40'
0000C4         PLELFLG1 DS    X      FLAG BYTE #1
0000C5                 DS    X      Reserved
0000C6         PLELNTRM DS    H      Count of Bulk PTEs for TREQ allocation
               *-------------------------------------------------------------------*
               *            FORMAT OF THE CCI HEADER. ORIGIN-ID.
               *-------------------------------------------------------------------*
0000C8         PLELCCIH DS    0H     USED TO ADDRESS THE CCIH
0000C8         PLELCON  DS    C'#'   REQUIRED CCI CONSTANT
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0000C9         PLELSYS  DS    CL8' ' SYSTEM ID
0000D1                  DS    X'00'  RESERVED
0000D2         PLELPROD DS    CL20   UNIQUE PRODUCT ID
        0001E  PLELCCIL EQU   *-PLELCCIH    LENGTH OF THE CCI HEADER
0000E6                  DS    H      Reserved
0000E8         PLELALOC DS    A      Pointer to the allocate code for TIRH to use
0000EC                  DS    F      Reserved
        00070  PLELXLEN EQU   ((*+7-PLEX)/8)*8  LENGTH OF THE PLE EXTENSION
               ****************************************************************
               *  SDS PLE EXTENSION (NOW OBSOLETE)
               ****************************************************************
0000F0                  ORG   PLEX
000080                  DS    CL32                RESERVED
0000A0                  ORG   PLEX
000080         PLELAPID DS    CL8                 DCAM APPLICATION IDENTIFIER
000088         PLELAPSW DS    CL4                 DCAM APPLICATION PASSWORD
00008C         PLELPRON DS    CL8                 PROCESSOR NAME
000094         PLELNNIB DS    H                   NUMBER OF NIBS
000096         PLELNRPL DS    H                   NUMBER OF RPL'S
000098                  ORG   PLELNRPL
000096         PLELNRPB DS    H                   NUMBER OF RPB'S (DCAM ONLY)
               PLELACQ  #FLAG X'80'               DRIVER CAN ACQUIRE TERMS
000098         PLELACQI DS    0XL1
        00080  PLELACQM EQU   X'80'
               PLELSPO  #FLAG X'40'               SENDCMD/RECVCMD VALID
000098         PLELSPOI DS    0XL1
        00040  PLELSPOM EQU   X'40'
               *LELFLG1 DS    X                   FLAG BYTE 1
               PLELAST  #FLAG X'01'               DCAM APPLICATION READY
000098         PLELASTI DS    0XL1
        00001  PLELASTM EQU   X'01'
000098         PLELFLG2 DS    X                   FLAG BYTE 2
000099         PLELFLG3 DS    X                   FLAG BYTE 3
00009A         PLELFLG4 DS    X                   FLAG BYTE 4
00009B         PLELEXL  DS    AL4                 ADDRESS OF EXITLIST
00009F                  ORG   PLELEXL
00009C         PLELBFSP DS    0A                 SPECIAL BUFFERS SPECIFICATIONS
00009C         PLELDMDN DS    H                  NUMBER OF DIR. BLOCKS FOR DMP
00009E         PLELCSPL DS    AL1                CSP LENGTH (IN K-BYTES)
00009F         PLELDMPL DS    AL1                DMP LENGTH (IN K-BYTES)
0000A0         PLELBLKA DS    0A                 VTAM/DCAM BLOCKS ADDRESSES
0000A0         PLELFNIB DS    AL4                 ADDRESS OF FIRST NIB
0000A4         PLELVNIB DS    AL4                 ADDRESS OF NIB FOR VARY
0000A8         PLELFRPL DS    AL4                 ADDRESS OF FIRST RPL
0000AC         PLELRRPL DS    AL4                 ADDRESS OF 'READ INITIAL' RPL
0000B0         PLELSRPL DS    AL4                 ADDRESS OF SOLICIT RPL
0000B4         PLELLRPL DS    AL4                 USE FOR OPNDST
0000B8         PLELQRPL DS    F                   NUMBER OF RPL REQUESTS
0000BC         PLELWRPL DS    F                   NUMBER OF WAITS FOR RPL'S
0000C0                  ORG   PLELBLKA            DCAM CTRL BLOCKS ADDRESS
0000A0         PLELFRPB DS    AL4                 ADDRESS OF FIRST RPB
0000A4         PLELRRPB DS    AL4                 ADDRESS OF RECEIVE ANY RPB
0000A8         PLELERPB DS    AL4                 ADDRESS OF COMEND RPB
0000AC         PLELLRPB DS    AL4                 ADDRESS OF LOSCON RPB
0000B0         PLELSRPB DS    AL4                 ADDRESS OF STANDARD RPB
0000B4                  DS    AL4                UNUSED
0000B8         PLELQRPB DS    PL4                 NUMBER OF RPB REQUESTS
0000BC         PLELWRPB DS    PL4                 NUMBER OF WAITS FOR RPB'S
0000C0         PLELCMDA DS    A                   ADDRESS OF FIRST PO CMD NODE
0000C4         PLELCMB  DS    A                   ADDRESS OF COMPRESSION BUFFER
0000C8         PLELIBA  DS    A                   ADDRESS OF INPUT BUFFER
0000CC         PLELINBL DS    H                   LENGTH OF INPUT BUFFER
               *LELXLEN EQU   ((*+7-PLEX)/8)*8    LENGTH OF EXTENSION
               ******************************************************************
               * PLE EXTENSION FOR UCF LINE
```

```
                ******************************************************************
0000CE                  ORG   PLEX                SET ORIGIN TO THE EXTENSION
000080          PLEZFSTB DS    CL8                NAME OF FRONT END SYSTEM TABLE
000088          PLEZFSTA DS    A                  ADDRESS OF FRONT END SYSTEM TABLE
00008C          PLEZERUA DS    A                  ADDRESS OF ERUS VECTOR TABLE.
000090          PLEZCSES DS    F                  CURRENT SESSION NUMBER
000094          PLEZEREA DS    A                  ERE ANCHOR
000098          PLEZNTIM DS    F                  NEXT TIME TO POST PLEZTECB
00009C          PLEZTECB DS    F                  ECB POSTED BY TICTOC
0000A0          PLEZTERE DS    A                  ANCHOR FOR ERE'S ON TIMER CHAIN
0000A4          PLEZSNON DS    A                  QUEUE OF ERE'S WAITING TO SINON
        00028   PLEZXLEN EQU   (((*+7)-PLEX)/8)*8  LENGTH OF EXTENSION
                ******************************************************************
                * PLE EXTENSION FOR VTAM SNA DEVICES.                            *
                ******************************************************************
0000A8                  ORG   PLEX                SET ORIGIN TO EXTENSION AREA
000080          PLEEAPID DS    CL10               APPLICATION ID
00008A          PLEEAPPW DS    CL10               APPLICATION PASSWORD
000094          PLEENNIB DS    H                  NUMBER OF NIBS
000096          PLEENRPL DS    H                  NUMBER OF RPL'S
000098          PLEERIRL DS    H                  READ-INITIAL (RECVANY) RETRY LIMIT
00009A          PLEERLVL DS    H                  NBR STACK LEVELS IN RPL NODE
                PLEEACQ  #FLAG X'80'              DRIVER CAN ACQUIRE TERMS
00009C          PLEEACQI DS    0XL1
        00080   PLEEACQM EQU   X'80'
                PLEELGP  #FLAG X'20'              LOGON PENDING
00009C          PLEELGPI DS    0XL1
        00020   PLEELGPM EQU   X'20'
                PLEEFWP  #FLAG X'10'              CONTINUE FIND WAITING PTE
00009C          PLEEFWPI DS    0XL1
        00010   PLEEFWPM EQU   X'10'
00009C          PLEEFLG1 DS    X                  FLAG BYTE 1
00009D          PLEEFLG2 DS    X                  FLAG BYTE 2
00009E          PLEETPRN DS    X                  VTAM EXIT TPEND REASON CODE
0000A0          PLEEEXLA DS    F                  ADDRESS OF EXITLIST
0000A4          PLEEFRPL DS    F                  ADDRESS OF FIRST RPL
0000A8          PLEEWRPL DS    F                  CHAIN ANCHOR PTE AWAITING RPL
0000AC          PLEERRPL DS    F                  ADDRESS OF 'READ INITIAL' RPL
0000B0          PLEELRPL DS    F                  ADDRESS OF LOGON RPL NODE
0000B4          PLEEXRPL DS    F                  ADDRESS OF RESP/DFASY 'EXIT' RPL
0000B8          PLEELTRC DS    F                  ADDRESS OF LOCAL TRACE TABLE
0000BC          PLEEQRPN DS    F                  NUMBER OF RPL REQUESTS
0000C0          PLEEWRPN DS    F                  NUMBER OF WAITS FOR RPL'S
0000C4          PLEEACBL DS    F                  LNG OF ACB
0000C8          PLEERPLL DS    F                  LNG OF RPL
0000CC          PLEEEXLL DS    F                  LNG OF EXIT LIST
0000D0          PLEENIBL DS    F                  LNG OF NIB
0000D4          PLEELERR DS    4F                 ERR INFO FROM LOGON OR OTHER
                *                                 PLACES WHERE NO PTE IS AVAIL
0000E4          PLEETIRH DS    A                  ADDRESS OF TIRH APPENDAGE IN D0EV
0000E8          PLEECONR DS    A       ADDRESS OF TIRH CONNECT REQ APPENDAGE IN D0EV
0000EC          PLEEFACT DS    A               ADDRESS OF FACTOTUM APPENDAGE IN D0EV
0000F0          PLEEMSTR DS    A               ADDRESS OF MASTER'S APPENDAGE IN D0EV
0000F4          PLEEFLUE DS    A                  ADDRESS OF FIRST LUE IN CHAIN
0000F8          PLEENNAM DS    CL8                NETWORK ID
        00080   PLEEXLEN EQU   (((*+7)-PLEX)/8)*8  LENGTH OF EXTENSION
                ******************************************************************
                * EXTENSION FOR APPC EMULATOR LINES
                ******************************************************************
000100                  ORG   PLEX          SET ORIGIN FOR EXTENSION
000080          PLEFDOUB DS    D             DOUBLE WORD
000088          PLEFSAID DS    CL8           AREA TO BUILD SCRATCH ID
000090          PLEFLLU  DS    CL8           LOCAL "LOGICAL UNIT" NAME
000098          PLEFLIST DS    8F            SYSPLIST AREA
0000B8          PLEFECBL DS    A             ADDRESS OF ECB LIST
0000BC          PLEFTOPE DS    A             ADDR OF CURRENT TOP ENTRY IN ECB LIST
```

```
0000C0         PLEFFECB DS    3A            A-FREE-PTERM-IS-AVAILABLE ECB
0000CC         PLEFFPTE DS    A             ADDR OF FIND-AVAILABLE-PTERM ROUTINE
0000D0         PLEFABRT DS    A             ADDR OF CHECK-ABORTING-ERE ROUTINE
0000D4         PLEFALAP DS    A             ADDR OF TIRH ALLOCATION APPENDAGE
0000D8         PLEFTIRH DS    A             ADDR OF TIRH REQUEST APPENDAGE
0000DC         PLEFFREE DS    A             ADDR OF #FREELTE APPENDAGE
0000E0                  DS    5A            *** UNUSED **
0000F4         PLEF#PTE DS    H             Copy of PLENTERM
               PLEFDTS  #FLAG X'01'         RUN THRU TRANS SERV LOOP AGAIN
0000F6         PLEFDTSI DS    0XL1
        00001  PLEFDTSM EQU   X'01'
0000F6                  DS    X             FLAGS
        00078  PLEFXLEN EQU   ((*+7-PLEX)/8)*8  LENGTH OF EXTENSION
```

1.105 #PRMDS

```
                         COPY #PRMDS
                ******************************************************************
                ***  IDMS/DC STARTUP PARAMETERS                                  ***
                ******************************************************************

Offset  Value

000000          PRMDS    DSECT                          07:13:50 01/03/85   01/22/92
000000          PRMFREE  DS    F                   OS STORAGE TO BE FREED
000004          PRMSYS   DS    H                   SYSTEM VERSION TO BE BROUGHT UP
000006          PRMRMAP  DS    H                   # OF ENTIRIES IN REGION MAP
                         PRINT NOGEN
                PRMPROM  #FLAG X'80'               PROMPTING REQUESTED INDICATOR
                PRMPRSY  #FLAG X'40'               PROMPT FOR SYSTEM VERSION.
                PRMGTVS  #FLAG X'20'               STORAGE MODE OF GETVIS FOR DOS/VS.
                PRMPRTF  #FLAG X'10'               BS2K: AUTOMATIC PRINT OF CDMSLOGA
                PRMSCRN  #FLAG X'08'               VSE : SVC SCREENING ON/OFF FLAG
                         PRINT GEN
000008                   DS    X
000009          PRMDMNAM DS    CL8                 DMCL NAME.
000011          PRMXMPSZ DS    XL1                 BS2K: XMEMORY POOL SIZE IN 64K SEG
000012          PRMRSIZE DS    H                   BS2K: REGION SIZE AT STARTUP
                ***  VARIABLES USED IN COMMON BY RHDCATCM AND RHDCOS00
000014          WTOEXTA  DS    A                   ADDR OF WTOEXIT
000018          WTOREXTA DS    A                   ADDR OF WTOREXIT
00001C          UPECBA   DS    A                   ADDR OF CV UP ECB
000020          CVSAVEA  DS    A                   ADDR OF DBDC SUBTASK SAVEAREA
000024          STGSTRT  DS    A                   START OF DBDC STORAGE
000028          STGLEN   DS    A                   LENGTH OF DBDC STG
00002C          LDUPECBA DS    A                   ADDR OF LOADER SUBTASK UP ECB
000030          TOTLEN   DS    A                   TOTAL LENGTH OF GETVIS'ED STG
000034          ADRUSVCA DS    A                   VCON TO IDMSUSVC
000038          ADRFTAB  DS    A                   VCON TO RHDCFTAB
00003C          LDDNECBA DS    A                   ADDR OF LOADER DOWN ECB
000040          ATCMEPA  DS    A                   ADDR OF RHDCATCM'S ENTRY POINT.
                ICCFIND  #FLAG X'80'              ICCF INDICATOR
000044          ICCFINDI DS    0XL1
        00080   ICCFINDM EQU   X'80'
000044          00         DC    X'00'              FLAG AREA
000045                   DS    XL3                 RESERVED                      *DKK*
000048          EXCPRMA  DS    A                   VCON TO EXEC-PARMS (VSE)      *DKK*
```

1.106 #PRTDS

```
                        COPY #PRTDS

Offset  Value

000000          PRT      DSECT                           10:07:07 04/13/87   08/11/90
                ************************************************************************
                * PRINTER TASK CONTROL AREA
                *       (POINTED TO BY CSAPRTA)
                ************************************************************************
000000 D                 DC    CL4'PRT*'           IDENTIFIER FOR DUMPS
000004          PRTFLTEA DS    A                   FIRST PRINTER LTERM ADDR
000008          PRTRUNID DS    CL4                 RUN IDENTIFIER DERIVED FROM CSAITVCT
00000C          PRTSEQNO DS    PL4                 REPORT SEQUENCE NUMBER
000010          PRTLOCK  DS    A                   LOCK WORD FOR PRTSEQNO
000014          PRTQUED  DS    BL16            REPORT-QUEUED-FOR-THIS-CLASS BIT PATTERN
000024          PRTSECB  DS    A                   PRINTER SERVICE ECB
000028          PRTRPEQ  DS    128A                ANCHORS FOR PRINT CLASS RPE QUEUES
000228          PRTLEN   DS    A                   LENGTH OF PRT AND LTERM RPE'S
00022C                   DS    3A                  RESERVED
000238          PRTECBL  DS    0A                  START OF PRNTTASK'S ECB LIST
        00238   PRTDSLEN EQU   *-PRT        LENGTH OF PRT AREA NOT INCLUDING ECB LIST
000000          RPE      DSECT
                ************************************************************************
                *  REPORT ELEMENT
                ************************************************************************
000000 D                 DC    CL4'RPE*'           IDENTIFIER FOR DUMPS
000004          RPENRPEA DS    A                   ADDRESS OF NEXT RPE CHAINED OFF TCE
000008          RPETOTLN DS    PL3                 TOTAL LINES IN REPORT
00000B          RPEBCTR  DS    X                   BANNER ROUTINE LINE COUNTER
                RPEDEST  #FLAG X'80'               ON IF DEST NAME RATHER THAN CLASS
00000C          RPEDESTI DS    0XL1
        00080   RPEDESTM EQU   X'80'
00000C          RPEDESTN DS    CL8                 PRINT DESTINATION NAME
000014                   ORG   RPEDESTN
00000C          RPECLASS DS    XL2                 PRINT CLASS - BYTE AND BIT OFFSET
00000E          RPECLSNO DS    H                   PRINT CLASS - BINARY
000010                   ORG
000014          RPERPTID DS    X                   USER-SPECIFIED REPORT IDENTIFIER
000015          RPENOLNS DS    PL3                 # OF LINES LEFT TO PRINT IN REPORT
000018          RPEPGDBK DS    F                   QRID OF LAST PAGE CHECKPOINT
00001C          RPEQNAME DS    CL16                REPORT QUEUE NAME 'RHDCREPT...'
00002C                   ORG   RPEQNAME+8          REPORT ID IS LAST HALF OF Q NAME
000024          RPERPTNM DS    CL8                 REPORT NAME
00002C          RPELTEID DS    CL8                 LOGICAL TERMINAL ID OF CREATOR
000034          RPEPGMID DS    CL8                 PROGRAM OR JOB ID OF CREATOR
00003C          RPEBUFL  DS    H                   LENGTH OF QUEUE BUFFER
00003E          RPEBLIWB DS    H                   BYTES LEFT IN WRITE BUFFER
000040          RPEBUFA  DS    A                   ADDRESS OF QUEUE BUFFER
000044          RPENLA   DS    A                   ADDRESS OF WHERE TO PUT NEXT LINE
000048          RPEBLIB  DS    H                   NUMBER OF BYTES LEFT IN BUFFER
                RPEENDD  #FLAG X'80'               REPORT HAS BEEN ENDED
00004A          RPEENDDI DS    0XL1
        00080   RPEENDDM EQU   X'80'
                RPESNGL  #FLAG X'40'               REPORT CONSISTS OF A SINGLE LINE
00004A          RPESNGLI DS    0XL1
        00040   RPESNGLM EQU   X'40'
                RPEHOLD  #FLAG X'20'               DON'T PRINT TIL RELEASED BY DCMT
00004A          RPEHOLDI DS    0XL1
        00020   RPEHOLDM EQU   X'20'
                RPEDIRT  #FLAG X'10'               REPORT IS BEING PRINTED DIRECTLY
00004A          RPEDIRTI DS    0XL1
        00010   RPEDIRTM EQU   X'10'
                RPEREL3  #FLAG X'08'               RELEASE 3 FORMAT REPORT ELEMENT
```

```
Offset  Value

00004A          RPEREL3I DS    0XL1
        00008   RPEREL3M EQU   X'08'
                RPEFRST  #FLAG X'04'               FIRST LINE OF REPORT
00004A          RPEFRSTI DS    0XL1
        00004   RPEFRSTM EQU   X'04'
                RPEPBAN  #FLAG X'02'               PRINTING REPORT BANNER
00004A          RPEPBANI DS    0XL1
        00002   RPEPBANM EQU   X'02'
                RPEBRTY  #FLAG X'01'               BANNER RETRY NEEDED
00004A          RPEBRTYI DS    0XL1
        00001   RPEBRTYM EQU   X'01'
00004A                   DS    X                   FLAGS
00004B          RPESLOPT DS    X                   SINGLE LINE OPTIONS
00004C          RPESLLEN DS    H                   SINGLE LINE LENGTH
00004E          RPECOPYS DS    X                   NUMBER OF COPIES REMAINING TO PRINT
00004F          RPEUSER  DS    CL32                USERID OF REPORT ORIGINATOR
00006F          RPECTIME DS    CL11                TIME REPORT WAS CREATED
00007A          RPECDATE DS    CL6                 DATE REPORT WAS CREATED
000080          RPERPXA  DS    A                   ADDRESS OF CURRENT EXTENSION ELEM
000084          RPEDDEA  DS    A                   ADDRESS OF DDE IF DEST, NOT CLASS
000088          RPELTEA  DS    A                   LTE ADDR OF PRINTER IF DIRECT
                RPETRB   #TREQ WRITE,MF=L,COND=ALL,OPTNS=(MAP,NOJRNL)
                *********+ TERMINAL REQUEST BLOCK ++++++++++++++++++++++++++++++++++++
00008C          RPETRB   DS    0A                  FORCE FULL-WORD ALIGNMENT          +
00008C 8                 DC    B'10000001'                 +0 REQ TYPE                +
00008D 0                 DC    B'00001001'                 +1 DEVICE-INDEPENDENT OPTNS+
00008E 0                 DC    B'00000000'                 +2 DEVICE-DEPENDENT OPTNS  +
00008F 7                 DC    B'1111111'                  +3 CONDITION FLAGS         +
000090 0                 DC    A(0)                +4  OUTAREA, UIOCB, OR LOGDATA     +
000094 0                 DC    AL2(0)              +8  OUTPUT DATA LENGTH             +
000096 0                 DC    AL2(0)              +10 MAXIMUM LENGTH OF INPUT AREA   +
000098 0                 DC    A(0)                +12                                +
00009C 0                 DC    B'00000000'                 +16  EXT OPTNS             +
00009D 0                 DC    B'00000000'                 +17  EXT OPTNS             +
00009E 0                 DC    B'00000000'                 +18  EXT OPTNS             +
00009F 0                 DC    B'00000000'                 +19  EXT OPTNS             +
                *********************************************************************
        00014   RPETRBLN EQU   *-RPETRB            LENGTH OF TRB
                RPEALLD  #FLAG X'01'               PRINT TO ALL LTERMS IN DEST
0000A0          RPEALLDI DS    0XL1
        00001   RPEALLDM EQU   X'01'
                RPELCK   #FLAG X'02'               LOCK RPE WHILE DCMT VARY IN PROGRESS
0000A0          RPELCKI  DS    0XL1
        00002   RPELCKM  EQU   X'02'
                RPEKEEP  #FLAG X'04'               KEEP REPORT AFTER PRINTING
0000A0          RPEKEEPI DS    0XL1
        00004   RPEKEEPM EQU   X'04'
                RPESYSC  #FLAG X'08'               SYSCA copy of finished report
0000A0          RPESYSCI DS    0XL1
        00008   RPESYSCM EQU   X'08'
                RPELST   #FLAG X'40'               LAST-WRITE INDICATOR SENT TO DRIVER
0000A0          RPELSTI  DS    0XL1
        00040   RPELSTM  EQU   X'40'
                RPEPTNG  #FLAG X'80'               REPORT IS PRINTING
0000A0          RPEPTNGI DS    0XL1
        00080   RPEPTNGM EQU   X'80'
0000A0                   DS    X                       STILL MORE FLAGS
0000A1          RPECOPY2 DS    X                   ORIGINAL NUMBER OF COPIES REQUESTD
0000A2          RPENOADJ DS    H                   NUM OF ADJ'S POINTING TO THIS RPE
0000A4          RPELEN   DS    H                   LENGTH OF RPE WITH EXTENSION
0000A6          RPEPRTY  DS    X                   PRIORITY OF THE PRINT
0000A7                   DS    X                   UNUSED
0000A8          RPEANCHR DS    A                   ANCHOR OF IN-CORE QUEUE RPE IS ON
0000AC          RPECQDBK DS    A                   CURRENT QUEUE RECORD DATABASE KEY
0000B0                   DS    A                   UNUSED
                *                               Savepoint fields
```

```
Offset  Value

0000B4          RPESNLA  DS    A                   ->Next output line in buffer
0000B8          RPESBLIB DS    H                   # of bytes left in buffer
                RPESNDD  #FLAG X'80'               "Ended" flag
0000BA          RPESNDDI DS    0XL1
        00080   RPESNDDM EQU   X'80'
                RPESVPT  #FLAG X'40'               No activity since savepoint
0000BA          RPESVPTI DS    0XL1
        00040   RPESVPTM EQU   X'40'
0000BA                   DS    X
0000BB          RPESLNS  DS    PL3                 # of lines
                *
0000C0                   DS    0F
        000C0   RPEDSLEN EQU   *-RPE                LENGTH OF BASIC RPE
                ******************************************************************
                * FOR REPORTS WHICH ARE BEING PRINTED TO ALL THE LTERMS IN A DESTIN-
                * ATION, THERE IS AN EXTENSION TO THE RPE CONTAINING A SLOT FOR EACH
                * OF THE LTERMS THAT WERE ACTIVE IN THE DESTINATION AT THE TIME THE
                * REPORT WAS CREATED.
                ******************************************************************
000000          RPX      DSECT
000000          RPXLTEID DS    CL8        LTERM ID OF AN LTERM IN THE DESTINATION
000008          RPXPGDBK DS    F          QRID OF LAST PAGE CHECKPOINT FOR THIS LTERM
00000C          RPXCOPYS DS    X          # OF COPIES LEFT TO PRINT ON THIS LTERM
00000D          RPXNOLNS DS    PL3        # OF LINES LEFT TO PRINT IN CURRENT COPY
000010                   DS    2A         UNUSED
        00018   RPXDSLEN EQU   ((*-RPX+3)/4)*4      LENGTH OF ONE EXTENSION ELEMENT
000000          ADJ      DSECT
                *********************************************************************
                * ALL-DEST JUNCTION ELEMENT
                *       (POINTED TO BY LTEADJA)
                *         WHEN A REPORT IS TO BE PRINTED ON ALL LTERMS IN A PRINTER
                *         DESTINATION, AN ADJ IS BUILT TO LINK EACH OF THE LTERMS IN
                *         THE DESTINATION TO THE REPORT ELEMENT(RPE).
                *********************************************************************
000000 C        ADJID    DC    CL4'ADJ*'           IDENTIFIER FOR DUMPS
000004          ADJNADJ  DS    A                   NEXT ADJ ON THIS LTERM'S CHAIN
000008          ADJRPEA  DS    A                   ADDRESS OF REPORT ELEMENT         CT
00000C          ADJRPXA  DS    A                   ADDRESS OF REPORT EXTENSION ELEM  CT
        00010   ADJDSLEN EQU   ((*-ADJ+3)/4)*4
                         PRINT GEN
```

1.107 #PTEDS

```
                        COPY #PTEDS

Offset  Value

000000          PTE      DSECT                                            11/30/94
                ***************************************************************
                ***                                                         ***
                *** PHYSICAL TERMINAL ELEMENT DSECT                         ***
                ***                                                         ***
                ***************************************************************
                         PRINT NOGEN
000000          PTEID    DS    CL8                 TERMINAL ID
000008          PTEPLEA  DS    A                   ADDRESS OF PLE
00000C          PTENPTE  DS    A                   ADDRESS OF NEXT PTE
000010          PTELTEA  DS    A                   ADDRESS OF LOGICAL TERMINAL ELEMENT
000014          PTETRBA  DS    A                   ADDRESS OF CALLER'S TRB
000018          PTERECB  DS    3A                  INTERNAL REQUEST ECB FOR TIRH
000024          PTETYPE  DS    X                   DEVICE TYPE
                * When adding a device type, also update the #PTETYPE macro
        00000   PTEUCF   EQU   0                   UCFTERM
        00001   PTEINOUT EQU   1                   INOUTT
        00002   PTER3275 EQU   2                   R3275
        00003   PTES3277 EQU   3                   S3277
        00004   PTEL3277 EQU   4                   L3277
        00004   PTEV3277 EQU   4                   V3277
        00004   PTED3277 EQU   4                   D3277
        00004   PTETCAM  EQU   4                   TCAMTRM
        00005   PTER3277 EQU   5                   R3277
        00006   PTES3278 EQU   6                   S3278
        00007   PTER3278 EQU   7                   R3278
        00007   PTEV3278 EQU   7                   V3278
        00007   PTED3278 EQU   7                   D3278
        00008   PTEL3278 EQU   8                   L3278
        00009   PTER3284 EQU   9                   R3284
        0000A   PTEL3284 EQU   10                  L3284
        0000A   PTEV3284 EQU   10                  V3284
        0000A   PTED3284 EQU   10                  D3284
        0000B   PTER3286 EQU   11                  R3286
        0000C   PTEL3286 EQU   12                  L3286
        0000C   PTEV3286 EQU   12                  V3286
        0000C   PTED3286 EQU   12                  D3286
        0000D   PTER3287 EQU   13                  R3287
        0000E   PTEL3287 EQU   14                  L3287
        0000E   PTEV3287 EQU   14                  V3287
        0000E   PTED3287 EQU   14                  D3287
        0000F   PTER3288 EQU   15                  R3288
        00010   PTEL3288 EQU   16                  L3288
        00010   PTEV3288 EQU   16                  V3288
        00010   PTED3288 EQU   16                  D3288
        00011   PTER3289 EQU   17                  R3289
        00011   PTEV3289 EQU   17                  V3289
        00012   PTEL3289 EQU   18                  L3289
        00013   PTEASR33 EQU   19                  ASR33
        00014   PTECRT   EQU   20                  CRT
        00015   PTERO33  EQU   21                  RO33
        00016   PTE2741  EQU   22                  2741
        00017   PTEOPER  EQU   23                  OPERATOR
        00018   PTESYSOT EQU   24                  SYSOUTT
        00019   PTEVLU   EQU   25                  VTAM LU
                *
        00020   PTEL3279 EQU   32                  L3279
        00020   PTER3279 EQU   32                  R3279
        00020   PTES3279 EQU   32                  S3279
```

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Offset  Value

        00020  PTEV3279 EQU   32                  V3279
        00021  PTER3741 EQU   33                  R3741
        00022  PTE3780S EQU   34                  R3780S
        00023  PTE3741S EQU   35                  R3741S
        00024  PTES3275 EQU   36                  R3275S
        00025  PTER3780 EQU   37                  R3780
               *
        0002F  PTEBULK  EQU   47                  BULK  (DDS CCI )  (RHDCDnLV)   R12.0
        00030  PTESVC   EQU   48                  SVC   (SDS LINE)  (OBSOLETE)   R12.0
        00031  PTECTC   EQU   49                  CTC   (SDS LINE)  (OBSOLETE)   R12.0
        00032  PTEBSC   EQU   50                  BSC   (SDS LINE)  (OBSOLETE)   R12.0
        00033  PTEVTAM  EQU   51                  VTAM  (DDS VTAM)  (RHDCDnLX)   R12.0
        00034  PTESNALU EQU   52                  SNA LU - GENERAL CATEGORY
        00035  PTE36LU  EQU   53                  3600 FULL-FUNCTION LU
        00036  PTE36PL  EQU   54                  3600 PIPELINE
        00037  PTE3614  EQU   55                  3614
        00038  PTELU62  EQU   56                  SNA LU 6.2 SESSION
               *
        00041  PTEDVTSU EQU   65                  DVTSU                     GRD
        00042  PTED8160 EQU   66                  D8160                     GRD
        00043  PTED816X EQU   67                  GENERIC SIEMENS TERMINAL GRD
        00044  PTED9750 EQU   68                  D9750
        00045  PTED812X EQU   69                  GENERIC SIEMENS PRINTER
        00046  PTED8121 EQU   70                  D8121
        00047  PTED8122 EQU   71                  D8122
        00048  PTED9003 EQU   72                  D9003
        00049  PTEAPPCE EQU   73                  ADV PROG TO PROG COMM EMULATOR
        0004A  PTEVTX   EQU   74                  VIDEOTEX
        0004B  PTEDCAM  EQU   75                  DCAM (SDS LINE)   (OBSOLETE)   R12.0
        0004C  PTEH560  EQU   76                  GENERIC HITACHI TERMINAL
               *
        00050  PTE3278K EQU   80                  IBM 3278K KANJI
        00051  PTE5550  EQU   81                  IBM 5550  KANJI
        00052  PTE9450  EQU   82                  FACOM 9450
000025         PTEMODL  DS    X                   DEVICE MODEL
               PTECLOS  #FLAG X'01'               TERMINAL IS CLOSED (NEVER OPENED)
               PTEOUTS  #FLAG X'02'               TERMINAL IS OUT-OF-SERVICE
               PTEDISC  #FLAG X'04'               DISCONNECTED OR INTERVENTION REQ.
               PTE3270  #FLAG X'08'               TERMINAL LOOKS LIKE A 3270 DISPLAY
               PTEINPQ  #FLAG X'10'               INPUT IS QUEUED - PTERBUF IS VALID
               PTEHOLD  #FLAG X'20'               DONT VARY OUT WHILE ON
               PTEVOUT  #FLAG X'40'         LINE DRIVER SHOULD VARY PTE OUT-OF-SERVICE
               PTEVIN   #FLAG X'80'         LINE DRIVER SHOULD VARY PTE IN-SERVICE
               PTEVIO   #FLAG PTEVINM+PTEVOUTM    VARY IN OR VARY OUT REQUESTED *RBK
               PTEDEAD  #FLAG PTECLOSM+PTEOUTSM+PTEDISCM+PTEVOUTM   TERMINAL IS "DEAD"
000026         PTESTAT  DS    X                   STATUS OF TERMINAL
               PTERIP   #FLAG X'01'               REQUEST IN PROGRESS
               PTEHALT  #FLAG X'02'               HALT REQUESTED
               PTESERV  #FLAG X'04'               WAITING FOR SERVICE
               PTEHLSV  #FLAG PTEHALTM+PTESERVM   HALT OR SERVICE REQUESTED     *RBK
               * NOTE THE FOLLOWING FLAGS MAY BE USED BY INDIVIDUAL LINE DRIVERS FOR
               * FOR DEVICE-SPECIFIC PURPOSES.  NO OTHER MODULE SHOULD USE THEM.
               PTEARCV  #FLAG X'08'               ATTN RECEIVED
               PTEWATN  #FLAG X'10'               WAITING FOR ATTENTION
               PTERDST  #FLAG X'20'               READ SENSE/STATUS INFO
               PTEPFS   #FLAG X'20'               PF-KEY SIMULATION ACTIVE
               PTEFYIN  #FLAG X'40'               INPUT MSG TO BE CONVERTED (BS2K)
               PTERTRY  #FLAG X'40'               RETRY I/O OPERATION
               PTEWRDY  #FLAG X'80'               WAIT FOR READY STATUS
000027         PTERSTA  DS    X                   REQUEST STATUS
000028         PTESTATA DS    A                   ADDR OF STATS BLOCK
00002C         PTEFQUE  DS    F                   FORWARD POINTER FOR PTE QUEUEING
000030         PTEBQUE  DS    F                   BACKWARD POINTER FOR PTE QUEUEING
               *-----------------------------------------------------------------------
               *    Terminal characteristics acquired by Read Partition
               *-----------------------------------------------------------------------
```

Offset	Value				
000034		PTEETC	DS	0C	Partner characteristics area
		PTEEAB	#FLAG	X'80'	Read Partition Query list done
		PTEEQR	#FLAG	X'40'	Query Reply capability
		PTEEDS	#FLAG	X'20'	Dynamic size requested
		PTEEPRB	#FLAG	X'10'	Examine Permanent Read buffer size
000034		PTEEAB1	DS	X	EXTENDED ATTRIBUTE I
		PTECLF1	#FLAG	X'80'	The color BLUE (QC 86)
		PTECLF2	#FLAG	X'40'	The color RED (QC 86)
		PTECLF3	#FLAG	X'20'	The color PINK (QC 86)
		PTECLF4	#FLAG	X'10'	The color GREEN (QC 86)
		PTECLF5	#FLAG	X'08'	The color TURQUOISE (QC 86)
		PTECLF6	#FLAG	X'04'	The color YELLOW (QC 86)
		PTECLF7	#FLAG	X'02'	NEUTRAL or color WHITE (QC 86)
000035		PTEEAB2	DS	X	EXTENDED ATTRIBUTE II
		PTEHLF1	#FLAG	X'80'	BLINK
		PTEHLF2	#FLAG	X'40'	REVERSE VIDEO (QC 87)
		PTEHLF4	#FLAG	X'20'	UNDERSCORE (QC 87)
		PTEPP	#FLAG	X'10'	Device is a page printer (QC 81)
		PTEHC	#FLAG	X'08'	hard copy device (QC 81)
		PTE12BA	#FLAG	X'04'	12 bit addressing 3270 (QC 81)
		PTE14BA	#FLAG	X'02'	14 bit addressing 3270 (QC 81)
		PTE16BA	#FLAG	X'01'	16 bit addressing 3270 (QC 81)
000036		PTEEAB3	DS	X	EXTENDED ATTRIBUTE III
		PTEVC	#FLAG	X'80'	variable cells device (QC 81)
		PTENMC	#FLAG	X'40'	non matrix characters (QC 81)
		PTEPELL	#FLAG	X'20'	cell units in pells (QC 81)
		PTELPS	#FLAG	X'10'	Load PS supported (QC 85)
		PTELEPS	#FLAG	X'08'	Load Extended PS (QC 85)
		PTEGF	#FLAG	X'04'	Global Coded Graphic Char (QC 85)
		PTECH2	#FLAG	X'02'	2-bytes coded character (QC 85)
		PTEGE	#FLAG	X'01'	Graphic Escape supported (QC 85)
000037		PTEEAB4	DS	X	EXTENDED ATTRIBUTE IV
		PTEEME	#FLAG	X'80'	Mandatory entry supported (QC 8A)
		PTEEMF	#FLAG	X'40'	Mandatory field supported (QC 8A)
		PTEETG	#FLAG	X'20'	Trigger supported (QC 8A)
		PTEEFP	#FLAG	X'10'	Format Presentation (QC 90)
		PTEEDDM	#FLAG	X'08'	Distr. Data Mgt DDM (QC 95)
		PTEEAUD	#FLAG	X'04'	Auxiliary device supp. (QC 99)
		PTEEOAU	#FLAG	X'02'	OEM Auxiliary device supp.(QC 8F)
000038		PTEEAB5	DS	X	EXTENDED ATTRIBUTE V
		PTEPVS	#FLAG	X'80'	Vertical Scrolling (QC 84)
		PTEPPA	#FLAG	X'40'	Point Addressability (QC 84)
		PTEPPRO	#FLAG	X'20'	Partition Protection (QC 84)
		PTEPCOP	#FLAG	X'10'	Presentation space copy (QC 84)
		PTEPMOD	#FLAG	X'08'	Partition Modify (QC 84)
		PTEEMSR	#FLAG	X'04'	Magnetic Slot Reader MSR (QC 8B)
000039		PTEEAB6	DS	X	EXTENDED ATTRIBUTE VI
		PTETVS	#FLAG	X'80'	Vertical Scrolling (QC 83)
		PTETPA	#FLAG	X'40'	Point Addressability (QC 83)
		PTETPRO	#FLAG	X'20'	Partition Protection (QC 83)
		PTETMOD	#FLAG	X'10'	Partition Modify (QC 83)
		PTESOSI	#FLAG	X'08'	SO/SI Self defining (QC 91)
		PTESOCR	#FLAG	X'04'	SO/SI input create (QC 91)
00003A		PTEEAB7	DS	X	EXTENDED ATTRIBUTE VII
		PTEDBCS	#FLAG	X'80'	Terminal supports DBCS (QC 91)
		PTEOUTL	#FLAG	X'40'	Terminal supports Outl. (QC 8C)
		PTECLR	#FLAG	X'20'	Terminal supports Color (QC 86)
		PTEEHL	#FLAG	X'10'	Terminal supports Ext Hl.(QC 87)
00003B		PTEEAB8	DS	X	EXTENDED ATTRIBUTE VII
		PTESDBC	#FLAG	X'80'	Terminal simulates DBCS (dbcs)
		PTEDSIM	#FLAG	X'40'	DBCS simulation on 3270 (dbcs)
		PTEDDMT	#FLAG	X'20'	Terminal DDM I/O Trace ind.(dbcs)
		PTEDDMS	#FLAG	X'10'	I/O Trace DBCS simulation (dbcs)
		PTEOMFM	#FLAG	X'08'	FORMAT MAP processing (dbcs)
		PTEFACM	#FLAG	X'04'	Set by FACOMPTE Program (dbcs)
00003C		PTEDDFLG	DS	X	DBCS Device Dependant Flags

```
Offset  Value

00003D                  DS    XL3                 Reserved
000040          PTEQBS  DS    H                   WSF buffer size           (QC 81)
        0000E   PTEETCL EQU   *-PTEETC            Partner characteristics area length
                *-----------------------------------------------------------------------
000042                  DS    H                   RESERVED (UNUSED)
                *       DS    3F                  RESERVED (UNUSED)
000044          PTERSCUR DS   F   CURRENT CUMULATIVE RESPONSE TIME
000048          PTELSTIM DS   F   TIME OF DAY OF LAST I/O FOR TIMING.
00004C          PTEPERMX DS   X                   MAX # OF CONSECUTIVE PERM ERRS
00004D          PTEPERRS DS   X                   # OF CONSECUTIVE PERMANENT ERRS
                * TERMINAL PARAMETERS
00004E          PTEWSTXL DS   X                   MAX # OF STX CHARS ON WRITE
00004F          PTEWETXL DS   X                   MAX # OF ETX CHARS ON WRITE
000050          PTELLEN  DS   H                   LINE LENGTH
000052          PTEPLEN  DS   H                   PAGE LENGTH IN LINES
000054          PTECANCL DS   C                   CANCEL-TASK CHARACTER
000055          PTEFLUSH DS   C                   LINE EDIT - FLUSH PRECEDING CHARS
000056          PTEDELET DS   C                   LINE EDIT - DELETE PRECEDING CHAR
                PTECASC  #FLAG X'01'              TERMINAL IS ASCII
                PTEFMFD  #FLAG X'02'              328X FORM-FEED IS SUPPORTED
                PTE3280  #FLAG X'04'              TERMINAL LOOKS LIKE 328X PRINTER
                PTEASA   #FLAG X'08'              ASA CONTROL CHARACTER REQUIRED
                PTECSTA  #FLAG X'10'              COLLECT STATS FOR THIS TERMINAL
                PTEEWA   #FLAG X'20'              USE ERASE/WRITE ALTERNATE COMMAND
                PTENRBF  #FLAG X'40'              READ BUFFER NOT SUPPORTED
                PTESCS   #FLAG X'80'              SNA CHARACTER STRING DEVICE 830615
000057          PTEOPTS  DS   X                   TERMINAL OPTIONS
000058          PTERTN   DS   H                   RELATIVE TERMINAL NUMBER
00005A          PTETRCG  DS   X                   TRACE OPTIONS - GOOD I/O'S
00005B          PTETRCB  DS   X                   TRACE OPTIONS - BAD I/O'S
                ***********************************************************************
                *** REQUEST PARAMETERS AND COMPLETION CODES
                ***********************************************************************
00005C          PTERCOMP DS   X                   REQUEST COMPLETION CODE
00005D          PTECOMP  DS   X                   I/O EVENT COMPLETION CODE
        00000   PTECOMPG  EQU 0   GOOD COMPLETION - I/O SUCCESSFUL
        00004   PTECOMPT  EQU 4   INPUT TRUNCATED; INPUT AREA TOO SMALL
        00008   PTECOMPA  EQU 8   TERMINAL OPERATOR HIT ATTN OR BREAK DURING OUTPUT
        0000C   PTECOMPL  EQU 12  LOGICAL ERRORS IN DATA STREAM
        00010   PTECOMPP  EQU 16  PERMANENT I/O ERROR
        00014   PTECOMPD  EQU 20  DIAL UP LINE WAS DISCONNECTED OR INTERVENTION REQ.
        00018   PTECOMPO  EQU 24  TERMINAL IS OUT-OF-SERVICE
        0001C   PTECOMPC  EQU 28  TERMINAL IS CLOSED (OPEN DIDN'T WORK)
        00020   PTECOMPI  EQU 32  INVALID TRB PARAMETER LIST
        00024   PTECOMPB  EQU 36  INVALID 'BLAST' DESTINATION
                PTENENT  #FLAG X'01'           NO 'ENTER NEXT TASK CODE' PROMPT (UCF)
                PTESNTC  #FLAG X'02'           SUSPEND AT NEXT TASK CODE        (UCF)
                PTESUSP  #FLAG X'04'           SUSPEND TERMINAL                 (UCF)
                PTEAPPC  #FLAG X'08'       ADV. PROG TO PROG COMMUNICATIONS SUPPORTED
                PTEMSCL  #FLAG X'10'       MSTR NEEDS TO CLN UP  91111023 JOS
00005E                  DS    X                  FLAG BYTE
00005F                  DS    X               *** UNUSED ***
                ***************************************************************
                * THE FOLLOWING IS A COPY OF THE I/O REQUESTOR'S TRB PARAMETER LIST.
                * THE ORDER OF THESE FIELDS MUST BE KEPT IDENTICAL TO THE ORDER OF
                * THE CORRESPONDING FIELDS IN THE TRB DSECT.
                ***************************************************************
000060          PTETRB   DS    0A
                PTEWRIT  #FLAG X'01'              WRITE REQUEST
                PTEREAD  #FLAG X'02'              READ REQUEST
                PTEWTRD  #FLAG PTEWRITM+PTEREADM  WRITE AND/OR READ REQUEST
                PTECHEK  #FLAG X'04'              CHECK
                PTE81SF  #FLAG X'08'              BS2K-DCAM ONLY OPTIONS SET
                PTEALLO  #FLAG X'10'              ALLOCATE (CONNECT)
                PTEDISR  #FLAG X'20'              DISCONNECT
                         #FLAG X'40'              UNUSED
```

```
Offset  Value

                PTEEXTF  #FLAG X'80'               TRB EXTENSION FLAG
000060          PTERTYP  DS    X                   REQUEST TYPE
                PTEMAP   #FLAG X'01'               REQUEST INVOLVES MAPPING
                PTELOC   #FLAG X'02'               LOCATE MODE TYPE READ
                PTEFREE  #FLAG X'04'               #FREESTG CALLER'S WRITE BUFFER
                PTENJRN  #FLAG X'08'               DO NOT JOURNAL THIS I/O
                PTESAVE  #FLAG X'10'               SAVE THIS WRITE IF BLASTED
                PTEBLK   #FLAG X'20'               Legit for BULK device.
                PTEBLTA  #FLAG X'40'               USE R0 LTEADDR, NOT TCELTEA
                PTEBLST  #FLAG X'80'               BLAST WRITE REQUEST
000061          PTEOPT1  DS    X                   DEVICE-INDEPENDENT REQUEST OPTIONS
                PTENEWP  #FLAG X'01'               NEW-PAGE (OR EJECT OR ERASE/WRITE)
                PTENOPR  #FLAG X'02'               DONT WAIT FOR ATTENTION
                PTEWEAU  #FLAG X'04'               WRITE ERASE ALL UNPROTECTED
                PTEWEOT  #FLAG X'04'               WRITE EOT
                PTERDBF  #FLAG X'08'               READ BUFFER
                PTENOCR  #FLAG X'08'               DONT ISSUE CR AT END OF LINE
                PTEFPOS  #FLAG X'10'               FROM POSITION
                PTEBDST  #FLAG X'20'               'BLAST' TO A DESTINATION ID
                PTEBLTI  #FLAG X'40'               'BLAST' TO LTERM ID
                PTEBUSR  #FLAG X'80'               'BLAST' TO A USER ID
000062          PTEOPT2  DS    X                   DEVICE-DEPENDENT REQUEST OPTIONS
                PTECONT  #FLAG X'01'               INPUT TRUNCATED; AREA TOO SMALL
                PTECONA  #FLAG X'02'               TERMINAL OPERATOR HIT ATTN ON OUTPUT
                PTECONL  #FLAG X'04'               LOGICAL PROBLEMS WITH DATA
                PTECONP  #FLAG X'08'               PERMANENT I/O ERROR
                PTECOND  #FLAG X'10'               TERMINAL IS DEAD
                PTECONI  #FLAG X'20'               INVALID PTE PARAMETER LIST
                PTECONB  #FLAG X'40'               INVALID 'BLAST' DESTINATION
000063          PTECONDC DS    X                   CONDITIONS THE CALLER WILL HANDLE
000064          PTEWADD  DS    0A                  ADDRESS OF DATA TO BE WRITTEN
                PTEMTEX  #FLAG X'01'               EXECUTE THE MDT CHECK
                PTEMTNR  #FLAG X'02'               DO NOT RESET THE MDT
                PTEMTFL  #FLAG X'04'               MANAGE THE SINGLE FIELD MDT
                PTEPHYS  #FLAG X'08'               SEND THE MSG IN PHYSICAL MODE
                PTEPHTR  #FLAG X'10'               TRANS. THE HEADER (PHYS ONLY)
000064          PTEOPT3  DS    X                   BS2K-DCAM ONLY OPTIONS
000065          PTEWADDR DS    AL3                 ADDRESS OF DATA TO BE WRITTEN
000068          PTEWLEN  DS    H                   LENGTH OF DATA TO BE WRITTEN
00006A                   ORG   PTEWLEN             RESET ORIGIN
000068          PTERDPOS DS    H               SCREEN ADDRESS FOR READ FROM POSITION
00006A          PTEMAXR  DS    H                  MAXIMUM LENGTH OF CALLER'S INPUT AREA
00006C          PTERADD  DS    A                   ADDRESS OF CALLER'S INPUT AREA
000070                   ORG   PTERADD
00006C          PTEUIOA  DS    AL4                 ADDR OF UIOCB                *LU62
000070                   ORG   PTERADD
00006C          PTESENS  DS    A               SENSE DATA                       *LU62
                ********** END OF COPY OF TRB **********************************
000070          PTEAID   DS    X      ATTENTION IDENTIFIER TYPED BY USER ON READ
                *  NOTE... FOR 3270 TYPE DEVICES, THIS IS THE VALUE OF THE AID FROM
                *  THE READ DATA STREAM. FOR START-STOP TERMINALS, X'FF' MEANS THE
                *  READ WAS TERMINATED BY A BREAK-KEY. FOR OTHER DEVICES, THIS FIELD
                *  IS NOT SET.
        000FF   PTEBREAK EQU   X'FF'               START-STOP BREAK KEY
        0007D   PTEENTER EQU   X'7D'               ENTER
        0007E   PTELPATN EQU   X'7E'               LIGHT-PEN ATTENTION
        0006D   PTECLEAR EQU   X'6D'               CLEAR
        0006C   PTEPA1   EQU   X'6C'               PA1
        0006E   PTEPA2   EQU   X'6E'               PA2
        0006B   PTEPA3   EQU   X'6B'               PA3
        000F1   PTEPF1   EQU   X'F1'               PF1
        000F2   PTEPF2   EQU   X'F2'               PF2
        000F3   PTEPF3   EQU   X'F3'               PF3
        000F4   PTEPF4   EQU   X'F4'               PF4
        000F5   PTEPF5   EQU   X'F5'               PF5
        000F6   PTEPF6   EQU   X'F6'               PF6
```

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Offset  Value

        000F7  PTEPF7   EQU   X'F7'               PF7
        000F8  PTEPF8   EQU   X'F8'               PF8
        000F9  PTEPF9   EQU   X'F9'               PF9
        0007A  PTEPF10  EQU   X'7A'               PF10
        0007B  PTEPF11  EQU   X'7B'               PF11
        0007C  PTEPF12  EQU   X'7C'               PF12
        000C1  PTEPF13  EQU   X'C1'               PF13
        000C2  PTEPF14  EQU   X'C2'               PF14
        000C3  PTEPF15  EQU   X'C3'               PF15
        000C4  PTEPF16  EQU   X'C4'               PF16
        000C5  PTEPF17  EQU   X'C5'               PF17
        000C6  PTEPF18  EQU   X'C6'               PF18
        000C7  PTEPF19  EQU   X'C7'               PF19
        000C8  PTEPF20  EQU   X'C8'               PF20
        000C9  PTEPF21  EQU   X'C9'               PF21
        0004A  PTEPF22  EQU   X'4A'               PF22
        0004B  PTEPF23  EQU   X'4B'               PF23
        0004C  PTEPF24  EQU   X'4C'               PF24
000071                 DS    X                    RESERVED
000072         PTEBUFL  DS    H                    INPUT BUFFER LENGTH FOR RHDCTAPR
               *                                      OR PRINTER BUFFER SIZE
000074         PTEWBUF  DS    A                    ADDRESS OF WRITE BUFFER
000078         PTERBUF  DS    A                    ADDRESS OF INPUT (READ) BUFFER CHAIN
00007C         PTERLEN  DS    H                    LENGTH OF DATA READ
00007E         PTECUNUM DS    H                    CONTROL UNIT NUMBER
000080         PTEUECB  DS    F                    UNSOLICITED READ ECB
               PTEPRMP  #FLAG X'80'                ENTER NEXT TASK CODE ALONE ON SCRN
               PTEUDEF  #FLAG X'40'                MAPR IS TO USE DEFAULT SCREEN SIZE
               PTEWVIN  #FLAG X'20'                WAITIN FOR RHDCMSTR TO VARY-IN
               PTEVPNQ  #FLAG X'10'                VARY PRINTER IN, USING TH NQ OPT.
               PTEVQUE  #FLAG X'08'                VARY QUIESCE                      UT
               PTEVOFF  #FLAG X'04'                VARY ABORT
               PTEVCON  #FLAG X'02'                VARY CONNECT
               PTEVDIS  #FLAG X'01'                VARY DISCONNECT
000084         PTEFLAG1 DS    X                    FLAG BYTE 1
               PTENORD  #FLAG X'01'                READ NOT ALLOWED
               PTENOWT  #FLAG X'02'                WRITE NOT ALLOWED
               PTEENDR  #FLAG X'04'                END OF REPORT FOR UCF PRINTER
               PTEDEST  #FLAG X'08'                ON IF DEFAULT PRINT TO DESTINATION
               PTETAPR  #FLAG X'10'                RHDCTAPR IS MESSING WITH THIS TERM
               PTELWDF  #FLAG X'20'               LAST WRITE USED DEFAULT ERASE/WRITE
               PTESPW   #FLAG X'40'           SUPPRESS WRITE COMMAND - NOT 3270 DATA
               PTEINRS  #FLAG X'80'                A RESPONSE IS IN PROGRESS   830615
000085         PTEFLAG2 DS    X                    FLAG BYTE 2
               PTEBBUF  #FLAG X'80'                BUFFER BUSY, DON' FREESTG
000086         PTEFLAG3 DS    X                    FLAG BYTE 3
000087         PTEFBFLG DS    X                    UNUSED
000088         PTEPHONE DS    CL(12)               PHONE #(PACKED,DIGIT COUNT BYTE 1)
000094         PTEPRTCL DS    0XL1                 DEFAULT #PRINT CLASS OR
000094         PTEDDEA  DS    A                    ADDR OF DEFAULT #PRINT DEST DDE
000098         PTEXLEN  DS    H                    LENGTH OF DEVICE DEPENDENT EXTENSION
00009A         PTEBWLEN DS    H                    SAVED LENGTH OF 'BLAST' WRITE MSG
00009C         PTEBWADD DS    A                    SAVED ADDRESS OF 'BLAST' WRITE MSG
               ********************************************************************
               * THE FOLLOWING IS A COPY OF THE TRB EXTENSION
               ********************************************************************
0000A0         PTETRBX  DS    0XL4                 TRB EXTENSION
               PTEIFMY  #FLAG X'01'                IN FMH YES
               PTEIFMN  #FLAG X'02'                IN FMH NO
               PTEOFMY  #FLAG X'04'                OUT FMH YES
               PTEOFMN  #FLAG X'08'                OUT FMH NO
               PTECHCO  #FLAG X'10'                CHAIN CONTINUES
               PTELST   #FLAG X'20'                LAST OUTPUT OF SESSION
               PTENCHA  #FLAG X'40'                DO NOT ASSEMBLE CHAINS
               PTENOED  #FLAG X'80'                DO NOT EDIT INPUT
0000A0                 DS    X                       1ST TRB EXTENSION FLAG
```

```
Offset  Value

               PTELINR  #FLAG X'01'               LINE-IO REQUEST ISSUED BY LINR
               PTEUPP   #FLAG X'02'               XLATE INPUT TO UPPER CASE
               PTEUPL   #FLAG X'04'               DON'T XLATE INPUT TO UPPER CASE
               PTEDEW   #FLAG X'08'               USE DEFAULT ERASE/WRITE COMMAND
               PTEUIO   #FLAG X'10'               UIOCB REQUEST - ADDR IN PTEUIOA
               PTEWTRN  #FLAG X'20'               TRANSPARENT WRITE
               PTERLL   #FLAG X'40'               READ LU6.2 LOGICAL RECORD
               PTEINV   #FLAG X'80'               SEND INVITE CHANGE DIRECTION
0000A1                  DS    X                       2ND TRB EXTENSION FLAG
               PTEERRO  #FLAG X'01'               SEND ERROR NOTIFICATION
               PTEABND  #FLAG X'02'               SEND ABEND NOTIFICATION
               PTECNFM  #FLAG X'04'               REQUEST CONFIRMATION
               PTECNFD  #FLAG X'08'               SEND CONFIRMED NOTIFICATION
               PTESIG   #FLAG X'10'               SEND SIGNAL
               PTEIMM   #FLAG X'20'               IMMEDIATE (ALLOCATE)
               PTECONN  #FLAG X'40'               CONNECT -DISC PTE OK FOR ALLOCATE
               *                                  BOTH OFF = ALLOCATE ANY PTE
               PTEFLSH  #FLAG X'80'               FLUSH BUFFERED SEND DATA
0000A2                  DS    X                       3RD TRB EXTENSION FLAG
               PTEWSF   #FLAG X'01'               WRITE STRUCTURED FIELD
0000A3                  DS    X                       4TH TRB EXTENSION FLAG
               ************* END OF COPY OF TRB EXTENSION***************************
0000A4         PTETTYID DS    CL3                 TELETYPE IDENTIFIER (SET BY DCUF)
0000A7                  DS    X                   Unused
0000A8         PTETRCLA DS    A                   TRACE LIST ADDRESS
0000AC         PTEMRBA  DS    A                   ADDR OF MAP REQ BLOCK  *85-10-1062
0000B0         PTEDDMRC DS    CL4                 DEVICE DEPENDENT MODULE R.C.   DXE
0000B4         PTEOTYPE DS    X                   FACOM TERMINAL ORIGINAL TYPE   DXE
0000B5         PTESEST  DS    X                   VIDEOTEX SESSION STATE IND     DLL
0000B6                  DS    XL2                 UNUSED
0000B8                  DS    2F                  -- RESERVED --
0000C0         PTEX     DS    0D                  START OF EXTENSION
        000C0  PTEDSLEN EQU   ((*-PTE+3)/4)*4     LENGTH OF PTE FOUNDATION
                        PRINT GEN
```

1.108 #PTXDS

```
                         COPY #PTXDS
                ************************************************************************
                ***                                                                  ***
                ***   PTE EXTENSION DEFINITIONS.                                     ***
                ***                                                                  ***
                ************************************************************************

Offset  Value

                         PRINT NOGEN
                ********************************************************************
                * PTE EXTENSION FOR SYSIN/OUT DEVICES
                ********************************************************************
                * THERE IS NO EXTENSION TO THE SYSIN/OUT PTE AT THIS TIME
0000C0                   ORG   PTEX              SET ORIGIN TO EXTENSION
        00000   PTE0XLEN EQU   (((*+7)-PTEX)/8)*8  LENGTH OF EXTENSION
                ********************************************************************
                * PTE EXTENSION FOR LOCAL 3270 BTAM TERMINALS
                ********************************************************************
0000C0                   ORG   PTEX                SET ORIGIN TO THE EXTENSION
0000C0          PTE1LUNM DS    X                   DOS LOGICAL UNIT NUMBER
                PTE1ARC  #FLAG X'08'               ATTENTION RECEIVED
                PTE1WAT  #FLAG X'10'               WAITING FOR ATTENTION
0000C1                   DS    X                   FLAG BYTE
0000C2                   DS    2X                  *UNUSED*
0000C4          PTE1BUFF DS    A                   INPUT BUFFER
        00008   PTE1XLEN EQU   (((*+7)-PTEX)/8)*8  LENGTH OF EXTENSION
                ********************************************************************
                * PTE EXTENSION FOR REMOTE BTAM 3270 TERMINALS
                ********************************************************************
0000C8                   ORG   PTEX                SET ORIGIN TO EXTENSION
0000C0          PTE2TRID DS    CL4                 ADDRESSING CHARACTORS
0000C4          PTE2SELA DS    A                   ADDRESS OF SELECTION TABLE ENTRY
0000C8          PTE2CUAD DS    X                   INDEX OF CU FOR THIS TERMINAL
0000C9          PTE2LSTA DS    XL2                 LAST SENSE/STATUS RECEIVED
        00010   PTE2XLEN EQU   (((*+7)-PTEX)/8)*8  LENGTH OF EXTENSION
                ************************************************************************
                * #PTEDS3 - EXTENSION TO PHYSICAL TERMINAL ENTRY DSECT FOR SIMULATED
                *           3270S (PLETYPE=3).
                ************************************************************************
0000CB                  ORG    PTEX
                * THE NEXT AREA REPRESENTS THE "CURRENT" INPUT CARD FOR THIS TERMINAL.
                * ITS FORMAT MUST BE THE SAME AS THAT OF THE "LAST" CARD AREA WHICH
                * FOLLOWS IT.  THESE AREAS MAY BE STORED AS SCRATCH RECORDS DURING
                * THE COURSE OF THE SIMULATION.
0000C0          PTECNEXT DS    F             NUMBER OF NEXT CARD
0000C4          PTECIMG  DS    CL80          CURRENT CARD IMAGE
000114          PTECLNTH DS    H             LENGTH OF DATA ON CURRENT CARD
                PTECCON  #FLAG X'01'         CURRENT CARD IS CONTINUED
                PTECNEC  #FLAG X'02'         CURRENT CARD SHOULD NOT BE ECHOED
000116                   DS    X             FLAG BYTE
000117          PTECESC  DS    C             ESCAPE CHAR WHEN CURRENT CARD WAS READ
000118          PTECPAUS DS    H             DEFAULT PAUSE INTERVAL WHEN CARD WAS READ
        0005A   PTESRLEN EQU   *-PTECNEXT       LENGTH OF CARD AREA (AND SCRATCH REC)
                * THE NEXT AREA REPRESENTS THE "LAST" INPUT CARD FOR THIS TERMINAL.
                * ITS FORMAT MUST BE THE SAME AS THAT OF THE "CURRENT" CARD AREA WHICH
                * THE COURSE OF THE SIMULATION.
00011C          PTELNEXT DS    F             NUMBER OF NEXT CARD
000120          PTELIMG  DS    CL80          LAST CARD IMAGE
000170          PTELLNTH DS    H             LENGTH OF DATA ON LAST CARD
                PTELCON  #FLAG X'01'         LAST CARD IS CONTINUED
000172                   DS    X             FLAG BYTE
000173          PTELESC  DS    C             ESCAPE CHAR WHEN LAST CARD WAS READ
```

```
Offset  Value

000174          PTELPAUS DS    H             DEFAULT PAUSE INTERVAL WHEN CARD WAS READ
000178          PTEPECB  DS    A                   PAUSE ECB
00017C          PTE#LAST DS    F                   NUMBER OF CARD IN "LAST" CARD AREA
000180          PTECEND  DS    A                 POINTER TO END OF DATA ON CURRENT CARD
000184          PTESCADS DS    2A         ADDR OF BEGINNING AND END OF SIMULATED SCREEN
00018C          PTECURSR DS    A                   CURSOR POSITION ON SIMULATED SCREEN
000190          PTECATAD DS    A                   ADDR OF CURRENT ATTRIBUTE BYTE
000194          PTECATTR DS    X                   COPY OF CURRENT ATTRIBUTE BYTE
000195          PTEPATTR DS    X                   ATTRIBUTE OF FIELD BEING PRINTED
000196          PTEDPAUS DS    H                CURRENT DEFAULT PAUSE INTERVAL
000198          PTEWCC   DS    X                   WRITE CONTROL CHARACTER
                PTE3LCK  #FLAG X'01'               KEYBOARD IS LOCKED
                PTE3FRM  #FLAG X'02'               SCREEN IS FORMATTED (CONTAINS FIELDS
                PTE3UNP  #FLAG X'04'               SCREEN CONTAINS UNPROTECTED FIELDS
                PTE3SHR  #FLAG X'08'               DO A "SHORT READ"
                PTE3WRP  #FLAG X'10'      SIMREAD HAS WRAPPED AROUND TO START OF SCREEN
                PTE3LOD  #FLAG X'20'              LAST OUTPUT BYTE WAS A DATA CHARACTER
                PTE3FFU  #FLAG X'40'     ERALLUNP HAS FOUND FIRST UNPROTECTED FIELD
                PTE3OVP  #FLAG X'80'     PRINTSCR HAS TO OVERPRINT CURRENT LINE
000199                   DS    X                   FLAG BYTE
                PTE3NEC  #FLAG X'80'               NO ECHOING OF INPUT
                PTE3STI  #FLAG X'40'               STIMER IN PROGRESS FOR DELAYED RD
00019A                   DS    X                   FLAG BYTE
        000E0   PTE3XLEN EQU   (((*+7)-PTEX)/8)*8  LENGTH OF EXTENSION
                ******************************************************************
                * PTE EXTENSION FOR OPERATOR CONSOLE
                * PTE EXTENSION FOR OPERATOR CONSOLE
                ******************************************************************
                * THERE IS NO PTE EXTENSION FOR OPERATORS CONSOLE
00019B                   ORG   PTEX                 SET ORIGIN TO EXTENSION
        00000   PTE4XLEN EQU   (((*+7)-PTEX)/8)*8  LENGTH OF EXTENSION
                *******************************************************************
                * #PTEDS5
                * EXTENSION TO PTE FOR VTAM DEVICES (OR DCAM DEVICES IN BS2K).
                *******************************************************************
0000C0                  ORG    PTEX
0000C0          PTE5NAME DS    CL8                 TERMINAL NAME
                PTE5ACQ  #FLAG X'80'               ACQUIRE THIS TERMINAL
                PTE5RSV  #FLAG X'40'               RESERVE PTE FOR PTE5NAME
                PTE5HLD  #FLAG X'20'               DO NOT LET GO OF THIS DEVICE
                PTE5REL  #FLAG X'10'               RELEASE PRINTER AFTER EVERY REPORT
0000C8          PTE5FLG1 DS    X
                PTE5PRT  #FLAG X'10'               SET IF DEVICE IS A PRINTER
                PTE5TBB  #FLAG X'20'               TRYING TO SEND BEGIN BRACKET
                PTE5TEB  #FLAG X'40'               TRYING TO SEND END BRACKET
                PTE5LU   #FLAG X'08'               SET IF DEVICE IS A LU
                PTE5PRG  #FLAG X'08'               SET IS PARTNER IS A DCAM PROGRAM
                PTE5MOD  #FLAG X'04'               IF ON USE RECORD MODE
                PTE5327  #FLAG X'02'               SET PTE3270 FLAG
0000C9          PTE5FLG2 DS    X
                PTE5BRK  #FLAG X'80'               ON IF IN BRACKET STATE
                PTE5LGN  #FLAG X'40'               LOGON IN PROGRESS
                PTE5VOU  #FLAG X'20'               SOME OTHER APP WANTS TERM
                PTE5VIN  #FLAG X'10'               SIMLOGON IN PROGRESS
                PTE5HLT  #FLAG X'08'               HALT IN PROGRESS
                PTE5CLD  #FLAG X'04'               CLSDST IN PROGRESS
                PTE5IVR  #FLAG X'02'               TERMINAL HAS INTERVENTION REQ.
                PTE5ODP  #FLAG X'01'               ON FOR OPNDST IN PROGRESS
0000CA          PTE5FLG3 DS    X
                PTE5CDV  #FLAG X'80'               CHANGE DIRECTION VALID
                PTE5CDR  #FLAG X'40'               CHANGE DIRECTION REQUESTED
                PTE5LOS  #FLAG X'20'               CONNECTION LOST (DCAM)           DDK
                PTE5OPN  #FLAG X'10'               OPNCON MACRO IN PROGRESS
                PTE5SIG  #FLAG X'08'               SIGNAL COMMAND RECEIVED
                PTE5RBF  #FLAG X'04'               READ BUFFER COMMAND IN PROGRESS
                PTE5LF   #FLAG X'02'      PRECEDE NEXT WRITE WITH LINE-FEED SEQUENCE
```

```
Offset  Value

                PTE5ASV  #FLAG X'01'               ASYNCHROUS SERVICE NEEDED
0000CB          PTE5FLG4 DS    X
0000CC          PTE5CID  DS    CL4                 ADDRESSING CHARS (CID)
0000D0          PTE5RPLA DS    A                   CURRENT RPL ADDRESS
0000D4          PTE5WORK DS    F                   FULLWORD WORK VARIABLE
0000D8          PTE5CMD  DS    CL8                 SPACE FOR READ SETUP COMMAND
0000E0                   DS    F                   UNUSED
0000E4          PTE5BIND DS    20F                 BIND AREA FOR LOGICAL UNITS
000134          PTE5DELT DS    X                 COPY OF PTEDELET AT START OF SESSION
                PTE5PRM  #FLAG X'80'        PERMANENT  ERROR SAVED
                PTE5RTE  #FLAG X'40'        RETRY-ABLE ERROR SAVED
                PTE5SVE  #FLAG PTE5PRMM+PTE5RTEM       ERROR SAVED
                PTE5RTY  #FLAG X'20'        ON = RETRY HAS BEEN ATTEMPTED ONCE
                PTE5RT2  #FLAG X'10'        ON = RETRY HAS BEEN ATTEMPTED ONCE
                PTE5RSP  #FLAG X'08'        RESPONSE NEEDED
                PTE5CHX  #FLAG X'04'        CHAIN EXCEPTION - RETRY SEND
                PTE5SND  #FLAG X'02'        LAST VTAM REQ = SEND; OFF = LAST REQ READ
                         #FLAG X'01'        UNUSED
000135          PTE5FLG5 DS    X
000136          PTE5BUFL DS    H                   LENGTH OF PERMANENT INPUT BUFFER
000138          PTE5BUFQ DS    A                   BUFFER QUEUE
00013C          PTE5NBAD DS    A                   NEXT BUFFER ADDRESS
000140          PTE5RESP DS    XL8                 SAVED RESPONSE INFO
000148          PTE5XRSP DS    F                   SENSE INFO FROM RESPONSE EXIT
00014C                   DS    3F                  UNUSED
        00098   PTE5XLEN EQU   (((*+7)-PTEX)/8)*8  LENGTH OF EXTENSION
000158                   ORG   PTE5CMD             REDEFINE FOR BS2K-DCAM
0000D8          PTE5PRON DS    CL8                 PROCESSOR NAME IN BS2K-DCAM
0000E0          PTE5DULN DS    F                   LENGTH OF UNSOLICITED READ
0000E4          PTE5DBND DS    20F                 BIND AREA FOR LOGICAL UNITS
000134          PTE5LOSR DS    F                   DCAM LOSCON REASON
000138          PTE5DDEV DS    XL3                 PHYSICAL DEVICE BYTES (YDDCPDEV)
                PTE5WAC  #FLAG X'80'        WAIT FOR OPNCON ACQUIRE: DCAM LIMIT REACHED
                PTE5DAQ  #FLAG X'40'        DYNAMIC ACQUIRE REQUEST (NOT FROM SYSGEN)
                PTE5QVO  #FLAG X'20'        VARY OUT  REQUIRED AT LAST DEALLOCATE
                PTE5QVD  #FLAG X'10'        VARY DISC REQUIRED AT LAST DEALLOCATE
                PTE5MSW  #FLAG X'08'        MODEL VALUE SWITCHED (P->S OR S->P)
                PTE5ISI  #FLAG X'04'        INITIAL PTE STATUS WAS INSRV
                PTE5ISD  #FLAG X'02'        INITIAL PTE STATUS WAS DISCON
                PTE5ISO  #FLAG X'01'        INITIAL PTE STATUS WAS OUTSRV
                PTE5IS   #FLAG PTE5ISIM+PTE5ISDM+PTE5ISOM   INITIAL STATUS ALREADY SET
00013B          PTE5FLG6 DS    X
00013C          PTE5SQN  DS    H                   SEQNO FOR DCAM YSEND
00013E          PTE5RCNT DS    XL1                 CONNECTION RETRY COUNTER
00013F                   DS    XL1                 UNUSED
000140          PTE5OPTE DS    A                   A(ASSOCIATED D0FI PTE)  (SEM62 ONLY)
000144          PTE5VPTE DS    A                   A(NEXT PTE FOR VARY LU) (SEM62 ONLY)
                ****************************************************************
                *** PTE EXTENSION FOR START/STOP TERMINALS
                ****************************************************************
000148                   ORG   PTEX                SET ORIGIN
0000C0          PTE6NAME DS    CL8                 NAME OF TERMINAL
0000C8          PTE6UNIT DS    CL3                 DEVICE ADDRESS
                PTE6HIO  #FLAG X'01'               HALTIO HAS BEEN ISSUED *11/25/80*
0000CB          PTE6FLAG DS    X
0000CC          PTE6UCBA DS    A                   UCB ADDRESS OF THIS UNIT
0000D0          PTE6TTAB DS    A                   ADDRESS OF TRANSLATE TABLE
0000D4          PTE6TDEF DS    A                   ADDRESS OF TERM. PARM ENTRY
0000D8          PTE6PICE DS    A                   PICE ADDRESS OF SETIME
0000DC          PTE6TCOD DS    CL1                 TERMINAL TYPE ID
0000DD          PTE6TIDX DS    XL1                 TRANSLATE TABLE INDEX
0000DE          PTE6CCNT DS    AL2                 CURRENT CARRIAGE POSITION
0000E0          PTE6NLFF DS    AL2                 NUMBER NULLS AFTER FORMFEED
0000E4          PTE6IODA DS    A                   ADDRESS OF DEVICE DEPENDENT MODULE
0000E8          PTE6DCBA DS    A                   ADDRESS OF DCB FOR THIS TERMINAL
0000EC          PTE6IOBA DS    A                   IOB ADDRESS FOR CURRENT I/O
```

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Offset  Value

0000F0          PTE6CHAN DS    A                   ADDRESS OF CHANNEL PROGRAM
0000F4          PTE6LGST DS    A                   ADDRESS OF LOGON STG
0000F8          PTE6PREX DS    A                   ADDRESS OF PRE-EXCP EXIT
0000FC          PTE6POEX DS    A                   ADDRESS OF POST-EXCP EXIT
000100          PTE6ECB  DS    F                   I/O ECB
000104          PTE6RSA  DS    12F                 SAVE AREA FOR R14-R8
000134                   DS    CL16                RESERVED
        00088   PTE6XLEN EQU   (((*+7)-PTEX)/8)*8  LENGTH OF EXTENSION
                ******************************************************************
                * PTE EXTENSION FOR SYSOUT PRINTER "TERMINALS"
                ******************************************************************
                * THERE IS NO PTE EXTENSION FOR SYSOUT PRINTERS
000144                   ORG   PTEX                SET ORIGIN TO THE EXTENSION
        00000   PTE7XLEN EQU   (((*+7)-PTEX)/8)*8  LENGTH OF EXTENSION
                *******************************************************************
                * PTE EXTENSION FOR LOCAL 3280 PRINTERS
                *******************************************************************
0000C0                   ORG   PTEX                SET ORIGIN TO THE EXTENSION
0000C0          PTE8DECB DS    A                   ADDRESS OF DECB
0000C4          PTE8LUNM DS    X                   DOS LOGICAL UNIT NUMBER
                PTE8WIP  #FLAG 1                   A WRITE IS IN PROGRESS
0000C5                   DS    X                   FLAG BYTE
0000C6                   DS    2X                     UNUSED
        00008   PTE8XLEN EQU   ((*+7-PTEX)/8)*8    LENGTH OF EXTENSION
                *******************************************************************
                * PTE EXTENSION FOR ONLINE SIMULATED 3270S
                *******************************************************************
0000C8                   ORG   PTEX
0000C0          PTE9PTEA DS    A              ADDRESS OF REAL PTE
0000C4          PTE9R2R6 DS    5A                  PLACE TO SAVE R2-R6 DURING I/O WAIT
0000D8          PTE9SCAD DS    2A             ADDR OF START AND END OF SIMULATED SCREEN
0000E0          PTE9EBUF DS    A                   END OF BUFFER FOR SIMULATED SCREEN
0000E4          PTE9CURS DS    A                   CURSOR POSITION ON SIMULATED SCREEN
0000E8          PTE9CATA DS    A                   ADDRESS OF CURRENT ATTR
0000EC          PTE9CEND DS    A                   ADDR OF ATTR FIELD BEING PRINTED
0000F0          PTE9CARD DS    CL80,C              CURRENT INPUT "CARD"
000141          PTE9CONT DS    C                   "CONTINUATION" CHARACTER
000142          PTE9ESC  DS    C                   "ESCAPE" CHARACTER
                PTE9LCK  #FLAG X'01'               KEYBOARD IS LOCKED
                PTE9FRM  #FLAG X'02'               SCREEN IS FORMATTED
000143                   DS    X                   FLAG BYTE
000144          PTE9LLEN DS    H                   CURRENT SCREEN WIDTH
000148          PTE9WORK DS    D                   WORK AREA
000150          PTE9KEYW DS    CL8                 KEYWORD WORK AREA
000158 8        PTE9TRB  #TREQ MF=L                TERMINAL REQUEST BLOCK
                PTE9OFF  #FLAG X'01'               TURN SIMULATION OFF
                PTE9UNP  #FLAG X'04'               SCREEN CONTAINS UNPROTECTED FIELDS
                PTE9SHR  #FLAG X'08'               DO A "SHORT" READ
                PTE9WRP  #FLAG X'10'      SIMREAD HAS WRAPPED AROUND TO START OF SCREEN
                PTE9LOD  #FLAG X'20'               LAST OUTPUT BYTE WAS A DATA CHAR
                PTE9FFU  #FLAG X'40'               FOUND FIRST UNPROT FIELD
                PTE9CON  #FLAG X'80'               CURRENT INPUT LINE IS CONTINUED
00016C                   DS    X                   FLAG BYTE
00016D          PTE9AID  DS    X                   ATTENTION IDENTIFIER
00016E          PTE9WCC  DS    X                   WRITE CONTROL CHARACTER
00016F          PTE9CATR DS    X                   COPY OF CURRENT ATTR BYTE
000170          PTE9PATR DS    X                   ATTR OF FIELD BEING PRINTED
000171          PTE9MSGL DS    C                   HIGHEST MESSAGE LEVEL TO WRITE
000172          PTE9PLIN DS    CL133,C             PRINT LINE AREA
                *  LOCAL SUBROUTINE RETURN REGISTER SAVE AREAS
0001F8          PTE9SWR@ DS    A                   SIMWRITE
0001FC          PTE9SRD@ DS    A                   SIMREAD?
000200          PTE9RIP@ DS    A                   READINP
000204          PTE9EAU@ DS    A                   ERALLUNP
000208          PTE9CLK@ DS    A                   CHECKLOK
00020C          PTE9SPN@ DS    A                   SCRNPOSN
```

```
Offset  Value

000210          PTE9NCH@ DS    A                   NEXTCHAR
000214          PTE9GIN@ DS    A                   GETINPUT
000218          PTE9GCD@ DS    A                   GETCARD
00021C          PTE9RDN@ DS    A                   READNUM
000220          PTE9PWH@ DS    A                   PRTWHERE
000224          PTE9PSC@ DS    A                   PRINTSCR
000228          PTE9PFL@ DS    A                   PRINTFLD
00022C          PTE9HXT@ DS    A                   HEXTRACE
000230          PTE9PLN@ DS    A                   PRINTLIN
000234          PTE9IOW@ DS    A                   IOWAIT
        00178   PTE9XLEN EQU   ((*+7-PTEX)/8)*8     LENGTH OF EXTENSION
                ******************************************************************
                * PTE EXTENSION FOR TCAM
                ******************************************************************
000238                  ORG   PTEX
0000C0          PTEANAME DS    CL8             TCAM TERMINAL IDENTIFIER
                PTEARSV  #FLAG 1               RESERVE PTE FOR PTEANAME
                PTEAWIN  #FLAG 2               WAITING FOR INPUT
                PTEADMY  #FLAG 4               DUMMY PTE FOR CONNECTS
                PTEAPRT  #FLAG 8               TERMINAL IS A PRINTER
0000C8                  DS    X                   FLAG BYTE
0000C9                  DS    3X,A             RESERVED
0000D0          PTEAQINA DS    A               ADDRESS OF QUEUED INPUT
0000D4          PTEAUSER DS    A               FOR USE BY D0AT'S USER EXIT
        00018   PTEAXLEN EQU   ((*+7-PTEX)/8)*8    LENGTH OF EXTENSION
                ******************************************************************
                * PTE EXTENSION FOR BTAM BSC2 TERMINALS
                ******************************************************************
0000D8                  ORG   PTEX
0000C0          PTECLID  DS    X               LENGTH OF TERMINAL ID
0000C1          PTECID   DS    XL15            TERMINAL ID
0000D0          PTECLNUM DS    X               NUMBER OF DIGITS IN PHONE NUMBER
0000D1          PTECNUM  DS    XL11            PHONE NUMBER
0000DC          PTECSEL  DS    X               3780 COMPONENT SELECTION CHARACTER
                PTECNRD  #FLAG X'01'               READ NOT ALLOWED
                PTECNWT  #FLAG X'02'               WRITE NOT ALLOWED
                PTECSCE  #FLAG X'04'               SPACE COMPRESSION/EXPANSION
                PTECEXC  #FLAG X'08'               EXCLUSIVE CONTROL FOR ALL I/O
                PTECINQ  #FLAG X'10'               3780 INQUIRY MODE
                PTECPAD  #FLAG X'20'               PAD LOGICAL RECORDS WITH SPACES
                PTECBLR  #FLAG X'40'               BLOCKED LOGICAL RECORDS
0000DD          PTECOPT1 DS    X                   1ST OPTION BYTE
0000DE                  DS    CL2                 DICTIONARY RECORD SLACK
                PTECETX  #FLAG X'01'               ETX RECEIVED
                PTECEOT  #FLAG X'02'               EOT RECEIVED
                PTECETB  #FLAG X'04'               TERMINATE WRITE WITH ETB
                PTECEOF  #FLAG X'08'               WRITE 3741 END OF FILE
                PTECCNV  #FLAG X'10'               CONVERSATIONAL WRITE
                PTECRVI  #FLAG X'20'               ISSUE READ INTERRUPT
                PTECRM   #FLAG X'40'               3270 READ MODIFIED
                PTECRB   #FLAG X'80'               3270 READ BUFFER
0000E0          PTECFLG1 DS    X                   1ST FLAG BYTE
                PTECNLE  #FLAG X'01'               NO ANSWERING LIST ENTRY FOR PTE
                PTECSTP  #FLAG X'80'               THIS TERMINAL IS STOPPING THE READ
                *                                      INITIAL TO DO A WRITE.
0000E1          PTECFLG2 DS    X                   2ND FLAG BYTE
0000E2          PTECFLG3 DS    X                   3RD FLAG BYTE
0000E3          PTECFLG4 DS    X                   4TH FLAG BYTE
                *       THE DISPLACEMENT OF PTEXNPTE WITHIN THE PTE EXTENSION
                *       MUST NOT BE CHANGED.
0000E4          PTEXNPTE DS    A                   ADDRESS OF NEXT PTE FOR MLE
0000E8                  ORG   PTEXNPTE
0000E4          PTECNPTE DS    A                   ADDRESS OF NEXT PTE FOR MLE
0000E8          PTECMLEA DS    A                   ADDRESS OF MLE
0000EC          PTECRBUF DS    A                   ADDRESS OF 1ST READ BUFFER
0000F0          PTECWBUF DS    A                   ADDRESS OF WRITE BUFFER
```

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Offset  Value

0000F4          PTECWADD DS    A                   ADDRESS OF OUTPUT DATA
0000F8          PTECWLEN DS    H                   LENGTH OF OUTPUT DATA
0000FA          PTECFLEN DS    H                   OUTPUT LENGTH FOR ERROR RECOVERY
0000FC          PTECRECL DS    H                   OUTPUT LOGICAL RECORD LENGTH
0000FE          PTECLSTI DS    X                   INDEX OF ANSWERING LIST ENTRY
0000FF          PTECSS   DS    XL2                 LAST SENSE/STATUS RECEIVED
        00048   PTECXLEN EQU   ((*+7-PTEX)/8)*8    LENGTH OF EXTENSION
                ********************************************************************
                * PTE EXTENSION FOR BTAM BSC3 TERMINALS
                ********************************************************************
000101                  ORG   PTEX                SET ORIGIN FOR EXTENSION
0000C0          PTEDPOL  DS    CL7                 TERMINAL POLL CHARACTERS
0000C7          PTEDLPOL DS    X                   LENGTH OF POLL CHARACTERS
0000C8          PTEDSEL  DS    CL8                 TERMINAL SELECTION CHARACTERS
0000D0          PTEDLSEL DS    X                   LENGTH OF SELECTION CHARACTERS
0000D1          PTEDRLN  DS    X                   RELATIVE LINE NUMBER
                PTEDNRD  #FLAG X'01'               READ NOT ALLOWED
                PTEDNWT  #FLAG X'02'               WRITE NOT ALLOWED
                PTEDSCE  #FLAG X'04'               SPACE COMPRESSION/EXPANSION
                PTEDEXC  #FLAG X'08'               EXCLUSIVE CONTROL FOR ALL I/O
                PTEDINQ  #FLAG X'10'               3780 INQUIRY MODE
                PTEDPAD  #FLAG X'20'               PAD LOGICAL RECORDS WITH SPACES
                PTEDBLR  #FLAG X'40'               BLOCKED LOGICAL RECORDS
0000D2          PTEDOPT1 DS    X                   1ST OPTION BYTE
0000D3                  DS    CL13                DICTIONARY RECORD SLACK
                PTEDETX  #FLAG X'01'               ETX RECEIVED
                PTEDEOT  #FLAG X'02'               EOT RECEIVED
                PTEDETB  #FLAG X'04'               TERMINATE WRITE WITH ETB
                PTEDEOF  #FLAG X'08'               WRITE 3741 END OF FILE
                PTEDCNV  #FLAG X'10'               CONVERSATIONAL WRITE
                PTEDRVI  #FLAG X'20'               ISSUE READ INTERRUPT
                PTEDRM   #FLAG X'40'               3270 READ MODIFIED
                PTEDRB   #FLAG X'80'               3270 READ BUFFER
0000E0          PTEDFLG1 DS    X                   1ST FLAG BYTE
                PTEDSTP  #FLAG X'80'               THIS TERMINAL IS STOPPING THE READ
                *                                      INITIAL TO DO A WRITE.
0000E1          PTEDFLG2 DS    X                   2ND FLAG BYTE
0000E2          PTEDFLG3 DS    X                   3RD FLAG BYTE
0000E3          PTEDFLG4 DS    X                   4TH FLAG BYTE
                *        THE DISPLACEMENT OF PTEDNPTE WITHIN THE PTE EXTENSION
                *        MUST NOT BE CHANGED.
0000E4          PTEDNPTE DS    A                   ADDRESS OF NEXT PTE FOR MLE
0000E8          PTEDMLEA DS    A                   ADDRESS OF MLE
0000EC          PTEDRBUF DS    A                   ADDRESS OF 1ST READ BUFFER
0000F0          PTEDWBUF DS    A                   ADDRESS OF WRITE BUFFER
0000F4          PTEDWADD DS    A                   ADDRESS OF OUTPUT DATA
0000F8          PTEDWLEN DS    H                   LENGTH OF OUTPUT DATA
0000FA          PTEDFLEN DS    H                   OUTPUT LENGTH FOR ERROR RECOVERY
0000FC          PTEDRECL DS    H                   OUTPUT LOGICAL RECORD LENGTH
0000FE          PTEDPOLI DS    X                   INDEX OF POLL ENTRY IN LIST
0000FF          PTEDSS   DS    XL2                 LAST SENSE/STATUS RECEIVED
        00048   PTEDXLEN EQU   (((*+7)-PTEX)/8)*8  LENGTH OF EXTENSION
                *-------------------------------------------------------------------*
                *  DDS          FORMAT OF THE PTEX (PTE EXTENSION)
                *-------------------------------------------------------------------*
000101                  ORG   PTEX
                ********************************************************************
                *  Unique portion of PTE extension for DDS VTAM RHDCDnLX
                *  Matches Release 10.2 extension, inited from EXT104
                *  The first 32 bytes can only contain information that is unique to
                *  the DDS VTAM driver RHDCDnLX
                ********************************************************************
0000C0          PTELDDNM DS    CL8                Vtam Applid-Id
0000C8          PTELWGHT DS    F                  Weight factor
0000CC          PTELTOUT DS    H                   TIMEOUT INTERVAL
0000CE          PTELLOOK DS    H                   LOOKAROUND INTERVAL
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Offset  Value

0000D0          PTELBLK  DS    H                   BLOCKSIZE
0000D2          PTELSVC  DS    X                   SVC NUMBER
0000D3          PTELCVNM DS    X                   CV NUMBER
0000D4                   ORG   PTELTOUT
0000CC          PTELBLKF DS    0F
                *  Following 2 bytes represent run-time flags unique to RHDCDnLX
                *        that do not appear in the sysgen dictionary
                PTELSOP  #FLAG X'80'               OPEN INITIALIZATION DONE
                PTELSWR  #FLAG X'40'               SINON WRITE TRANSMITTED
                PTELSRE  #FLAG X'20'               SINON READ RECEIVED
                PTELTSE  #FLAG X'10'               TERMSESS IN PROGRESS (VTAM)
                PTELLOS  #FLAG X'08'               LOST TERM FLAG (VTAM)
                PTELVOT  #FLAG X'04'               Set PTEVOUT
                PTELSNU  #FLAG X'02'               Reset PTELSND
                PTELSDT  #FLAG X'01'               Start Data Traffic received.
0000CC          PTELFLG3 DS    X
0000CD          PTELFLG4 DS    X
0000CE                   ORG   PTELSVC
0000D2                   DS    X
                PTELREA  #FLAG X'40'               READ ACTIVE
                PTELCHS  #FLAG X'20'               CHAINING CURRENT SEND (VTAM)
                PTELWT   #FLAG X'10'               WEIGHT FACTOR HAS BEEN CHANGED
0000D3          PTELFLG6 DS    X
0000D4          PTELXSA  DS    A                  Pointer to VTAM control blocks
0000D8          PTELPFA  DS    A                  Waiting for send message queue
0000DC          PTELPBA  DS    A                  Message write queue
0000E0                   ORG   PTEX
                ********************************************************************
                *  Unique portion of PTE extension for CCI RHDCDnLV
                *  The first 32 bytes can only contain information that is unique to
                *  the CCI driver RHDCDnLV
                ********************************************************************
0000C0                   DS    8F     Reserved
                ********************************************************************
                *  Common part of PTE extension, used by both RHDCDnLV and RHDCDnLX
                ********************************************************************
0000E0          PTELXECB DS    F      CCI SEND ECB POSTED WHEN CCI SEND IS DONE
                *                     IN RESPONSE TO A #TREQ PUT
0000E4          PTELPTEA DS    A      ADDRESS OF THE PTE....DO NOT MOVE. THIS MUST
                *                     MUST FOLLOW PTELXECB
                ***********************************************************************
0000E8          PTELFEED DS    A      ADDRESS OF THE CCI FEEDBACK AREA
0000EC          PTELPLST DS    A      ADDRESS OF THE CCI PARMLIST AREA
0000F0          PTELLIMT DS    A      ADDRESS OF THE LIMITS AREA
0000F4          PTELP58B DS    A      ADDRESS OF THE "BIG" RECEIVE BUFFER RHDCP58P GOT
0000F8          PTELSENL DS    F      THE LENGTH TO BE USED FOR THE CCI SEND
0000FC          PTELRECA DS    A      THE A(PENDING RECEIVE DATA TO BE PROCESSED)
000100          PTELHEAD DS    A      THE A(OF A CCI DC HEADER USED FOR ERROR HANDLING)
000104          PTELSCID DS    F      The Stacked Receive Converse Id
000108          PTELICID DS    F      The Converse Id for a Sender......Provided by CCI
00010C          PTELACCT DS    A      Pointer to the Accounting Info Area
000110          PTELSAV1 DS    F      Fullword save area #1
000114          PTELSAV2 DS    F      Fullword save area #2
000118          PTELRDBF DS    F      Dedicated read buffer for performance
00011C                   DS    2F     Reserved
000124          PTELRID  DS    CL30   THE RECEIVER ID WHICH WILL BE USED WITH CCI SEND
000142          PTELSNDB DS    H      LENGTH  OF THE SEND BUFFER ALLOCATED BY NI3S
                PTELDED  #FLAG X'80'  UCF Dedicated Session
                PTELINT  #FLAG X'40'  UCF Intermittent Session
                PTELUPL  #FLAG X'04'  UCF Upper-Lowers Case mode
                PTELUPP  #FLAG X'02'  UCF Upper-Case mode
000144          PTELMODE DS    X      Session mode necessary to support UCF
                PTELSON  #FLAG X'80'  SIGNON REQUEST PENDING
                PTELACT  #FLAG X'40'  PTE IS ACTIVE (IN USE)
                PTELALO  #FLAG X'20'  THE SERVICE THIS PTE NEEDS IS AN ALLOCATE
                PTELREC  #FLAG X'10'  THIS PTE HAS AN OUTSTANDING RECEIVE
```

```
Offset  Value

                PTELDIS  #FLAG X'08'  THIS PTE IS IN THE PROCESS OF BEING DISCONNECTED
                PTELSPO  #FLAG X'04'  THE SEND ECB HAS BEEN POSTED, POSTREQ HAS BEGUN
                PTELNOP  #FLAG X'02'  DO NOT POSTREQ THIS PTERM....ITS ALREADY DONE
                PTELSND  #FLAG X'01'  THIS PTE HAS AN OUTSTANDING SEND
000145          PTELFLG1 DS    X
                PTEL327  #FLAG X'80'  This PTE (Bulk) can handle a 3270 datastream
                PTELFE3  #FLAG X'40'  This PTE is involved in a FE 3270 session
                PTELDEL  #FLAG X'20'  This PTE can have its IBH's deleted
                PTELBYE  #FLAG X'10'  This is set by RHDCBYE on a BE 3270/Bulk only
                PTELSUS  #FLAG X'08'  This is set by RHDCSUSP on a BE 3270/Bulk only
                PTELPDA  #FLAG X'04'  This is set when UCF/DDS/PDAT is involved
                PTELXFT  #FLAG X'02'  This is set by RHDCUXFT when PDAT is transferred
                PTELRSC  #FLAG X'01'  This is set by RHDCMTLT when DEL RESOURCE RQSTED
000146          PTELFLG2 DS    X
                PTELNFW  #FLAG X'80'  Do not free the write buffer.
                PTELFES  #FLAG X'01'  Front End PTE Identifier for DDS.
000147          PTELFLG5 DS    X      Reserved
                *-------------------------------------------------------------------*
                * FORMAT OF THE CCI DC HEADER (FROM STX...BUFFER HEADER PUT IN PTEL)
                * THIS HEADER MUST REMAIN AS THE LAST PORTION OF THE PTELX.
                *-------------------------------------------------------------------*
                         #CCIDCDS SECT=NO
                       PRINT GEN
                ************************************************************************
                ***                                                                  ***
                ***      FORMAT OF THE CCI DC HEADER                                 ***
                ***                                                                  ***
                ************************************************************************
000148          CCIDC    DS    0F
        00000   CCIDCDC  EQU   X'00'         This is DC to DC communications
        00001   CCIDCNO  EQU   X'01'         This is QbyX/ODBC PC communications
        00002   CCIDDDS  EQU   X'02'         THIS IS A DC/DDS/3270 TYPE REQUEST
000148          CCIDCID  DS    X
000149 4        CCIDLEN  DC    AL1(CCIDCLEN) IS THE LENGTH OF THIS HEADER
00014A          CCIDISCI DS    0XL1
        00080   CCIDISCM EQU   X'80'
00014A          CCIDFBEI DS    0XL1
        00040   CCIDFBEM EQU   X'40'
00014A          CCIDABNI DS    0XL1
        00020   CCIDABNM EQU   X'20'
00014A          CCIDALOI DS    0XL1
        00010   CCIDALOM EQU   X'10'
00014A          CCIDSUSI DS    0XL1
        00008   CCIDSUSM EQU   X'08'
00014A          CCIDBYEI DS    0XL1
        00004   CCIDBYEM EQU   X'04'
00014A          CCIDPDAI DS    0XL1
        00002   CCIDPDAM EQU   X'02'
                *                    at signon/allocate. If set during a send the
                *                    buffer contains PDAT data.
00014A          CCIDFL1  DS    X
        00001   CCIDECBE EQU   X'01'  THE CCI SEND ECB WAS POSTED WITH AN ERROR
        00002   CCIDPLEE EQU   X'02'  THE PLE WAS OUT OF SERVICE OR CLOSED
        00003   CCIDPTED EQU   X'03'  THE PTERM HAS BEEN DICONNECTED
        00004   CCIDPTER EQU   X'04'  THE PTERM HAS A STACKED RECEIVE OUTSTANDING
        00005   CCIDP58E EQU   X'05'  WE RECEIVED A BAD RETURN CODE FROM P58B
        00006   CCIDSESE EQU   X'06'  THE SESSION ID'S DO NOT MATCH
        00007   CCIDSECE EQU   X'07'  SECURITY CHECK FAILED
        00008   CCIDSUSR EQU   X'08'  USER ID NOT SUPPLIED. USER MUST SIGNON
        00009   CCIDNPTE EQU   X'09'  THE GET PTE FAILED. NO PTE IS AVAILABLE
        00010   CCIDSEUU EQU   X'10'  User not defined to security
        00011   CCIDSEIP EQU   X'11'  Invalid password
        00012   CCIDNSRV EQU   X'12'  Not a server
00014B          CCIDABND DS    X      ABEND CODE PASSED AROUND THE NETWORK
        00000   CCIDV#00 EQU   X'00'  Original (prior to IDMS Server 4.3)
        00001   CCIDV#01 EQU   X'01'  Current  (IDMS Server 4.3 and later)
```

```
Offset  Value

00014C          CCIDVER  DS    X      Version number
00014D          CCIDOPT  DS    X      Version options flag (use varies)
00014E                   DS    H      RESERVED
000150          CCIDSESS DS    F      UNIQUE SESSION ID ASSIGNED ON BACKEND
000154          CCIDFEPT DS    F      FRONT END PTERM ID
000158          CCIDBEPT DS    F      BACK  END PTERM ID
                ************************************************************************
                * The following portion of the header is data required at allocate time
                * only. For now it is sent on every transmission. In a future release
                * only the info in the fixed portion above will be sent on every
                * transmission.
                ************************************************************************
00015C          CCIDUSER DS    CL32   IDMS-DC USERID
00017C          CCIDPASS DS    CL8    PASSWORD PASSED BY NON-DC SYSTEMS
000184                   ORG   CCIDPASS
00017C          CCIDRTNC DS    F      A place to put RC's from various routines
000180                   DS    F
000184          CCIDTASK DS    CL8    TASKCODE TO EXECUTE ON THE BACKEND
00018C          CCIDLOC  DS    CL8    LOCATION CODE (LRELOCID) WHERE WE ORIGINATE
000194          CCIDACCT DS    0H     Accounting information area.
                *CIDACCT DS    CL32   Accounting information area.
        0004C   CCIDCLEN EQU   *-CCIDC
                ************************************************************************
                ***      Equates which are used in various CCI modules              ***
                ************************************************************************
        07D00   CCIDRBUF EQU   32000  Length of the Buffer allocated for The CCI Rcv
        00100   CCIDERRH EQU   256    Length of the Error Handling area after PTELHEAD
        07CFF   CCIDSNDL EQU   31999  Length of the Send Buffer allocated by NI3S
        00100   CCIDFDBK EQU   256    Length of the CCI Feedback Area
        00020   CCIDACCL EQU   32     Length of the Accounting info
        0004C   CCIDTYP1 EQU   CCIDACCT-CCIDC
        0004C   CCIDTYP2 EQU   CCIDCLEN
                         PRINT NOGEN
        000D8   PTELXLEN EQU   ((*+7-PTEX)/8)*8  LENGTH OF THE PTE EXTENSION
                         AGO   .NOSDS
                .NOSDS   ANOP
                ********************************************************************
                *** PTE EXTENSION FOR UCF TERMINALS
                ********************************************************************
000194                   ORG   PTEX
0000C0          PTEZNAME DS    CL8                 NAME OF FRONT END TERM (FTID)
0000C8          PTEZFSID DS    CL8                 NAME ON FRONT END SYS (FSID)
                PTEZDED  #FLAG X'80'               DEDICATED MODE FLAG
                PTEZINT  #FLAG X'40'               INTERMITTENT MODE FLAG
                *        #FLAG X'20'               CONVERSATIONAL MODE
                PTEZPR1  #FLAG X'10'               TYPE 1 PRINTER
                PTEZPR2  #FLAG X'08'               TYPE 2 PRINTER
                PTEZPRI  #FLAG PTEZPR1M+PTEZPR2M   PRINTER OF ANY SORT
0000D0          PTEZMODE DS    X                   MODE FLAG BYTE
                PTEZINQ  #FLAG X'80'               Front end data is queued.
                PTEZBWF  #FLAG X'40'               BREAK WRITE FEATURE (OBSOLETE)
0000D1                   DS    X                   More STATUS/Feature byte
                PTEZSUS  #FLAG X'80'               PTE IS SUSPENDED
                PTEZACT  #FLAG X'40'               PTE IS ACTIVE
                PTEZRSV  #FLAG X'20'               PTE IS RESERVED FOR PTEZNAME
                PTEZWER  #FLAG X'10'               PTE WAITING FOR ERE (PRINTER)
                PTEZIMM  #FLAG X'08'               ABORT ERE IMMEDIATELY ON VARY OUT
                PTEZFIN  #FLAG X'02'               PTE is waiting for PHS 2 finish.
                PTEZCNV  #FLAG X'01'               CONVERSING (TERMINAL READ IN PROG)
0000D2                   DS    X                   STATUS OF PTE
                PTEZBYE  #FLAG X'80'               TERMINAL USER ASKED TO DISCONNECT
                PTEZHLD  #FLAG X'40'               SUSPEND ON NEXT FINISH
                PTEZXFT  #FLAG X'20'               TRANSFER TO FRONT-END TASK
                PTEZTST  #FLAG X'08'               GETLTE TEST  (FOR PRINTERS ONLY)
                PTEZGLW  #FLAG X'04'               GETLTE WAIT REQUEST FOR FE PRINTER
                PTEZGLN  #FLAG X'02'               GETLTE NOWAIT REQUEST FOR FE PRINTER
```

```
Offset  Value

               PTEZGLT  #FLAG PTEZGLWM+PTEZGLNM   SOME TYPE OF GETLTE REQUEST       ER
               PTEZFLT  #FLAG X'01'               FREELTE FE PRINTER
0000D3                  DS    X
0000D4         PTEZDCOD DS    CL4                 DISCONNECT/ABORT CODE
0000D8         PTEZEREP DS    A                   PRINTER CONTROL TASK'S ERE ADDR
0000DC         PTEZEREO DS    A                   ADDRESS OF ERE FOR THIS PTE
0000E0         PTEZEREN DS    A                   ADDRS OF NEXT PTE USING THIS ERE
0000E4         PTEZSESN DS    F                   CURRENT SESSION NUMBER
0000E8         PTEZDCNT DS    X                   DISCONNECT COUNT
0000E9                  DS    3X                  RESERVED            **RBK 820408**
0000EC         PTEZWERE DS    A                   ADDRESS OF ERE WAITING TO SINON
0000F0         PTEBRBUF DS    A                  Address of 'big' RECEIVE buffer.
0000F4         PTEBSBUF DS    A                  Address of 'big' SEND buffer.
0000F8         PTEZQPAK DS    F                   Address of 'queued' PAKET.
0000FC         PTEZQPLN DS    H                   Length of 'queued' PAKET.
0000FE                  DS    H                   reserved
        00040  PTEZXLEN EQU   ((*+7-PTEX)/8)*8
               ********************************************************************
               * EXTENSION TO PTE FOR VTAM SNA DEVICES.                           *
               ********************************************************************
000100                  ORG    PTEX
0000C0         PTEENAME DS    CL8                 TERMINAL NAME
0000C8         PTEEDFMH DS    XL8                 DEFAULT FMH FROM SYSGEN OPT
0000D0         PTEEMODE DS    CL8                 VTAM MODEENT NAME
0000D8         PTEELCAT DS    XL1                 LU CATEGORY
        00004  PTEELU   EQU   4                       NORMAL LU
        00008  PTEEPIPE EQU   8                       PIPELINE
               PTEEACQ  #FLAG X'80'           ACQUIRE THIS TERMINAL
               PTEEFMI  #FLAG X'40'           PASS INB FMH TO USER TASK
               PTEEFMO  #FLAG X'20'           DEFAULT OUTB FMH SUPPLIED
               PTEEHLD  #FLAG X'10'           DO NOT LET GO OF THIS DEVICE
               PTEEREL  #FLAG X'08' RELEASE(CLSDST) SESSION AFTER EVERY CONVERSATION
               PTEESCO  #FLAG X'04'           OVERRIDE SYNCLEVEL WITH THESE SYSGEN'D
               PTEESCS  #FLAG X'02'           MAX SYNCLEVEL = SYNCPOINT
               PTEESCC  #FLAG X'01'           MAX SYNCLEVEL = CONFIRM
0000D9         PTEEFLG1 DS    X          *** THIS FLAG FOR SYSGEN OPTIONS ONLY ***
               *PTEENCF  #FLAG X'80'          NO CONCAT FMH'S ON INPUT
               PTEEWIN  #FLAG X'40'           BIND SESSION AS A CONTENTION WINNER
               PTEELOS  #FLAG X'20'           BIND SESSION AS A CONTENTION LOSER
               PTEETRM  #FLAG X'10'           TREAT LU AS A TERMINAL
0000DA         PTEEFLG2 DS    X          *** THIS FLAG FOR SYSGEN OPTIONS ONLY ***
               PTEEVER  #FLAG X'01'               LU/LU62 ALREADY VERIFIED     14.0
0000DB         PTEEFLG0 DS    X          *** THIS FLAG FOR SYSGEN OPTIONS ONLY ***
0000DC         PTEELIMT DS    H               LIMIT ON INPUT (BYTES)
0000DE                  DS    H               RESERVED FOR FUTURE SYSGEN OPTIONS
               ********                                                 ********
               ******** BIND PARAMETER FIELDS - SET AT LOGON FROM BIND INFO ********
               ********                                                 ********
0000E0         PTEEBAB  DS    0X                  BIND AREA BEGIN
0000E0         PTEELUTP DS    XL1                 LU TYPE
               ******** SESSIONC COMMANDS ALLOWED - FROM TS PROFILE *******
               PTEECLA  #FLAG X'80'               CLEAR
               PTEERQA  #FLAG X'40'               RQR
               PTEESDA  #FLAG X'20'               SDT
               PTEESTA  #FLAG X'10'               STSN
               PTEECRA  #FLAG X'08'               CRV
0000E1         PTEESSCA DS    XL1                 SESSIONC COMMAND ALLOWED
               ******** DATA FLOW CONTROL COMMANDS ALLOWED - FROM FM PROFILE *******
               PTEEBDA  #FLAG X'80'               BID
               PTEEBSA  #FLAG X'40'               BIS
               PTEECAA  #FLAG X'20'               CANCEL
               PTEECSA  #FLAG X'10'               CHASE
               PTEELUA  #FLAG X'08'               LUSTAT
               PTEEQCA  #FLAG X'04'               QC
               PTEERTA  #FLAG X'02'               RTR
0000E2         PTEENFC  DS    XL1                 NORMAL FLOW COMMANDS ALLOWED
```

```
Offset  Value

               PTEEQEA  #FLAG X'80'               QEC
               PTEERLA  #FLAG X'40'               RELQ
               PTEERHA  #FLAG X'20'               RSHUTD
               PTEESCA  #FLAG X'10'               SHUTC
               PTEESHA  #FLAG X'08'               SHUTD
               PTEESGA  #FLAG X'04'               SIGNAL
               PTEESBA  #FLAG X'02'               STOP BRACKET INITIATION
0000E3         PTEEEFC  DS    XL1                 EXPEDITED FLOW COMMANDS ALLOWED
0000E4         PTEECHR  DS    XL1                 PRIMARY CHAIN RESPONSE INDICATORS
        00000  PTEENRC  EQU   X'00'               NO RESPONSE
        00010  PTEEERC  EQU   X'10'               EXCEPTION RESPONSE ONLY
        00020  PTEEDRC  EQU   X'20'               DEFINITE RESPONSE ONLY
        00030  PTEEDEC  EQU   X'30'               DEF/EXCP RESPONSE
               ******** USAGE INDICATORS - FROM FM USAGE FIELDS *******
               PTEECHA  #FLAG X'80'               OUTBOUND CHAINING IS ALLOWED
               PTEECIA  #FLAG X'40'               INBOUND CHAINING IS ALLOWED
               PTEEFMU  #FLAG X'20'               FMH'S ARE ALLOWED
               PTEECDU  #FLAG X'10'               HDX-FF CHG-DIR MUST BE USED
               PTEECDF  #FLAG X'08'               CHG-DIR INITIAL STATE
               *                                  ON - I AM INITIALLY IN SEND STATE
               *                                  OFF - I AM INITIALLY IN RECV STATE
0000E5         PTEEFLU1 DS    XL1                 FIRST FIELD, USAGE FLAGS
               PTEEBUS  #FLAG X'80'               BRACKETING WILL BE USED
               PTEEBTR  #FLAG X'40'               BRACKET TERMINATION RULE
               *                                  ON - BRACKET TERM RULE 1 (COND)
               *                                  OFF - BRACKET TERM RULE 2 (UNCOND)
               PTEEBFS  #FLAG X'20'               RESERVED
               PTEEBBE  #FLAG X'10'               I SEND END-BRACKET
0000E6         PTEEFLU2 DS    XL1                 SECOND FLD, USAGE FLAGS
        00007  PTEEBAL  EQU   *-PTEEBAB           BIND AREA LENGTH
               ********                                        *************
               ******** END OF BIND PARAMETERS INDICATORS FIELDS *************
               ********                                        *************
0000E7         PTEEAOI  DS    XL1                 ASYNC-OCCURRENCE-INDICATOR
        00004  PTEEAINT EQU   4                   ASYNC INTERUPT REQUESTED
        00008  PTEEBREJ EQU   8                   BRACKET REJECT RECEIVED
        0000C  PTEEAEXF EQU   12                  EXPD-FLOW/SESSIONC CMD RECV'D
0000E8         PTEEEXFC DS    XL1                 EXPD-FLOW/SESSIONC CMD
               *                                     SET BY EXPDFLOW (EXIT)
        00004  PTEEQEC  EQU   4                      QEC
        00008  PTEERELQ EQU   8                      RELQ
        0000C  PTEERSHT EQU   12                     RSHUTD
        00010  PTEERSHC EQU   16                     SHUTC
        00014  PTEESIGN EQU   20                     SIGNAL
        00018  PTEERQR  EQU   24                     RQR (SESSIONC)
        0001C  PTEESHTD EQU   28                     SHUTD RQST (GEN BY THIS PGM)
        00020  PTEERSBI EQU   32                     SBI
0000E9         PTEENFCD DS    XL1                 NORM-FLOW-COMMAND
               *                                     SET BY NFCMDTR (AFTER RECEIVE)
        00004  PTEEDATA EQU   4                      DATA - NOT COMMAND
        00008  PTEEBID  EQU   8                      BID CMD
        0000C  PTEECNCL EQU   12                     CANCEL CMD
        00010  PTEECHAS EQU   16                     CHASE CMD
        00014  PTEELUS  EQU   20                     LU STAT CMD
        00018  PTEEQCC  EQU   24                     QC CMD
        0001C  PTEERTR  EQU   28                     RTR CMD
        00020  PTEERBIS EQU   32                     BIS CMD RECEIVED
               PTEERPW  #FLAG X'80'               PTE IS AWAITING RPL
               PTEERPF  #FLAG X'40'               AN RPL HAS BEEN FOUND
               PTEEASV  #FLAG X'20'               ASYNC-SERV-RQST'D
               PTEERLQ  #FLAG X'10'               OTHER APP WANTS TERM (VTAM RELREQ)
               PTEEVMA  #FLAG X'08'               VMMT ABORT OCCURRENCE
               PTEELUT  #FLAG X'04'               LU TYPE
               *                                  ON - I AM PRIMARY LU
               *                                  OFF - I AM SECONDARY LU
               PTEERSP  #FLAG X'02'               POSITIVE RESP RECV'D
```

```
Offset  Value

                PTEERSN  #FLAG X'01'               NEGATIVE RESP RECV'D
                PTEERSA  #FLAG PTEERSPM+PTEERSNM   ANY RESPONSE RECV'D
0000EA          PTEEFLG3 DS    X
                PTEEUCH  #FLAG X'80'               UNCONDITIONAL HOLD
                PTEELGN  #FLAG X'40'               LOGON OPEN NEEDED
                PTEESDR  #FLAG X'20'               SDT RECV'ED - SESSION ESTABLISHED
                PTEEVIN  #FLAG X'10'               SIMLOGON IN PROGRESS
                PTEECLD  #FLAG X'08'               CLSDST IN PROG (BY LOSTTERM EXIT)
                PTEEAIP  #FLAG X'04'               ALLOCATE IN PROGRESS
                PTEEVIP  #FLAG X'02'               VTAM-RQST-IN-PROGRESS
                PTEECNS  #FLAG X'01'               VARY IN FROM RHDCCNOS
0000EB          PTEEFLG4 DS    X
                PTEESSV  #FLAG X'80'               PTE SELECTED-FOR-SERVICE
                PTEEBST  #FLAG X'40'               IN BRACKET STATE
                PTEEBB   #FLAG X'20'               BIDDING FOR BRACKET IN PROGRESS
                PTEESEB  #FLAG X'10'               END BRACKET (EB) IS BEING SENT
                PTEEREB  #FLAG X'08'               EB RECV'D (NOT PROCESSED YET)
                PTEERBB  #FLAG X'04'               BB RECV'D (NOT PROCESSED YET) //
                PTEEXBB  #FLAG X'02'               EXPECTING BEGIN BRACKET NEXT //
                PTEELGP  #FLAG X'01'           *   SOME KIND OF LOGON IN PROGRESS
0000EC          PTEEFLG5 DS    X               *  MUST BE ON WORD BOUNDRY, USED IN CS
                PTEECHI  #FLAG X'80'               INTERNAL CHAINING (OUTBOUND)
                PTEECHU  #FLAG X'40'               USER CONTROLLED CHAINING(OUTBOUND)
                PTEECHO  #FLAG PTEECHIM+PTEECHUM   ANY OUTBOUND CHAINING
                PTEECHN  #FLAG X'20'               INBOUND CHAINING
                PTEEQUI  #FLAG X'10'               PTE IS QUIESCED (BY LU)
                PTEEQCR  #FLAG X'08'               LU HAS RQST'D QEC
                * THE CHG-DIR STATES (BELOW) ARE OF THE DRIVER, NOT THE LU
                PTEECDS  #FLAG X'04'               HDX-FF CHG-DIR - IN SEND STATE
                PTEECDR  #FLAG X'02'               HDX-FF CHG-DIR - IN RECV STATE
                PTEECDA  #FLAG PTEECDRM+PTEECDSM   HDX-FF CHG-DIR - SEND OR RECEIVE
                PTEEWUR  #FLAG X'01'               WAITING FOR USER'S RESPONSE (DR2)
0000ED          PTEEFLG6 DS    X
                ****  COPY OF USER'S UIOCB WHAT RECEIVED AND ERROR FIELDS ****
                ****  CLEARED AT THE BEGINING OF EVERY I/O REQUEST *****
                ****  WHAT RECEIVED ***************
                PTEEDAT   #FLAG X'80'               DATA
                PTEEERR   #FLAG X'40'               ERROR  (SEND_ERROR RECEIVED)
                PTEELST   #FLAG X'20'               DEALLOCATE   (SEND LAST RECEIVED)
                PTEECD    #FLAG X'10'               CHANGE DIRECTION  (TIME TO SEND)
                PTEECFM   #FLAG X'08'               CONFIRM  (CONFIRMATION REQUESTED)
                PTEESIG   #FLAG X'04'               SIGNAL  (REQUEST_TO_SEND RECEIVED)
                PTEESPT   #FLAG X'02'               SYNCPOINT (TAKE_SYNCPOINT)
                PTEEROL   #FLAG X'01'               SYNCPOINT ROLLBACK REQUIRED
0000EE          PTEECUWR  DS    X                   COPY OF UIOWREC
                ************************************
                PTEEFMH   #FLAG X'80'               DATA CONTAINS FMH
                PTEEDTC   #FLAG X'40'               DATA_COMPLETE (OFF = INCOMPLETE)
0000EF          PTEECUDF  DS    X                   COPY OF UIODATF
                ******** VTAM ERROR INFORMATION FIELDS  ********
                ******** THE ORDER OF THESE FIELDS IS IN PLACES CRITICAL, *****
                ******** BECAUSE OF CLC'S DONE ON ADJACENT FIELDS.     ********
0000F0          PTEEPERR DS    0X
0000F0          PTEECOMP DS    XL1                 DC-ERR-CD CORR TO VTAM FDBK2
0000F1          PTEECOM2 DS    XL1                 SECONDARY DC ERR-CODE
        00001   PTEELGNR EQU   X'01'    ERR - LOGON ROUTINE
        00002   PTEEPROF EQU   X'02'    ERR - PRIOR OPEN FAILURE
        00003   PTEERTEX EQU   X'03'    ERR - RETRIES EXHAUSTED (MAX ERRS EXCEEDED)
        00004   PTEENEGR EQU   X'04'    ERR - NEGATIVE RESP TO SEND DATA
        00005   PTEESRPF EQU   X'05'    ERR - SEND RESPONSE FAILED
        00006   PTEENUIO EQU   X'06'    ERR - NO UIOCB ADDRESS WAS AVAILABLE
        00007   PTEEUNKI EQU   X'07'    ERR - UNKNOWN INPUT RECEIVED
        00008   PTEEBBFL EQU   X'08'    ERR - BRACKET BID FAILURE
        00009   PTEEWQUR EQU   X'09'    ERR - WAITING ON QUIESCE RELEASE
        0000A   PTEESTSN EQU   X'0A'    ERR - MSG RESYNC FAILURE (ON SEND CHAIN)
        0000B   PTEESTSR EQU   X'0B'    ERR - MSG RESYNC FAILURE REPETIVELY
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```
Offset  Value

        0000C  PTEEPLEC EQU   X'0C'    ERR - PIPELINE EXCEEDED MAX EXCP RESPONSES
        0000D  PTEEPLRD EQU   X'0D'    ERR - PIPELINE READ RQST IS NOT SUPPORTED
        0000E  PTEEUCD  EQU   X'0E'    ERR - UNIDENTIFIED NORMAL FLOW CMD RECEIVED
        0000F  PTEERCAF EQU   X'0F'    ERR - RESET TO CONT-ANY FAILED
        00010  PTEELUSR EQU   X'10'    ERR - UNKNOWN LUSTAT RECEIVED
        00011  PTEECNNA EQU   X'11'    ERR - CHAINED-INPUT NOT ALLOWED THIS PTE TYPE
        00012  PTEEUNXC EQU   X'12'    ERR - UNEXPECTED COMMAND RECEIVED
        00013  PTEECNCR EQU   X'13'    ERR - CANCEL COMMAND RECEIVED
        00014  PTEECHRC EQU   X'14'    ERR - CHASE COMMAND RECEIVED
        00015  PTEERCVF EQU   X'15'    ERR - RECEIVE FAILED
        00016  PTEEFMHG EQU   X'16'    ERR - FMH DEFAULT IN SYSGEN CAN'T BE USED
        00017  PTEEVMMT EQU   X'17'    ERR - GENCB/MODCB FAILURE
        00018  PTEESNDF EQU   X'18'    ERR - SEND CMD FAILURE
        00019  PTEEWBMS EQU   X'19'    ERR - WRITE BUFFER MISSING
        0001A  PTEEFMHS EQU   X'1A'    ERR - FMH OR FMH-OPTION SPECIFICATION ERROR
        0001B  PTEEQECR EQU   X'1B'    ERR - QEC RECV'D, USER CONTROLS OUTB CHAINING
        0001C  PTEEPUNK EQU   X'1C'    ERR - PTE TYPE UNKNOWN
        0001D  PTEELTNA EQU   X'1D'    ERR - LAST OPTION DISALLOWED
        0001E  PTEEPMXW EQU   X'1E'    ERR - PIPELINE MAX NBR WRITES (1) EXCEEDED
        0001F  PTEEOPNS EQU   X'1F'    ERR - OPT/RQST NOT SUPPTD THIS PTE OR LU TYPE
        00020  PTEEWSZX EQU   X'20'    ERR - WRT SIZ GTR PRUSZ, & CHAIN NOT ALLOWED
        00021  PTEESLUF EQU   X'21'    ERR - SEND LUS (IN LIEU NEG RESP) FAILED
        00022  PTEERBKF EQU   X'22'    ERR - RESET BRACKET (SEND EB) FAILURE
        00023  PTEERQRA EQU   X'23'    ERR - RQR ATTEMPTED
        00024  PTEERBNS EQU   X'24'    ERR - READ-BUFFER NOT SUPPORTED
        00025  PTEEUCNR EQU   X'25'    ERR - OUTB USER CHAINING - NEG RESPONSE
        00026  PTEENEGC EQU   X'26'    ERR - NEG RESP TO SEND COMMAND
        00027  PTEENRNR EQU   X'27'    ERR - NEG RESP, SEND CHAIN, NO RECOVERY POSS
        00028  PTEELURS EQU   X'28'    ERR - LU RQST'D SHUTDOWN
        00029  PTEERCCE EQU   X'29'    ERR - REQ CANCELED, CONVERSATION ENDED
        0002A  PTEESIGR EQU   X'2A'    ERR - SIGNAL RECEIVED NOT RECOGNIZED
        0002B  PTEEIGDS EQU   X'2B'    ERR - INVALID LU6.2 GDS ID
        0002C  PTEESCRM EQU   X'2C'    ERR - SEND CANCELED, WE ARE IN RECV-MODE
        0002D  PTEEZLMR EQU   X'2D'    ERR - ZERO-LNG MSG RECEIVED
        0002E  PTEENMRT EQU   X'2E'    ERR - INVALID/MISSING REQUEST TYPE
        0002F  PTEEALFR EQU   X'2F'    ERR - ALLOCATE FAILED, SESSION BUSY, RETRY OK
        00030  PTEEALFN EQU   X'30'    ERR - ALLOCATE FAILED, NO RETRY
        00031  PTEEALFS EQU   X'31'    ERR - ALLOCATE FAILED,SYNCLEVEL NOT SUPPORTED
        00032  PTEEUNBD EQU   X'32'    ERR - UNBIND RECEIVED
        00033  PTEESNDE EQU   X'33'    ERR - LU6.2 SEND ERROR RECEIVED
        00034  PTEEABND EQU   X'34'    ERR - LU6.2 SEND ABEND RECEIVED
        00035  PTEEXLIM EQU   X'35'    ERR - LIMIT ON INPUT EXCEEDED - READ FAILED
        00036  PTEEEBR  EQU   X'36'    END BRACKET RECEIVED - DEALLOCATE NORMAL
0000F2         PTEERTCD DS    XL1                 VTAM RTNCD
0000F3         PTEEFDBK DS    XL1                 VTAM FDBK2
0000F4         PTEESSNI DS    XL1                 VTAM SENSE INFO (INBOUND)
0000F5         PTEESSMI DS    XL1                 VTAM SENSE MODIFIER (INBOUND)
0000F6         PTEEUSNI DS    XL2                 VTAM USER SENSE INFO (INBOUND)
0000F8         PTEESSNO DS    XL1                 VTAM SENSE INFO (OUTBOUND)
0000F9         PTEESSMO DS    XL1                 VTAM SENSE MODIFIER (OUTBOUND)
0000FA         PTEEUSNO DS    XL2                 VTAM USER SENSE INFO (OUTBOUND)
0000FC         PTEESIGD DS    XL4                 SIGNAL DATA - EXPD-FLOW-CMD
        00010  PTEEERRL EQU   *-PTEECOMP  LENGTH OF ERROR INFO FIELDS
000100         PTEELTRN DS    XL1                 VTAM EXIT LOSTTERM REASON CODE
000101         PTEESSN  DS    XL1                 PTERTYP - SELECTED SERV - NORMAL
               *              01                  SERVICE IS - VTAM LOGON RQST
               *              02                  SERVICE IS - ASYNC-SERV-NEEDED
               *              03                  SERVICE IS - VARY-IN-SERV
               *              04                  SERVICE IS - VARY-OUT-SERV
               *              05                  SERVICE IS - HALT
               *              06                  SERVICE IS - TREQ CONNECT
               *              07                  SERVICE IS - TREQ DISCONNECT
               *              08                  SERVICE IS - CONNECT-IN-PROGRESS
               *              09                  SERVICE IS - TREQ WRITE
               *              0A                  SERVICE IS - TREQ READ
               *              0B                  SERVICE IS - PROCESS SDT
```

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Offset  Value

                *             0C                  SERVICE IS - PROCESS UNBIND
                *             0D                  SERVICE IS - PROCESS SEND ERROR
                *             0E                  SERVICE IS - PROCESS SEND ABEND
                *             0F                  SERVICE IS - ASYNCRONOUS TRAP
000102          PTEERTYP DS   XL1                 SAVE ORIG RQST BITS (PTERTYP)
000103          PTEECHSV DS   XL1                 SAVE BEGIN STATUS USER CHAINING
000104          PTEESERR DS   XL(PTEEERRL)        SAVE AREA FOR ERROR INFO
                ******** PTE USER FIELDS  --  FOR REPORTING ERROR AND STATUS ********
                ******** INFORMATION BACK TO THE USER                        ********
                ** THIS AREA IS FOR THE SHOWPTE COMMAND AND WILL BE REMOVED WHEN
                ** SUPPORT FOR SHOWPTE IS REMOVED.
                *PTEEURA  DS    0X        USER ERR FLDS - COPY OF ERR FLDS ABOVE
                *                         SHOWPTE NOT SUPPORTED
000114          PTEEADRS DS   0F        ADDRS AND OTHER FULLWORD THINGS
000114                   DS   F          RESERVED FOR FUTURE USE
000118                   DS   F          RESERVED FOR FUTURE USE
00011C          PTEEUBA  DS   F         COPY OF ADDRESS FROM UIOBIND  *P#1127
                *  BEGIN PTF 88-10-1064, PART 1
                *  PTEEQLEN WAS FORMERLY A HALFWORD AT X'1D8' FROM BEGINNING OF PTE.
                *
000120          PTEEQLEN DS   F          LENGTH OF DATA CURRENTLY QUEUED
                *  END PTF 88-10-1064, PART 1
000124          PTEECID  DS   CL4                 ADDRESSING CHARS (CID)
000128          PTEERADR DS   F                   LAST R14 PRIOR TO ERROR OCCURRENCE
00012C          PTEESEQN DS   F                   OUTBOUND SEQ NBR SAVE FLD
000130          PTEERPLA DS   A                   RPL CHAIN ANCHOR
000134          PTEERPLW DS   A                   WAITING RPL CHAIN PTR
000138          PTEERPRV DS   A                   RECVANY/T300 COMPLETION RPL
00013C          PTEEAOIA DS   A                   ASYNC-OCCUR-IND RETURN ADDR
000140          PTEERSPW DS   A                   AWAITING-RESPONSE RPL NODE ADDR
000144          PTEEEXFW DS   A                   AWAITING-EXPD-FLOW RPL NODE ADDR
000148          PTEEOUTR DS   H                   MAX SEND RU SIZE
00014A          PTEEINRU DS   H                   MAX RECV RU SIZE
00014C          PTEEASYW DS   F                   ADDR RNOD WAITING ASYNC INTERUPT
000150          PTEEWREM DS   H                   NBR BYTES REMAINING TO WRITE
000152                   DS   H                   RESERVED
000154          PTEEWBUF DS   A                   ADDR OF REMAINING WRITE DATA
000158          PTEENBAD DS   A                   ADDR OF NEXT BUFFER ADDR SLOT
00015C          PTEETRPT DS   F                   TRACE POINT INDICATOR
000160                   DS   A                   FOR FUTURE EXPANSION
        00050   PTEEADRL EQU  *-PTEEADRS          LNG OF ADDRS AND FULLWORDS
000164          PTEERPLR DS   16F                 REG SAV AREA FOR WAITING-RPL
                ******** PIPELINE-SPECIFIC FIELDS ******************************
0001A4          PTEEMPLA DS   F                   MSTR PTE ADDR
0001A8          PTEEEXRP DS   H                   EXCEPTION-RESPONSE-COUNT
0001AA          PTEEWCNT DS   H                   WRITE-COUNT
                PTEEPLM  #FLAG X'80'              PIPELINE MSTR PTE
                PTEEPLS  #FLAG X'40'              PIPELINE SUBORDINATE PTE
                PTEEPLT  #FLAG X'20'              PIPELINE SUB-PTE IS TAKEN
0001AC          PTEEPLF1 DS   XL1                 PIPELINE FLAG 1
0001AE          PTEERTLM DS   H                   RETRY LIMIT
                ******************************************************************
0001B0          PTEEUIOA DS   A                   ADDRESS OF UIOCB
0001B4          PTEEMGE  DS   A                   ADDRESS OF MODE GROUP ELEMENT
0001B8          PTEELUE  DS   A                   ADDRESS OF LOGICAL UNIT ELEMENT
0001BC          PTEENMGP DS   A                   NEXT PTE IN MODEENT GROUP
0001C0          PTEESSIG DS   F                   SAVE SIGNAL DATA
0001C4          PTEESII  DS   XL8                 SESSION INSTANCE IDENTIFIER
0001CC          PTEEPRID DS   XL8                 CURRENT CONVERSATION PROFILE ID
0001D4          PTEEUOW  DS   XL8                 CURRENT CONVERSATION UNIT OF WORK
0001DC          PTEEBUFQ DS   A                   ADDR OF 1ST READ BUFFER IN QUEUE
                * BEGIN PTF 88-10-1064, PART 2
0001E0                   DS   H                   FORMERLY PTEEQLEN, NOW A FULLWORD.
                * END PTF 88-10-1064
0001E2          PTEELLFT DS   H                 / LENGTH OF LU6.2 LOGICAL REC LEFT /
0001E4          PTEELLID DS   H                /  LU6.2 LOGICAL RECORD ID         /
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Offset  Value

0001E6          PTEETTYP DS    X                   TEMPORARY REQUEST TYPE
0001E7          PTEEATR  DS    X                   ASYNCH TRAP IND (SEE PTEEAOI)
0001E8          PTEESVRS DS    XL8                 SAVE RPL INFO FOR LATER RESPONSE
0001F0          PTEESVSQ DS    XL2                 SAVE SEQ NUMBER FOR LATER RESPONSE
                PTEESGR  #FLAG X'80'               SIGNAL RECEIVED
                PTEEFLT  #FLAG X'40'               FREE LTE IS REQUIRED
                PTEEWUB  #FLAG X'20'               WAITING FOR UNBIND
                PTEEUBR  #FLAG X'10'               UNBIND RECEIVED
                PTEECVL  #FLAG X'08'               CONVERSATION STARTED BY LOCAL
                PTEECVR  #FLAG X'04'               CONVERSATION STARTED BY REMOTE
                PTEECVA  #FLAG PTEECVLM+PTEECVRM   CONVERSATION IN PROG ON SESSION
                PTEERCF  #FLAG X'02'               CONFIRM RECV'D (NOT PROCESSED YET)
                PTEENRS  #FLAG X'01'               NEGATIVE RESPONSE ALREADY SENT
0001F2          PTEEFLG7 DS    X
                PTEEMAP  #FLAG X'80'               ON= MAPPED CONVERSATION;OFF= BASIC
                PTEEPUR  #FLAG X'40'               PURGE QUEUED DATA
                PTEEFH5  #FLAG X'20'               FMH-5 ALLOCATE REQUEST RECEIVED
                PTEE1ST  #FLAG X'10'               MASTER'S FIRST READ FOR TASK CODE
                PTEEMGI  #FLAG X'08'               MODE GROUP NEEDS INITIALIZATION
                PTEEERP  #FLAG X'04'               EXPECTING ERP MSG AFTER RESP 0846
                PTEEF5S  #FLAG X'02'               SENDING LU6.2 FMH-5
                PTEEF7S  #FLAG X'01'               SENDING LU6.2 FMH-7
                PTEEFS6  #FLAG PTEEF5SM+PTEEF7SM   SENDING LU6.2 FMH
0001F3          PTEEFLG8 DS    X
                PTEESPC  #FLAG X'80'               CONTINUE RECEIVE SPECIFIC MODE
                PTEESPR  #FLAG X'40'               RETURN TO RECEIVE SPECIFICS
                PTEEANY  #FLAG X'20'               ON=RECV-ANY MODE;OFF=RECV-SPEC
                PTEERM0  #FLAG X'10'               RESTORE PTEMAXR TO ZERO
                PTEESMN  #FLAG X'08'               SEND MODE NEEDED TO SEND ERROR
                PTEESBR  #FLAG X'04'               STOP BRACKETING RECEIVED
                PTEESBS  #FLAG X'02'               STOP BRACKETING SENT
                PTEEXRP  #FLAG X'01'               EXPECTING RESPONSE
0001F4          PTEEFLG9 DS    X
                PTEECBD  #FLAG X'80'               CONNECT SENT BID
                PTEERRR  #FLAG X'40'               READY-TO-RECEIVE CMD RECEIVED
                PTEEGDS  #FLAG X'20'               GDS ID ALREADY IN WRITE BUFFER
                PTEEDCR  #FLAG X'10'               MGE WAIT COUNT DECREMENTED
                PTEEDPP  #FLAG X'08'               DRIVER IS POTENTIAL POSTER OF MGE
                PTEETPP  #FLAG X'04'               USER TASK POTENTIAL POSTER OF MGE
                PTEEPP   #FLAG PTEEDPPM+PTEETPPM   THERE IS A POTENTIAL POSTER OF MGE
                PTEEWVI  #FLAG X'02'               WAITING VARY IN FROM MASTER
                PTEENTC  #FLAG X'01'               ENTER NEXT TASK CODE FROM LINR
0001F5          PTEEFLGA DS    X
                PTEELF   #FLAG X'80'      PRECEDE NEXT WRITE WITH LINE-FEED SEQUENCE
                PTEELLC  #FLAG X'40'               LOGICAL RECORD CONCATINATED
                PTEEWRK  #FLAG X'20'               TEMPORARY WORK FLAG
                PTEEIVR  #FLAG X'10'               PTERM HAS INTERVENTION REQUIRED
                PTEELIU  #FLAG X'08'               LTE MAY STILL BE IN USE.
0001F6          PTEEFLGB DS    X
0001F7          PTEEFLGC DS    X
0001F8          PTEEFLGD DS    X
0001F9          PTEESSCL DS    X                   CURRENT SESSION SYNC LEVEL
0001FA          PTEECSCL DS    X                   CURRENT CONVERSATION SYNC LEVEL
                ****  WHAT RECEIVED - INTERNAL ONLY ****
                PTEEDTA   #FLAG X'80'               DATA
                PTEEROR   #FLAG X'40'               ERROR  (SEND_ERROR RECEIVED)
                PTEELAS   #FLAG X'20'               DEALLOCATE   (SEND LAST RECEIVED)
                PTEECHD   #FLAG X'10'               CHANGE DIRECTION  (TIME TO SEND)
                PTEECFR   #FLAG X'08'               CONFIRM  (CONFIRMATION REQUESTED)
                PTEESGN   #FLAG X'04'               SIGNAL  (REQUEST_TO_SEND RECEIVED)
                PTEESCP   #FLAG X'02'               SYNCPOINT (TAKE_SYNCPOINT)
                PTEERLL   #FLAG X'01'               SYNCPOINT ROLLBACK REQUIRED
0001FB          PTEEWREC  DS    X                   WHAT RECEIVED
                PTEEFMD   #FLAG X'80'               DATA CONTAINS FMH
                PTEEDAC   #FLAG X'40'               DATA_COMPLETE (OFF = INCOMPLETE)
0001FC          PTEEDATF  DS    X                   DATA TYPE FLAG
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Offset  Value

                ***********************************
0001FD          PTEEBIND DS    XL256               BIND AREA FOR LOGICAL UNITS
        00100   PTEEBINL EQU   *-PTEEBIND          LNG OF BIND AREA
0002FD          PTEEDEVC DS    CL8                 FOR VTAM DEVCHAR
        00008   PTEEDEVL EQU   *-PTEEDEVC          LNG OF DEVCHAR
000308          PTEE62   DS    7F                  RESERVED
000324                   DS    H                   RESERVED
        00268   PTEEXLEN EQU   (((*+7)-PTEX)/8)*8  LENGTH OF EXTENSION
                         PRINT GEN
                ********************************************************************
                * EXTENSION FOR APPC EMULATOR PTERMS
                ********************************************************************
000326                   ORG   PTEX          SET ORIGIN FOR EXTENSION
                ***
                *** PRESENTATION SERVICES VARIABLES
                ***
0000C0          PTEFPSIP DS    3A            CURRENT INPUT PU BUFFER START/NEXT/END
0000CC          PTEFPSOP DS    3A            CURRENT OUTPUT PU BUFFER START/NEXT/END
0000D8          PTEFLOGD DS    A             ADDRESS OF INCOMING LOG MESSAGE BUFFER
0000DC          PTEFR6A  DS    A             R6 AT ENTRY TO INSSNSLG/EXTSNSLG
0000E0          PTEFR6B  DS    A             R6 AT ENTRY TO INSPU/EXTPU
0000E4          PTEFR6C  DS    A             R6 AT ENTRY TO WRITEPU/READPU
0000E8          PTEFPR23 DS    2A            SAVE AREA FOR REGS 2 AND 3
0000F0          PTEFPUSZ DS    2F            PU SIZE (2ND WORD USED BY #GETSCR)
0000F8          PTEFPLEN DS    H             LENGTH OF REST OF CURRENT PUB
0000FA          PTEF#IPU DS    H             NUMBER OF INPUT PU'S STAGED TO SCRATCH
0000FC          PTEF#OPU DS    H             NUMBER OF OUTPUT PU'S STAGED TO SCRATCH
0000FE          PTEFLPUB DS    X             TYPE OF LAST INPUT PUB EXAMINED
0000FF          PTEFPSTA DS    X             STATE OF PRESENTATION SERVICES FOR PTERM
        00001   PTEFSEND  EQU   X'01'          SEND
        00002   PTEFRECV  EQU   X'02'          RECEIVE
        00004   PTEFCONF  EQU   X'04'          CONFIRM
        00008   PTEFDEAL  EQU   X'08'          DEALLOCATED
                PTEFICD  #FLAG X'01'         INCOMING CHANGE-DIRECTION
000100          PTEFICDI DS    0XL1
        00001   PTEFICDM EQU   X'01'
                PTEFIDE  #FLAG X'02'         INCOMING DEALLOCATE
000100          PTEFIDEI DS    0XL1
        00002   PTEFIDEM EQU   X'02'
                PTEFIRS  #FLAG X'04'         INCOMING REQUEST-TO-SEND
000100          PTEFIRSI DS    0XL1
        00004   PTEFIRSM EQU   X'04'
                PTEFIEP  #FLAG X'08'         INCOMING ERROR-PURGE
000100          PTEFIEPI DS    0XL1
        00008   PTEFIEPM EQU   X'08'
                PTEFIAP  #FLAG X'10'         INCOMING ABEND-PURGE
000100          PTEFIAPI DS    0XL1
        00010   PTEFIAPM EQU   X'10'
                PTEFIDP  #FLAG PTEFIDEM+PTEFIEPM+PTEFIAPM  INCOMING DEALLOC OR PURGE
000100          PTEFIDPI DS    0XL1
        0001A   PTEFIDPM EQU   PTEFIDEM+PTEFIEPM+PTEFIAPM
000100          PTEFIPUF DS    X             MOST RECENT INPUT PUHFLAGS
                PTEFOCD  #FLAG X'01'         OUTGOING CHANGE-DIRECTION
000101          PTEFOCDI DS    0XL1
        00001   PTEFOCDM EQU   X'01'
                PTEFODE  #FLAG X'02'         OUTGOING DEALLOCATE PENDING
000101          PTEFODEI DS    0XL1
        00002   PTEFODEM EQU   X'02'
                PTEFORS  #FLAG X'04'         OUTGOING REQUEST-TO-SEND PENDING
000101          PTEFORSI DS    0XL1
        00004   PTEFORSM EQU   X'04'
                PTEFOEP  #FLAG X'08'         OUTGOING ERROR-PURGE PENDING
000101          PTEFOEPI DS    0XL1
        00008   PTEFOEPM EQU   X'08'
                PTEFOAP  #FLAG X'10'         OUTGOING ABEND-PURGE PENDING
000101          PTEFOAPI DS    0XL1
```

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Offset  Value

        00010  PTEFOAPM EQU   X'10'
000101         PTEFOPUF DS    X             PUHFLAG FOR NEXT OUTGOING PU
               PTEFDAT  #FLAG X'80'         DATA
000102         PTEFDATI DS    0XL1
        00080  PTEFDATM EQU   X'80'
               PTEFERR  #FLAG X'40'         ERROR
000102         PTEFERRI DS    0XL1
        00040  PTEFERRM EQU   X'40'
               PTEFLST  #FLAG X'20'         DEALLOCATE
000102         PTEFLSTI DS    0XL1
        00020  PTEFLSTM EQU   X'20'
               PTEFCD   #FLAG X'10'         SEND
000102         PTEFCDI  DS    0XL1
        00010  PTEFCDM  EQU   X'10'
               PTEFCFM  #FLAG X'08'         CONFIRM
000102         PTEFCFMI DS    0XL1
        00008  PTEFCFMM EQU   X'08'
               PTEFSIG  #FLAG X'04'         REQUEST-TO-SEND
000102         PTEFSIGI DS    0XL1
        00004  PTEFSIGM EQU   X'04'
000102         PTEFWREC DS    X             WHAT_RECEIVED
               PTEFDTC  #FLAG X'40'         DATA_COMPLETE
000103         PTEFDTCI DS    0XL1
        00040  PTEFDTCM EQU   X'40'
000103         PTEFDATF DS    X             DATA TYPE FLAG
               PTEFDPS  #FLAG X'01'         DISPATCH PS (SET BY TS)
000104         PTEFDPSI DS    0XL1
        00001  PTEFDPSM EQU   X'01'
               PTEFWTS  #FLAG X'02'         PRESENTATION SERVICES IS WAITING FOR TS
000104         PTEFWTSI DS    0XL1
        00002  PTEFWTSM EQU   X'02'
               PTEFPRS  #FLAG X'04'         PENDING REQUEST-TO-SEND
000104         PTEFPRSI DS    0XL1
        00004  PTEFPRSM EQU   X'04'
               PTEFTT   #FLAG X'08'         TASK IS TERMINATING
000104         PTEFTTI  DS    0XL1
        00008  PTEFTTM  EQU   X'08'
               PTEFTTA  #FLAG X'10'         TASK IS TERMINATING ABNORMALLY
000104         PTEFTTAI DS    0XL1
        00010  PTEFTTAM EQU   X'10'
               PTEFWMV  #FLAG X'20'         WAIT FOR MSTR TO VARY PTERM IN SERVICE
000104         PTEFWMVI DS    0XL1
        00020  PTEFWMVM EQU   X'20'
               PTEFFCD  #FLAG X'40'         PS WANTS TO FORCE A CHANGE OF DIRECTION
000104         PTEFFCDI DS    0XL1
        00040  PTEFFCDM EQU   X'40'
               PTEFPSA  #FLAG X'80'         PRESENTATION SERVICES IS ACTIVE
000104         PTEFPSAI DS    0XL1
        00080  PTEFPSAM EQU   X'80'
000104                  DS    X             FLAG
000105         PTEFUCM2 DS    X             EXTENDED COMPLETION CODE
               PTEFHPS  #FLAG X'01'         HALT PRESENTATION SERVICES FOR THIS TERM
000106         PTEFHPSI DS    0XL1
        00001  PTEFHPSM EQU   X'01'
               PTEFFLN  #FLAG X'02'         #FREELTE NEEDED
000106         PTEFFLNI DS    0XL1
        00002  PTEFFLNM EQU   X'02'
               PTEFABT  #FLAG X'04'         TS IS ABORTING
000106         PTEFABTI DS    0XL1
        00004  PTEFABTM EQU   X'04'
               PTEFTOF  #FLAG X'40'         TS OUTPUT BUFFER IS FULL (HAS DATA IN IT
000106         PTEFTOFI DS    0XL1
        00040  PTEFTOFM EQU   X'40'
               PTEFPIF  #FLAG X'80'         PS INPUT BUFFER IS FULL (HAS DATA IN IT)
000106         PTEFPIFI DS    0XL1
        00080  PTEFPIFM EQU   X'80'
```

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Offset  Value

000106                  DS    X             FLAG
000107                  DS    X             *UNUSED*
000108          PTEFSENS DS   XL4           ERROR SENSE CODE
00010C          PTEFPS@  DS   A             ADDR AT WHICH TO DISPATCH PS
000110          PTEFUIOA DS   A             ADDR OF USER I/O COMMUNICATIONS BLOCK
000114          PTEFAPUB DS   A             ADDR OF COPY OF ALLOCATE PUB
                ***
                *** TRANSMISSION SERVICES VARIABLES
                ***
000118          PTEFTSIP DS   3A            CURRENT INPUT PU BUFFER START/NEXT/END
000124          PTEFTSOP DS   3A            CURRENT OUTPUT PU BUFFER START/NEXT/END
000130          PTEFTECB DS   A             ADDR OF ECB TS IS WAITING ON
000134          PTEFTS@  DS   A             ADDR AT WHICH TO DISPATCH TS
000138          PTEFR6M  DS   A             REG 6 AT ENTRY TO OWNDIAL/DDSDIAL
00013C          PTEFOPTE DS   A             ADDR OF ASSOCIATED PTERM
000140          PTEFTYPE DS   X             TYPE OF EMULATED APPC HALF-SESSION
        00004   PTEFOWN1  EQU  X'04'        LU=OWN ALLOCATOR
        00008   PTEFOWN2  EQU  X'08'        LU=OWN ALLOCATEE
        0000C   PTEFDDS1  EQU  X'0C'        LU=DDSNODE ALLOCATOR
        00010   PTEFDDS2  EQU  X'10'        LU=DDSNODE ALLOCATEE
        00014   PTEFPC2   EQU  X'14'        PERSONAL COMPUTER ALLOCATEE
                PTEFDTS  #FLAG X'01'        DISPATCH TS
000141          PTEFDTSI DS   0XL1
        00001   PTEFDTSM EQU  X'01'
                PTEFWPS  #FLAG X'02'        TRANSMISSION SERVICES IS WAITING FOR PS
000141          PTEFWPSI DS   0XL1
        00002   PTEFWPSM EQU  X'02'
                PTEFWEC  #FLAG X'04'        TRANSMISSION SERVICES IS WAITING ON ECB
000141          PTEFWECI DS   0XL1
        00004   PTEFWECM EQU  X'04'
                PTEFWOW  #FLAG X'08'        TS WAITING FOR OWN PARTNER TO DISPATCH
000141          PTEFWOWI DS   0XL1
        00008   PTEFWOWM EQU  X'08'
                PTEF1ST  #FLAG X'40'        FIRST I/O OF SESSION
000141          PTEF1STI DS   0XL1
        00040   PTEF1STM EQU  X'40'
                PTEFTSA  #FLAG X'80'        TRANSMISSION SERVICES IS ACTIVE
000141          PTEFTSAI DS   0XL1
        00080   PTEFTSAM EQU  X'80'
000141                  DS    X             FLAG
000142          PTEFTSTA DS   X             TRANSMISSION STATE (RECV OR SEND)
000143          PTEFLSQ  DS   C             LAST SEQUENCE NUMBER ( PERSONAL COMPUTER)
000144          PTEFWORK DS   2A            TEMPORARY WORK SPACE
00014C                  DS    5A            **NOT USED**
        000A0   PTEFXLEN EQU  ((*+7-PTEX)/8)*8  LENGTH OF EXTENSION
```

1.109 #P58DS

```
                    COPY #P58DS
          ***
          ***   P58   DSECT DESCRIBES THE "NEW" BIND06/15/90 15:35:23
          ***
          ***   THE THIRD CALLING PARAMETER POINTS TO A PARAMETER CONTROL BLOCK
          ***   WHICH STARTS WITH A FULLWORD -1 (IF PRE-RELEASE 3) OR -2 IF
          ***   RELEASE 3 OR GREATER, FOLLOWED BY ANY NUMBER OF
          ***   TRIPLETS DESCRIBED BY THE P58 DSECT BELOW.  EACH TRIPLET
          ***   DESCRIBES ONE BUFFER AREA FOR SENDING AND/OR RECEIVING DATA
          ***   IN THE INTERFACE-TO-CV COMMUNICATION.
          ***

Offset  Value

000000          P58      DSECT                          10:20:48 06/12/80
        00080   P58EOLST EQU   X'80'               END OF LIST -- ON IN LAST TRIPLET.
        00040   P58RCV   EQU   X'40'               BUFFER IS A RECEIVE BUFFER.
        00020   P58SEND  EQU   X'20'               BUFFER IS A SEND BUFFER.
        00010   P58CDI   EQU   X'10'               P58 RELATES TO "APPC" CHG DIRECTION
        00008   P58MPREC EQU   X'08'               MULTI-PART RECORD ("APPC" OVER SVC)
000000          P58FLAG  DS    0XL1                FLAG BYTE. (REL 3).
000000          P58BUFLN DS    F                   LENGTH OF BUFFER AREA IN BYTES 1-3
000004          P58DATLN DS    F                   ACTUAL LENGTH OF DATA.
000008          P58FLAG2 DS    0XL1                FLAG BYTE. (REL 2).
000008          P58DATA  DS    A                   ADDRESS OF DATA.
        0000C   P58DSLEN EQU   *-P58               LENGTH OF TRIPLET.
```

1.110 #QCEDS

```
                 COPY #QCEDS
        ************************************************************************
        ***                                                                  ***
        ***   QCE:   QUEUE CONTROL ELEMENT                                   ***
        ***                                                                  ***
        ************************************************************************

Offset  Value

000000          QCE      DSECT                          08/18/88 13:22:57   04/24/95
000000          QCEQNAME DS    CL16                QUEUE NAME
000010          QCECDBK  DS    CL4                 CURRENT DBKEY
000014          QCENDBK  DS    CL4                 NEXT DBKEY
000018          QCEPDBK  DS    CL4                 PRIOR DBKEY
00001C          QCEQDEA  DS    A                   POSSIBLE ADDRESS OF A QDE, IF
                *                                  EXTANT, 0 IF NONE CONNECTED.
000020          QCELDBK  DS    F                   HIGHEST DBKEY OF MEMBER.
000024          QCECURCT DS    H                   # RECS PUT ON Q SINCE LAST COMMIT
                QCEFSRD  #FLAG X'80'               SECHECK AUTH=READ DONE  *CRM880705*
000026          QCEFSRDI DS    0XL1
        00080   QCEFSRDM EQU   X'80'
                QCEFSUD  #FLAG X'40'               SECHECK AUTH=UPDATE DONE       "
000026          QCEFSUDI DS    0XL1
        00040   QCEFSUDM EQU   X'40'
                QCEFSDD  #FLAG X'20'               SECHECK AUTH=DELETE DONE       "
000026          QCEFSDDI DS    0XL1
        00020   QCEFSDDM EQU   X'20'
                QCEFSRA  #FLAG X'08'               SECHECK AUTH=READ AUTHORIZED   "
000026          QCEFSRAI DS    0XL1
        00008   QCEFSRAM EQU   X'08'
                QCEFSUA  #FLAG X'04'               SECHECK AUTH=UPDATE AUTHORIZED "
000026          QCEFSUAI DS    0XL1
        00004   QCEFSUAM EQU   X'04'
                QCEFSDA  #FLAG X'02'               SECHECK AUTH=DELETE AUTHORIZED "
000026          QCEFSDAI DS    0XL1
        00002   QCEFSDAM EQU   X'02'
000026          QCEFLAG1 DS    XL1                 FLAG BYTE #1            *CRM880705*
                QCEFDEL  #FLAG X'80'               LAST UPDATE WAS DELETE QUEUE.
000027          QCEFDELI DS    0XL1
        00080   QCEFDELM EQU   X'80'
                QCEFDER  #FLAG X'40'               Last upd was delete record.    QQ2
000027          QCEFDERI DS    0XL1
        00040   QCEFDERM EQU   X'40'
                QCEFSVP  #FLAG X'20'               Savepoint has been establsihed QQ2
000027          QCEFSVPI DS    0XL1
        00020   QCEFSVPM EQU   X'20'
000027          QCEFLAG2 DS    XL1                 FLAG BYTE #2
                *  The following fields are used to preserve current QUE info for
                *    savepoint processing
000028          QCESCDBK DS    F                   CURRENT DBKEY
00002C          QCESNDBK DS    F                   NEXT DBKEY
000030          QCESPDBK DS    F                   PRIOR DBKEY
000034          QCESLDBK DS    F                   HIGHEST DBKEY OF MEMBER.
000038          QCESCCT  DS    H                   # RECS PUT ON Q SINCE LAST COMMIT
00003A          QCESFLG2 DS    XL1                 FLAG BYTE #2
                *  End of savepoint-related fields
00003C                   DS    2F                  *** UNUSED ***
        00044   QCEDSLEN EQU   *-QCE               LENGTH OF DSECT IN BYTES
```

1.111 #QDEDS

```
                         COPY #QDEDS
                 ************************************************************************
                 ***                                                                  ***
                 *** QDE:   QUEUE DEFINITION ELEMENT DSECT                            ***
                 ***                                                                  ***
                 ************************************************************************
                         PRINT NOGEN

Offset  Value

000000           QDE      DSECT                           08/18/88 13:23:28   04/06/99
000000           QDEQUEID DS    CL16                 QUEUE NAME.
000010           QDEOWNID DS    CL18                 OWNER ID
000022           QDECURCT DS    H                    CURRENT COUNT OF RECORDS IN QUEUE
000024           QDETHRCT DS    H                    THRESHOLD COUNT FOR AUTO TASK INIT
000026           QDEMAXCT DS    H                    UPPER LIMIT ON QUEUE SIZE
                 QDEOUTS  #FLAG X'80'                QUEUE OUT OF SERVICE
                 QDETSKI  #FLAG X'40'                TASK HAS BEEN INITIATED
                 QDEDYNA  #FLAG X'20'                QDE WAS DYNAMICALLY ALLOCATED
                 QDELCL   #FLAG X'10'                QDE represents a local Queue
                 QDEGLOK  #FLAG X'08'                QDE is locked for coupling facility
000028           QDEFLAG1 DS    X                    FLAG BYTE 1
000029           QDEYRC   DS    X                    Binary Year created
00002A           QDEDAYC  DS    H                    Binary Day created
00002C           QDERETAN DS    X                    RETENTION PERIOD, NUMBER OF DAYS
        000FF    QDE4EVER EQU   255                  RETAINED FOREVER, OR TIL DELETED
00002D                    DS    X                    Reserved
000030                    DS    0F                   Ensure fullword alignment.
000030           QDETSKCD DS    CL8                  Task Code
        00038    QDECFLEN EQU   ((*-QDE+3)/4)*4      Length to go in coupling facility
000038           QDETDEA  DS    A                    POINTER TO TASK TO BE INITIATED
00003C           QDESTATA DS    A                    ADDR OF STATISTICS BLOCK
000040           QDESCCAT DS    F                    RESERVED FOR SECURITY CATEGORY
                 *                                   MAINTAINED ONLY FOR DYNAMIC QDES
000044           QDEUSRWA DS    CL8                  USER WORK AREA
00004C           QDEECBA  DS    A                    POINTER TO QUEUE TASK ECB
000050           QDEUSECT DS    F                    COUNT OF TASKS USING THIS QDE.
000054           QDEQWEA  DS    A                    Address of QWE
000058           QDELOCKW DS    A                    Lock anchor for QDE.
00005C                    DS    F                    *** Reserved ***
        00060    QDEDSLEN EQU   ((*-QDE+3)/4)*4      LENGTH OF QUEUE ELEMENT ENTRY
                          PRINT GEN
```

1.112 #QDTDS

```
                         COPY #QDTDS
                 ***********************************************************************
                 ***                                                                 ***
                 *** QDT:   QUEUE DEFINITION TABLE HEADER DSECT                      ***
                 ***                                                                 ***
                 ***********************************************************************
                         PRINT NOGEN

Offset  Value

000000           QDT      DSECT                           09/23/88 11:25:35   05/02/95
000000           QDTN     DS    H                   NUMBER OF ENTRIES IN TABLE.
000002           QDTELEN  DS    H                   LENGTH IN BYTES OF ONE ENTRY.
000004           QDTKEYOF DS    H                   OFFSET IN BYTES OF KEY IN ENTRY.
000006           QDTKEYL  DS    XL1                 LENGTH OF KEY IN BYTES.
                 *
                 QDTNDX   #FLAG X'80'               TABLE IS INDEXED.
                 QDTLIN   #FLAG X'40'               TABLE TO BE SEARCHED LINEARLY.
                 QDTBIN   #FLAG X'20'               TABLE TO BE SEARCHED BINARILY.
                 QDTHASH  #FLAG X'10'               TABLE IS HASHED.
000007           QDTFLAG  DS    XL1                 FLAG BYTE.
                 *
000008           QDTSTART DS    A                   ADDR OF FIRST ELEMENT.
00000C           QDTTBLEN DS    A                   LNGTH OF ENTIRE QDT AREA
                 *                                                         *PHG Q-WAIT*
                 QDTSNGL  #FLAG X'80'               SINGLE-THREAD QUEM      *PHG Q-WAIT*
                 QDTQGLB  #FLAG X'40'               Global queues may be active  * HRH *
                 QDTINIT  #FLAG X'20'               Init completed               * HRH *
000010           QDTFLAG2 DS    XL1                 FLAG BYTE               *PHG Q-WAIT*
000011                    DS    XL3                 *RESERVED*              *PHG Q-WAIT*
000014           QDTSTECB DS    3F                  SINGLE-THREAD ECB       *PHG Q-WAIT*
000020           QDTLOCK  DS    F                   Protected update lock anchor R150
        00032    QDTNUL#  EQU   50                  NUMBER OF NULL QDES TO ALLOCATE
                 *                                    FOR DYNAMIC QUEUES
000024                    DS    3F                  *** Reserved ***
        00030    QDTDSLEN EQU   ((*-QDT+3)/4)*4
                         PRINT GEN
```

1.113 #QWEDS

```
                    COPY #QWEDS
             ********************************************************************
             ***                                                              ***
             ***   QWE:   QUEUE WAIT ELEMENT                                  ***
             ***                                                              ***
             ********************************************************************

Offset  Value

000000       QWE      DSECT                          11:45:01 MAY  26, 1979
000000       QWENEXTA DS    A                   NEXT QWE IN CSA CHAIN.
000004       QWEUSECT DS    F                   NUMBER OF TASKS WAITING.
000008       QWEECB   DS    F                   ECB FOR WAITING.
00000C       QWEQNAME DS    CL16                QUEUE BEING WAITED ON.
        0001C QWEDSLEN EQU   *-QWE               LENGTH OF DSECT IN BYTES
```

1.114 #RCADS

```
                         COPY #RCADS
                 ***********************************************************************
                 ***                                                                 ***
                 *** RCA:   RESOURCE CONTROL AREA HEADER DSECT                       ***
                 ***                                                                 ***
                 ***********************************************************************

Offset  Value

000000           RCA      DSECT                                                 07/19/95
                          PRINT NOGEN
                 *                RLE related fields
000000           RCARLBA  DS    A                   A(first RLE in this block)
000004           RCARLNXA DS    A                   A(next block for RLE's)
000008           RCARLFA  DS    D                   A(first available RLE in pool)
000010           RCARLNUM DS    F                   Number of RLE's in pool
000014           RCARLINU DS    F                   Number of RLE's in use
000018           RCARLTHR DS    F                   Number of RLE's in threshold
00001C           RCARLNUX DS    F                   Number of RLE's in this block
000020           RCARLBLK DS    H                   Number of blocks for RLE's
000022           RCARLMXB DS    H                   Maximum number of blocks for RLE's
000024           RCARLCK  DS    A                   Lock word for RLE's and RCE's
000028                    DS    2F                  Reserved
                 *                RCE related fields
000030           RCARCBA  DS    A                   A(first RCE in this block)
000034           RCARCNXA DS    A                   A(next block for RCE's)
000038           RCARCFA  DS    D                   A(first available RCE in pool)
000040           RCARCNUM DS    F                   Number of RCE's in pool
000044           RCARCINU DS    F                   Number of RCE's in use
000048           RCARCTHR DS    F                   Number of RCE's in threshold
00004C           RCARCNUX DS    F                   Number of RCE's in this block
000050           RCARCBLK DS    H                   Number of blocks for RCE's
000052           RCARCMXB DS    H                   Maximum number of blocks for RCE's
000054                    DS    3F                  Reserved
                 *                DPE related fields
000060           RCADPBA  DS    A                   A(first DPE in this block)
000064           RCADPNXA DS    A                   A(next block for DPE's)
000068           RCADPFA  DS    A                   A(first available DPE in pool)
00006C           RCADLCK  DS    A                   Lock word for DPE's
000070           RCADPNUM DS    F                   Number of DPE's in pool
000074           RCADPINU DS    F                   Number of DPE's in use
000078           RCADPTHR DS    F                   Number of DPE's in threshold
00007C           RCADPNUX DS    F                   Number of DPE's in this block
000080           RCADPBLK DS    H                   Number of blocks for DPE's
000082           RCADPMXB DS    H                   Maximum number of blocks for DPE's
000084                    DS    3F                  Reserved
                 *                ILE related fields
000090           RCAILBA  DS    A                   A(first ILE in this block)
000094           RCALKSTA DS    A                   A(RHDCLOCK statistics area)
000098           RCAILFA  DS    D                   A(first available ILE in pool)
0000A0           RCAILNUM DS    F                   Number of ILE's in pool
0000A4           RCAILINU DS    F                   Number of ILE's in use
0000A8           RCAILTHR DS    F                   Number of ILE's in threshold
0000AC           RCAILHWM DS    F                   High water mark
0000B0                    DS    4F                  Reserved
                 *
         000C0   RCADSLEN EQU   ((*-RCA+15)/16)*16  Length of RCA dsect
                 ***********************************************************************
                 ***                                                                 ***
                 *** RCAX:  RESOURCE CONTROL AREA EXTENSION DSECT                    ***
                 ***                                                                 ***
                 ***********************************************************************
000000           RCAX     DSECT
```

```
Offset  Value

                *
000000          RCAXEYEC DS    CL4                 RCAX Eye catcher
000004          RCAXNXA  DS    A                   A(next block for this resource)
000008          RCAXNUX  DS    F                   Number of entries in this block
                *
                RCAXRLE  #FLAG X'80'               RCA extension for RLE's
                RCAXRCE  #FLAG X'40'               RCA extension for RCE's
                RCAXDPE  #FLAG X'20'               RCA extension for DPE's
00000C          RCAXFLAG DS    X                   Flags
00000D                   DS    XL3                 Reserved
                *
        00010   RCAXDSLN EQU   ((*-RCAX+15)/16)*16 Length of RCAX dsect
                *
000010          RCAXRBA  DS    0A                  A(first resource in this block)
                ***********************************************************************
                ***                                                                 ***
                *** DPE:   DEADLOCK PREVENTION ELEMENT DSECT                        ***
                ***                                                                 ***
                ***********************************************************************
000000          DPE      DSECT
                DPELONG  #FLAG X'80'               IF SET, THIS IS LONG-TERM DPE.
                DPELTE   #FLAG X'40'               DPE BELONGS TO LTE
                DPEHTE   #FLAG X'20'               DPE BELONGS TO HTE  (OBSOLETE)
                DPENDCE  #FLAG DPELTEM+DPEHTEM     DPE DOES NOT BELONG TO DCE
000000          DPEFLAG  DS    XL1                 FLAGS
000001                   DS    XL1                 RESERVED
000002          DPEUCTR  DS    H                   USAGE COUNTER
                *
000004          DPEECBA  DS    0A                  ECB 'OWNER' POINTER.
000004          DPENXTFR DS    A                   NEXT FREE DPE IN FREE LIST.
                *
000008          DPEECBNA DS    A                   NEXT DPE IN ECB'S LIST.
                *
00000C          DPELTEA  DS    0A                  ADDR OF OWNER LTE, OR
00000C          DPEDCEA  DS    0A                               DCE.
00000C          DPEOWNER DS    A                   ADDRESS OF OWNER
                *
000010          DPELTENA DS    0A                  NEXT DPE IN LTE'S, OR
000010          DPEDCENA DS    0A                             DCE'S LIST.
000010          DPENXTA  DS    A                   NEXT DPE IN DCE/LTE LIST
                *
000014          DPELTEPA DS    0A                  PRIOR DPE IN LTE'S, OR
000014          DPEDCEPA DS    0A                               DCE'S LIST.
000014          DPEPRIA  DS    A                   PRIOR DPE IN DCE/LTE LIST
                *
        00018   DPEDSLEN EQU   ((*-DPE+3)/4)*4     LENGTH OF DPE.
                ***********************************************************************
                ***                                                                 ***
                *** RLE:   RESOURCE LINK ELEMENT DSECT                              ***
                ***                                                                 ***
                ***********************************************************************
000000          RLE      DSECT
                RLEEND   #FLAG X'80'               END OF RLE CHAIN
000000          RLENXTA  DS    A                   NEXT RLE IN CHAIN
000004          RLEPRIA  DS    A                   PRIOR RLE IN CHAIN.
000008          RLERCEA  DS    A                   ADDR OF RCE.
        0000C   RLEDSLEN EQU   *-RLE               LENGTH OF RLE DSECT.
                ***********************************************************************
                ***                                                                 ***
                *** RCE:   RESOURCE CONTROL ELEMENT DSECT                           ***
                ***                                                                 ***
                ***********************************************************************
000000          RCE      DSECT
                RCEFREE  #FLAG X'80'               RCE in free chain
000000          RCENXTA  DS    A                   NEXT POINTER IN FREE LIST.
000004                   ORG   RCENXTA
```

```
Offset  Value

               *
               *   RCE TYPE DEFINITIONS.
               *
        00001  RCETYSTG EQU   1                  STORAGE ELEMENT.
        00002  RCETYPGM EQU   2                  PROGRAM ELEMENT.
        00003  RCETYFIL EQU   3                  FILE CONTROL ELEMENT.
        00004  RCETYSCR EQU   4                  SCRATCH ELEMENT.
        00005  RCETYINR EQU   5                  INTERNAL RUN-UNIT ALLOCATION.
        00006  RCETYQUE EQU   6                  QUEUE ELEMENT.
        00007  RCETYDMP EQU   7                  A CHUNK TO DUMP IF TASK ABENDS.
        00008  RCETYMSG EQU   8                  MESSAGE QUEUE ELEMENT.
        00009  RCETYSON EQU   9                  SIGNON ELEMENT.
        0000A  RCETYENQ EQU   10                 ENQUEUE ELEMENT.
        0000B  RCETYSNG EQU   11                 SINGLE-THREAD RESOURCE ELEMENT.
        0000C  RCETYECB EQU   12                 ECBID ELEMENT.
        0000D  RCETYMDQ EQU   13                 MSG DICT QUEUE ELEMENT.
        0000E  RCETYSLT EQU   14                 Session LTE.
        0000F  RCETYICE EQU   15                 INTERVAL CONTROL ELEMENT.
        00010  RCETYBLL EQU   16                 BLL LIST (COBOL SUPPORT).
        00011  RCETYBMS EQU   17                 BLAST MESSAGE BUFFER.
               *  TYLTR EQU   18                 DDS LONG TERM RESOURCES.  (obsolete)
               *  TYREL EQU   19                 RELOCATABLE STORAGE       (obsolete)
               *  TYOTI EQU   20                 OTP IOP AVAILABLE         (obsolete)
               *  TYOTB EQU   21                 OTP PAGE BUFFER           (obsolete)
               *  TYOTW EQU   22                 OTP SPECIFIC BFR WAIT     (obsolete)
               *  TYOTF EQU   23                 OTP TRESPASSER FEB        (obsolete)
        000FF  RCENINIT EQU   255                UNINITIALIZED RCE TYPE.
000000         RCETYPE  DS    XL1                TYPE CODE.
               *
               *   RCE FLAG BYTE DEFINITIONS:
               *
               *
               *      USED IN RCETYPE:       111111111122222
               *                     123456789012345678901234
               *
               *
               *   RCE SINGLE-THREAD RESOURCE TYPE DEFINITIONS.
               *
               *   (S)HE WHO CHANGES THIS LIST IN ANY WAY HAD BEST REFER TO THE
               *   CORRESPONDING LIST IN #CSADS AND MAKE SIMILAR CHANGES!
               *
        00001  RCESNLOD EQU   1               1         LOADER.
        00002  RCESNLOG EQU   2               1         LOG FILE.
        00003  RCESNTLF EQU   3               1         TRAN LOG FILE.
        00004  RCESNSCR EQU   4               1         SCRATCH AREA.
               *
        00004  RCESTHI  EQU   4               1         HIGHEST TYPE YET DEFINED.
000001         RCESTTYP DS    0XL1            1         TYPE OF RESOURCE.
               *
               *
               *   PROGRAM CONTROL RCE FLAG DEFNITIONS.
               *
               RCEPUSE  #FLAG X'01'  2                PROGRAM IS IN USE BY SOME TAS K.
               RCEDBUG  #FLAG X'02'  2                PROGRAM IS BEING DEBUGGED.
               RCEPOUT  #FLAG X'04'  2                PROGRAM IS CURRENTLY OVERLAID .
               RCEPOVL  #FLAG X'08'  2                PROGRAM MAY BE OVERLAID IF NE C.
               RCEPUSR  #FLAG X'10'  2                PROGRAM IS IN STORAGE POOL
               RCEPUSK  #FLAG X'20'  2                PROGRAM IS IN USER,KEPT STORAGE
               RCEPURG  #FLAG X'80'  2                PROGRAM TO BE PURGED - NEW COPY
000001         RCEPSTAT DS    0XL1   2                PROGRAM STATUS.
               *
               *
               *   STORAGE MANAGEMENT FLAG DEFINITIONS
               *
               RCEKPST  #FLAG X'80' 1                 STORAGE IS KEPT ACROSS TASKS
000001         RCESPID  DS    0XL1  1                 STORAGE POOL ID.
```

```
Offset  Value

000001          RCEFLAGS DS    XL1                 FLAG BYTE FOR ALL
                *
000002          RCEUCTR  DS    H                   USAGE COUNT--NUM OF RLES.
                *
000004          RCETSKID DS    F                   TASK ID OF CREATING TASK.
                *
000008          RCE1     DS    F                   FIRST VARIABLE WORD.
00000C          RCE2     DS    F                   SECOND VARIABLE WORD.
000010          RCE3     DS    F                   THIRD VARIABLE WORD.
000014          RCE4     DS    F                   FOURTH VARIABLE WORD.
000018          RCE5     DS    F                   Fifth variable word
00001C          RCE6     DS    F                   Sixth variable word
        00020   RCEDSLEN EQU   *-RCE               LENGTH OF RCE DSECT.
                *
                *   DEFINITIONS OF FIRST WORD OVERLAYS.
                *
                *      USED IN RCETYPE:       111111111122222
                *                    123456789012345678901234
000020                  ORG   RCE1
000008          RCERLEN  DS    0F    12     8        7       RESOURCE LENGTH.
000008          RCESIAA  DS    0F       4                    ADDR OF SCRATCH INDEX AREA
000008          RCEWAITR DS    0F              1             # OF TASKS WAITING FOR RSC
000008          RCEBLLO  DS    0F                   6        PGM RCE OF BLL OWNER
                *
                *   DEFINITIONS OF SECOND WORD OVERLAYS.
                *
                *      USED IN RCETYPE:       111111111122222
                *                    123456789012345678901234
000008                  ORG   RCE2
00000C          RCEECB   DS    0F               2            GENERAL ECB--1 OR 2 WORDS.
00000C          RCEDADDR DS    0A          7         7       ADDR TO DUMP IF TASK ABEND
00000C          RCERSID  DS    0F    1                      SCRATCH ID IF RCEROUT
00000C          RCERADDR DS    0A    12             6        RESOURCE ADDRESS.
00000C          RCEECEA  DS    0A             0             ENQUEUE CONTROL ELE ADDR.
00000C          RCEICEA  DS    0A                  5        ICE ADDR.
00000C          RCERUHA  DS    0A        5                   INTERNAL RUN UNIT AREA ADR
00000C          RCEMDQA  DS    0A                3           MDQ ADDRESS.
00000C          RCEDBK   DS    0F           8                DATA BASE KEY.
00000C          RCEQCEA  DS    0A         6                  ADDR OF QUEUE CONTROL ELE
00000C          RCEVIBA  DS    0A                 4          VARIABLE SUBSCHEMA ADDRESS
00000C          RCESONA  DS    0A            9               SIGNON ELEMENT ADDRESS.
00000C          RCEODCE  DS    0F              1             ADDR OF OWNER DCE OF RES
                *
                *   DEFINITIONS OF THIRD WORD OVERLAYS.
                *
                *      USED IN RCETYPE:       111111111122222
                *                    123456789012345678901234
00000C                  ORG   RCE3
000010          RCESCMA  DS    0A    1                      SCM address       JDM 6/92
000010          RCEDLEN  DS    0F          7                LNG OF STG TO DUMP IF ABND
000010          RCEPDEA  DS    0A     2                     ADDRESS OF PDE.
000010          RCETRLEA DS    0A                3           RLE ANCHOR ADDRESS FOR RCE
000010          RCEECBID DS    0CL4             2            SYMBOLIC ECB ID.
000010          RCELTEA  DS    0A       456  9    4          ADDR OF LOGICAL TERM ELE
000010          RCESTECB DS    0A              1             ADDRESS OF ECB OF RESOURCE
000010          RCEBMSNL DS    0A                   7        #LTES QUEUED TO MESSAGE.
000010          RCEBLL1  DS    H                    6        DISP OF FIRST BLL FOR RSRC
000012          RCEBLL2  DS    H                    6        DISP OF 2ND BLL FOR RSRC.
                *
                *   DEFINITIONS OF FOURTH WORD OVERLAYS.
                *
                *      USED IN RCETYPE:       111111111122222
                *                    123456789012345678901234
000014                  ORG   RCE4
000014          RCESCTA  DS    0A    1                      ADDRESS OF SCT.
000014          RCEPDTA  DS    0A     2                     ADDRESS OF PDT.
```

```
Offset  Value

000014          RCERUEA  DS    0A        5                   ADDRESS OF RUE IF OVERFLOW
000014          RCETGTA  DS    0A                  6         ADDRESS OF TGT.
                *
                *   Definitions of fifth word overlays:
                *
                *      Used in RCETYPE:       111111111122222
                *                     123456789012345678901234
000014                   ORG   RCE5
000018          RCEPDTXA DS    0A     2                      Address of PDTX.
000018          RCESSCA  DS    0A        5                   SUBSCHEMA CONTROL AREA ADR
                RCEMULT  #FLAG X'80' 1                       Multiple stg. alloc.
                RCEUNIQ  #FLAG X'40' 1                       Mult alloc not allowed
                RCERLOC  #FLAG X'10' 1                       Relocatable storage
                RCECRCY  #FLAG X'08' 1                       Stg. alloc is $*$CURCY
                RCECURF  #FLAG X'04' 1                       CURS is requesting free
                RCEROUT  #FLAG X'01' 1                       Relo stg is "out"
                *
                *   Definitions of sixth word overlays:
                *
                *      Used in RCETYPE:       111111111122222
                *                     123456789012345678901234
000018                   ORG   RCE6
00001C          RCESTGID DS    0XL4  1                       Symbolic storage id
00001C                   ORG
                         PRINT GEN
```

1.115 #RLBDS

```
                         COPY #RLBDS
                ******************************************************************

                *                                                                *
                *  RLB: RESOURCE LIMIT BLOCK - TASK RESOURCE LIMITS DEFINITION   *
                *                                                                *
                ******************************************************************
Offset  Value

000000          RLB      DSECT                          09:25:44 12/06/85   10/18/90
000000          RLBSTGL  DS    F                   STORAGE LIMIT IN BYTES
000004          RLBCPUL  DS    F                   CPU TIME LIMIT
000008          RLBTIML  DS    F                   WALL CLOCK TIME LIMIT
00000C          RLBLOKL  DS    F                   DB LOCK LIMIT
000010          RLBCALL  DS    F                   DB/DC CALL LIMIT
000014          RLBDIOL  DS    F                   DB I/O LIMIT
000018          RLBRCEL  DS    F                   RCE LIMIT
00001C          RLBRLEL  DS    F                   RLE LIMIT
000020          RLBDPEL  DS    F                   DPE LIMIT
        00024   RLBHIL   EQU   *-RLB               LAST IMPLEMENTED LIMIT
000024                   DS    2F                  RESERVED                JIC041084
00002C          RLBEA    DS    A                   RLB EXTENSION ADDR      JIC041084
        00030   RLBDSLEN EQU   ((*-RLB+3)/4)*4     LENGTH OF RLB DSECT
        00009   RLBLCNT  EQU   RLBHIL/4            COUNT OF LIMITS DEFINED
                ******************************************************************
                *                                                                *
                *  RLBE: RESOURCE LIMIT BLOCK EXTENSION                          *
                *                                                                *
                ******************************************************************
000000          RLBE     DSECT
000000          RLBESTGC DS    H                   # TIMES STORAGE LIMIT EXCEEDED
000002                   DS    H                   RESERVED
000004          RLBECPUC DS    H                   # TIMES CPU TIME LIMIT EXCEEDED
000006                   DS    H                   RESERVED
000008          RLBETIMC DS    H                   # TIMES WALL TIME LIMIT EXCEEDED
00000A                   DS    H                   RESERVED
00000C          RLBELOKC DS    H                   # TIMES DB LOCK LIMIT EXCEEDED
00000E                   DS    H                   RESERVED
000010          RLBECALC DS    H                   # TIMES DB/DC CALL LIMIT EXCEEDED
000012                   DS    H                   RESERVED
000014          RLBEDIOC DS    H                   # TIMES DB I/O LIMIT EXCEEDED
000016                   DS    H                   RESERVED
000018          RLBERCEC DS    H                   # TIMES RCE LIMIT EXCEEDED
00001A                   DS    H                   RESERVED
00001C          RLBERLEC DS    H                   # TIMES RLE LIMIT EXCEEDED
00001E                   DS    H                   RESERVED
000020          RLBEDPEC DS    H                   # TIMES DPE LIMIT EXCEEDED
000022                   DS    H                   RESERVED
        00024   RLBEHI   EQU   *-RLBE              LAST IMPLEMENTED LIMIT EXTENSION
000024                   DS    3F                  RESERVED
        00030   RLBEDSLN EQU   ((*-RLBE+3)/4)*4     LENGTH OF RLBE DSECT
```

1.116 #RPBDS

```
                        COPY #RPBDS

Offset  Value

000000          RPB      DSECT                                                  07/20/91
000000          RPBDSINM DS    CL8                 routing name for DSI
000008          RPBSTAT  DS    CL4                 RPB status
00000C          RPBANCH  DS    CL4                 address of the CSA
000010          RPBINIT  DS    CL4                 initialization word
000014          RPBUSTAT DS    CL4                 user status
000018          RPBWORK  DS    3F                  Internal work area
        00024   RPBDSLEN EQU   *-RPB               length of RPB base
```

1.117 #RQCDS

```
                         COPY #RQCDS
                ***
                ***
                ***  RQC:  REQUEST-UNIT-CTRL IDMS USER COMMUNICATION ELEMENT DSECT
                ***                                      11/07/79
                ***

Offset  Value

000000          RQC      DSECT                            02/17/89 13:40:28
000000          RQCTRL   DS    0CL200                   ENTIRE COMMUNICATION ELEMENT
000000          RQCPNAME DS    CL8                      USER PROGRAM NAME
000008          RQCSTAT  DS    0CL4                     ERROR STATUS
000008          RQCSTAT1 DS    CL2                      ERROR STATUS MAJOR CODE
00000A          RQCSTAT2 DS    CL2                      ERROR STATUS MINOR CODE
00000C          RQCDBKEY DS    F                        DBKEY
000010          RQCNAMES DS    5CL16                    NAMES
000060                   ORG   RQCNAMES
000010          RQCREC   DS    CL16                     RECORD NAME
000020          RQCAREA  DS    CL16                     AREA NAME
000030          RQCERST  DS    CL16                     ERROR SET
000040          RQCERRC  DS    CL16                     ERROR RECORD
000050          RQCERAR  DS    CL16                     ERROR AREA
000060          RQCIDBCM DS    0CL100                   IDBMSCOM
        00060   RQCFLOW  EQU   RQCIDBCM-1+1             LOWEST FUNCTION NUMBER
        000C3   RQCFHIGH EQU   RQCIDBCM-1+100           HIGHEST FUNCTION NUMBER
        0009A   RQCB59   EQU   RQCIDBCM-1+59            BIND RUN-UNIT
        0008F   RQCB48   EQU   RQCIDBCM-1+48            BIND RECORD
        00061   RQCFINI  EQU   RQCIDBCM-1+2             FINISH
        00083   RQCRDYLO EQU   RQCIDBCM-1+36            LOWEST READY FUNCTION
        00088   RQCRDYHI EQU   RQCIDBCM-1+41            HIGHEST READY FUNCTION
        00081   RQCGET   EQU   RQCIDBCM-1+34            GET RECORD
        0008A   RQCOBTN  EQU   RQCIDBCM-1+43            OBTAIN (GET)
        000A2   RQCRBCK  EQU   RQCIDBCM-1+67            ROLLBACK
        000B6   RQCKEEP  EQU   RQCIDBCM-1+87            KEEP CURRENT
        000B7   RQCKEEX  EQU   RQCIDBCM-1+88            KEEP EXCLUSIVE CURRENT
000060          RQCTPARM DS    F                        TP INTERFACE PARM AREA
000064          RQCPARM0 DS    F                        USER PARM 0 AREA
000068          RQCPARM1 DS    F                        USER PARM 1 AREA
00006C          RQCPARM2 DS    F                        USER PARM 2 AREA
000070          RQCPARM3 DS    F                        USER PARM 3 AREA
000074          RQCPARM4 DS    F                        USER PARM 4 AREA
000078          RQCPARM5 DS    F                        USER PARM 5 AREA
00007C          RQCPARM6 DS    F                        USER PARM 6 AREA
000080          RQCPARM7 DS    F                        USER PARM 7 AREA
000084          RQCPARM8 DS    F                        USER PARM 8 AREA
000088          RQCLRE   DS    CL44                     LRE AREA
0000B4          RQCLSINO DS    F                        LOCAL SINON IND
0000B8          RQCLCSAA DS    A                        LOCAL SINON ADDRESS  A(LCSA)
0000BC          RQCSINON DS    F                        RU SINON TO DB INDICATOR
0000C0          RQCVIBA  DS    F                        ADDR OF VIB
0000C4          RQCDRDBK DS    F                        DIRDBKEY
        000C8   RQCDSLEN EQU   *-RQC                    LENGTH OF DSECT
```

1.118 #RRBDS

```
                    COPY #RRBDS
             ************************************************************************
             ***                                                                  ***
             ***   RRB: REPORT REQUEST BLOCK                                      ***
             ***                                                                  ***
             ************************************************************************

Offset  Value

000000       RRB      DSECT                          10:07:12 05/21/87   08/11/90
                      PRINT NOGEN
000000       RRBRECD  DS    A                  ADDRESS OF PRINT LINE
000004       RRBRPTID DS    XL1                REPORT ID
             *
             RRBNEWP  #FLAG X'01'              NEWPAGE
             RRBNATV  #FLAG X'02'              NATIVE MODE DATA
             RRBENDR  #FLAG X'04'              END OF REPORT
             RRBDEFC  #FLAG X'08'              USE DEFAULT PRINT CLASS
             RRBDEFB  #FLAG X'10'              USE DEFAULT BUFFER SIZE
             RRBSCR   #FLAG X'20'              PRINT SCREEN CONTENTS
             RRBDEST  #FLAG X'40'              USE DESTINATION INSTEAD OF CLASS
             RRBBATC  #FLAG X'80'              PRINT REQUEST FROM BATCH
             RRBLDNQ  #FLAG X'80'              LINE DATA IS IN NEXT QUEUE BUFFER
000005       RRBOPTNS DS    XL1                OPTIONS
             *
000006       RRBLEN   DS    H                  LENGTH OF PRINT LINE
             *
             *                                 CONDITIONS THE USER WILL HANDLE
             RRBCNER  #FLAG X'01'              QUEUE I/O ERROR
             RRBCNIN  #FLAG X'02'              INVALID PARAMETER LIST
             RRBCNNP  #FLAG X'04'              NO PRINTERS IN SYSTEM
             RRBCNIT  #FLAG X'08'              INVALID TERMINAL FOR PRINT SCREEN
             RRBCNUN  #FLAG X'10'              INVALID DESTINATION
             RRBCNSC  #FLAG X'20'              TERMINAL I/O ERROR IN PRINT SCREEN
             RRBCOPY  #FLAG X'40'              RRBCOPYS IS VALID
             RRBDIRT  #FLAG X'80'              OPTNS=DIRECT
000008       RRBCOND  DS    XL1                CONDITIONS CALLER WILL HANDLE
             *
000009       RRBCLASS DS    X                  PRINT CLASS
00000A       RRBBUFSZ DS    H                  QUEUE BUFFER SIZE
00000C       RRBCOPYS DS    X                  NUMBER OF COPIES
00000D       RRBLTEID DS    0CL8               PRINT DIRECT LTE NAME
00000D       RRBDEST  DS    CL8                DESTINATION NAME
000015                ORG   RRBDEST
00000D                DS    XL3
000010       RRBLTEA  DS    A                  PRINT DIRECT LTE ADDRESS
000014                DS    XL1
000015                ORG
000015       RRBJOBNM DS    CL8                USER SUPPLIED JOB NAME FROM BATCH
             *
             RRBWAIT  #FLAG X'01'              OPTN=WAIT FOR DIRECT PRINTER
             RRBECBA  #FLAG X'02'              CALLER HAS PROVIDED WAIT ECB
             RRBCOUT  #FLAG X'04'              COND=OUTS FOR DIRECT PRINTER
             RRBLTEN  #FLAG X'08'              LTEID IS PRESENT
             RRBLTEA  #FLAG X'10'              LTEADDR IS PRESENT
             RRBCDED  #FLAG X'20'              COND=DEAD FOR DIRECT PRINTER
             RRBCCAN  #FLAG X'40'              COND=CANC FOR DIRECT PRINTER
             RRBCREQ  #FLAG X'80'              COND=REQU FOR DIRECT PRINTER
00001D       RRBOPTN2 DS    XL1                PRINT DIRECT FLAGS
             RRBALLD  #FLAG X'01'              PRINT TO ALL LTERMS IN DEST
             RRBHOLD  #FLAG X'02'              HOLD REPORT
             RRBKEEP  #FLAG X'04'              KEEP REPORT AFTER PRINTING
```

```
                RRBPSRO  #FLAG X'08'               PRINT SCREEN RESET OFF
00001E          RRBOPTN3 DS    X                       STILL MORE FLAGS
00001F                   DS    X                   RESERVED
000020          RRBECBA  DS    A                   CALLERS ECB ADDRESS
000024          RRBPRTY  DS    X                   PRIORITY OF PRINT
                *
        00028   RRBDSLEN EQU   ((*-RRB+3)/4)*4     LENGTH OF DSECT
                         PRINT GEN
```

1.119 #RUADS

```
                         COPY #RUADS
                ***********************************************************************
                ***                                                                 ***
                *** RUA:   SYSTEM RUN UNIT TABLE HEADER DSECT.                      ***
                ***                                                                 ***
                ***********************************************************************

Offset  Value

                         PRINT NOGEN
000000          RUA      DSECT                           06/13/89 11:20:24   10/29/90
000000          RUARUHN  DS    H                   NUMBER OF RUH'S
000002          RUARUHLN DS    H                   LENGTH OF ONE RUH
000004          RUARUHKO DS    H                   OFFSET TO RUH KEY
000006          RUARUHKL DS    X                   LENGTH OF RUH SORT KEY
000007          RUAFLAGT DS    X                   TBLSRCH FLAGS
000008          RUARUHA  DS    A                   START OF RUH'S
00000C          RUALEN   DS    F                   LENGTH OF RUA AND RUH'S FOR DUMP
000010          RUARUEAA DS    A                   START OF THE RUE AREA
000014          RUARUELN DS    F                   LENGTH OF RUE AREA FOR DUMP
        00018   RUADSLEN EQU   ((*-RUA+3)/4)*4     LENGTH OF DSECT.
                ***********************************************************************
                ***                                                                 ***
                *** RUH:   SYSTEM RUN UNIT HEADER DSECT                             ***
                ***                                                                 ***
                ***********************************************************************
000000          RUH      DSECT
000000          RUHTYPE  DS    X                   MAJOR TYPE FOR THESE RU'S
        00001   RUHRTSCR EQU   1                   OLD SCRATCH RUN UNIT (VESTIGAL)
        00002   RUHRTQUE EQU   2                   QUEUE RUN UNIT
        00003   RUHRTLDR EQU   3                   LOADER RUN UNIT (10.X ONLY)
        00004   RUHRTMSG EQU   4                   MESSAGE DICTIONARY RUN UNIT
        00005   RUHRTSGN EQU   5                   SECURITY - USER CATALOG (SIGNON)
        00006   RUHRTDST EQU   6                   SECURITY - SYSTEM DEFINITION
        00006   RUHRTSDF EQU   6                      SAME AS ABOVE
        00007   RUHRTSRC EQU   7                   DDLDML SOURCE RETRIEVAL
        00008   RUHRTUSR EQU   8                   USER RUN UNITS
        00009   RUHRTSDS EQU   9                   SECURITY - SYSTEM DICTIONARY
        0000A   RUHRTSMR EQU   10                  SCRATCH MANAGEMENT RUN UNIT
        0000B   RUHRTDLD EQU   11                  LOADER   - APPLICATION DICTIONARY
        0000C   RUHRTCLD EQU   12                  LOADER   - SQL (DATABASE CATALOG)
        0000D   RUHRTCAT EQU   13                  SECURITY - SQL (DATABASE CATALOG)
        0000E   RUHRTDIC EQU   14                  SECURITY - APPLICATION DICTIONARY
        0000E   RUHRMAXT EQU   RUHRTDIC            HIGHEST VALID TYPE FOR NOW
000001          RUHDBNAM DS    0CL16               NODE/DBNAME FOR THESE RU'S
000001          RUHNODE  DS    CL8                 NODE NAME FOR THESE RUS
000009          RUHDBN   DS    CL8                 DICTIONARY/DBNAME FOR THESE RUS
000011          RUHSSNAM DS    CL8                 SUBSCHEMA NAME
        00019   RUHKEYLN EQU   *-RUHTYPE           LENGTH OF SORT KEY
                RUHOPEN  #FLAG X'80'               RUN UNITS ARE AVAILABLE
                RUHMSG   #FLAG X'40'               'RU NOT AVAIL' MSG WRITTEN
                RUHUPRE  #FLAG X'20'               TRY UPDATE, THEN RETR IF FAILURE
                RUHNOFL  #FLAG X'10'               DON'T ALLOCATE OVERFLOWS
                RUHNRDY  #FLAG X'08'               DON'T ISSUE READY
                RUHNCMT  #FLAG X'04'               DON'T COMMIT ON FREERU
000019          RUHFLAG1 DS    XL1                 FIRST FLAG BYTE
00001A          RUHNRUE  DS    H                   NUMBER OF PREDEFINED RUE'S
00001C          RUHSDCA  DS    A                   ADDRESS OF OWNING SDC
000020          RUHNRUHA DS    A                   NEXT RUH OF THIS TYPE
000024          RUHRUEA  DS    A                   START OF RUE CHAIN
000028          RUHINACT DS    F                   INACTIVE INTERVAL FOR THESE RUS
00002C          RUHALLOC DS    F                   NUMBER OF RU ALLOCATIONS
```

```
000030         RUHFREES DS    F                   NUMBER OF RU FREES
000034         RUHNOVFL DS    F                   NUMBER OF RU OVERFLOWS
000038         RUHNUDEF DS    F                   CNT OF REQUESTS FOR UNDEF RU'S
00003C                  DS    F                   RESERVED
               ***********************************************************************
               *  THE FOLLOWING IS MEANINGFUL FOR SYSTEM RUN UNITS ONLY
               ***********************************************************************
000040         RUHAUSGR DS    XL1                 REQUESTED USAGE MODE
        00025  RUHRETSH EQU   37                  SHARED RETRIEVAL
        00027  RUHRETPR EQU   39                  PROTECTED RETRIEVAL
        00028  RUHRETEX EQU   40                  EXCLUSIVE RETRIEVAL
        00024  RUHUPDSH EQU   36                  SHARED UPDATE (CONCURRENT)
        00026  RUHUPDPR EQU   38                  PROTECTED UPDATE
        00029  RUHUPDEX EQU   41                  EXCLUSIVE UPDATE
000041         RUHAREA  DS    XL18                AREA NAME (BLANK IS ALL)   *PHG SSC*
000053                  DS    XL3                 RESERVED
        00058  RUHDSLEN EQU   ((*-RUH+3)/4)*4     LENGTH OF BASE RUH
               ***********************************************************************
               ***                                                                 ***
               *** RUE:   SYSTEM RUN UNIT ELEMENT DSECT                            ***
               ***                                                                 ***
               ***********************************************************************
000000         RUE      DSECT                            12:45:43 12/21/79
000000         D9E4C55CRUEID    DC    CL4'RUE*'           EYE CATCH
000004         RUERUEA  DS    A                   NEXT RUE IN RUH-RUE CHAIN
000008         RUEORUHA DS    A                   RUH THAT OWNS THESE RUE'S
00000C         RUERCEA  DS    A                   WHO OWNS THIS RUE?
000010         RUELSTTM DS    F                   TICKER AT LAST COMMIT TIME
000014         RUENALOC DS    F                   NUMBER OF TIMES THIS RU ALLOCATED
000018         RUERECB  DS    3A                  INTERNAL REQUEST ECB (BIND/FINISH)
               RUEUSE   #FLAG X'80'               RUE IS IN USE
               RUEOVFL  #FLAG X'40'               OVERFLOW RUE
               RUEOPEN  #FLAG X'20'               RUE IS BOUND
               RUEBIND  #FLAG X'10'               BIND REQUEST PENDING
               RUEFNSH  #FLAG X'08'               FINISH REQUEST PENDING
               RUENOTM  #FLAG X'01'               NO TIME-OUT FOR THIS RU
000024         RUEFLAG  DS    XL1                 FLAG BYTE
               ***********************************************************************
               *  SEE RUHDS FOR USAGE MODE EQUATES
               ***********************************************************************
000025         RUEAMODE DS    XL1                 ACTUAL ACCESS MODE FOR RUN UNIT
000026                  DS    XL2                 RESERVED
000028         RUESSCTL DS    XL300               SUBSCHEMA CONTROL AREA     *PHG SSC*
        00154  RUEDSLEN EQU   ((*-RUE+3)/4)*4     LENGTH OF DSECT
                        PRINT GEN
```

1.120 #SCRWDS

```
                         COPY #SCRWDS
                ***********************************************************************
                ***                                                                 ***
                ***   SCRW:    DSECT FOR SCRATCH WORK AREA                          ***
                ***                                                                 ***
                ***********************************************************************

Offset  Value

                         PRINT NOGEN
000000          SCRW     DSECT                                    14:25:00   11/19/95
000000          SCRWID   DS    CL4'SCRW'           Eyecatcher.
000004          SCRWBUF  DS    A                   START OF I/O BUFFER CHAIN
000008          SCRWLEN  DS    F                   MAP LENGTH
00000C          SCRWLO   DS    F                   LOW PAGE VALUE
000010          SCRWHI   DS    F                   HIGH PAGE VALUE
000014          SCRW#BUF DS    F                   Number of I/O buffers           R140
000018          SCRWIOP  DS    F                   IOP ADDRESS
00001C          SCRWSMAP DS    F                   Retry alloc/dealloc on bitmap   R140
000020                   DS    F                   Reserved                        R140
000024          SCRWPGSZ DS    F                   Real size of a scratch page     R140
000028          SCRWPSIZ DS    F                   MAXIMUM RECORD SIZE PER PAGE
00002C          SCRWRBN  DS    F            REL BLK # OF FIRST PAGE OF AREA W/IN FILE
000030          SCRWKFMT DS    F                   COPY OF VIBKYFMT
        00032   SCRWKML  EQU   SCRWKFMT+2          MAXIMUM LINE NUMBER
        00033   SCRWKBC  EQU   SCRWKFMT+3          BITS (DBKEY) USED FOR LINE NUMBER
                SCRWXSC  #FLAG X'80'               ON IF SCRATCH IN XA STG
                SCRWESA  #FLAG X'40'               Scratch file in ESA cache       R140
                SCRWBFS  #FLAG X'20'               Allocate buffer/IOP with SIA    R140
000034          SCRWFLG1 DS    X                   FLAG BYTE ONE
000035                   DS    XL3                 RESERVED
000038          SCRWESAH DS    A                   ESA cache handle address        R140
00003C          SCRWHWM  DS    F                   HWM Pages allocated
000040          SCRWALOC DS    F                   Number of pages currently in use
                *
                *  STATISTICS
000044          SCRWSHIC DS    F                   #WAIT HICCUP counter            R140
000048          SCRWSWI  DS    F                   PAGE WRITE STATISTIC I/O DONE
00004C          SCRWSWS  DS    F                   STOLEN PAGE NEEDED WRITING
000050          SCRWSRI  DS    F                   PAGE READ STATISTIC I/O DONE
000054          SCRWSPF  DS    F                   PAGE FOUND IN BUFFER
000058          SCRWSNP  DS    F                   NEW PAGE ALLOCATED
00005C          SCRWSFC  DS    F                   PAGES FOUND IN CACHE            R140
000060          SCRWSP   DS    F                   PUTSCR STATISTIC
000064          SCRWSG   DS    F                   GETSCR STATISTIC
000068          SCRWSD   DS    F                   DELSCR STATISTIC
                *                                                                  R140
                *  Additional statistics                                           R140
00006C          SCRWTSIA DS    F                   Total number of SIA created     R140
000070          SCRWCSIA DS    F                   Current number of SIA's         R140
000074          SCRWHSIA DS    F                   HWM SIA's                       R140
000078          SCRWHPUS DS    F                   HWM page used  by 1 SIA         R140
00007C          SCRWHWI  DS    F                   HWM page write by 1 SIA         R140
000080          SCRWHRI  DS    F                   HWM page read  by 1 SIA         R140
000084          SCRWHPF  DS    F                   HWM page found by 1 SIA         R140
                *                                                                  R140
000088          SCRWPP   DS    0D                  START OF ALLOCATION MAP
        00088   SCRWHLN  EQU   *-SCRW              HEADER LENGTH
                *  I/O BUFFER HEADER EQUATES
        00000   SCB      EQU   0                   START OF BUFFER HEADER
        00000   SCBNEXT  EQU   0                   NEXT BUFFER ADDRESS
        00004   SCBFLAG  EQU   4                   FLAG BYTE
```

```
00080  SCBFW    EQU   X'80'              UPDATED BUFFER FLAG
00040  SCBFPV   EQU   X'40'              PAGE IN THE BUFFER IS VALID
00008  SCBSPARE EQU   8                   SPARE FROM HERE TO PAGE START
00018  SCBPAGE  EQU   24                  PAGE NUMBER IS FIRST WORD OF PAGE
00018  SCBLEN   EQU   24                  THIS IS NOT A COINCIDENCE
                PRINT GEN
```

1.121 #SCTDS

```
                         COPY #SCTDS
                 ************************************************************************
                 ***                                                                  ***
                 *** SCT:   Storage Control Table                                     ***
                 ***                                                                  ***
                 ************************************************************************

Offset  Value

000000           SCT      DSECT                                                  01/25/98
                          PRINT NOGEN
000000           SCTSTART DS    A                    ->1st page of storage in pool
000004           SCTEND   DS    A                    ->last byte+1 of storage in pool
000008           SCTFST   DS    A                    ->1st SCM word in pool
00000C           SCTLST   DS    A                    ->last SCM word in pool
000010           SCTFSTAV DS    A                    ->1st SCM in pool with free space
000014           SCTNSCTA DS    A                    ->next SCT
000018           SCTRELTH DS    F                    Relo threshold, in pages
00001C           SCTSIZE  DS    F                    Number of pages in pool
000020           SCTUSE   DS    F                    Number of pages currently allocated
000024           SCTUSEHI DS    F                    HWM of pages allocated
000028           SCTSOS   DS    F                    Number of times SOS
00002C           SCTCUSHN DS    F                    Number of pages in cushion reserve
                 *
000030           SCTPNUM  DS    XL1                  Storage pool number:
         00080   SCTXAPNM EQU   128                     >= 128 are XA pools
         00080   SCTMAX#  EQU   128                     Max 128 non-XA and 128 XA pools
                 *
                 SCTTSHA  #FLAG X'80'                Shared
                 SCTTSHK  #FLAG X'40'                Shared-Kept
                 SCTTUSR  #FLAG X'20'                User
                 SCTTUSK  #FLAG X'10'                User-Kept
                 SCTTTRM  #FLAG X'08'                Terminal
                 SCTTDBA  #FLAG X'04'                Database
                 SCTTSYS  #FLAG X'02'                System  (pools 0/255 only)
                 SCTTALL  #FLAG SCTTSHAM+SCTTSHKM+SCTTUSRM+SCTTUSKM+SCTTTRMM+SCTTDBAM
                 SCTTUSE  #FLAG SCTTSHAM+SCTTSHKM+SCTTUSRM+SCTTUSKM Any type of User
000031           SCTTYPE  DS    XL1                  Type(s) of storage allowed in pool
         00007   SCTTYP#  EQU   7                    Known types of storage
                 *
                 SCTEXTE  #FLAG X'08'                SCT is an extension
                 SCTDYNA  #FLAG X'04'                Dynamically added SCT
                 SCTFSOS  #FLAG X'02'                SCT is SOS
                 SCTPGFX  #FLAG X'01'                On=PGFIX, Off=NOPGFIX
000032           SCTFLAG1 DS    XL1                  General flag byte
000033                    DS    XL1                  -reserved-
                 *
000034           SCTSTGET DS    F                    Total #GETSTG requests
000038           SCTSTFRE DS    F                    Total #FREESTG requests
00003C           SCTSTSC1 DS    F                    # of Scan 1 successes
000040           SCTSTSC2 DS    F                    # of Scan 2 successes
000044           SCTSTPGR DS    F                    # PGRLSEs issued
000048           SCTSTPGF DS    F                    # pages PGRLSEd
00004C           SCTSTFXC DS    F                    # PGFIXs issued
000050           SCTSTFXP DS    F                    # pages PFIXd
000054           SCTSTFRC DS    F                    # PGFREEs issued
000058           SCTSTFRP DS    F                    # pages PGFREEd
00005C           SCTLISTA DS    2A                   Anchor for list of SMT addresses
                 *
                 *   The following 3 words are used by WAIT(GOTOUSER) as work
                 *   fields when it builds the CSV page list.
                 *
000064           SCTCSVVW DS    F                    Validates CSVLO/CSVHI
```

```
Offset  Value

000068          SCTCSVLO DS    F                   Lopage in CSV list
00006C          SCTCSVHI DS    F                   Hipage in CSV list
                *
000070          SCTFSTEP DS    A                   ->1st empty SCM word in pool
000074          SCTUSEHP DS    F                   SCM FOR HIGHEST EVER USED PAGE
000078          SCTSMTL  DS    (SCTTYP#)F          List of SMT's
000094                   DS    3F                  -RESERVED-
0000A0                   DS    0D                  Alignment
        000A0   SCTDSLEN EQU   *-SCT               sizeof(SCT)
                ************************************************************************
                ***                                                                  ***
                *** SCM:   Storage Control Map                                      ***
                ***                                                                  ***
                ***        Immediately follows the SCT                               ***
                ***                                                                  ***
                ***        Each word in the map represents one virtual storage       ***
                ***        page with each bit mapping a 128-byte block. A bit        ***
                ***        is turned on to indicate that the block is allocated      ***
                ***        and off to indicate that it is available. The number      ***
                ***        of fullwords in the map is indicated by the field         ***
                ***        SCTSIZE in the owning SCT.                                ***
                ***                                                                  ***
                ************************************************************************
        00004   SCMELEN  EQU   4                   Length of one SCM entry
                ************************************************************************
                ***                                                                  ***
                *** SFP:   Storage Frame Prefix                                     ***
                ***                                                                  ***
                ************************************************************************
        00000   SFPRCEA  EQU   0,4,C'A'            RCE address
        00004   SFPLTH   EQU   4,4,C'F'            sizeof(allocation), incl SF$LEN.
        00008   SFPUSTG  EQU   8,1,C'X'            Start of storage
        00008   SFP$LEN  EQU   8                   sizeof(prefix)
                ************************************************************************
                ***                                                                  ***
                *** SFS:   Storage Frame Suffix                                     ***
                ***                                                                  ***
                ************************************************************************
        00000   SFSRCEA  EQU   0,4,C'A'            RCE address
        00004   SFS$LEN  EQU   4                   sizeof(suffix)
                *
        0000C   SF$LEN   EQU   SFP$LEN+SFS$LEN     Storage framing info overhead
                         PRINT GEN
```

1.122 #SEGDS

```
                         #DMCLDS TYPE=SEGDS
                ********************************************************************

                *        SEG (SEGMENT) runtime DMCL control block                  *
                ********************************************************************
Offset  Value

000000          SEG      DSECT                           12/13/89 11:30:00
000000          SEG49    DS    CL4       'SG49'
000004          SEGFLAG1 DS    XL1       flag 1
        00010   SEGNTWK  EQU   X'10'       -  Network Segment
        00020   SEGRELA  EQU   X'20'       -  Relational Segment
000005          SEGFLAG2 DS    XL1       flag 2
        00008   SEGDROP  EQU   X'08'       -  VARY DMCL detected DROPPED SEGMENT
        00004   SEGNEW   EQU   X'04'       -  VARY DMCL detected NEW SEGMENT
        00002   SEGVARY  EQU   X'02'       -  VARY DMCL caused this SG49 to VARY
        00001   SEGDEAD  EQU   X'01'       -  VARY DMCL made this SG49 DEAD
000006          SEGNAME  DS    CL8       SEGMENT name
00000E          SEGDTIME DS    CL8       DATETIME stamp
000016          SEGPGRUP DS    H         PAGE GROUP
000018          SEGDBKFM DS    F         DBKEY format word
00001C          SEGSNAME DS    CL8       SCHEMA name
000024          SEGSVERS DS    H         SCHEMA version
000026                   DS    H         reserved
000028          SEGDMN   DS    A         next in DM58-SG49
00002C          SEGPRN   DS    A         next in SG49-PR60
000030          SEGFCN   DS    A         next in SG49-FC59
000034          SEGPRC   DS    A         IDMSBLDR current PR60 (used only at startup)
000038          SEGFCC   DS    A         IDMSBLDR current FC59 (used only at startup)
00003C          SEGEND   DS    0F        end of DSECT
        0003C   SEGDSLEN EQU   *-SEG     length of DSECT
```

1.123 #SIADS

```
                         COPY #SIADS
                 ***********************************************************************
                 ***                                                                 ***
                 ***   SIA:     DSECT FOR SCRATCH INDEX AREA                         ***
                 ***                                                                 ***
                 ***********************************************************************

Offset  Value

                         PRINT NOGEN
000000           SIA      DSECT                                    11:08:00   05/08/95
000000           E2C9C15CSIALABEL DC    CL4'SIA*'           IDENTIFIER            *RBK 850716
000004           SIADBK   DS    F                   KEY OF LAST RCD STRD IN AREA
000008           SIASIEN  DS    F                   TOTAL NUMBER OF SIE'S IN SIA
00000C           SIASIEU  DS    F                   NUMBER OF SIE'S IN USE
000010           SIASIESA DS    A                   ADDRESS OF LAST BLOCK OF SIE'S
000014           SIASIEBA DS    A                   START OF ACTIVE SIE LIST
000018           SIASIELA DS    A                   END OF ACTVIE SIE LIST
00001C           SIASIECA DS    A                   ADDRESS OF CURRENT SIE
000020           SIASIDBA DS    A                   START OF DELETED SIE LIST
000024           SIASIDLA DS    A                   END OF DELETED SIE LIST
000028           SIASIENA DS    A                   ADDRESS OF NEXT AVAILABLE SIE
00002C           SIASISBA DS    A                   START OF SAVED SIE LIST
000030           SIASISLA DS    A                   END OF SAVED SIE LIST
                 SIAPUT   #FLAG X'01'               #PUTSCR REQUEST
                 SIAGET   #FLAG X'02'               #GETSCR REQUEST
                 SIADEL   #FLAG X'04'               #DELSCR REQUEST
                 SIAPRE   #FLAG X'08'               PREVIOUS RECORD
                 SIANXT   #FLAG X'10'               NEXT RECORD
                 SIACUR   #FLAG X'20'               CURRENT RECORD
                 SIALST   #FLAG X'40'               LAST RECORD
                 SIAFST   #FLAG X'80'               FIRST RECORD
                 SIAALL   #FLAG X'F8'               #DELSCR SRID=ALL REQUEST
                 SIAREP   #FLAG X'F9'               #PUTSCR REPLACE=YES
000034           SIASIEPF DS    XL1                 PREVIOUS FUNCTION INDICATOR
                 SIASVPT  #FLAG X'80'               This SIA is Savepointable.
000035           SIAFLAG1 DS    XL1                 SIA FLAGS - BYTE 1
000036                    DS    XL2                 -reserved-
000038           SIASPLA  DS    A                   PAGE LIST ADDRESS
00003C           SIASPLN  DS    F                   TOTAL ENTRIES IN PAGE LIST
000040           SIASPLU  DS    F                   NUMBER OF ENTRIES IN USE
000044           SIARCEA  DS    A                   ADDR OF RCE            *RBK 850716
000048           SIASAID  DS    CL18                NAME OF THIS SCRATCH AREA
00005A                    DS    XL2                 -reserved-
00005C           SIASIECS DS    A                   SIECA at last quiesce point.
000060           SIAIOP   DS    A                   IOP address                     R140
000064           SIABUF   DS    A                   Start of I/O buffer chain       R140
                 *
000068           SIA#WI   DS    F                   Number of page write I/O        R140
00006C           SIA#RI   DS    F                   Number of page read I/O         R140
000070           SIA#PF   DS    F                   Number of page found in buffer  R140
                 *
        00074    SIADSLEN EQU   ((*-SIA+3)/4)*4     LENGTH OF DSECT IN BYTES
                 ***********************************************************************
                 ***                                                                 ***
                 ***   SIE:     DSECT FOR SCRATCH INDEX ELEMENT                      ***
                 ***                                                                 ***
                 ***********************************************************************
000000           SIE      DSECT
000000           SIESRID  DS    F                   SCRATCH RECORD ID
000004           SIENEXTA DS    A                   NEXT SIE IN SCRATCH AREA
000008           SIEPREVA DS    A                   PRIOR SIE IN SCRATCH AREA
```

```
00000C         SIEDBK   DS    F                   DATA BASE KEY
000010         SIESPU   DS    H                   SPACE USED
000012         SIECNT   DS    X                   COUNT OF SIE'S FOR THIS SRID
               SIEFBEF  #FLAG X'80'               THIS IS A 'BEFORE' IMAGE
               SIEFBDL  #FLAG X'40'               DELETE THIS IMAGE AT COMMIT
               SIEFSAV  #FLAG X'20'               THIS IMAGE BELONGS TO SAVE POINT
               SIEFSVC  #FLAG X'10'               Current SIE at SetSavepoint.
000013         SIEFLG   DS    X                   FLAG BYTE
        00014  SIEDSLEN EQU   *-SIE               LENGTH OF DSECT IN BYTES
               ************************************************************************
               ***                                                                  ***
               ***   SPLE:    DSECT FOR SCRATCH PAGE LIST ENTRY                     ***
               ***                                                                  ***
               ************************************************************************
000000         SPLE     DSECT
000000         SPLEPAGN DS    F                   PAGE NUMBER
000004         SPLESPAC DS    H                   SPACE AVAILABLE ON PAGE
000006         SPLEUCNT DS    H                   NUMBER OF SIE'S USING THIS PAGE
000008         SPLEMIDX DS    H                   NUMBER OF ENTRIES IN LINE INDEX
               SPLECMP  #FLAG X'80'               ON = PAGE NEEDS COMPRESS
00000A         SPLEFLG1 DS    X                   FLAG BYTE ONE
00000B                  DS    X                   RESERVED
        0000C  SPLELEN  EQU   *-SPLE              LENGTH OF SPL ENTRY
                        PRINT GEN
```

1.124 #SLLDS

```
                         COPY #SLLDS
                ********************************************************************
                ***                                                              ***
                *** SLL:   LIBRARY DEFINITION TABLE HEADER                       ***
                ***                                                              ***
                ********************************************************************

Offset  Value

000000          SLL      DSECT                          10/16/89 11:35:34   09/28/90
000000          SLLNSLE  DS    H                   NUMBER OF SLE'S IN USE
000002          SLLESIZE DS    H                   NUMBER OF BYTES IN ONE ENTRY
000004          SLLKEYOF DS    H                   OFFSET OF KEY IN ENTRY
000006          SLLKEYL  DS    XL1                 LENGTH OF KEY IN BYTES
000007          SLLTABFL DS    XL1                 FLAG FOR TABLE SEARCH
000008          SLLSLEBA DS    A                   ADDRESS OF FIRST LSE IN POOL
00000C          SLLFREEA DS    A                   ADDRESS OF NEXT AVAILABLE SLE
000010          SLLECNT  DS    H                   TOTAL NUMBER OF SLE'S
000012          SLLSECNT DS    H                   SLE'S IN SECONDARY ALLOCATION
000014          SLLCDMSA DS    A                   ADDRESS OF SLE FOR CDMSLIB
000018                   DS    2F                  THE EVER POPULAR RESERVED
        00020   SLLDSLEN EQU   ((*-SLL+3)/4)*4     LENGTH OF LIB TABLE HEADER
                ********************************************************************
                ***                                                              ***
                *** SLE:   LIBRARY DEFINITION TABLE ELEMENT                      ***
                ***                                                              ***
                ********************************************************************
000000          SLE      DSECT
000000          SLEKEY   DS    0F                  START OF LIBRARY DEF KEY
000000          SLENODE  DS    CL8                 DICTIONARY NODE
000008          SLEDBN   DS    CL8                 DICTIONARY NAME
000010          SLEDDNAM DS    0CL8                DDNAME FOR LOADLIBS
000010          SLELIBN  DS    CL8                 LIBRARY NAME FOR CATALOG/DICT
000018          SLETYPE  DS    H                   LIBRARY TYPE CODE
        0001A   SLEKEYLN EQU   *-SLE               LENGTH OF SLE KEY
00001A                   DS    H                   RESERVED
        00003   SLTELOD  EQU   3                     OPSYS LOAD LIBRARY
        00001   SLTEDIC  EQU   1                     CATALOG/DICTIONARY LIBRARY
        00019   SLETYPEB EQU   SLETYPE+1           TYPE BYTE FOR QUICK CHECKS
00001C          SLEMASK  DS    0H                  ELIGIBILTY MASK
                ********************************************************************
                *  USE MASKS IN LHRDS TO TEST/SET INDIVIDUAL BITS IN THIS FLAG BYTE  *
                ********************************************************************
00001C          SLEMASK1 DS    XL1
                ********************************************************************
                *  USE MASKS IN PDEDS TO TEST/SET INDIVIDUAL BITS IN THIS FLAG BYTE  *
                ********************************************************************
00001D          SLEMASK2 DS    XL1
00001E                   DS    H                   UNUSED
000020          SLEDATIM DS    CL8                 TIME/DATE OF LAST GRANT/REVOKE
000028                   DS    F                   RESERVED
        0002C   SLEDSLEN EQU   ((*-SLE+3)/4)*4     LENGTH OF LIB TABLE ENTRY
```

1.125 #SMTDS

```
                    COPY #SMTDS
             ********************************************************************
             ***                                                              ***
             *** SMT:   STORAGE MANAGEMENT TABLE DSECT                        ***
             ***                                                              ***
             ********************************************************************

Offset  Value

000000         SMT      DSECT                           15:06:16 02/10/86   10/28/92
               SMTTSHA  #FLAG X'80'               ..SHARED
000000         SMTTSHAI DS    0XL1
        00080  SMTTSHAM EQU   X'80'
               SMTTSHK  #FLAG X'40'               ..SHARED-KEEP
000000         SMTTSHKI DS    0XL1
        00040  SMTTSHKM EQU   X'40'
               SMTTUSR  #FLAG X'20'               ..USER
000000         SMTTUSRI DS    0XL1
        00020  SMTTUSRM EQU   X'20'
               SMTTUSK  #FLAG X'10'               ..USER-KEEP
000000         SMTTUSKI DS    0XL1
        00010  SMTTUSKM EQU   X'10'
               SMTTTRM  #FLAG X'08'               ..TERMINAL
000000         SMTTTRMI DS    0XL1
        00008  SMTTTRMM EQU   X'08'
               SMTTDBA  #FLAG X'04'               ..DATABASE
000000         SMTTDBAI DS    0XL1
        00004  SMTTDBAM EQU   X'04'
               SMTTSYS  #FLAG X'02'               ..SYSTEM
000000         SMTTSYSI DS    0XL1
        00002  SMTTSYSM EQU   X'02'
               SMTTNUS  #FLAG SMTTTRMM+SMTTDBAM+SMTTSYSM Non-USER
000000         SMTTNUSI DS    0XL1
        0000E  SMTTNUSM EQU   SMTTTRMM+SMTTDBAM+SMTTSYSM
000000         SMTTYPE  DS    XL1                 STORAGE TYPE
               SMTABOV  #FLAG X'80'               ..LOCATION ABOVE 16 MEG
000001         SMTABOVI DS    0XL1
        00080  SMTABOVM EQU   X'80'
               SMTBELO  #FLAG X'40'               ..LOCATION BELOW 16 MEG
000001         SMTBELOI DS    0XL1
        00040  SMTBELOM EQU   X'40'
000001         SMTSLOC  DS    XL1                 STORAGE LOCATION, BELOW OR ABOVE
000002         SMTCNT   DS    H                   COUNT OF SCT'S IN LIST
000004         SMTNSMTA DS    A                   ADDRESS OF NEXT SMT ENTRY
000008         SMTLSCTA DS    A                   ADDRS OF LAST SCT ALLOCATED
00000C         SMTREQST DS    F                   NUMBER OF REQUESTS FOR STG TYPE
000010         SMTSSECB DS    3F                  SHORT-ON-STORAGE ECB
00001C         SMTLISTA DS    A                   POINTER TO LIST OF SCT ADDRESSES
000020         SMTNHDRA DS    A                   ADDRESS OF NEXT HEADER.
        00024  SMTDSLEN EQU   ((*-SMT+3)/4)*4     LENGTH OF HEADER FIXED PART.
```

1.126 #SONDS

```
                        COPY #SONDS

Offset  Value

000000          SON      DSECT                           05/24/90 10:47:01   01/27/95
                ************************************************************************
                * SIGNON ELEMENT
                ************************************************************************
000000          SONIDLEN DS    X                   Length of user-id for #WTL's
000001          SONUSRID DS    0CL18               User-id (blank padded on right)
000001          SONUSRVM DS    CL24                User-id for VM
000019                   DS    CL8                 Filler for 32-byte compatibility
000021          SONPRIO  DS    X                   User's priority
000022          SONSECTY DS    CL32                Security bit pattern (ACF2)
000042          SONINCOD DS    CL32                Installation-defined code
000062          SONHASHP DS    CL8                 Encrypted password
00006A          SONUSE   DS    H                   Use count
00006C          SONLTEA  DS    2A                  LTE chain anchor
000074          SONGRPL  DS    A                   GROUP/AUTHID list address
000078          SONACEE  DS    A                   Access control element (external)
00007C          SONCATM  DS    A                   Category map address
000080          SONAPPM  DS    2A                  Application activity bitmap anchor
000088          SONFREEA DS    0A                  Next in free SON list
000088          SONEXPNA DS    A                   Next in SON expiration list
00008C          SONEXPPA DS    A                   Prior in SON expiration list
000090                   DS    A                   Reserved                        R140
000094          SONLOCK  DS    F                   SON lock word                   R140
000098          SONSONA  DS    A                   Address of SON
                ***
                ***  This equate is used to dummy up LTESONRC.  Programs using that
                ***  field to find the SON will actually load the SON address from
                ***  SONSONA.
                ***
        0008C   SONRCE   EQU   SONSONA-(RCESONA-RCE)
00009C          SONLEVEL DS    H                   Security level
00009E                   DS    X                   Reserved
                SONF1NF  #FLAG X'80'                 User not in USER catalog
00009F          SONF1NFI DS    0XL1
        00080   SONF1NFM EQU   X'80'
                SONRETN  #FLAG X'40'                 Retain this SON
00009F          SONRETNI DS    0XL1
        00040   SONRETNM EQU   X'40'
                SONPSCK  #FLAG X'20'                 Password check needed
00009F          SONPSCKI DS    0XL1
        00020   SONPSCKM EQU   X'20'
                SONEUPR  #FLAG X'02'                 process ERUS user profiles
00009F          SONEUPRI DS    0XL1
        00002   SONEUPRM EQU   X'02'
                SONESPR  #FLAG X'01'                 process ERUS system profiles
00009F          SONESPRI DS    0XL1
        00001   SONESPRM EQU   X'01'
00009F          SONFLAG1 DS    XL1                 SON flag byte one
0000A0          SONEXPIR DS    F                   SON expiration time
0000A4          SONSCHKC DS    F                   Total calls to security
0000A8          SONFAILC DS    F                   Failing security calls
0000AC          SONUPROF DS    CL18                User profile name
0000BE          SONSPROF DS    CL18                System profile name
        000D0   SONDSLEN EQU   *-SON
```

1.127 #SPCDS

```
                    COPY #SPCDS
          ***
          ***
          ***  SPC:    SUB BUFFER POOL CONTROL ELEMENT DSECT
          ***
          ***

Offset  Value

000000          SPC      DSECT                          04/28/89 09:30:17   07/23/92
000000          SPCID    DS    CL4                SPC literal
000004          SPCBCO   DS    A                  owning BC53
000008          SPCBPCO  DS    A                  owning BPC
00000C                   DS    A
000010          SPCBPCN  DS    A                  next BPC in BP/SP
000014                   DS    A
000018          SPCBPCP  DS    A                  prior BPC in BP/SP
00001C                   DS    A
000020          SPCFSCN  DS    A                  next FSC in SP/FS
000024                   DS    A
000028          SPCFSCP  DS    A                  prior FSC in SP/FS
00002C                   DS    A
000030          SPCLOAT  DS    A                  low activity buffer
000034                   DS    A
000038          SPCBMEN  DS    A                  address of next BME
00003C                   DS    A
000040          SPCBMEP  DS    A                  address of prior BME
000044                   DS    A
000048          SPCECBA  DS    3F                 sub pool ECB
000054          SPCWAIT  DS    F                  number of WAITS
000058          SPCFLAG1 DS    0X                 first flag byte
                SPCIO    #FLAG X'80'              I/O SUB POOL
000058          SPCIOI   DS    0XL1
        00080   SPCIOM   EQU   X'80'
000058          SPCFLAG2 DS    X                  second flag byte
000059          SPCFLAG3 DS    X                  third flag byte
00005A          SPCFLAG4 DS    X                  fourth flag byte
00005C          SPCSTGL  DS    A                  storage list
000060          SPCTRNX  DS    A                  Next trace entry
000064          SPCTRST  DS    A                  Start of the trace area
000068          SPCTRND  DS    A                  End of the trace area
00006C                   DS    A                  not used
000070          SPCNXTIO DS    A                  Next BME in I/O chain
000074                   DS    3A                 not used
        00080   SPCDSLEN EQU   ((*-SPC+7)/8)*8    Double word aligned
```

1.128 #SQLCA

```
                        #SQLCA

Offset  Value

                **================================================================**
                *                                                                  *
                *                 SQL Communications Area                          *
                *                                                                  *
                **================================================================**
000080          SQLCA    DS    0F
000080          E2D8D3C3C15C4040SQLCAID  DC    CL8'SQLCA*'         Eyecatcher.
000088          00000000SQLCODE  DC    F'0'                Exception code.
00008C          0000000000000000SQLCSID  DC    2F'0'               Session identifier.
000094          00000000SQLCERC  DC    F'0'                Server dependent error code.
000098          00000000SQLCSVER DC    F'0'                Server code version
00009C          00000000SQLCNRP  DC    F'0'                Number of rows processed.
0000A0          00000000         DC    F'0'                -reserved-
0000A4          00000000SQLCSER  DC    F'0'                Error offset.
0000A8          00000000         DC    F'0'                -reserved-
0000AC          00000000SQLCLNO  DC    F'0'                Source file line number.
0000B0          00000000SQLCMCT  DC    F'0'                Error message count.
0000B4          00000000SQLCOPTS DC    F'0'                Session options.
0000B8          00000000SQLCFJB  DC    F'0'                Number of free journal buffers.
0000BC          00000000SQLCPCID DC    F'0'                SYSPCH Cursor id
0000C0          00000000SQLCLCID DC    F'0'                SYSLST Cursor id
0000C4          00000000SQLCERL  DC    F'0'                Length of error message.
0000C8          0000000000000000SQLCERM  DC    XL256'00'           Text of error message.
0001C8          F0F0F0F0F0SQLSTATE DC    CL5'00000'          SQLSTATE.
0001CD          0000000000000000         DC    XL11'00'            -reserved-
        00158   SQLCALEN EQU   ((*-SQLCA+3)/4)*4   Length of SQLCA.
                *
```

1.129 #SQLCIB

```
                    #SQLCIB

Offset  Value

000080          00000000SQLCIB   DC    A(0)                Command number.
000084          00000000         DC    A(0)                Length of SQL statement string.
000088          00000000         DC    A(0)                Parm bit flags.
00008C          00000000         DC    AL1(0,0,0,0)             Session options.
000090          00000000         DC    A(0)                Length of tuple buffer row.
000094          00000000         DC    A(0)                Length of parm buffer.
000098          00000000         DC    A(0)                Cursor identifier.
00009C          00000000         DC    A(0)                Section identifier.
0000A0          00000000         DC    A(0)                BULK start row.
0000A4          00000000         DC    A(0)                BULK number of rows.
0000A8          00000000         DC    A(0)                BULK max rows.
0000AC          00000000         DC    A(0)                # SQLVAR entries in SQLDAo.
0000B0          00000000         DC    A(0)                Source file line number.
0000B4          00000000         DC    A(0)                # SQLVAR entries in SQLDAi.
0000B8          00000000         DC    A(0)                -reserved-
```

1.130 #SQLDA

```
                        #SQLDA

Offset  Value

                **================================================================**
                *                                                                  *
                *                 SQL Descriptor Area                              *
                *                                                                  *
                **================================================================**
000214          SQLDA    DS    0F
000214          E2D8D3C4C1404040SQLDAID  DC    CL8'SQLDA'          Eyecatcher.
00021C          00000000SQLDSQLN DC    F'0'                Maximum number of SQLVARs (user).
000220          00000000SQLDSQLD DC    F'0'                Actual number of SQLVARs  (system).
000224          SQLDSQLV DS   0F   ...             SQLVAR array:
        00010   SQLDALEN EQU   ((*-SQLDA+3)/4)*4   Length of SQLDA, sans SQLVARs.
000224                   DC    (0*48)X'00'          SQLVAR array
                *
```

1.131 #SQLPIB

```
                        #SQLPIB

Offset  Value

                **================================================================**
                *                                                                  *
                *                 SQL Program Information Block                    *
                *                                                                  *
                **================================================================**
000224          SQLPIB   DS    0F
000224          4040404040404040SQPIBOWN DC    CL18' ',CL14' '     Program section owner.
000244          4040404040404040SQPIBAMN DC    CL8' ',CL24' '      Access Module name.
000264          4040404040404040SQPIBPGM DC    CL8' ',CL24' '      Program name.
000284          SQPIBPVD DS   0CL32                Program variables:
000284          F0F0F0F2SQPIBVER DC    CL4'0002'              Version identifier.
                SQP#VER2 EQU   C'0002'             Client using version 2 protocol
000288          4040404040404040SQPIBDTS DC    CL20' '                Program compile stamp.
00029C          40404040404040         DC    CL7' '                 reserved
0002A3          00SQPIBDB2 DC    XL1'00'
        000F1   SQP#D2ST EQU   X'F1'               Client is DB2SourceTransparent
        00080   SQLPIBLN EQU   ((*-SQLPIB+3)/4)*4  Length of PIB.
                *
```

1.132 #SQLRPB

```
                        #SQLRPB

Offset  Value

               **================================================================**
               *                                                                *
               *                 DSI Request Parameter Block                    *
               *                                                                *
               **================================================================**
0002A4         SQLRPB   DS    0F
0002A4         4040404040404040SQRPBNAM DC    CL8' '              DSI router mnemonic.
0002AC         00000000SQRPBSTA DC    F'0'                Status word.
0002B0         00000000SQRPBCSA DC    A(0)                -→CSA.
0002B4         40404040SQRPBCOD DC    CL4' '              Codeword.
0002B8         00000000SQRPBUST DC    F'0'                User return code.
0002BC         0000000000000000SQRPBWRK DC    3F'0'               Internal work area.
        00024  SQLRPBLN EQU   ((*-SQLRPB+3)/4)*4  Length of RPB.
               *
```

1.133 #SQLSSI

```
                        #SQLSSI

Offset  Value

                **================================================================**
                *                                                                  *
                *                 SQL Session Identifier Block                     *
                *                                                                  *
                **================================================================**
0002C8          SQLSSI   DS    0F
0002C8          40404040SQSSICOD DC    CL4' '              Codeword.
0002CC          00000000SQSSIANC DC    A(0)                Client anchor.
        00008   SQLSSILN EQU   ((*-SQLSSI+3)/4)*4  Length of SSI.
                *
```

1.134 #SQLVAR

```
                        #SQLVAR

Offset  Value

                **================================================================**
                *                                                                  *
                *                 SQLDA Column Descriptor                          *
                *                                                                  *
                **================================================================**
000000          SQLVAR   DSECT                           06/08/89 14:29:44   11/02/90
000000          SQLVLEN  DS    F                   Column length.
000004          SQLVDTY  DS    H                   Datatype.
000006          SQLVSCA  DS    H                   Scale.
000008          SQLVPRE  DS    H                   Precision.
00000A          SQLVALN  DS    H                   Column alignment:
                *                                     0 - no alignment
                *                                     1 - align by datatype
00000C          SQLVNAL  DS    H                   Null indicator alignment:
                *                                     0 - no alignment
                *                                     1 - align by SQLVNUL
00000E          SQLVNUL  DS    H                   Length of null indicator:
                *                                     0 - null indicator not present
                *                                     1 - one-byte indicator
                *                                     2 - two-byte indicator
                *                                     4 - four-byte indicator
000010          SQLVNAM  DS    CL32                Column name.
        00030   SQLVARLN EQU   *-SQLVAR             Length of SQLVAR.
```

1.135 #SRBDS

```
                         COPY #SRBDS
                ********************************************************************
                ***   SEND MESSAGE REQUEST BLOCK                                 ***
                ********************************************************************

Offset  Value

000000          SRB      DSECT                           12:47:59 04/29/85
                         PRINT NOGEN                     13:52:21 02/20/82
000000          SRBRECA  DS    A                   RECORD ADDRESS
000004          SRBIDA   DS    A                   ADDRESS OF IDENTIFIER
000008          SRBRECL  DS    H                   RECORD LENGTH
                *
                SRBALWY  #FLAG X'01'               ALWAYS QUEUE MESSAGE
                SRBMAP   #FLAG X'01'               BLAST ONLY 3270S
                SRBUSER  #FLAG X'02'               IDENTIFIER IS USER ID
                SRBDEST  #FLAG X'04'               IDENTIFIER IS DEST LIST
                SRBLTEN  #FLAG X'08'               IDENTIFIER IS LTE NAME
                SRBLAST  #FLAG X'10'               THIS IS A BLAST REQUEST
                SRBLTEA  #FLAG X'20'               IDENTIFIER IS LTE ADDRESS
                SRBOUND  #FLAG X'40'               BINDS HAVE BEEN DONE
                *                                  THE FOLLOWING FLAG WILL ONLY BE
                *                                  IN EFFECT IF SRBLTEA IS ON
                SRBDQMS  #FLAG X'80'               DEQUEUE MESSAGE FROM LTE
00000A          SRBOPTNS DS    XL1                 OPTIONS
                SRBIOER  #FLAG X'01'               I/O ERROR ON PUTQUE IS CONDITIONAL
                SRBINVP  #FLAG X'02'               INVALID PARM LIST IS CONDITIONAL
                SRBUNDF  #FLAG X'04'               UNDEFINED IDENTIFIER CONDITIONAL
                SRBPURG  #FLAG X'80'               FREE THE LAST ACQUIRED BLAST LTE
                *                                  (CALLER DOESN'T WANT IT)
00000B          SRBCOND  DS    XL1                 CONDITIONS CALLER WILL HANDLE
        0000C   SRBDSLN1 EQU   *-SRB               LENGTH WITHOUT BLAST FIELDS
                * THE FOLLOWING FIELDS APPLY TO 'BLAST' MESSAGE ONLY
00000C          SRBSSCA  DS    A                   ADDRESS OF SSCTRL
000010          SRBTRBA  DS    A                   ADDRESS OF TRB (LTEADDR ONLY)
000014          SRBECBL  DS    A                   ADDRESS OF LTE ECB LIST
000018          SRBECBN  DS    H                   NUMBER OF ECBS IN LIST
00001A          SRBMSG#  DS    H                   #LTES TO WHICH MESSAGE SENT
                *
        0001C   SRBDSLEN EQU   ((*-SRB+3)/4)*4      LENGTH OF DSECT
                         PRINT GEN
```

1.136 #SSADS

```
                         COPY #SSADS
                ************************************************************************
                ***                                                                  ***
                *** SSA:   SYSTEM SAVE AREA DSECT                                    ***
                ***                                                                  ***
                ************************************************************************

Offset  Value

000000          SSA      DSECT                          15:07:58 05/28/86   03/07/95
                         PRINT NOGEN
000000          SSASSAA  DS    A                   ADDRESS OF PREV SSA IN HIERARCHY.
000004          SSASSANA DS    A                   ADDRESS OF NEXT AVAIL SSA IN CHAIN
000008          SSATXEA  DS    A                   ADDRESS OF TXE ASSOCIATED WITH LVL
00000C          SSAUSAA  DS    A                   ADDRESS OF USER SAVEAREA IF THERE.
000010          SSAISAA  DS    A                   INITIAL STORAGE AREA ADDRESS.
000014          SSAPLAA  DS    A                   PARAMETER LIST COPY AREA ADDRESS.
000018          SSACOBA  DS    A                   COBOL PGM TGT AREA ADDRESS.
00001C                   ORG   SSACOBA             REDEFINE FOR PLI
000018          SSATASRA DS    A                   ADDR OF PLI STG REPORT TABLE
00001C          SSATFSTA DS    A                   ADDR OF FLOW STMT TBL FOR PLI
000020                   ORG   SSATFSTA            REDEFINE FOR COBOL
00001C          SSACTCOA DS    A                   ADDR OF IGZCTCO FOR THIS LEVEL
000020          SSACPRGM DS    A                   TCECPRGM FOR THIS LEVEL.
000024          SSASTEPA DS    A                   STAE EXIT ENTRY POINT ADDRESS.
000028                   ORG   SSASTEPA
000024          SSASTPGM DS    CL8                 STAE EXIT PROG. NAME.
                *
                SSATLVL  #FLAG X'80'               SSA FOR TOP LEVEL IF ON.
                SSANSP   #FLAG X'40'               ON IF NO STG PROT FOR CPRGM.
                SSASTE   #FLAG X'20'               STAE EXIT IS ACTIVE.
                SSASPGM  #FLAG X'10'               STAE EXIT IS PROGRAM NAME.
                SSATXE   #FLAG X'08'               SSA HAS TXE CHAINED TO IT.
                SSAUMSC  #FLAG X'04'               THIS SSA HAS CONSOLIDATED USTG
                SSASPL   #FLAG X'02'               PARAMETER LIST ALREADY OBTAINED
                SSASYSC  #FLAG X'01'               SYSCALL FLAG ON FOR THIS LINKLEVL
                *
00002C          SSAFLAG  DS    XL1                 FLAG BYTE.
00002D          SSAAMODE DS    XL1                 AMODE FOR THE PROGRAM.
00002E          SSAUSRMP DS    H                   MPMODE FOR THE PROGRAM
000030          SSARSA   DS    16F                 SAVE AREA FOR USER'S REGISTERS.
000070          SSAUCNT  DS    H                   TIMES THIS SSA USED
                SSARSA   #FLAG X'40'               REGISTER SAVE AREA IN BLOCK
                SSAISA   #FLAG X'20'               ISA IN BLOCK
                SSASCRN  #FLAG X'10'               PREV LVL'S SVC SCRN STG IS SAVED
000072          SSAFLAG1 DS    XL1
                SSAUSSV  #FLAG X'80'               PREV LVL'S 'USC*' STG WAS SAVED
                SSARCE   #FLAG X'40'               #LINK with RCEADDR= was done
000073          SSAFLAG2 DS    XL1
000074          SSAUMSA  DS    A                   ADDR OF CONSOLIDATED USER MODE STG
000078          SSAISAL  DS    F                   LENGTH OF ISA IN CONSOLIDATED AREA
00007C          SSAPLL   DS    H                   LENGTH OF PARMLIST IN CONS. STG
000080          SSAUSCA  DS    A                   ADDR OF PREV LVL'S 'USC*' STG
000084          SSAPCXA  DS    A                   ADDR OF PCX FOR COBOL 2
000088          SSALE37A DS    F                   LE/370 area anchor
                *
00008C          SSALESAV DS    0CL8                LE/370 environment savearea.
00008C          SSALEANA DS    F                   LE/370 anchor vector address
000090          SSALECAA DS    F                   LE/370 CAA address
                *
000094          SSAPMASK DS    X                   USER MODE PROGRAM MASK
000095                   DS    XL3                 RESERVED
        00098   SSADSLEN EQU   ((*-SSA+3)/4)*4     LENGTH OF DSECT.
```

```
Offset  Value

                       PRINT GEN
                       END
RPEQNAME     F     698  699
RPETRB       F     747  762
RPX          F     812  818
SCT          F    4032 4120
SCTTDBAM     F    4068 4074
SCTTSHAM     F    4053 4074  4077
SCTTSHKM     F    4056 4074  4077
SCTTTRMM     F    4065 4074
SCTTUSKM     F    4062 4074  4077
SCTTUSRM     F    4059 4074  4077
SCTTYP#      F    4079 4117
SFP$LEN      F    4146 4156
SFS$LEN      F    4154 4156
SSA          F    4166 4245
SSACOBA      F    4174 4175
SSASTEPA     F    4181 4182
SSATFSTA     F    4177 4178
                 Macro and Copy Code Source Summary                                P
 Con Sou                 Volume    Members                        HLASM R4.0  2001/10/
  L1 DIS                 RIG008    #CCIDCDS #FLAG    #OPTDS   #PDTDS   #PLEDS   #PRTDS
                                   #PTEDS   #PTXDS   #QCEDS   #QDEDS   #QDTDS   #RCADS
                                   #SCTDS   #SSADS   #TREQ
SYSTEM:        ME: WYM$DB2     STEPNAME: REF02      PROCSTEP: C
Datasets
 Con DDn                         Volume  Member
  P1 SYS     B 0000101.?
  L1 SYS     R                   RIG008
  L2                             MVR2AB
     SYS     1 $DB2.OBJ.H03
     SYS     B 0000102.?

    756K     r     753K would be required for this to be an In-Storage Assembly
     25      d    3792 Library Records Read                 0 Work File Reads
      0      d    3340 Primary Print Records Written        0 Work File Writes
      0      e       0 ADATA Records Written
Assembly     5  10.31.51 Processor Time: 00.00.00.0783
Return C
```

1.137 #SSC102

```
                         COPY #SSC102
               ***
               ***
               ***  SSC102:  Subschema-ctrl IDMS user communication element
               ***
               ***           Pre release 12.0
               ***
               ***

Offset  Value

000000         SSC102   DSECT                           02/14/90 09:24:59   08/15/90
000000         S10TRL   DS    0CL200                   ENTIRE COMMUNICATION ELEMENT
000000         S10PNAME DS    CL8                      USER PROGRAM NAME
000008         S10STAT  DS    0CL4                     ERROR STATUS
000008         S10STAT1 DS    CL2                      ERROR STATUS MAJOR CODE
00000A         S10STAT2 DS    CL2                      ERROR STATUS MINOR CODE
00000C         S10DBKEY DS    F                        DBKEY
000010         S10NAMES DS    5CL16                    NAMES
000060                  ORG   S10NAMES
000010         S10REC   DS    CL16                     RECORD NAME
000020         S10AREA  DS    CL16                     AREA NAME
000030         S10ERST  DS    CL16                     ERROR SET
000040         S10ERRC  DS    CL16                     ERROR RECORD
000050         S10ERAR  DS    CL16                     ERROR AREA
000060         S10IDBCM DS    0CL100                   IDBMSCOM
        00060  S10FLOW  EQU   S10IDBCM-1+1             LOWEST FUNCTION NUMBER
        000C3  S10FHIGH EQU   S10IDBCM-1+100           HIGHEST FUNCTION NUMBER
        0009A  S10B59   EQU   S10IDBCM-1+59            BIND RUN-UNIT
        0008F  S10B48   EQU   S10IDBCM-1+48            BIND RECORD
        00061  S10FINI  EQU   S10IDBCM-1+2             FINISH
        00083  S10RDYLO EQU   S10IDBCM-1+36            LOWEST READY FUNCTION
        00088  S10RDYHI EQU   S10IDBCM-1+41            HIGHEST READY FUNCTION
        00081  S10GET   EQU   S10IDBCM-1+34            GET RECORD
        0008A  S10OBTN  EQU   S10IDBCM-1+43            OBTAIN (GET)
        000A2  S10RBCK  EQU   S10IDBCM-1+67            ROLLBACK
        000B6  S10KEEP  EQU   S10IDBCM-1+87            KEEP CURRENT
        000B7  S10KEEX  EQU   S10IDBCM-1+88            KEEP EXCLUSIVE CURRENT
000060         S10TPARM DS    F                        TP INTERFACE PARM AREA
000064                  ORG   S10TPARM
000060         S10PINFO DS    0F                       CURRENT PAGE GROUP/DBKEY RADIX
000060         S10PGRUP DS    H                        CURRENT PAGE GROUP
000062         S10RADIX DS    H                        CURRENT DBKEY RADIX
000064         S10PARM0 DS    F                        USER PARM 0 AREA
000068         S10PARM1 DS    F                        USER PARM 1 AREA
00006C         S10PARM2 DS    F                        USER PARM 2 AREA
000070         S10PARM3 DS    F                        USER PARM 3 AREA
000074         S10PARM4 DS    F                        USER PARM 4 AREA
000078         S10PARM5 DS    F                        USER PARM 5 AREA
00007C         S10PARM6 DS    F                        USER PARM 6 AREA
000080         S10PARM7 DS    F                        USER PARM 7 AREA
000084         S10PARM8 DS    F                        USER PARM 8 AREA
000088         S10LRE   DS    0CL44                    LRE Area (obsolete)
000088         S10RPB   DS    0XL36                    RPB Area
000088         S10DSINM DS    CL8                      RPB routing name for DSI
000090         S10RSTAT DS    F                        RPB status
000094         S10ANCH  DS    A                        RPB address to the real CSA
000098         S10INIT  DS    F                        RPB initialization word
00009C         S10USTAT DS    F                        RPB user status
0000A0         S10RWORK DS    3F                       RPB work area
        00024  S10RPBL  EQU   *-S10RPB                 length of the RPB block
0000AC         S10SSCCW DS    CL4                      DSI Client code word
```

```
0000B0         S10SSCA  DS    A                        Anchor to real r12.0 SSC
0000B4         S10LSINO DS    F                        Local Sinon indicator
0000B8         S10LCSAA DS    A                        Local Sinon address  A(LCSA)
0000BC         S10SINON DS    F                        RU Sinon to DB indicator
0000C0         S10VIBA  DS    F                        Addr of VIB
0000C4         S10DRDBK DS    F                        DIRDBKEY
        000C8  S10DSLEN EQU   *-SSC102                 Length of fixed SSC102
        000C8  S10XTENT EQU   *                        SSC102 extension area:
0000C8         S10DBSTM DS    CL2                      DB STATEMANT CODE
0000CA         S10DBCOD DS    CL5                      DB STATUS CODE
0000CF                  DS    CL1                      FILLER
0000D0         S10RECOC DS    F                        RECORD OCCURRENCE
0000D4         S10DMLSQ DS    F                        DML SEQUENCE NUMBER
        000D8  S10LNGTH EQU   *-SSC102                 Length of SSC102 + debug info
               *
               *   EXTENSION FOR IDMS-DC INTERFACE...'DC CONTROL AREA (D10)'
               *
0000D8                  ORG   S10XTENT
0000C8         D10DCBMS DS    0CL100              WHOLE THING IS 100 BYTES.
0000C8         D10R14SV DS    A                   SAVE FOR COBOL/PL1 R14.
0000CC         D10PARMS DS    10F                 PARAMETER LIST AREA.
0000F4                  ORG   D10PARMS+32
0000EC         D10BLL1  DS    H                   OFFSET OF FIRST BLL.
0000EE         D10BLL2  DS    H                   OFFSET OF SECOND BLL.
0000F0         D10BLLR  DS    A                   ADDR OF RCE FOR BLLS.
0000F4                  ORG
0000F4         D10STR1  DS    0CL16               STRING 1 PARAMETER.
0000F4         D10STR2  DS    0CL8                STRING 2 PARAMETER.
0000F4         D10STR4  DS    CL4                 STRING 4 PARAMETER.
0000F8         D10STR5  DS    CL4                 STRING 5 PARAMETER.
0000FC         D10STR3  DS    CL8                 STRING 3 PARAMETER.
000104                  ORG   D10STR5
0000F8         D10ADDR1 DS    F                   ADDRESS 1 PARAMETER
0000FC         D10ADDR2 DS    F                   ADDRESS 2 PARAMETER
000100         D10ADDR3 DS    F                   ADDRESS 3 PARAMETER
000104                  ORG   D10STR1
0000F4         D10PNUM1 DS    PL8                 PACKED NUMBER, LENGTH 8.
0000FC                  ORG
000104         D10PNUM2 DS    0PL4                PACKED NUMBER, LENGTH 4.
000104         D10NUM1  DS    F                   NUMBER 1.
000108         D10NUM2  DS    F                   NUMBER 2.
00010C         D10NUM3  DS    F                   NUMBER 3.
000110         D10FLG1  DS    AL2                 FLAG 1.
000112         D10FLG2  DS    AL2                 FLAG 2.
000114         D10FLG3  DS    AL2                 FLAG 3.
000116         D10FLG4  DS    AL2                 FLAG 4.
000118         D10FLG5  DS    AL2                 FLAG 5.
00011A         D10FLG6  DS    AL2                 FLAG 6.
00011C         D10VER   DS    AL2                 COBOL VERSION (FOR DMLC, REL 11.0)
00011E         D10BLLR1 DS    X                   BASE REGISTER FOR FIRST BLL CELL
00011F         D10BLLR2 DS    X                   BASE REGISTER FOR SECOND BLL CELL
000120                  ORG   D10DCBMS+88
000120         D10DBLWK DS    D                   WORK WORD.
000128                  ORG
000128                  ORG   D10STR1
0000F4         D10STR6  DS    CL32                32 BYTE RETURN AREA
000114         D10NUH1  DS    H                   HALF WORD
000116                  DS    H                   RESERVED
000118         D10ACODE DS    CL4                 DC ABEND CODE
00011C                  ORG   ,
        00128  D10DSLEN EQU   *-SSC102            Dsect length for IDMS-DC
```

1.138 #SSC120

```
                         COPY #SSC120
               ***
               ***
               ***  SSC:     SUBSCHEMA-CTRL IDMS User Communication Block
               ***
               ***

Offset  Value

000000         SSC      DSECT                                                 04/18/95
000000         SSCTRL   DS    0CL300              SSC Communication Block
000000         SSCPNAME DS    CL8                 User Program Name
000008         SSCSTAT  DS    0CL4                Error Status
000008         SSCSTAT1 DS    CL2                 Error Status Major Code
00000A         SSCSTAT2 DS    CL2                 Error Status Minor Code
00000C         SSCDBKEY DS    F                   DBKEY
000010         SSCNAMES DS    6CL18               Names
00007C                  ORG   SSCNAMES
000010         SSCREC   DS    CL18                Record (Table) Name
000022         SSCAREA  DS    CL18                Area Name
000034         SSCLIB   DS    CL18                Schema Name
000046         SSCERST  DS    CL18                Error Set (Constraint)
000058         SSCERRC  DS    CL18                Error Record (Table)
00006A         SSCERAR  DS    CL18                Error Area
00007C         SSCIDBCM DS    0CL100              IDBMSCOM
        0007C  SSCFLOW  EQU   SSCIDBCM-1+1        Lowest Function Number
        000FB  SSCFHIGH EQU   SSCIDBCM-1+128      Highest Function Number
        000B6  SSCB59   EQU   SSCIDBCM-1+59       BIND RUN-UNIT
        000AB  SSCB48   EQU   SSCIDBCM-1+48       BIND RECORD
        0007D  SSCFINI  EQU   SSCIDBCM-1+2        FINISH
        0009F  SSCRDYLO EQU   SSCIDBCM-1+36       Lowest READY Function
        000A4  SSCRDYHI EQU   SSCIDBCM-1+41       Highest READY Function
        0009D  SSCGET   EQU   SSCIDBCM-1+34       GET RECORD
        000A6  SSCOBTN  EQU   SSCIDBCM-1+43       OBTAIN (GET)
        000BE  SSCRBCK  EQU   SSCIDBCM-1+67       ROLLBACK
        000D2  SSCKEEP  EQU   SSCIDBCM-1+87       KEEP CURRENT
        000D3  SSCKEEX  EQU   SSCIDBCM-1+88       KEEP EXCLUSIVE CURRENT
00007C         SSCTPARM DS    F                   TP Interface Parm Area
000080                  ORG   SSCTPARM
00007C         SSCPINFO DS    0F                  Current PAGE GROUP/DBKEY RADIX
00007C         SSCPGRUP DS    H                   Current PAGE GROUP
00007E         SSCRADIX DS    H                   Current DBKEY RADIX
000080         SSCPARM0 DS    F                   User Parm 0
000084         SSCPARM1 DS    F                   User Parm 1
000088         SSCPARM2 DS    F                   User Parm 2
00008C         SSCPARM3 DS    F                   User Parm 3
000090         SSCPARM4 DS    F                   User Parm 4
000094         SSCPARM5 DS    F                   User Parm 5
000098         SSCPARM6 DS    F                   User Parm 6
00009C         SSCPARM7 DS    F                   User Parm 7
0000A0         SSCPARM8 DS    F                   User Parm 8
        00024  SSCMAXL  EQU   *-SSCPARM0          Max length of parms.
        00009  SSCMAXP  EQU   SSCMAXL/4           Max # parms.
0000A4         SSCLRE   DS    0CL44               LRE Area (obsolete)
0000A4         SSCRPB   DS    0XL36               RPB Area
0000A4         SSCDSINM DS    CL8                 RPB routing name for DSI
0000AC         SSCRSTAT DS    F                   RPB status
0000B0         SSCANCH  DS    A                   RPB address to the real CSA
0000B4         SSCINIT  DS    F                   RPB initialization word
0000B8         SSCUSTAT DS    F                   RPB user status
0000BC         SSCRWORK DS    3F                  RPB work area
```

```
        00024  SSCRPBL  EQU   *-SSCRPB            length of the RPB block
0000C8         SSCSSI   DS    CL4                 DSI Client anchor codeword
0000CC         SSCDSIBA DS    A                   DSI Client anchor
0000D0         SSCLSINO DS    F                   Local Sinon Indicator
0000D4         SSCLCSAA DS    A                   Local Sinon Address  A(LCSA)
0000D8         SSCSINON DS    A                   RU Sinon to DB indicator
0000DC         SSCVIBA  DS    F                   Address of the VIB
0000E0         SSCDRDBK DS    F                   DIRDBKEY
0000E4         SSCDBSTM DS    CL2                 DB Statement Code
0000E6         SSCDBCOD DS    CL5                 DB Status Code
0000EB         SSCERRSW DS    XL1                 DBMS's ERRSWX setting
0000EC         SSCRECOC DS    F                   RECORD Occurrence
0000F0         SSCDMLSQ DS    F                   DML Sequence Number
0000F4         SSCWORK1 DS    F                   Work Field 1
0000F8         SSCWORK2 DS    F                   Work Field 2
0000FC         SSCWORK3 DS    F                   Work Field 3
000100         SSCLTEA  DS    A                   Subsession LTE for native DML
000104         SSCOPTIA DS    A                   Address of local IDMSOPTI
000108         SSCNODE  DS    CL8                 BIND59 NODENAME work area
000110         SSCDBNAM DS    CL8                 BIND59 DBNAME work area
000118         SSCSSNAM DS    CL8                 BIND59 SUBSCHEMA override (XIT23)
000120                  DS    XL8                 *** reserved ***
000128         SSCS102A DS    A                   Back pointer to 10.x SSC
        0012C  SSCDSLEN EQU   *-SSC               Length of Fixed SSCTRL Area
        0012C  SSCLNGTH EQU   *-SSC               Length of SSCTRL
        0012C  SSCXTENT EQU   *                   SSCTRL Extention Area
               *
               *   EXTENSION FOR IDMS-DC INTERFACE...'DC CONTROL AREA (DCC)'
               *
00012C                  ORG   SSCXTENT
00012C         DCCDCBMS DS    0CL100              DC Extension is 100 Bytes
        0012C  DCCFLOW  EQU   DCCDCBMS-1+1        Lowest Function Number
        0016C  DCCFHIGH EQU   DCCDCBMS-1+65       Highest Function Number
00012C         DCCR14SV DS    A                   Savearea for COBOL/PL1 R14
000130         DCCPARMS DS    10F                 Parameter List Area
000158                  ORG   DCCPARMS+32
000150         DCCBLL1  DS    H                   Offset of first BLL
000152         DCCBLL2  DS    H                   Offset of second BLL
000154         DCCBLLR  DS    A                   Addr of RCE for BLLS
000158                  ORG
000158         DCCSTR1  DS    0CL16               String 1 Parameter
000158         DCCSTR2  DS    0CL8                String 2 Parameter
000158         DCCSTR4  DS    CL4                 String 4 Parameter
00015C         DCCSTR5  DS    CL4                 String 5 Parameter
000160         DCCSTR3  DS    CL8                 String 3 Parameter
000168                  ORG   DCCSTR5
00015C         DCCADDR1 DS    F                   Address 1 Parameter
000160         DCCADDR2 DS    F                   Address 2 Parameter
000164         DCCADDR3 DS    F                   Address 3 Parameter
000168                  ORG   DCCSTR1
000158         DCCPNUM1 DS    PL8                 Packed Number, Length 8
000160                  ORG
000168         DCCPNUM2 DS    0PL4                Packed Number, Length 4
000168         DCCNUM1  DS    F                   Number 1
00016C         DCCNUM2  DS    F                   Number 2
000170         DCCNUM3  DS    F                   Number 3
000174         DCCFLG1  DS    AL2                 Flag 1
000176         DCCFLG2  DS    AL2                 Flag 2
000178         DCCFLG3  DS    AL2                 Flag 3
00017A         DCCFLG4  DS    AL2                 Flag 4
00017C         DCCFLG5  DS    AL2                 Flag 5
00017E         DCCFLG6  DS    AL2                 Flag 6
000180         DCCVER   DS    AL2                 COBOL Version (for DMLC, Rel 11.0)
000182         DCCBLLR1 DS    X                   Base Register for first BLL Cell
000183         DCCBLLR2 DS    X                   Base Register for second BLL Cell
000184                  ORG   DCCDCBMS+88
```

```
000188         DCCDBLWK DS    D                   Work Word
000190                  ORG
000190                  ORG   DCCSTR1
000158         DCCSTR6  DS    CL32                32 Byte Return Area
000178         DCCNUH1  DS    H                   Halfword
00017A                  DS    H                   Reserved
00017C         DCCACODE DS    CL4                 DC Abend Code
000180                  ORG   ,
        00190  DCCDSLEN EQU   *-SSC               DSECT Length for IDMS-DC
```

1.139 #SSCDS

```
                    COPY #SSCDS
            ***
            ***
            ***  SSC:     SUBSCHEMA-CTRL IDMS USER COMMUNICATION ELEMENT DSECT
            ***                                    01/11/78
            ***

Offset  Value

000000          SSC      DSECT                           05/16/90 11:47:33   08/15/90
000000          SSCTRL   DS    0CL200                   ENTIRE COMMUNICATION ELEMENT
000000          SSCPNAME DS    CL8                      USER PROGRAM NAME
000008          SSCSTAT  DS    0CL4                     ERROR STATUS
000008          SSCSTAT1 DS    CL2                      ERROR STATUS MAJOR CODE
00000A          SSCSTAT2 DS    CL2                      ERROR STATUS MINOR CODE
00000C          SSCDBKEY DS    F                        DBKEY
000010          SSCNAMES DS    5CL16                    NAMES
000060                   ORG   SSCNAMES
000010          SSCREC   DS    CL16                     RECORD NAME
000020          SSCAREA  DS    CL16                     AREA NAME
000030          SSCERST  DS    CL16                     ERROR SET
000040          SSCERRC  DS    CL16                     ERROR RECORD
000050          SSCERAR  DS    CL16                     ERROR AREA
000060          SSCIDBCM DS    0CL100                   IDBMSCOM
        00060   SSCFLOW  EQU   SSCIDBCM-1+1             LOWEST FUNCTION NUMBER
        000C3   SSCFHIGH EQU   SSCIDBCM-1+100           HIGHEST FUNCTION NUMBER
        0009A   SSCB59   EQU   SSCIDBCM-1+59            BIND RUN-UNIT
        0008F   SSCB48   EQU   SSCIDBCM-1+48            BIND RECORD
        00061   SSCFINI  EQU   SSCIDBCM-1+2             FINISH
        00083   SSCRDYLO EQU   SSCIDBCM-1+36            LOWEST READY FUNCTION
        00088   SSCRDYHI EQU   SSCIDBCM-1+41            HIGHEST READY FUNCTION
        00081   SSCGET   EQU   SSCIDBCM-1+34            GET RECORD
        0008A   SSCOBTN  EQU   SSCIDBCM-1+43            OBTAIN (GET)
        000A2   SSCRBCK  EQU   SSCIDBCM-1+67            ROLLBACK
        000B6   SSCKEEP  EQU   SSCIDBCM-1+87            KEEP CURRENT
        000B7   SSCKEEX  EQU   SSCIDBCM-1+88            KEEP EXCLUSIVE CURRENT
000060          SSCTPARM DS    F                        TP INTERFACE PARM AREA
000064                   ORG   SSCTPARM
000060          SSCPINFO DS    0F                       CURRENT PAGE GROUP/DBKEY RADIX
000060          SSCPGRUP DS    H                        CURRENT PAGE GROUP
000062          SSCRADIX DS    H                        CURRENT DBKEY RADIX
000064          SSCPARM0 DS    F                        USER PARM 0 AREA
000068          SSCPARM1 DS    F                        USER PARM 1 AREA
00006C          SSCPARM2 DS    F                        USER PARM 2 AREA
000070          SSCPARM3 DS    F                        USER PARM 3 AREA
000074          SSCPARM4 DS    F                        USER PARM 4 AREA
000078          SSCPARM5 DS    F                        USER PARM 5 AREA
00007C          SSCPARM6 DS    F                        USER PARM 6 AREA
000080          SSCPARM7 DS    F                        USER PARM 7 AREA
000084          SSCPARM8 DS    F                        USER PARM 8 AREA
000088          SSCLRE   DS    CL44                     LRE AREA
0000B4          SSCLSINO DS    F                        LOCAL SINON IND
0000B8          SSCLCSAA DS    A                        LOCAL SINON ADDRESS  A(LCSA)
0000BC          SSCSINON DS    F                        RU SINON TO DB INDICATOR
0000C0          SSCVIBA  DS    F                        ADDR OF VIB
0000C4          SSCDRDBK DS    F                        DIRDBKEY
        000C8   SSCDSLEN EQU   *-SSC                    LENGTH OF FIXED SSCTRL AREA
        000C8   SSCXTENT EQU   *                        SSCTRL EXTENTION AREA
0000C8          SSCDBSTM DS    CL2                      DB STATEMANT CODE
0000CA          SSCDBCOD DS    CL5                      DB STATUS CODE
0000CF                   DS    CL1                      FILLER
```

```
0000D0         SSCRECOC DS    F                        RECORD OCCURRENCE
0000D4         SSCDMLSQ DS    F                        DML SEQUENCE NUMBER
        000D8  SSCLNGTH EQU   *-SSC                    LENGTH OF SSCTRL + DEBUG INFO
               *
               *   EXTENSION FOR IDMS-DC INTERFACE...'DC CONTROL AREA (DCC)'
               *
0000D8                 ORG   SSCXTENT
0000C8         DCCDCBMS DS    0CL100              WHOLE THING IS 100 BYTES.
0000C8         DCCR14SV DS    A                   SAVE FOR COBOL/PL1 R14.
0000CC         DCCPARMS DS    10F                 PARAMETER LIST AREA.
0000F4                 ORG   DCCPARMS+32
0000EC         DCCBLL1  DS    H                   OFFSET OF FIRST BLL.
0000EE         DCCBLL2  DS    H                   OFFSET OF SECOND BLL.
0000F0         DCCBLLR  DS    A                   ADDR OF RCE FOR BLLS.
0000F4                 ORG
0000F4         DCCSTR1  DS    0CL16               STRING 1 PARAMETER.
0000F4         DCCSTR2  DS    0CL8                STRING 2 PARAMETER.
0000F4         DCCSTR4  DS    CL4                 STRING 4 PARAMETER.
0000F8         DCCSTR5  DS    CL4                 STRING 5 PARAMETER.
0000FC         DCCSTR3  DS    CL8                 STRING 3 PARAMETER.
000104                 ORG   DCCSTR5
0000F8         DCCADDR1 DS    F                   ADDRESS 1 PARAMETER
0000FC         DCCADDR2 DS    F                   ADDRESS 2 PARAMETER
000100         DCCADDR3 DS    F                   ADDRESS 3 PARAMETER
000104                 ORG   DCCSTR1
0000F4         DCCPNUM1 DS    PL8                 PACKED NUMBER, LENGTH 8.
0000FC                 ORG
000104         DCCPNUM2 DS    0PL4                PACKED NUMBER, LENGTH 4.
000104         DCCNUM1  DS    F                   NUMBER 1.
000108         DCCNUM2  DS    F                   NUMBER 2.
00010C         DCCNUM3  DS    F                   NUMBER 3.
000110         DCCFLG1  DS    AL2                 FLAG 1.
000112         DCCFLG2  DS    AL2                 FLAG 2.
000114         DCCFLG3  DS    AL2                 FLAG 3.
000116         DCCFLG4  DS    AL2                 FLAG 4.
000118         DCCFLG5  DS    AL2                 FLAG 5.
00011A         DCCFLG6  DS    AL2                 FLAG 6.
00011C         DCCVER   DS    AL2                 COBOL VERSION (FOR DMLC, REL 11.0)
00011E         DCCBLLR1 DS    X                   BASE REGISTER FOR FIRST BLL CELL
00011F         DCCBLLR2 DS    X                   BASE REGISTER FOR SECOND BLL CELL
000120                 ORG   DCCDCBMS+88
000120         DCCDBLWK DS    D                   WORK WORD.
000128                 ORG
000128                 ORG   DCCSTR1
0000F4         DCCSTR6  DS    CL32                32 BYTE RETURN AREA
000114         DCCNUH1  DS    H                   HALF WORD
000116                  DS    H                   RESERVED
000118         DCCACODE DS    CL4                 DC ABEND CODE
00011C                 ORG   ,
        00128  DCCDSLEN EQU   *-SSC               DSECT LENGTH FOR IDMS-DC
```

1.140 #STLDS

```
                         COPY #STLDS
                ********************************************************************
                ***                                                              ***
                ***  STL: STATISTICS LOG RECORD TEXT PORTION                     ***
                ***                                                              ***
                ***       INDICATES THE TYPE OF STATISTICS RECORD                ***
                ***           (LGRTYPE = C'6' OR X'76')                          ***
                ***                                                              ***
                ***       THE #STRDS DSECT DESCRIBES THE FIELDS WHICH            ***
                ***           COMPRISE THE RECORD                                ***
                ***                                                              ***
                ***       THE FIRST BYTE IS A STATISTICS SUBTYPE CODE WHICH      ***
                ***           DETERMINES HOW THE REMAINDER OF THE RECORD         ***
                ***           IS FORMATTED.                                      ***
                ***                                                              ***
                ********************************************************************

Offset  Value

000000          STL      DSECT                          20:35:01 09/27/87   12/22/92
000000          STLTYPE  DS    X                   STATS TYPE
        00000   STLTSTRT EQU   00                    SYSTEM STARTUP
        00001   STLTCST  EQU   01                    SYSTEM
        00002   STLTTST  EQU   02                    TASK (THREAD OR ID)
        00003   STLTTSB  EQU   03                    TRANSACTION
        00004   STLTTDE  EQU   04                    TASK (CODE)
        00005   STLTPDE  EQU   05                    PROGRAM
        00006   STLTQDE  EQU   06                    QUEUE
        00007   STLTPLE  EQU   07                    PHYSICAL LINE
        00008   STLTPTE  EQU   08                    PHYSICAL TERMINAL
        00009   STLTADS  EQU   09                    ADS
        0000A   STLTOTP  EQU   10                    OTP      (NOT AVAILABLE IN 10.2)
        0000B   STLTDDS  EQU   11                    DEADLOCK (NOT AVAILABLE IN 10.2)
        0000B   STLTMAX  EQU   11                  HIGHEST ASSIGNED TYPE
                *
000001          STLID    DS    CL16                STATISTICS IDENTIFIER
000011          STLPDNAM DS    0CL8                PDE ID  (STLTPDE)
000011          STLPTNAM DS    0CL8                PTE ID  (STLTPTE)
000011          STLPLNAM DS    0CL8                PLE ID  (STLTPLE)
000011          STLTDNAM DS    0CL8                TDE ID  (STLTTDE)
000011          STLQDNAM DS    0CL16               QDE ID  (STLTQDE)
000011                   ORG
000011                   DS    XL3                 ** RESERVED **
000014                   DS    0F                  ALIGN ON FULLWORD
        00014   STLFIXE  EQU   *                   END OF FIXED PORTION
        00014   STLFIXL  EQU   STLFIXE-STL         LEN OF FIXED PORTION
                *
        001EC   STLVMAXL EQU   512-STLFIXL         MAX VARIANT LEN
                * LARGE ENOUGH TO HOLD THE MAXIMUM TEXT IN TWO LOG RECORDS
000014                   DS    XL(STLVMAXL)        VARIANT PART
                *
        00200   STLDSLEN EQU   *-STL               LENGTH OF DSECT
                *
                ********************************************************************
                *
                * STL FIELDS FOR SNAPS             USED INTERNALLY.
                *                                  NOT PRESENT IN DCLOG RECORDS
                ********************************************************************
000200          SYSPLIST DS    8F
                         PRINT NOGEN
                STIMTSK  #FLAG X'80'               INDICATOR IF INVOKED BY SETIME
000220                   DS    X
```

```
                        PRINT GEN
000221         SNAPLIN  DS    0CL133
000221         SNAPLEN  DS    X                   TITLE LENGTH
000222         SNAPCC   DS    X                   CARRIAGE CONTROL
000223         SNAPSTAT DS    CL18                MAIN TITLE: 'STATISTICS RECORD:'
000235                  DS    CL2
000237         SNAPVAR  DS    CL32                SUBTITLE: 'STATISTICS SUBTYPE'
000257                  DS    CL80
        002A7  SWORKLEN EQU   *-STL                LENGTH FOR INTERNAL USE
```

1.141 #STRDS

```
                         COPY #STRDS
                ********************************************************************
                ***                                                              ***
                ***  STR: STATISTICS RECORD BLOCK DSECT.  PREFIX = STR           ***
                ***                                                              ***
                ***       DESCRIBES THE FIELDS IN EACH STATISTICS BLOCK.         ***
                ***       TYPE AND ORDER OF BLOCKS DEPENDS ON TYPE OF            ***
                ***       STATISTICS RECORD (STLTYPE).                           ***
                ***                                                              ***
                ********************************************************************

Offset  Value

000000          STR      DSECT                                                11/06/95
000000          STRTYPE  DS    XL1                 TYPE CODE
        00000   STRTHDR  EQU   00                    HEADER
        00001   STRTSYS  EQU   01                    SYSTEM
        00002   STRTDB   EQU   02                    DB
        00003   STRTDC   EQU   03                    DC
        00004   STRTSQL  EQU   04                    SQL                      JDM 8/90
        00005   STRTTDE  EQU   05                    TASK CODE
        00006   STRTPDE  EQU   06                    PROGRAM
        00007   STRTQDE  EQU   07                    QUEUE
        00008   STRTPLE  EQU   08                    PHYSICAL LINE
        00009   STRTPTE  EQU   09                    PHYSICAL TERMINAL
        0000A   STRTASB  EQU   10                    ADS
        0000B   STRTHIS  EQU   11                    HISTOGRAM
        0000C   STRTDDS  EQU   12                    DEADLOCK DETECTION
        0000D   STRTAFM  EQU   13                    Area-File
000001                   DS    XL1                 RESERVED
000002          STRVLEN  DS    H                   LENGTH OF THIS STR'S VARIANT PART
                *
000004          STRNEXT  DS    A                   ADDR OF NEXT STATISTICS BLOCK
                *                                    WHEN IN STORAGE
000008                   ORG   STRNEXT
000004          STRRID   DS    CL4                 RELEASE IDENTIFIER FOR DC LOG
        1F0F2   STRR102  EQU   C'R102'             RELEASE ID=10.2
        1F2F0   STRR120  EQU   C'R120'             RELEASE ID=12.0
        1F4F0   STRR140  EQU   C'R140'             RELEASE ID=14.0             LRD95310
        1F5F0   STRR150  EQU   C'R150'             RELEASE ID=15.0
        00008   STRFIXE  EQU   *                   END OF FIXED PART OF STR
        00008   STRFIXL  EQU STRFIXE-STR           LENGTH OF FIXED PORTION OF STR
                ***
                *** STATISTICS HEADERS.  PREFIX = STH
                ***
000008                   DS    0F
000008          STHERUID DS    0CL48               ERUS STATISTICS BLOCK ID
000008          STHSVXA  DS    0F                  ADDR OF COPY OF SVX ERE EXTENSION
                *                                      DURING TASK EXECUTION     9/87
000008          STHACCT  DS    CL40                ERUS ACCOUNTING INFO WHEN LOGREC
000030          STHPNAME DS    CL8                 ERUS USER PROGRAM NAME
000038                   ORG   STHERUID
000008          STHDCID  DS    0CL40               DC ID
000008          STHUSID  DS    CL32                DC USER ID
000028          STHLTEID DS    CL8                 DC LTERM ID
000030          STHTSKCD DS    CL8                 DC TASK CODE
000038                   ORG
000038          STHTSKID DS    F                   TASK ID
                *                                    (NEGATIVE IF AN ERUS TASK)
        0003C   STHTSKLN EQU   *-STR               LENGTH OF TASK STATS HEADER
                * FOLLOWING FIELDS PRESENT FOR TRANSACTION STATISTICS
                * THE FIRST PART OF TRANSACTION STATS HEADER IS THE STHDCID FIELD
00003C                   ORG   STHTSKCD
```

```
Offset  Value

000030          STHUID   DS    CL8                 USER SUPPLIED IDENTIFIER     10/83
000038          STHUDAT  DS    PL4                 DATE BIND COMMAND ISSUED     10/83
00003C          STHUTIM  DS    F                   TIME BIND COMMAND ISSUED     10/83
                         PRINT NOGEN
000040          STHFLAGS DS    0F                                               10/83
                STHTSBA  #FLAG X'04'               OPT - TSBA= SPECIFIED        10/83
                STHACUM  #FLAG X'02'               OPT - ACCEPT/ACCUMULATE      10/83
                STHBNDT  #FLAG X'01'               OPT - BIND TO TASK START     10/83
000040          STHFLG0  DS    X                   #TRNSTAT FLAG BYTE 0 (OPTS)  10/83
                STHSTRT  #FLAG X'01'               BIND REQUEST                 10/83
                STHGET   #FLAG X'02'               ACCEPT REQUEST               10/83
                STHEND   #FLAG X'04'               END REQUEST                  10/83
000041          STHFLG1  DS    X                   #TRNSTAT FLAG BYTE 1 (TYPE)  10/83
                STHTASK  #FLAG X'01'               STATS RELATIVE TO TASK START 10/83
000042          STHFLG2  DS    X                   #TRNSTAT FLAG BYTE 2 (MODS)  10/83
000043          STHFLG3  DS    X                   RESERVED                     10/83
                         PRINT GEN
        00044   STHTRALN EQU   *-STR                LENGTH OF TRANS STATS HEADER
                ***
                ***  DC STATISTICS.  PREFIX = STC
                ***
000044                   ORG   STRFIXE
000008          STCHSTB  DS    0F                  BEGINNING OF HISTOGRAM DATA
000008          STCPGMCL DS    F                   # OF PROGRAMS CALLED
00000C          STCPGMLD DS    F                IF TASK STATISTICS (STLTYPE=02)
                *                               OR TRANSACTION STATISTICS (STLTYPE=03)
                *                                  # OF PROGRAMS LOADED BY TASK/TRANS
                *                                    INTO ANY PROGRAM POOL
                *                               IF SYSTEM STATISTICS (STLTYPE=01)
                *                                  # OF PROGRAMS LOADED INTO
                *                                    STANDARD (NON-XA) PROGRAM POOL
000010          STCTRMRD DS    F                   # OF TERMINAL READS
000014          STCTRMWR DS    F                   # OF TERMINAL WRITES
000018          STCTRMER DS    F                   # OF TERMINAL ERRORS
00001C          STCSTGGT DS    F                   # OF GET STORAGE REQUESTS
000020          STCSCRGT DS    F                   # OF SCRATCH GETS
000024          STCSCRPT DS    F                   # OF SCRATCH PUTS
000028          STCSCRDL DS    F                   # OF SCRATCH DELETES
00002C          STCQUEGT DS    F                   # OF QUEUE GETS
000030          STCQUEPT DS    F                   # OF QUEUE PUTS
000034          STCQUEDL DS    F                   # OF QUEUE DELETES
000038          STCGETIM DS    F                   # OF GETTIME REQUESTS
00003C          STCSETIM DS    F                   # OF SETTIME REQUESTS
000040          STCDBRQS DS    F                   # OF DB SERVICE RQSTS
000044          STCHISTK DS    F                   MAX WORDS USED IN STACK
000048          STCTIMUS DS    F                   USER MODE TIME   (10**-4 SECONDS)
00004C          STCTIMSY DS    F                   SYSTEM MODE TIME (10**-4 SECONDS)
000050          STCTIMWT DS    F                   WAIT TIME        (10**-4 SECONDS)
                *                                  NOT USED FOR
                *                                    SYSTEM STATISTICS (STLTYPE=01)
000054          STCHIRCE DS    F                   MAXIMUM NUMBER OF RCE'S USED
000058          STCHIRLE DS    F                   MAXIMUM NUMBER OF RLE'S USED
00005C          STCHIDPE DS    F                   MAXIMUM NUMBER OF DPE'S USED
000060          STCHSTE  DS    0F                  END OF HISTOGRAM DATA
000060          STCSTGHW DS    F                   TASK STORAGE HIGH WATER MARK 10/83
                *                                  NOT USED FOR
                *                                    SYSTEM STATISTICS (STLTYPE=01)
000064          STCSTGFR DS    F                   # OF FREE STORAGE REQUESTS   10/83
000068          STCSVRQS DS    F                   # OF DCSYSTEM SERVICE RQSTS   4/84
00006C          STCEND   DS    0F                  END OF DC STATS
        0006C   STCLEN   EQU   *-STR                LENGTH OF DC STATS
                ***
                ***  DB STATISTICS.  PREFIX = STB
                ***
00006C                   ORG   STRFIXE
000008          STBPAGRD DS    F                   # OF PAGES READ
```

```
Offset  Value

00000C          STBPAGWR DS    F                  # OF PAGES WRITTEN
000010          STBPAGRQ DS    F                  # OF PAGES REQUESTED
000014          STBCALNO DS    F                  # OF CALC RECS WITH NO OFLOW
000018          STBCALOF DS    F                  # OF CALC RECS WITH OFLOW
00001C          STBVIANO DS    F                  # OF VIA RECS WITH NO OFLOW
000020          STBVIAOF DS    F                  # OF VIA RECS WITH OFLOW
000024          STBRECRQ DS    F                  # OF RECORDS REQUESTED
000028          STBRECCU DS    F                  # OF RECS CURRENT OF RUNUNIT
00002C          STBDBRQS DS    F                  # OF DBMS CALLS
000030          STBFRAGS DS    F                  # OF FRAGMENTS STORED
000034          STBRELO  DS    F                  # OF RECORDS RELOCATED
000038          STBTLOCK DS    F                  TOTAL no. locks acquired    JDM 5/90
00003C          STBSLOCK DS    F                  TOTAL share locks held      JDM 5/90
000040          STBULOCK DS    F                  TOTAL nonshare locks held   JDM 5/90
000044          STBTLKF  DS    F                  TOTAL locks freed           JDM 5/90
                *                                 LOCK FIELDS ARE NOT USED FOR
                *                                   SYSTEM STATISTICS (STLTYPE=01)
000048          STBEND   DS    0F                 END OF DB STATS
000048          STBIXSTA DS    0F                 START OF INDEX STATISTICS   JDM 5/90
000048          STB#SPLT DS    F                    # OF SR8 SPLITS           JDM 5/90
00004C          STB#SPWN DS    F                    # OF SR8 SPAWNS           JDM 5/90
000050          STB#SR8S DS    F                    # OF SR8S STORED          JDM 5/90
000054          STB#SR8D DS    F                    # OF SR8S ERASED          JDM 5/90
000058          STB#SR7S DS    F                    # OF SR7S STORED          JDM 5/90
00005C          STB#SR7D DS    F                    # OF SR7S ERASED          JDM 5/90
000060          STB#BISR DS    F                    # OF B-TREE SEARCHES      JDM 5/90
000064          STB#LEVL DS    F                    # OF B-TREE LEVELS SRCHED JDM 5/90
000068          STB#ORPH DS    F                    # OF ORPHANS ADOPTED      JDM 5/90
00006C          STBBISRL DS    H                    # OF LVLS SRCHED-BEST CASE    5/90
00006E          STBBISRH DS    H                    # OF LVLS SRCHED-WORST CASE   5/90
        00028   STBIXSTL EQU   *-STBIXSTA         LENGTH OF INDEX STATISTICS  JDM 5/90
                *
                *    Extended DB Stats
                *
000070          STBXDSTA DS    0F                 Start of Misc DB Stats.     LRD95310
000070          STBUPCNT DS    F                  Records Updated.            LRD95310
000074          STBCACHE DS    F                  Pages Found In Cache.       LRD95310
000078          STBPRFET DS    F                  Pgs found in Prefetch buff. LRD95310
00007C                   DS    2F                 Future Expansion.           LRD95310
        00014   STBXDEND EQU   *-STBXDSTA         Length of Misc Stats.       LRD95310
        00084   STBLEN   EQU   *-STR              LENGTH OF DB STATS
                ***
                ***  SYSTEM STATISTICS.
                ***
000084                   ORG   STRFIXE
000008          STRJRPUT DS    F                  # OF PUTJRNL REQUESTS
00000C          STRPGWTS DS    F                  # OF STANDARD PGMPOOL WAITS
000010          STRPGTPG DS    F                  # OF PAGES LOADED INTO STD PGMPOOL
000014          STRQUTSK DS    F                  # OF AUTOSTART TASKS STARTED
000018          STRSTSC1 DS    F                  STG REQUESTS SATISFIED BY PASS 1
00001C          STRSTSC2 DS    F                  STG REQUESTS SATISFIED BY PASS 2
000020          STRSTSOS DS    F                  TIMES SHORT ON STORAGE REACHED
000024          STRTIWTS DS    F                  # OF SETTIME WAIT REQUESTS
000028          STRTIPST DS    F                  # OF SETTIME POST REQUESTS
00002C          STRTISTT DS    F                  # OF SETTIME STRTTASK REQUESTS
000030          STRTICAN DS    F                  # OF SETTIME CANCEL REQUESTS
000034          STRTKTOT DS    F                  # OF TASKS PROCESSED BY SYSTEM
000038          STRTKABN DS    H                  # OF TASKS ABENDED
00003A          STRTKRWY DS    H                  # OF RUNAWAY TASKS ABORTED
00003C          STRTKMAX DS    F                  TIMES MAX TASK CONDITION REACHED
000040          STRTKSYS DS    F                  # OF SYSTEM TASKS PROCESSED
000044          STRSTFRC DS    F                  # OF PGFREE REQUESTS    JIC060184
000048          STRSTFRP DS    F                  # OF PAGES FREED BY PGFREE RQSTS
00004C          STRPGLRP DS    F                  # OF REENTRANT PGMPOOL LOADS
000050          STRPGWRP DS    F                  # OF REENTRANT PGMPOOL WAITS
000054          STRPGTRP DS    F                  # OF PAGES LOADED INTO RENT PGMPOOL
```

```
Offset  Value

000058          STRSTPGR DS    F                   # OF PGRLSE REQUESTS
00005C          STRSTPGF DS    F                   # OF PAGES FREED BY PGRLSE RQSTS
000060          STRTSRLE DS    H                   COUNT TIMES RLE THRESH EXCEEDED
000062          STRTSRCE DS    H                   COUNT TIMES RCE THRESH EXCEEDED
000064          STRTSDPE DS    H                   COUNT TIMES DPE THRESH EXCEEDED
000066          STRTSILE DS    H                   COUNT TIMES ILE THRESH EXCEEDED
000068          STRXPLDS DS    F                   # OF XA STANDARD PGMPOOL LOADS
00006C          STRXPWTS DS    F                   # OF XA STANDARD PGMPOOL WAITS
000070          STRXPTPG DS    F                   # OF PAGES LOADED INTO XA PGMPOOL
000074          STRXPLRP DS    F                   # OF XA REENTRANT PGMPOOL LOADS
000078          STRXPWRP DS    F                   # OF XA REENTRANT PGMPOOL WAITS
00007C          STRXPTRP DS    F                   # OF PAGES LOADED INTO XA RENTPOOL
000080          STRSTWTS DS    F                   TIMES WAITED FOR SPACE IN STG POOL
000084          STRSTFXC DS    F                   # OF PGFIX REQUESTS     JIC060184
000088          STRSTFXP DS    F                   # OF PAGES FIXED BY PGFIX RQSTS
        0008C   STRCSLEN EQU   *-STR               LENGTH OF SYSTEM STATS
                ***
                ***  DEADLOCK DETECTION STATISTICS.  PREFIX = STDD         KKS052489
                ***
00008C                  ORG    STRFIXE
000008          STDDSTAT DS    0F                  BEGINNING OF DEADLOCK STATISTICS
000008          STDDDDSP DS    F                   DEADLOCK DETECTION DISPATCH COUNT
00000C          STDDDP1D DS    F                   PASS 1 STALLED TASK DISPATCH COUNT
000010          STDDDP2D DS    F                   PASS 2 STALLED TASK DISPATCH COUNT
000014          STDDDP1T DS    F                   NO. TASKS PROCESSED BY PASS 1
000018          STDDDP2T DS    F                   NO. TASKS PROCESSED BY PASS 2
00001C          STDDDTDE DS    F                   TOTAL NO. DEADLOCKS W/COND=DEAD
000020          STDDDTNO DS    F                   TOTAL NO. DEADLOCKS W/COND=NONE
000024          STDDDVIC DS    F                   TOTAL NO. DEADLOCK victims
000028          STDDDDVI DS    F                   TOTAL NO. COND=DEAD victims
00002C          STDDDNVI DS    F                   TOTAL NO. COND=NONE victims
000030          STDDDMXD DS    F                   MAX. NO. COND=DEAD TASKS
                *                                    DEADLOCKED IN A SINGLE PASS
000034          STDDDMXN DS    F                   MAX. NO. COND=NONE TASKS
                *                                    DEADLOCKED IN A SINGLE PASS
000038          STDDDGDD DS    F                   STALLS requiring GDD resolution
        0003C   STDLEN   EQU   *-STR               LENGTH OF DEADLOCK STATS
                ***
                ***  STARTUP MARKER
                ***
00003C                  ORG    STRFIXE
000008          STRSSBLK DS    0F                  START OF STARTUP MARKER BLOCK
000008          STRSTDAT DS    CL5                 EBCDIC STARTUP DATE (YYDDD)
00000D          STRSTTIM DS    CL11                EBCDIC STARTUP TIME (HH:MM:SS:HH)
        00018   STRSSLEN EQU   *-STR               LENGTH OF STARTUP MARKER BLOCK
                ***
                ***  STATISTICS BY TASK CODE
                ***
000018                  ORG    STRFIXE
000008          STRTDCCT DS    F                   # OF TIMES TASK CODE WAS INVOKED
        0000C   STRTDLEN EQU   *-STR               LENGTH OF TASK CODE RECORD
                ***
                ***  STATISTICS BY PROGRAM
                ***
00000C                  ORG    STRFIXE
000008          STRPDCCT DS    F                   # OF TIMES CALLED
00000C          STRPDLCT DS    F                   # OF TIMES LOADED
000010          STRPDWTS DS    F                   # OF TIMES WAITING TO LOAD
000014          STRPDPCT DS    X                   # OF TIMES PROGRAM CHECKED
000015                  DS    XL3                 RESERVED
000018                  DS    0F                  ALIGN ON FULLWORD
        00018   STRPDLEN EQU   *-STR               LENGTH OF PROGRAM STATS IN STG
000018                  DS    H                   * UNUSED * (WAS STRPDVER)  *PHG SSC*
00001A          STRPDDBN DS    CL8                 DICTIONARY DBNAME            9/87
000022          STRPDNOD DS    CL8                 DICTIONARY NODENAME          9/87
00002A                  DS    CL2                 RESERVED                     9/87
```

```
Offset  Value

        0002C  STRPDRLN EQU   *-STR               LENGTH OF PROGRAM RECORD ON LOG
               ***
               ***  STATISTICS BY QUEUE
               ***
00002C                 ORG   STRFIXE
000008         STRQDTCT DS    F                   # OF TIMES AUTOTASK WAS STARTED
        0000C  STRQDLEN EQU   *-STR               LENGTH OF QUEUE RECORD
               ***
               ***  STATISTICS BY LINE
               ***
00000C                 ORG   STRFIXE
000008         STRPLRCT DS    F                   # OF READS
00000C         STRPLWCT DS    F                   # OF WRITES
000010         STRPLRER DS    F                   # OF READ ERRORS
000014         STRPLWER DS    F                   # OF WRITE ERRORS
        00018  STRPLLEN EQU   *-STR               LENGTH OF LINE RECORD
               ***
               ***  STATISTICS BY PHYSICAL TERMINAL
               ***
000018                 ORG   STRFIXE
000008         STRPTRCT DS    F                   # OF READS
00000C         STRPTWCT DS    F                   # OF WRITES
000010         STRPTRER DS    F                   # OF READ ERRORS
000014         STRPTWER DS    F                   # OF WRITE ERRORS
000018         STRPTRSP DS    F                   # OF RESPONSES
00001C         STRPTRST DS    F                   CUMULATIVE RESPONSE TIME
000020         STRPTCRS DS    F                   CUMULATIVE CURRENT RESPONSE TIME
000024         STRPTIOT DS    F                   CUMULATIVE I/O TIME
        00028  STRPTLEN EQU   *-STR               LENGTH OF PTERM RECORD
               ***
               ***  ASAB: ADS STATISTICS ACCUMULATION BLOCK
               ***
000028                 ORG   STRFIXE
000008         STRAID   DS    0CL40               DC ID                          9/87
000008         STRAUSID DS    CL32                DC USER ID                     9/87
000028         STRALTE  DS    CL8                 DC LTERM ID                    9/87
000030         STRAUID  DS    CL8                 ADS SUPPLIED ID (DIALOG NAME) 9/87
000038         STRAUDAT DS    PL4                 DATE BIND COMMAND ISSUED       9/87
00003C         STRAUTIM DS    F                   TIME BIND COMMAND ISSUED       9/87
000040                 DS    2F                  RESERVED
        00048  STRAHDLN EQU   *-STR               LENGTH OF ADS STATS HEADER
000048         STRASAB  DS    0F                  START OF ASAB
000048         STRADVER DS    H                   DIALOG VERSION NUMBER
                       PRINT NOGEN
               STRAINA  #FLAG X'80'               ON IF INITIAL ACCEPT DONE FOR TSB
               STRALKL  #FLAG X'40'               ON IF INITIAL LINK LEVEL SET
               STRARBA  #FLAG X'20'               ON IF INITIAL RBB ANALYSIS DONE
00004A         STRAFLG1 DS    X                   ASAB FLAG BYTE
                       PRINT GEN
00004B                 DS    X                   RESERVED
               *
               * COUNTERS FOR EXPLICITLY CODED CONTROL COMMANDS
               *
00004C         STRADS   DS    F                   # OF DISPLAY COMMANDS
000050         STRADSC  DS    F                   # OF DISPLAY CONTINUE
000054         STRAIN   DS    F                   # OF INVOKE
000058         STRALND  DS    F                   # OF LINK TO DIALOG
00005C         STRALNP  DS    F                   # OF LINK TO PROGRAM
000060         STRART   DS    F                   # OF RETURN
000064         STRARTC  DS    F                   # OF RETURN CONTINUE
000068         STRATF   DS    F                   # OF TRANSFER
00006C         STRALVD  DS    F                   # OF LEAVE ADS
000070         STRALVP  DS    F                   # OF LEAVE APPLICATION
000074         STRAAB   DS    F                   # OF ABORT
               *
               * COUNTERS FOR IMPLICIT ADS-GENERATED CONTROL COMMANDS
```

```
Offset  Value

                *
000078          STRAIDS  DS    F                   # OF IMPLICIT DISPLAY COMMANDS
00007C          STRAIIN  DS    F                   # OF IMPLICIT INVOKE
000080          STRAILND DS    F                   # OF IMPLICIT LINK TO DIALOG
000084          STRAILNP DS    F                   # OF IMPLICIT LINK TO PROGRAM
000088          STRAIRT  DS    F                   # OF IMPLICIT RETURN
00008C          STRAIRTC DS    F                   # OF IMPLICIT RETURN CONTINUE
000090          STRAITF  DS    F                   # OF IMPLICIT TRANSFER
000094          STRAILVD DS    F                   # OF IMPLICIT LEAVE ADS
000098          STRAILVP DS    F                   # OF IMPLICIT LEAVE APPLICATION
00009C          STRAIAB  DS    F                   # OF IMPLICIT ABORT
                *
                * GENERAL DIALOG EXECUTION STATISTICS
                *
0000A0          STRAPMAP DS    F                   # OF PREMAP PROCESS EXECUTIONS
0000A4          STRARESP DS    F                   # OF RESPONSE PROCESS EXECUTIONS
0000A8          STRASTCL DS    F                   # OF STATS ACCUMULATION CALLS
0000AC          STRAESCG DS    F                   # OF EXPLICIT SCRATCH GETS
0000B0          STRAESCP DS    F                   # OF EXPLICIT SCRATCH PUTS
0000B4          STRAESCD DS    F                   # OF EXPLICIT SCRATCH DELETES
0000B8          STRAWRPR DS    F                   # OF WRITE TO PRINTER COMMANDS
0000BC          STRAPDN  DS    F                   # OF PUT NEW DETAIL COMMANDS
0000C0          STRAPDC  DS    F                   # OF PUT CURRENT DETAIL COMMANDS
0000C4          STRAGD   DS    F                   # OF GET DETAIL COMMANDS
0000C8          STRAFDBS DS    F                   SIZE OF THE FDB
0000CC          STRAVDBS DS    F                   SIZE OF THE VDB
0000D0          STRAHILV DS    H         HIGHEST LINK LEVEL AT WHICH DIALOG EXECUTED
0000D2          STRALOLV DS    H         LOWEST LINK LEVEL AT WHICH DIALOG EXECUTED
                *
                * RBB USAGE STATISTICS
                *
0000D4          STRARBBS DS    F         NUMBER OF TIMES RBB'S PUT TO SCRATCH
0000D8          STRAMSTG DS    F         MOST RBB STORAGE USED (ALL DIALOGS)
0000DC          STRAMFRE DS    F         ... RBB FREE SPACE WHEN MOST STORAGE USED
0000E0          STRALSTG DS    F         LEAST RBB STORAGE USED (ALL DIALOGS)
0000E4          STRALFRE DS    F         ... RBB FREE SPACE WHEN LEAST STORAGE USED
0000E8          STRAMSBF DS    F         MOST RBB SPACE ACQUIRED FOR THIS DIALOG
0000EC          STRALSBF DS    F         LEAST RBB SPACE ACQUIRED FOR THIS DIALOG
0000F0          STRAHRBB DS    H         HIGHEST NUMBER OF RBB'S USED
0000F2          STRALRBB DS    H         LOWEST NUMBER OF RBB'S USED
        000AC   STRADSLN EQU   *-STRASAB           LENGTH OF ASAB
        000F4   STRASLEN EQU   *-STR               LENGTH OF ADS STATS RECORD
                ***
                ***  SQL STATISTICS.  PREFIX = STQ
                ***
0000F4                   ORG   STRFIXE
000008          STQSQL   DS    0F                  START OF SQL STATISTICS     JDM 8/90
000008          STQ#CMD  DS    F                   ..# SQL commands executed   JDM 8/90
00000C          STQ#FET  DS    F                   ..# rows fetched            JDM 8/90
000010          STQ#INS  DS    F                   ..# rows inserted           JDM 8/90
000014          STQ#UPD  DS    F                   ..# rows updated            JDM 8/90
000018          STQ#DEL  DS    F                   ..# rows deleted            JDM 8/90
00001C          STQ#SRT  DS    F                   ..# sorts performed         JDM 8/90
000020          STQ#SRR  DS    F                   ..# rows sorted             JDM 8/90
000024          STQ#SMI  DS    F                   ..minimum rows sorted       JDM 8/90
000028          STQ#SMX  DS    F                   ..maximum rows sorted       JDM 8/90
00002C          STQ#AMC  DS    F                   ..# AM recompiles           JDM 8/90
000030                   DS    8F                  ..reserved for expansion    JDM 8/90
                *
000050          STQEND   DS    0F                  END OF SQL STATS
        00050   STQLEN   EQU   *-STR               LENGTH OF SQL STATS
                ***
                ***  Statistics by area-file
                ***
000050                   ORG   STRFIXE
000008          STRAFWR# DS    F                   # of physical writes
```

```
Offset  Value

00000C          STRAFRD# DS    F                   # of physical reads
000010          STRAFBH# DS    F                   # of buffer hits
000014          STRAFPH# DS    F                   # of prefetch hits
000018          STRAFER# DS    F                   # of ESA reads
00001C          STRAFEH# DS    F                   # of ESA hits
000020          STRAFEW# DS    F                   # of ESA writes
000024          STRAFHR# DS    F                   # of Shared Cache (HPCS) reads
000028          STRAFHH# DS    F                   # of Shared Cache (HPCS) hits
00002C          STRAFHW# DS    F                   # of Shared Cache (HPCS) writes
000030          STRAFHX# DS    F                   # of Shared Cache (HPCS) wr.fail
        00034   STRAFLEN EQU   *-STR               Length of area-file stats block
000034                   ORG
        000F4   STRDSLEN EQU   *-STR               STRDS DSECT LENGTH
```

1.142 #SVXDS

```
                         COPY #SVXDS
                ********************************************************************
                ***                                                              ***
                *** SVX: SVC EXTENSION DSECT.                                    ***
                ***                                                              ***
                ********************************************************************

Offset  Value

000000          SVX      DSECT                           08:01:22 12/17/86   03/09/92
                ********************************************************************
                * THE SVC EXTENSION HAS ONE HEADER, AS DESCRIBED BELOW.             *
                * NOTE: TOTAL BYTES IN SVC EXTENTION IS STORED IN ESESVXLN.         *
                *       SO, NBR OF FREE BYTES = ESESVXLN - SVXAMTUS.                *
                ********************************************************************
000000          SVXAMTUS DS    H                   AMOUNT OF BYTES USED IN SVC EXTEN.
000002                   DS    H                   *UNUSED*
        00004   SVXFIXHL EQU   *-SVXAMTUS          LENGTH OF FIXED HEADER.
                ********************************************************************
                * THERE ARE N ITEMS WITHIN THE EXTENSION, N > OR = 0.               *
                *                                                                   *
                * ADDRESS OF FIRST ITEM = A(ERE) + ESESOXOF + ESESOXLN + SVXFIXHL   *
                * ADDRESS OF NEXT  ITEM = CURRENT_ADDR + SVXFIXIL + SVXITMLN        *
                *                                                                   *
                * "C" IN 1ST BYTE OF SVXITMID MARKS CULLINET'S ITEMS.               *
                * USER ITEMS MUST NOT HAVE "C" IN 1ST BYTE OF THE ID.               *
                *                                                                   *
                * IF AN SVCX ITEM EXISTS WITH AN ID OF "UA", THE FIRST 40 BYTES OF  *
                * THAT ITEM'S DATA GETS WRITTEN IN THE TASK STATISTICS RECORD.      *
                * IF NO "UA" ITEM EXISTS, THE DATA FROM THE FIRST ITEM GETS USED.   *
                *                                                                   *
                * BEFORE LAYING DOWN A NEW EXTENSION, MAKE SURE THAT YOU DON'T      *
                * EXCEED THE LENGTH STORED IN ESESVXLN.                             *
                ********************************************************************
000004          SVXITEM  DS    0H                  ONE ITEM.
000004          SVXITMLN DS    H                   LENGTH OF SVXITEMD.
000006          SVXITMID DS    CL2                 ITEM'S ID.
        0E4C1   SVXUACCT EQU   C'UA'                ID FOR USER ACCOUNTING DATA.
        00004   SVXFIXIL EQU   *-SVXITEM            LENGTH OF FIXED PART OF ITEM.
000008          SVXITEMD DS    0C                  ITEM DATA. LENGTH IS VARIABLE.
```

1.143 #SYMDS

```
                         #DMCLDS TYPE=SYMDS
                ********************************************************************

                *        SYM (SYMBOLICS) runtime DMCL control block                *
                ********************************************************************
Offset  Value

000000          SYM      DSECT
000000          SYM40    DS    CL4       'SY40'
000004          SYMFLAG1 DS    XL1       flag 1
000005          SYMFLAG2 DS    XL1       flag 2
        00008   SYMDROP  EQU   X'08'       -  VARY DMCL detected DROPPED SYMBOLIC
        00004   SYMNEW   EQU   X'04'       -  VARY DMCL detected NEW SYMBOLIC
        00002   SYMVARY  EQU   X'02'       -  VARY DMCL caused this SY40 to VARY
        00001   SYMDEAD  EQU   X'01'       -  VARY DMCL made this SY40 DEAD
000006          SYMSRCH  DS    0CL20     Search key
000006          SYMNAME  DS    CL18      SYMBOLIC name
000018          SYMTYPE  DS    H         SYMBOLIC type
                *                             00 - The entire AREA page range
                *                             01 - A symbolic SUBAREA page range
                *                             02 - A symbolic PAGE displacement
                *                             03 - A symbolic INDEX clause
00001A                   DS    H         ***  reserved  ***
00001C          SYMVALUE DS    0F        SYMBOLIC values
00001C          SYMLOPG  DS    F           -  LOW page
000020          SYMHIPGC DS    F           -  CALC HIGH page
000024          SYMHIPG  DS    F           -  HIGH page
000028                   ORG   SYMVALUE
00001C          SYMDSPL  DS    H           -  Record DISPLACEMENT in pages
00001E                   ORG   SYMVALUE
00001C          SYMIXMAX DS    H           -  INDEX set BLOCKING count
00001E          SYMIXDSP DS    H           -  INDEX set SR8 DISPLACEMENT
000020                   ORG   ,
000028          SYMDMN   DS    A         next in DM58-SY40
00002C          SYMPRN   DS    A         next in PR60-SY40
000030          SYMEND   DS    0F        end of DSECT
        00030   SYMDSLEN EQU   *-SYM     length of DSECT
```

1.144 #TBHDS

```
                 COPY #TBHDS
        ************************************************************************
        ***                                                                  ***
        *** TBH:   GENERIC TABLE HEADER DEFINITION DSECT.                    ***
        ***                                                                  ***
        ************************************************************************

Offset  Value

000000          TBH      DSECT                           05/27/90 13:57:41
000000          TBHN     DS    H                   NUMBER OF ENTRIES IN TABLE.
000002          TBHELEN  DS    H                   LENGTH IN BYTES OF ONE ENTRY.
000004          TBHKEYOF DS    H                   OFFSET IN BYTES OF KEY IN ENTRY.
000006          TBHKEYL  DS    XL1                 LENGTH OF KEY IN BYTES.
                *
                TBHNDX   #FLAG X'80'               TABLE IS INDEXED.
000007          TBHNDXI  DS    0XL1
        00080   TBHNDXM  EQU   X'80'
                TBHLIN   #FLAG X'40'               TABLE TO BE SEARCHED LINEARLY.
000007          TBHLINI  DS    0XL1
        00040   TBHLINM  EQU   X'40'
                TBHBIN   #FLAG X'20'               TABLE TO BE SEARCHED BINARILY.
000007          TBHBINI  DS    0XL1
        00020   TBHBINM  EQU   X'20'
                TBHHEX   #FLAG X'10'               TABLE KEY IS HEXADECIMAL
000007          TBHHEXI  DS    0XL1
        00010   TBHHEXM  EQU   X'10'
                TBHDTE   #FLAG X'08'               TABLE IS DYNAMICALLY EXTENDABLE.
000007          TBHDTEI  DS    0XL1
        00008   TBHDTEM  EQU   X'08'
                TBHSORT  #FLAG X'04'               TABLE IS SORTED.
000007          TBHSORTI DS    0XL1
        00004   TBHSORTM EQU   X'04'
                TBHIDMS  #FLAG X'02'               TABLE IS AN IDMS CONTROL BLOCK
000007          TBHIDMSI DS    0XL1
        00002   TBHIDMSM EQU   X'02'
                TBHRANG  #FLAG X'01'               IDMS BLOCK SORTED BY PAGE RANGE
000007          TBHRANGI DS    0XL1
        00001   TBHRANGM EQU   X'01'
000007          TBHFLAG  DS    XL1                 FLAGBYTE.
                *
000008          TBHSTART DS    A                   POINTER TO START OF TABLE.
        0000C   TBHDSLEN EQU   ((*-TBH+3)/4)*4     LENGTH OF DSECT.
```

1.145 #TBKDS

```
                         COPY #TBKDS
                ************************************************************************
                ***
                ***   TBK: Transaction Block
                ***
                ************************************************************************

Offset  Value

000000          TBK      DSECT                          05/23/90 17:45:46   08/23/94
000000          TBKID    DS    CL4                 Eye catcher
000004          TBKXID   DS    F                   Transaction id
000008          TBKFVIB  DS    A                   First VIB in this transaction
00000C          TBKLVIB  DS    A                   Last VIB in this transaction
000010                   DS    F                   --Reserved--
000014          TBKJTSEQ DS    CL8                 Jrnl seq. no. for current svpt
00001C          TBKJTBFN DS    F                   Number of journal BFOR images
000020          TBKJTAFN DS    F                   Number of journal AFTR images
                TBKAEH   #FLAG X'80'                 Auto-event handlers are reg'd
000024          TBKAEHI  DS    0XL1
        00080   TBKAEHM  EQU   X'80'
                TBKBFOR  #FLAG X'40'                 Before images have been jrnl'd
000024          TBKBFORI DS    0XL1
        00040   TBKBFORM EQU   X'40'
                TBKCKPT  #FLAG X'20'                 Txn included in CKPT record
000024          TBKCKPTI DS    0XL1
        00020   TBKCKPTM EQU   X'20'
                TBKPIOP  #FLAG X'10'                 IOP acquired for transaction
000024          TBKPIOPI DS    0XL1
        00010   TBKPIOPM EQU   X'10'
                TBKXEND  #FLAG X'08'                 Txn is ending
000024          TBKXENDI DS    0XL1
        00008   TBKXENDM EQU   X'08'
                TBKUPDT  #FLAG X'04'                 Update occurred since last
000024          TBKUPDTI DS    0XL1
        00004   TBKUPDTM EQU   X'04'
                *                                      since last comt or rbck
                TBKJBGN  #FLAG X'02'                 BGIN checkpoint has been written
000024          TBKJBGNI DS    0XL1
        00002   TBKJBGNM EQU   X'02'
                TBKBGWT  #FLAG X'01'                 ON  - Write BGIN chkpt at 1st
000024          TBKBGWTI DS    0XL1
        00001   TBKBGWTM EQU   X'01'
                *                                          real update
                *                                    OFF - Write BGIN chkpt at 1st
                *                                          functional call
000024          TBKFLAG1 DS    XL1                 Transaction flags
                *
                TBKRCVY  #FLAG X'80'                 Recovery transaction        R150
000025          TBKRCVYI DS    0XL1
        00080   TBKRCVYM EQU   X'80'
                TBKJARE  #FLAG X'02'                 AREA JRNL RECS PENDING IDMS/1678
000025          TBKJAREI DS    0XL1
        00002   TBKJAREM EQU   X'02'
                TBKJRNL  #FLAG X'01'                 Journalling active
000025          TBKJRNLI DS    0XL1
        00001   TBKJRNLM EQU   X'01'
000025          TBKFLAG2 DS    XL1                 Transaction flags
000026          TBKLEN   DS    H                   Length of TBK
000028                   DS    A                   Reserved
00002C          TBKNCCE  DS    A                   Next TBK in CCE-TBK chain
000030          TBKPCCE  DS    A                   Prior TBK in CCE-TBK chain
000034          TBKLID1  DS    CL4                 Local task id ('DBDC')
```

```
Offset  Value

000038          TBKLID2  DS    F                   Local task id (task number)
00003C          TBKIOPA  DS    F                   Address of IOP for trans.
000040          TBKLTEA  DS    F                   Owning LTE address
000044          TBKBJSEQ DS    CL8                 BGIN journal sequence no.
00004C                   DS    3F                  Reserved
        00058   TBKFNDLN EQU   ((*-TBK+3)/4)*4     Length of TBK foundation
000058          TBKEXT   DS    0A                  TBK extension
        00058   TBKDSLEN EQU   ((*-TBK+3)/4)*4     Length of TBK
```

1.146 #TBTDS

```
                         COPY #TBTDS
                *******************************************************************
                ***   TBTDSECT IS A DSECT THAT DEFINES THE SDES-044 RECORD OR     ***
                ***   MODCMT-084 RECORD WHEN THEY ARE USED TO CONTAIN A           ***
                ***   'SOURCE' DC TABLE USED BY THE DC MAPPING COMPILER.          ***
                *******************************************************************

Offset  Value

000000          TBTDSECT DSECT                           04:02:38 05/29/86
000000          TBTREC   DS    0CL108            TABLE ENTRY RECORD
000000          TBTSEQ   DS    F                 COMMENT SEQ NUMBER
000004          TBTVAL1S DS    H                 VALUE-1 LENGTH
000006          TBTVAL2S DS    H                 VALUE-2 LENGTH (-1 IF NO 2ND VALUE)
000008          TBTVAL1  DS    CL34              VAL-1 AREA (HOLDS 1ST OR ONLY VALUE)
00002A          TBTVAL2  DS    CL62              VAL-2 AREA (HOLDS 2ND VALUE IF ANY)
000068                   ORG   TBTVAL1
                *
                ***********  BEGIN OF 'OBJECT' TABLE HEADER INFORMATION  ************
                *
000008          TBTHDR   DS    0X            TABLE HEADER INFORMATION
000008          TBTN     DS    H                 NUMBER OF ENTRIES IN TABLE
00000A          TBTELEN  DS    H                 LENGTH IN BYTES OF LARGEST ENTRY
00000C          TBTKEYOF DS    H                 KEY OFFSET
00000E          TBTKEYL  DS    XL1               LENGTH OF KEY
                TBTLIN   #FLAG X'40'             TABLE TO BE SEARCHED LINEARLY
00000F          TBTLINI  DS    0XL1
        00040   TBTLINM  EQU   X'40'
                TBTBIN   #FLAG X'20'             TABLE TO BE SEARCHED BINARILY
00000F          TBTBINI  DS    0XL1
        00020   TBTBINM  EQU   X'20'
00000F          TBTFLAG1 DS    XL1               FLAG-1 BYTE
000010          TBTSTART DS    A                 POINTER TO START OF TABLE
000014          TBTLTABL DS    F                 TOTAL LENGTH OF 'OBJECT' TABLE TEXT
                TBTLIST  #FLAG X'80'             TYPE OF LIST  (ON=VALID,OFF=INVALID)
000018          TBTLISTI DS    0XL1
        00080   TBTLISTM EQU   X'80'
                TBTSCOD  #FLAG X'40'             BINARY SEARCH (ON=ENCODE,OFF=DECODE)
000018          TBTSCODI DS    0XL1
        00040   TBTSCODM EQU   X'40'
                TBTTYP1  #FLAG X'20'             ENCODE FORMAT (ON=NUMERIC,OFF=ALPHA)
000018          TBTTYP1I DS    0XL1
        00020   TBTTYP1M EQU   X'20'
                TBTTYP2  #FLAG X'10'             DECODE FORMAT (ON=NUMERIC,OFF=ALPHA)
000018          TBTTYP2I DS    0XL1
        00010   TBTTYP2M EQU   X'10'
                TBTSORT  #FLAG X'08'             TABLE       (ON=SORTED,OFF=UNSORTED)
000018          TBTSORTI DS    0XL1
        00008   TBTSORTM EQU   X'08'
                TBTDUPL  #FLAG X'04'             DUPLICATES  (ON=ALLOW,OFF=NOT ALLOW)
000018          TBTDUPLI DS    0XL1
        00004   TBTDUPLM EQU   X'04'
                TBTCTCH  #FLAG X'02'             CATCH ALL ACTIVE     (ON=YES,OFF=NO)
000018          TBTCTCHI DS    0XL1
        00002   TBTCTCHM EQU   X'02'
                TBTEDIT  #FLAG X'01'             TYPE OF TABLE     (ON=EDIT,OFF=CODE)
000018          TBTEDITI DS    0XL1
        00001   TBTEDITM EQU   X'01'
000018          TBTFLAG2 DS    XL1               FLAG-2 BYTE
000019          TBTPOS1  DS    XL1               VAL-1 NUMERIC DECIMAL POSITION= 0-15
00001A          TBTPOS2  DS    XL1               VAL-2 NUMERIC DECIMAL POSITION= 0-15
```

```
               TBTTYP3  #FLAG X'20'             ENCODE FORMAT (ON=GRAPHICS)      BZJ
00001B         TBTTYP3I DS    0XL1
        00020  TBTTYP3M EQU   X'20'
               TBTTYP4  #FLAG X'10'             DECODE FORMAT (ON=GRAPHICS)      BZJ
00001B         TBTTYP4I DS    0XL1
        00010  TBTTYP4M EQU   X'10'
00001B         TBTFLAG3 DS    XL1               FLAG-3 BYTE                      BZJ
        00014  TBTHDLEN EQU   *-TBTHDR    LENGTH OF 'OBJECT' TABLE HEADER (20 BYTES)
               *
               *************  END OF 'OBJECT' TABLE HEADER INFORMATION  ************
               *
00001C         TBTLINSZ DS    F                 BASIC CALCULATED LINEAR TABLE SIZE
000020         TBTECALL DS    H                 ENCODE CATCH-ALL VALUE SIZE
000022         TBTDCALL DS    H                 DECODE CATCH-ALL VALUE SIZE
000024         TBTMAXE  DS    H                 NBR OF ENTRIES WITH MAX ENCODE SIZE
000026         TBTMAXD  DS    H                 NBR OF ENTRIES WITH MAX DECODE SIZE
000028         TBTESIZE DS    XL1               MAXIMUM ENCODE SIZE
000029         TBTDSIZE DS    XL1               MAXIMUM DECODE SIZE
00002A                  DS    CL62              FILLER FOR REST OF HEADER AREA
000068         TBTNSTID DS    F                 COMMENT ID TYPE (-8=EDIT, -9=CODE)
        0006C  TBTDSLEN EQU   *-TBTDSECT        TOTAL RECORD LENGTH (108 BYTES)
```

1.147 #TBXDS

```
                         COPY #TBXDS
                ******************************************************************
                *        #TBXDS                                                 *
                *               Transaction variables and statics               *
                *                                                               *
                *****************************************************************

Offset  Value

000000          TBX      DSECT                          05/25/90 22:04:10   11/16/92
000000          TBXAMHA  DS    A                   -->AMH of transaction.
000004          TBXHRBA  DS    A                   -->HLDB's HRB.
000008          TBXHSBA  DS    A                   -->HSB from SUSPEND.
00000C          TBXDRBA  DS    A                   -->DDAM's DRB.
000010          TBXDSBA  DS    A                   -->DSB from SUSPEND.
000014          TBXMLKCA DS    A                   -->Main LKC.
000018          TBXCLKCA DS    A                   -->Current LKC.
00001C          TBXKLKCA DS    A                   -->Kept LKC.
000020          TBXSQLIA DS    A                   -->SQLI's work area
000024          TBXDSICB DS    A                   -->DSICB of txn.
000028          TBXAMCAA DS    A                   -->AMC anchor block
                *
00002C                   DS    2F                  -reserved-
000034          TBXOCUR# DS    H                   Number of open cursors, from HLDB.
000036                   DS    H                   -reserved-
                *
                *   Txn options:
                *
                TBX      #SQLOPTS ,                Generate txn options.
000038          TBXQOPTS DS   0FL4
000038          TBXQDBTY DS    FL1                 database type code:
        00000   TBXQIDMS EQU   0                      0 - IDMS
        00001   TBXQSQLI EQU   1                      1 - SQLI
                *        #FLAG 1                      transient
000039          TBXQTRAI DS    0XL1
        00001   TBXQTRAM EQU   1
                *        #FLAG 2                      current
000039          TBXQCURI DS    0XL1
        00002   TBXQCURM EQU   2
                *        #FLAG 4                      consistent
000039          TBXQCONI DS    0XL1
        00004   TBXQCONM EQU   4
                *        #FLAG 8                      repeatable
000039          TBXQREPI DS    0XL1
        00008   TBXQREPM EQU   8
                *        #FLAG 15                     all of the above
000039          TBXQISOI DS    0XL1
        0000F   TBXQISOM EQU   15
000039          TBXQISO  DS    FL1                 Isolation mode
                *        #FLAG X'00'                  NULL syntax std
00003A          TBXQNULI DS    0XL1
        00000   TBXQNULM EQU   X'00'
                *        #FLAG X'01'                  enforce
00003A          TBXQENFI DS    0XL1
        00001   TBXQENFM EQU   X'01'
                *        #FLAG X'02'                  warn
00003A          TBXQWRNI DS    0XL1
        00002   TBXQWRNM EQU   X'02'
                *        #FLAG X'10'                  SQL89/FIPS syntax std
00003A          TBXQS89I DS    0XL1
        00010   TBXQS89M EQU   X'10'
                *        #FLAG X'13'                  all of the above
00003A          TBXQSYNI DS    0XL1
```

```
Offset  Value

        00013  TBXQSYNM EQU   X'13'
00003A         TBXQSYN  DS    FL1                 Syntax level
               *        #FLAG 1                      read only
00003B         TBXQTROI DS    0XL1
        00001  TBXQTROM EQU   1
               *        #FLAG 2                      read write
00003B         TBXQTRWI DS    0XL1
        00002  TBXQTRWM EQU   2
               *        #FLAG 3                      all of the above
00003B         TBXQTXSI DS    0XL1
        00003  TBXQTXSM EQU   3
00003B         TBXQTXS  DS    FL1                 Transaction state
               *
00003C         TBXQAMNM DS    CL8                 Current Access Module name
000044         TBXQDBNM DS    CL8                 Current DBname
00004C         TBXQSCHN DS    CL18                Current Schema name
               *
00005E         TBXQDTOP DS    XL1                 Datetime format option:
               *                                     1st nibble is Date format:
        00000  TBXQDANS EQU   B'00000000'               ANSI
        00010  TBXQDISO EQU   B'00010000'               ISO
        00020  TBXQDUSA EQU   B'00100000'               IBM USA
        00030  TBXQDEUR EQU   B'00110000'               IBM Europe
        00040  TBXQDJIS EQU   B'01000000'               JIS
               *                                     2nd nibble is Time format:
        00000  TBXQTANS EQU   B'00000000'               ANSI
        00001  TBXQTISO EQU   B'00000001'               ISO
        00002  TBXQTUSA EQU   B'00000010'               IBM USA
        00003  TBXQTEUR EQU   B'00000011'               IBM Europe
        00004  TBXQTJIS EQU   B'00000100'               JIS
               *
               *        #FLAG X'01'                  DB2 Source Transparency
00005F         TBXQD2SI DS    0XL1
        00001  TBXQD2SM EQU   X'01'
               *        #FLAG X'02'                  DB2 Object Transparency
00005F         TBXQD2OI DS    0XL1
        00002  TBXQD2OM EQU   X'02'
               *        #FLAG X'03'                  Client in DB2Transparency mode
00005F         TBXQD2TI DS    0XL1
        00003  TBXQD2TM EQU   X'03'
               *        #FLAG X'04'                  Set session..TR options issued
00005F         TBXQSSXI DS    0XL1
        00004  TBXQSSXM EQU   X'04'
00005F         TBXQFLAG DS    XL1                 General purpose flags
               *
        00028  TBXQOPTL EQU   *-TBXQOPTS           sizeof options block
               *
               *
               *   The following flags identify commands which may only be issued
               *   prior to the logical start of transaction. Once the txn
               *   has logically begun, all these flags are set on.
               *
               TBX#BGN  #FLAG X'80'                BEGIN WORK issued
000060         TBX#BGNI DS    0XL1
        00080  TBX#BGNM EQU   X'80'
               TBX#SAM  #FLAG X'40'                SET AM issued
000060         TBX#SAMI DS    0XL1
        00040  TBX#SAMM EQU   X'40'
               TBX#STX  #FLAG X'20'                SET TXN issued
000060         TBX#STXI DS    0XL1
        00020  TBX#STXM EQU   X'20'
               TBX#LST  #FLAG X'E0'                All on if logical start of txn
000060         TBX#LSTI DS    0XL1
        000E0  TBX#LSTM EQU   X'E0'
000060         TBXSOTF  DS    X                   Start of txn flags.
               *
```

```
Offset  Value

000061                  DS    XL1                 -vacant-
                *
                TBX#DDA  #FLAG X'80'              DDAM started transaction
000062          TBX#DDAI DS    0XL1
        00080   TBX#DDAM EQU   X'80'
                TBX#UTL  #FLAG X'40'              UTIL started transaction
000062          TBX#UTLI DS    0XL1
        00040   TBX#UTLM EQU   X'40'
                TBX#XSC  #FLAG X'20'              External security in effect
000062          TBX#XSCI DS    0XL1
        00020   TBX#XSCM EQU   X'20'
                TBX#DDL  #FLAG X'10'              DDL done since last VIB merge
000062          TBX#DDLI DS    0XL1
        00010   TBX#DDLM EQU   X'10'
000062          TBXMISF  DS    X                  Misc flags.
                *
000063                  DS    XL1                 -reserved-
                *
000064          TBXLTRTB DS    F                  Ptr to charset encode/decode TR tabs
000068                  DS    2F                  -reserved-
                *
000070          TBXPCID  DS    H                  Cursor id of SYSPCH Cursor
000072          TBXLCID  DS    H                  Cursor id of SYSLST Cursor
                *
000074          TBXCPGM  DS    CL8                nDML: bind application prog name
                *                                  SQL: current application prog name
                *
00007C          TBXCLNO  DS    F                  Current source line number.
000080          TBXCVIB  DS    A                  Current VIB address
                *
000084          TBXAAT   DS    H                  Area acquisition threshold
000086          TBXAAL#  DS    H                  Area acquisition retry cnt
                *
000088          TBXDATE  DS    CL8                Transaction date/time in internal format
000090          TBXTIME  DS    CL8                Not Used
                *
000098          TBXSTAT  DS   0F                  Txn statistics:
000098          TBXSTATQ DS   0F                  Txn SQL statistics:
000098          TBXS#CMD DS    F                   # SQL commands executed
00009C          TBXS#FET DS    F                   # rows fetched
0000A0          TBXS#INS DS    F                   # rows inserted
0000A4          TBXS#UPD DS    F                   # rows updated
0000A8          TBXS#DEL DS    F                   # rows deleted
0000AC          TBXS#SRT DS    F                   # sorts performed
0000B0          TBXS#SRR DS    F                   # rows sorted
0000B4          TBXS#SMI DS    F                   min rows sorted
0000B8          TBXS#SMX DS    F                   max rows sorted
0000BC          TBXS#AMC DS    F                   # AM recompiles
0000C0                  DS    8F                   -reserved for expansion-
        00048   TBXSSQLL EQU   *-TBXSTAT           L' SQL stats.
                *
0000E0          TBXDBST  DS    0F                 Txn basic DBMS statistics:
0000E0          TBX#PGRD DS    F                    # Pages read
0000E4          TBX#PGWR DS    F                    # Pages written
0000E8          TBX#PGRQ DS    F                    # Pages requested
0000EC          TBX#CALT DS    F                    # CALC records stored on target
0000F0          TBX#CALO DS    F                    # CALC records overflowed
0000F4          TBX#VIAT DS    F                    # VIA records stored on target
0000F8          TBX#VIAO DS    F                    # VIA records overflowed
0000FC          TBX#RCRQ DS    F                    # Records requested
000100          TBX#RCCU DS    F                    # Records made current of TR
000104          TBX#CALL DS    F                    # Calls to DBMS
000108          TBX#FRAG DS    F                    # Fragments stored
00010C          TBX#RELO DS    F                    # Records relocated
        00030   TBXDBSLN EQU   *-TBXDBST           Length of basic DBMS stats
                *
```

```
Offset  Value

000110          TBXSTATL DS   0F                  Txn Locking stats:
000110          TBXTLKA  DS    F                    Total locks acquired
000114          TBX#LKS  DS    F                    # of share locks held
000118          TBX#LKNS DS    F                    # of non-share locks held
00011C          TBXTLKF  DS    F                    Total locks freed
        00010   TBXSLOKL EQU   *-TBXSTATL          L' locking stats
                *
000120          TBXIXSTA DS    0F                  Txn extended DBMS statistics:
000120          TBX#SPLT DS    F                    # of SR8 splits
000124          TBX#SPWN DS    F                    # of SR8 spawns
000128          TBX#SR8S DS    F                    # of SR8s stored
00012C          TBX#SR8D DS    F                    # of SR8s erased
000130          TBX#SR7S DS    F                    # of SR7s stored
000134          TBX#SR7D DS    F                    # of SR7s erased
000138          TBX#BISR DS    F                    # of B-tree searches
00013C          TBX#LEVL DS    F                    # of B-tree levels searched
000140          TBX#ORPH DS    F                    # of orphans adopted
000144          TBX#ISRL DS    H                    # of levels searched - best case
000146          TBX#ISRH DS    H                    # of levels searched - worst case
        00028   TBXIXSTL EQU   *-TBXIXSTA          Length of extended stats
                *
000148          TBXUPCNT DS    F                    # of records updated
                *
        000B4   TBXTSL   EQU   *-TBXSTAT           Length of transaction statistics
                *
00014C          TBXLKWK  DS    0F                  Lock statistic work fields
00014C          TBX#AS   DS    F                    # share locks acq. this call
000150          TBX#FS   DS    F                    # share locks freed this call
000154          TBX#ANS  DS    F                    # non-share locks acq. this call
000158          TBX#FNS  DS    F                    # non-share locks freed this call
        00010   TBXLKWKL EQU   *-TBXLKWK           Length of lock work fields
                *
        000C4   TBXSTALN EQU   *-TBXSTAT           L' stats-related fields
                *
00015C                   DS    XL24                Reserved
                *
000174          TBXPGM   DS    CL8                 nDML: current application prog name
                *                                   SQL: current application prog name
                *
        0017C   TBXDSLEN EQU   ((*-TBX+3)/4)*4     Length of TBX.
```

1.148 #TCADS

```
                 COPY #TCADS
        ************************************************************************
        ***                                                                  ***
        *** TCA:   TASK CONTROL AREA (DCE/TCE) HEADER DSECT                  ***
        ***                                                                  ***
        ************************************************************************

Offset  Value

000000          TCA      DSECT                          12/08/88 16:30:09   08/23/93
000000          TCAFREE  DS    A                   HEADER FOR FREE LIST DCE CHAIN.
000004          TCADCEBA DS    A                   START ADDRESS OF DCE AREA.
000008          TCATCEBA DS    A                   START ADDRESS OF TCE AREA.
00000C          TCAECB   DS    3F                  ECB FOR TASK WAITING FOR DCE.
000018          TCANTASK DS    H                   NUMBER OF DCE/TCE'S IN AREA.
                *
                TCATWTG  #FLAG X'80'               SOME TASK WAITING ON TCAECB.
00001A          TCATWTGI DS    0XL1
        00080   TCATWTGM EQU   X'80'
                TCANEWT  #FLAG X'40'               INDICATES DCE ON TCANEWT QUEUE
00001A          TCANEWTI DS    0XL1
        00040   TCANEWTM EQU   X'40'
                *
00001A          TCAFLAG  DS    XL1                 TCA FLAG BYTE.
00001B                   DS    XL1                 RESERVED.
00001C          TCANEWT  DS    F                   QUEUE OF NEW TASKS TO DISPATCH
000020          TCATCELN DS    F                   TCE LENGTH
000024          TCAATC   DS    F                   COUNT OF ACTIVE TCE'S
000028          TCASTKA  DS    F                   TCEstack area start address
00002C          TCARSV1  DS    H                   Count of reserved TCEs requested
00002E          TCARSV2  DS    H                   Count of reserved TCEs allocated
000030          TCARSVCR DS    H                   Count of reserved TCEs running
000032                   DS    H                   AVAILABLE
000034                   DS    F                   AVAILABLE
000038                   DS    F                   AVAILABLE
00003C                   DS    F                   AVAILABLE
        00040   TCADSLEN EQU   ((*-TCA+7)/8)*8     LENGTH OF DSECT (DOUBLE ALIGNED)
```

1.149 #TCEDS

```
                        COPY #TCEDS

Offset  Value

000000          TCE      DSECT                                            06/06/00
                ********************************************************************
                ***                                                              ***
                *** TCE:   TASK CONTROL ELEMENT DSECT                            ***
                ***                                                              ***
                ********************************************************************
000000          TCEID    DS    CL4                 'TCE*' LITERAL IDENTIFICATION.
000004          TCETSKID DS    F                   TASK IDENTIFICATION.
000008          TCETRLEA DS    2A                  TASK RLE/RCE ANCHOR.
000010          TCEPRLEA DS    2A                  PROGRAM RLE/RCE ANCHOR.
000018          TCESRLEA DS    2A                  CURRENT SCRATCH ID RLE/RCE ANCHOR.
000020          TCEQRLEA DS    2A                  CURRENT QUEUE NAME RLE/RCE ANCHOR.
000028          TCEACEA  DS    A                   ACE ADDRESS IF ABEND IN PROGRESS.
00002C          TCECPRGM DS    A                   ADDR OF RCE FOR CURRENT PROGRAM
000030          TCECRSAA DS    A                   ADDR OF CURRENT REG SAVE AREA.
000034          TCEDCEA  DS    A                   ADDR OF DISPATCH CONTROL ELEMENT.
000038          TCEMRLEA DS    2A                  Storage RLE/RCE anchor.
000040          TCEEXABC DS    CL4                 EXTERNAL ABEND CODE.
000044          TCEITINA DS    F                   TIME AT WHICH TASK WILL STALL OUT
000048          TCELSTC  DS    XL4                 LAST CALL TRACE WORD.
00004C          TCELTEA  DS    A                   ADDR OF LTE.
000050          TCERPEA  DS    A                   (#PRINT) REPORT ELEMENT ADDRESS
000054          TCEQDEA  DS    A                   Q DEF ELEM (Q-ATTACHED TASKS ONLY)
000058          TCESONRC DS    A                   ADDR OF SIGNON RCE (FOR SECURITY)
00005C          TCESSSCA DS    A                   ADDR OF SSC FOR SCR/QUE RUN UNIT.
000060          TCESSTAE DS    A                   ADDRESS OF SYSTEM STAE EXIT.
000064          TCESVCA  DS    A                   ADDR. OF SVC WORK SPACE (USER KEY)
000068          TCESTEPA DS    A                   STAE ROUTINE ENTRY ADDRESS.
00006C                   ORG   TCESTEPA
000068          TCESTPGM DS    CL8                 STAE PROGRAM NAME.
000070          TCETDEA  DS    A                   ADDR OF TASK DEFINITION ELEMENT.
000074          TCETSTA  DS    A                   ADDRESS OF TASK STATISTICS AREA.
000078          TCETXEA  DS    A                   TCE EXTENSION ADDRESS.
00007C          TCEINACN DS    H                   TASK STALL TIME INTERVAL.
00007E          TCEINRWY DS    H                   TASK RUNAWAY TIME INTERVAL.
000080          TCEVERID DS    H                   TASK'S VERSION ID NUMBER.
000082          TCEUCVN  DS    X                   UCF INTX CV NUMBER
000083          TCEAMODE DS    X                   AMODE OF CURRENT PROGRAM
        00000   TCEAM24   EQU   0                   VALUE OF 0  - AMODE=24
        00001   TCEAM31   EQU   1                   VALUE OF 1  - AMODE=31
                         #PRT  NOGEN
                         PRINT ON
                         PRINT GEN
                         PRINT NODATA
                TCENSP   #FLAG X'80'  CURRENT PRGM DOESN'T WANT STORAGE PROTECT ON.
000084          TCENSPI  DS    0XL1
        00080   TCENSPM  EQU   X'80'
                TCESTE   #FLAG X'40'               STAE EXIT FOR CURRENT LEVEL.
000084          TCESTEI  DS    0XL1
        00040   TCESTEM  EQU   X'40'
                TCESPGM  #FLAG X'20'               STAE EXIT IS PROGRAM.
000084          TCESPGMI DS    0XL1
        00020   TCESPGMM EQU   X'20'
                TCEUSR   #FLAG X'10'               CURRENTLY, TASK IS USER MODE.
000084          TCEUSRI  DS    0XL1
        00010   TCEUSRM  EQU   X'10'
                TCEABND  #FLAG X'08'               CURRENTLY, TASK IS ABENDING.
000084          TCEABNDI DS    0XL1
        00008   TCEABNDM EQU   X'08'
```

```
Offset  Value

                TCEABIN  #FLAG X'04'              ABEND INACTIVE TASK.
000084          TCEABINI DS    0XL1
        00004   TCEABINM EQU   X'04'
                TCERNWY  #FLAG X'02'              ABEND RUNAWAY TASK.
000084          TCERNWYI DS    0XL1
        00002   TCERNWYM EQU   X'02'
                TCEERUS  #FLAG X'01'              TASK IS ERUS TASK (IDMS CV).
000084          TCEERUSI DS    0XL1
        00001   TCEERUSM EQU   X'01'
000084          TCEFLAG1 DS    XL1
                TCESTRC  #FLAG X'80'              TASK IS TO BE TRACED.
000085          TCESTRCI DS    0XL1
        00080   TCESTRCM EQU   X'80'
                TCESCHK  #FLAG X'40'              STACK CHECKING ON FOR TASK.
000085          TCESCHKI DS    0XL1
        00040   TCESCHKM EQU   X'40'
                TCEEXAB  #FLAG X'20'              EXTERNAL TASK REQUESTED ABEND.
000085          TCEEXABI DS    0XL1
        00020   TCEEXABM EQU   X'20'
                TCENABN  #FLAG X'10'              DON'T ALLOW ABEND IF ON.
000085          TCENABNI DS    0XL1
        00010   TCENABNM EQU   X'10'
                TCEUTRC  #FLAG X'08'              USER MODE TRACING IS ON.
000085          TCEUTRCI DS    0XL1
        00008   TCEUTRCM EQU   X'08'
                TCEDRVR  #FLAG X'04'              THIS IS A DRIVER TASK
000085          TCEDRVRI DS    0XL1
        00004   TCEDRVRM EQU   X'04'
                TCESTEP  #FLAG X'02'              TASK IS EXECUTING STAE EXIT.
000085          TCESTEPI DS    0XL1
        00002   TCESTEPM EQU   X'02'
                TCEFACT  #FLAG X'01'              THIS IS A FACTOTUM TASK
000085          TCEFACTI DS    0XL1
        00001   TCEFACTM EQU   X'01'
000085          TCEFLAG2 DS    XL1
                TCECOBI  #FLAG X'80'              ON IF TASK IS DOING COBOL INIT1.
000086          TCECOBII DS    0XL1
        00080   TCECOBIM EQU   X'80'
                TCEPLIT  #FLAG X'40'              ON IF PL/I ISSUES #ABEND
000086          TCEPLITI DS    0XL1
        00040   TCEPLITM EQU   X'40'
                TCESTKO  #FLAG X'20'              ON IF USING ABEND STORAGE STACK
000086          TCESTKOI DS    0XL1
        00020   TCESTKOM EQU   X'20'
                TCEPRTK  #FLAG X'10'              THIS IS THE PRINTER TASK
000086          TCEPRTKI DS    0XL1
        00010   TCEPRTKM EQU   X'10'
                TCEIDRV  #FLAG X'08'              THIS IS THE INTERACT DRIVER
000086          TCEIDRVI DS    0XL1
        00008   TCEIDRVM EQU   X'08'
                TCEDEAD  #FLAG X'04'              THIS TASK HAS DEADLOCKED
000086          TCEDEADI DS    0XL1
        00004   TCEDEADM EQU   X'04'
                TCEFEPT  #FLAG X'02'              THIS IS UCF F.E. PRINT CONTROLLER
000086          TCEFEPTI DS    0XL1
        00002   TCEFEPTM EQU   X'02'
                TCEARBK  #FLAG X'01'              ROLLBACK IN PROGRESS
000086          TCEARBKI DS    0XL1
        00001   TCEARBKM EQU   X'01'
000086          TCEFLAG3 DS    XL1
                TCERQAB  #FLAG X'80'              REQUEST ABEND THRU RPIOC IN DBMS
000087          TCERQABI DS    0XL1
        00080   TCERQABM EQU   X'80'
                TCEGSDM  #FLAG X'40'              ON IF SCTECB DMGR'D.
000087          TCEGSDMI DS    0XL1
        00040   TCEGSDMM EQU   X'40'
```

```
Offset  Value

                TCESANY  #FLAG X'20'               STORAGE LOCATION IS ANY.
000087          TCESANYI DS    0XL1
        00020   TCESANYM EQU   X'20'
                TCESABN  #FLAG X'10'               ON IF 'ABEND' STARTUP AUTOTASK
000087          TCESABNI DS    0XL1
        00010   TCESABNM EQU   X'10'
                TCERLBD  #FLAG X'08'               LIMT DISABLED ON ABEND  JIC033084
000087          TCERLBDI DS    0XL1
        00008   TCERLBDM EQU   X'08'
                TCEEXIN  #FLAG X'04'               ON IF TIMEOUT ABEND PENDING
000087          TCEEXINI DS    0XL1
        00004   TCEEXINM EQU   X'04'
                TCENOSN  #FLAG X'02'               #ABEND DUMP=NO FOR THIS TASK
000087          TCENOSNI DS    0XL1
        00002   TCENOSNM EQU   X'02'
                TCEQATC  #FLAG X'01'               QUEUE-ATTACHED TASK
000087          TCEQATCI DS    0XL1
        00001   TCEQATCM EQU   X'01'
000087          TCEFLAG4 DS    XL1
                TCESRLE  #FLAG X'80'               TASK BROKE RLE THRESHOLD
000088          TCESRLEI DS    0XL1
        00080   TCESRLEM EQU   X'80'
                TCESRCE  #FLAG X'40'               TASK BROKE RCE THRESHOLD
000088          TCESRCEI DS    0XL1
        00040   TCESRCEM EQU   X'40'
                TCESDPE  #FLAG X'20'               TASK BROKE DPE THRESHOLD
000088          TCESDPEI DS    0XL1
        00020   TCESDPEM EQU   X'20'
                TCESILE  #FLAG X'10'               TASK BROKE ILE THRESHOLD
000088          TCESILEI DS    0XL1
        00010   TCESILEM EQU   X'10'
                TCERNWS  #FLAG X'08'               RUNAWAY TASK RETRY SWITCH OS00
000088          TCERNWSI DS    0XL1
        00008   TCERNWSM EQU   X'08'
                TCESRES  #FLAG TCESRCEM+TCESRLEM+TCESDPEM+TCESILEM
000088          TCESRESI DS    0XL1
        000F0   TCESRESM EQU   TCESRCEM+TCESRLEM+TCESDPEM+TCESILEM
                *                                  SHORT ON ONE OR MORE RESOURCES
                TCESVCS  #FLAG X'04'               SVC SCREENING IS ACTIVE (CMS)
000088          TCESVCSI DS    0XL1
        00004   TCESVCSM EQU   X'04'
                TCESWQ   #FLAG X'02'               SWITCH DRIVER SWQ QUEUED
000088          TCESWQI  DS    0XL1
        00002   TCESWQM  EQU   X'02'
                TCEHLT   #FLAG X'01'               D/B HELOT TASK
000088          TCEHLTI  DS    0XL1
        00001   TCEHLTM  EQU   X'01'
000088          TCEFLAG5 DS    XL1
                TCESRVC  #FLAG X'80'               THIS IS A SERVICE DRIVER TASK
000089          TCESRVCI DS    0XL1
        00080   TCESRVCM EQU   X'80'
                TCESCRN  #FLAG X'40'               SVC SCREENING REQUIRED FOR TCE
000089          TCESCRNI DS    0XL1
        00040   TCESCRNM EQU   X'40'
                TCESVCI  #FLAG X'20'               SVC EMULATION IS ACTIVE
000089          TCESVCII DS    0XL1
        00020   TCESVCIM EQU   X'20'
                TCEIRCT  #FLAG X'10'               #INCR RUN COUNT OF CURRENT PROGRAM
000089          TCEIRCTI DS    0XL1
        00010   TCEIRCTM EQU   X'10'
                TCEIODR  #FLAG X'08'               D/B I/O DRIVER TASK
000089          TCEIODRI DS    0XL1
        00008   TCEIODRM EQU   X'08'
                TCEJNLD  #FLAG X'04'               JOURNAL DRIVER TASK
000089          TCEJNLDI DS    0XL1
        00004   TCEJNLDM EQU   X'04'
```

```
Offset  Value

                TCEIOT   #FLAG X'02'                D/B I/O TASK
000089          TCEIOTI  DS    0XL1
        00002   TCEIOTM  EQU   X'02'
                TCERDDR  #FLAG X'01'                D/B I/O READ DRIVER
000089          TCERDDRI DS    0XL1
        00001   TCERDDRM EQU   X'01'
000089          TCEFLAG6 DS    XL1                  FLAG BYTE 6
00008A          TCELNKSV DS    XL2                  SAVE AREA FOR PCTLLINK ROUTINE
00008C          TCELKWA  DS    A                    ->LKW for LMGR waits
000090          TCETNLTE DS    A                    NEXT LTE ON TCE'S LIST
000094          TCECLTE  DS    A                    Address of LTE being serviced
000098          TCEECB   DS    3F                   GENERALLY USEFUL ECB.
0000A4          TCEPLIST DS    2F,H                 PLIST FOR INTERNAL FUNCTIONS.
0000AE          TCERELNO DS    H                    RELATIVE TCE NUMBER WITHIN TCEAREA
0000B0          TCEPMDA  DS    A                    USED BY PERFORMANCE MONITOR
0000B4          TCECCEPA DS    F                    ERU CCEPROG ADDRESS     JIC040284
0000B8          TCERPSW  DS    2F                   RUNAWAY TASK USER PSW
0000C0          TCERLBA  DS    A                    TASK RESOURCE LIMIT BLL ADDR 3/84
0000C4          TCEEISTG DS    A                    CICS WORK AREA  DKK 08/90
0000C8          TCESITXA DS    A                    ADDRESS OF SQLI TCE EXTENSION
0000CC          TCEBLDRA DS    A                    Address of IDMSBLDR work area
0000D0          TCESTGCA DS    F                    CURRENT STG OWNED BY TASK   10/83
0000D4          TCER1112 DS    2F                   SAVE R11 & R12 DURING WAIT & TRACE
0000DC                   ORG   TCER1112+4
0000D8          TCER1314 DS    F            SAVE R13 OR R14 DURING WAIT OR STACK CHEK
0000DC          TCERSA   DS    16F                  REGISTER SAVE AREA.
00011C          TCESTKBA DS    A                    ADDR OF STACK BEGINNING.
000120          TCESTKEA DS    A                    ADDR OF STACK END.
000124          TCESTKHI DS    A                    ADDR OF HIGH WATER MARK IN STACK.
000128          TCERCINU DS    F                    NUMBER OF RCE'S IN USE
00012C          TCERLINU DS    F                    NUMBER OF RLE'S IN USE
000130          TCEDPINU DS    F                    NUMBER OF DPE'S IN USE
000134          TCESCAA  DS    A                    ADDR OF SCA RUNNING THIS TASK
000138          TCESDMGR DS    0XL2                 STORAGE TYPES WE'VE #DMGR'D
000138          TCESDMGB DS    XL1                  STG TYPES WE'VE #DMGR'D BELOW
000139          TCESDMGA DS    XL1                  STG TYPES WE'VE #DMGR'D ABOVE
                TCEPCK  #FLAG  X'80'                SET IN OS00 WHEN PROGRAM CHECK
00013A          TCEPCKI  DS    0XL1
        00080   TCEPCKM  EQU   X'80'
                TCEUSRM #FLAG  X'40'                SET IN OS00 IF PCK IN USER MODE
00013A          TCEUSRMI DS    0XL1
        00040   TCEUSRMM EQU   X'40'
                TCESPUS #FLAG  X'20'                SET IN OS00 WHEN SPIE IN USE
00013A          TCESPUSI DS    0XL1
        00020   TCESPUSM EQU   X'20'
                TCENABL #FLAG  X'10'                SET BY LOCK WHEN IT SETS TCENABN
00013A          TCENABLI DS    0XL1
        00010   TCENABLM EQU   X'10'
                TCENOLK #FLAG  X'08'                SET IN ABEND WHEN ALL LOCKS RELEASED
00013A          TCENOLKI DS    0XL1
        00008   TCENOLKM EQU   X'08'
                TCEHLDM #FLAG  X'04'                HOLD MPMODE ACROSS #WAIT
00013A          TCEHLDMI DS    0XL1
        00004   TCEHLDMM EQU   X'04'
                TCERELM #FLAG  X'02'                RELEASE MPMODE AT ACTUAL TASKWAIT
00013A          TCERELMI DS    0XL1
        00002   TCERELMM EQU   X'02'
                TCEKDCK #FLAG  TCEHLDMM+TCERELMM    IDMSKEEP DEADLOCK CHECK HOLD MODE
00013A          TCEKDCKI DS    0XL1
        00006   TCEKDCKM EQU   TCEHLDMM+TCERELMM
                TCEBCST #FLAG  X'01'                BROADCAST TASK
00013A          TCEBCSTI DS    0XL1
        00001   TCEBCSTM EQU   X'01'
00013A          TCEFLAG7 DS    X                    FLAG BYTE 7
                TCEGLTE  #FLAG X'80'                #GETLTE IN PROGRESS.
00013B          TCEGLTEI DS    0XL1
```

```
Offset  Value

        00080  TCEGLTEM EQU   X'80'
               TCEAUTO  #FLAG X'40'               START-UP/SHUTDOWN AUTOTASK
00013B         TCEAUTOI DS    0XL1
        00040  TCEAUTOM EQU   X'40'
               TCESGOF  #FLAG X'20'               SIGNOFF & FREE LTE END OF TASK
00013B         TCESGOFI DS    0XL1
        00020  TCESGOFM EQU   X'20'
               TCEMIO   #FLAG X'10'               MULTIPLE I/OS ALLOWED FOR TASK
00013B         TCEMIOI  DS    0XL1
        00010  TCEMIOM  EQU   X'10'
               TCESTRK  #FLAG X'08'               SINGLE TRACK
00013B         TCESTRKI DS    0XL1
        00008  TCESTRKM EQU   X'08'
               TCEJOB   #FLAG X'04'               FOUND JCL JOBCARD (D07Q)
00013B         TCEJOBI  DS    0XL1
        00004  TCEJOBM  EQU   X'04'
               TCECTCO  #FLAG X'02'               ON IF LOADING IGZCTCO
00013B         TCECTCOI DS    0XL1
        00002  TCECTCOM EQU   X'02'
               TCENUCQ  #FLAG X'01'               REQUIRED QUIESCE FOR NUCLEUS RELOAD
00013B         TCENUCQI DS    0XL1
        00001  TCENUCQM EQU   X'01'
00013B         TCEFLAG8 DS    X                   FLAG BYTE 8
00013C         TCEMPMOD DS    H                   CURRENT TASK MPMODE SETTING
00013E         TCEUSRMP DS    H                   DESIRED MPMODE WHEN IN USER MODE
000140         TCEMPILE DS    A                   CURRENT MPMODE ILE
000144         TCELKILE DS    A                   CURRENT LOCKS HELD ILE CHAIN
000148         TCEILINU DS    F                   NUMBER OF ILE'S IN USE
00014C         TCELDLSA DS    F                   ADDRESS OF TASK LOADLIST
000150         TCELSTWT DS    F                   TIME OF LAST WAIT (.0001 SEC)
000154         TCEVTBA  DS    A                   VECTOR TIMING CURRENT VTB ADDR.
000158         TCESWDA  DS    A                   SWITCH DRIVER DDE ADDRESS
00015C         TCECVSA  DS    A                   APPC CONVERSATION CONTROL ADDR*RBK
000160         TCEMPR15 DS    F                   ENTRY ADDRESS PASSED TO MODE
000164         TCEDSPCT DS    F                   DISPATCH COUNT USED BY POSTEXIT
000168         TCERUQS  DS    H                   COUNT OF UPDATING TRANSACTIONS
00016A         TCESSTAT DS    H                   Send/Receive SSCSTAT2 for DML
00016C         TCEEREA  DS    A                   ->ERUS's ERE if TCEERUS
000170         TCEATDEA DS    F                   ALTERNATE TDE FOR ERUS TASKS.
000174         TCEPMIOA DS    F                   ADDRESS OF PERFMON'S IO ANALYZER
000178                  DS    0D                  ENSURE ALIGNMENT
000178         TCESPRGS DS    16F                 TASK SPIE REGISTERS 0-15
0001B8         TCESPDR0 DS    D                   TASK SPIE DBL REG 0
0001C0         TCESPDR2 DS    D                   TASK SPIE DBL REG 0
0001C8         TCESPDR4 DS    D                   TASK SPIE DBL REG 0
0001D0         TCESPDR6 DS    D                   TASK SPIE DBL REG 0
0001D8         TCESPPSW DS    D                   TASK SPIE PSW
0001E0         TCESPILC DS    F                   TASK SPIE INTERRUPT/LENGTH
0001E4         TCEPCXA  DS    F                   PROGRAM CONTEXT BLOCK ADDRESS
0001E8         TCEAAQTH DS    H                   AREA ACQUISITION THRESHOLD
0001EA         TCEAAQRC DS    H                   AREA ACQUISITION RETRY COUNT
0001EC         TCELTES  DS    A                   -->SLTE ANCHOR LTE AT END OF TCE.
0001F0         TCER13   DS    A                   ADDRESS OF R13
0001F4         TCENDBIO DS    F                   DBIO UN-INTERRUPTED CALL COUNTER
0001F8         TCESRCUR DS    F                   Security recursion
0001FC         TCEWKPM  DS    F                   Field used by RHDCWTL and PMHKCXIT
000200         TCEECBAF DS    F                   Pass 2 ECB for affinity.  IDMSDC/751
000204         TCE#LKWA DS    F                   -> Counter for #LOCK waits     *LKW*
               * TCEOWN REMOVED. OWNED FLAG NOW IN DCE AT X'22'            IDMSDC.2013
000208         TCEL37AN DS    F                   LE/370 USER/SYSTEM SWITCH STORAGE
00020C         TCEPMASK DS    X                   PSW PROGRAM MASK FOR USER MODE
00020D                  DS    XL3                 RESERVED FOR PRE-14.0 FIXES
000210         TCEMWTS  DS    D                   Mode Wait Start Time.
000218         TCEMWTE  DS    D                   Mode Wait End Time.
000220         TCEDBUGA DS    F                   DBUG STG Ptr
000224         TCECICSP DS    CL8                 Program name for CICS transactions
```

```
Offset  Value

00022C          TCEECALL DS    F                   Call external routine. B CSAMPMOD
000230          TCEICALL DS    F                   Call internal routine. B CSAICALL
000234          TCEBKSTG DS    F                   Reserved for banking system
000238          TCED0EV  DS    F                   PLE pointer
00023C          TCEDBIOS DS    A                   DBIO Storage Anchor
000240          TCEILEFA DS    F                   Free ILE chain anchor
000244          TCELMGRA DS    F                   Address of LMGR's #LOCK anchor word
000248          TCECTRCA DS    F                   SAS-C Trace Info
00024C          TCELE370 DS    A                   LE/370 environment save chain
000250          TCECTCOA DS    A                   Available IGZCTCO chain
000254          TCELKPA  DS    F                   Address of LMGR's claimed proxy
000258          TCEDATIM DS    XL8                 Date/Time task started         *R150
                TCESEQL  #FLAG X'80'               Sequential logging (BS2K)
000260          TCESEQLI DS    0XL1
        00080   TCESEQLM EQU   X'80'
                *******  #FLAG X'40'               Unused
                TCEWRCV  #FLAG X'20'               Task in a recovery wait
000260          TCEWRCVI DS    0XL1
        00020   TCEWRCVM EQU   X'20'
                TCEMDNO  #FLAG X'10'               Force #WTL MSGDICT=NO
000260          TCEMDNOI DS    0XL1
        00010   TCEMDNOM EQU   X'10'
                TCEABSV  #FLAG X'08'               Saved abend flag across sendmsg
000260          TCEABSVI DS    0XL1
        00008   TCEABSVM EQU   X'08'
                TCEWTLM  #FLAG X'04'               RHDCWTL retrieving message
000260          TCEWTLMI DS    0XL1
        00004   TCEWTLMM EQU   X'04'
                TCEWTLL  #FLAG X'02'               RHDCWTL doing PUTLOG
000260          TCEWTLLI DS    0XL1
        00002   TCEWTLLM EQU   X'02'
                TCEWTLS  #FLAG X'01'               RHDCWTL doing #SENDMSG
000260          TCEWTLSI DS    0XL1
        00001   TCEWTLSM EQU   X'01'
000260          TCEFLAG9 DS    X                   Flag byte 9
000261          TCEFLAGA DS    X                   Flag byte 10
000262                   DS    H                   Reserved for tech support fixes
000264          TCELUSCA DS    A                   A(LE multiple-use enclave USC)  MENC
000268          TCELMNXT DS    A                   LE multiple-use enclave chain   MENC
00026C          TCELPPTA DS    A                   LE MULTIPLE-USE PIPI TABLE ADDR MENC
000270                   DS    28F                 RESERVED FOR TECH SUPPORT FIXES
0002E0          TCESTA13 DS    F                   Below the line R13 save area # 1
0002E4          TCESTA14 DS    10F                 Below the line stack frame
00030C                   DS    F                   Below the line R13 bookend
000310          TCESTASV DS    18F                 Below the line OS save area
000358          TCESTB13 DS    F                   Below the line R13 save area # 2
00035C          TCESTB14 DS    10F                 Below the line stack frame
000384                   DS    F                   Below the line R13 bookend
000388          TCESTBSV DS    18F                 Below the line OS save area
0003D0          TCEXCFMA DS    F                   XCF message header anchor
0003D4          TCEBCEA  DS    F                   XES buffer control element chain
0003D8          TCESAV14 DS    F                   Used by CSAICALL to save R14
0003DC          TCEQUISN DS    H                   QUIESCE wait interval (in seconds)
0003DE                   DS    H                   Reserved
0003E0                   DS    8F                  Reserved
000400          TCEEND   DS    0D                  End of real TCE
                         #PRT  GEN
                         PRINT ON
                         PRINT GEN
                         PRINT NODATA
        00400   TCEDSLEN EQU   ((*-TCE+7)/8)*8     LENGTH OF DSECT ROUNDED UP.
```

1.150 #TDFDS

```
                    COPY #TDFDS
             ******************************************************************
             *** TDF DSECT: TERMINAL DEFINITION DSECT FOR EXCP ACCESS         ***
             ******************************************************************

Offset  Value

000000          TDF      DSECT                          10:41:36 09/18/84
000000          TDFFF    DS    CL1                 FORM FEED CHARACTOR
000001          TDFID    DS    CL1                 TDF IDENTIFIER
000002          TDFXLATE DS    AL1                 TRANSLATION TABLE INDEX
000003          TDFCTSK  DS    CL1                 CANCEL TASK CHAR.
000004          TDFNLFF  DS    AL2                 NUMBER NULLS AFTER FORM FEED
000006          TDFNLCR  DS    AL2                 NUMBER NULLS AFTER NEW LINE
000008          TDFCRDIV DS    AL2                 ADD 1 NULL/CRDIV CHARS IN LINE
00000A          TDFCHARS DS    AL2                 CHARACTORS/LINE
00000C          TDFLINES DS    AL2                 LINES/PAGE
00000E          TDFCLINE DS    CL1                 CANCEL LINE CHAR
00000F          TDFBKSP  DS    CL1                 BACKSPACE CHARACTOR
000010          TDFPRTY  DS    X                   PARITY INDEX
000011          TDFTYPE  DS    X                   TERMINAL TYPE INDICATOR
000012          TDFXON   DS    XL4                 TRANSMIT-ON CHARACTERS
        00016   TDFDSLEN EQU   *-TDF
```

1.151 #TDTDS

```
                         COPY #TDTDS
                ************************************************************************
                ***                                                                  ***
                *** TDT:    TASK DEFINITION TABLE DSECT                              ***
                ***                                                                  ***
                ************************************************************************

Offset  Value

000000          TDT      DSECT
000000          TDTN     DS    H                  NUMBER OF TASK DEF ELEMENTS IN TABLE
000002          TDTELEN  DS    H                  LENGTH OF A TDE
000004          TDTKEYOF DS    H                  OFFSET TO TASK CODE IN TDE
000006          TDTKEYL  DS    X                  LENGTH OF TASK CODE
000007          TDTFLAG  DS    X                  LINEAR TABLE INDICATOR
000008          TDTSTART DS    A                  POINTER TO FIRST TDTE
00000C          TDTTBLEN DS    A                  LENGTH OF ENTIRE TASK DEF TABLE
        00010   TDTDSLEN EQU   ((*-TDT+3)/4)*4    LENGTH OF TDT DSECT
                ************************************************************************
                ***                                                                  ***
                *** TDE:   TASK DEFINITION ELEMENT DSECT.                            ***
                ***                                                                  ***
                ************************************************************************
000000          TDE      DSECT
000000          TDETSKCD DS    CL8                TASK CODE.
000008          TDEPDEA  DS    A                  ADDR OF PROGRAM DEFINITION ELEMENT
00000C                   DS    A                  UNUSED
000010          TDECURT  DS    H                  CURRENT # OF TASK THREADS
000012          TDERSINT DS    H                  RESOURCE TIMEOUT INTERVAL
000014          TDERSPGM DS    CL8                USED ONLY DURING STARTUP
00001C                   ORG   TDERSPGM
000014          TDERSPDE DS    A                  PDE TO START IF RESOURCES EXPIRE
000018                   DS    F                  RESERVED (Its part of TDERSPGM area)
                *
00001C          TDEEWAIT DS    H                  EXTERNAL WAIT FOR BULK TASK
00001E          TDEQUISN DS    H                  QUIESCE WAIT INTERVAL (SECONDS).
000020          TDEINACN DS    H                  INACTIVE TASK ABORT TIME (SECONDS).
000022          TDEINRWY DS    H                  RUNAWAY TASK INTERVAL (SECONDS).
000024          TDEPRIO  DS    X                  TASK PRIORITY.
                **R12.0  DS    X      TDESECUR    TASK SECURITY CODE.
000025                   DS    X                  UNUSED                        R12.0
                *
                         PRINT NOGEN
                TDESAVE  #FLAG X'80'        SAVE TERMINAL OUTPUT IF BLASTED
                TDEDYN   #FLAG X'40'        TDE CREATED DYNAMICALLY
                TDEINSV  #FLAG X'20'        TASK ENABLED AND INSRV INDICATOR.
                TDEJRNL  #FLAG X'10'        JOURNAL THIS TRANSACTION.
                TDENTRN  #FLAG X'08'        START OF NEW TRANSACTION.
                TDEINTL  #FLAG X'04'        INTERNAL - CAN'T INVOKE FROM TERMINAL
                TDEQINP  #FLAG X'02'        QUEUE INPUT BEFORE ATTACHING PROGRAM
                TDEMAP   #FLAG X'01'        TDEPROGM IS A MAP NAME, NOT A PROGRAM
000026          TDEFLAG1 DS    X                  FLAG BYTE.
000027          TDEPRTKY DS    X                  AID VALUE OF 3270 PRINT KEY
                *
000028          TDERLBA  DS    A                  A(RLB FOR RSRCE LIMIT)  JIC031584
                TDESANY  #FLAG X'01'              STORAGE LOCATION IS ANY
                TDEPREM  #FLAG X'02'              ON IF A PREEMPT STARTUP AUTOTASK
                TDEABND  #FLAG X'04'              ON IF AUTOTASK MUST NOT ABEND
                TDERLIM  #FLAG X'08'              ON IF RESOURCE LIMITS   JIC031584
                TDEXRSP  #FLAG X'10'              USE EXCEPTION RESPONSE PROTOCOL
00002C          TDEFLAG2 DS    XL1                SECOND FLAG BYTE
00002D                   DS    XL1                RESERVED.
                         PRINT GEN
```

```
Offset  Value

00002E          TDEMAXC  DS    H                   MAX CONCURRENT TASK THREADS
000030          TDEUTDEN DS    F                   ADD OF NEXT TASK IN UMBRELLA
000034          TDEUTDEA DS    F                   ADDR OF UMBR TASK TDE
000038          TDEUMBTK DS    CL8                 UMBRELLA TASKCODE
000040          TDESECAT DS    H                   TASK'S SECURITY CATEGORY
000042          TDEPRDCD DS    CL8                 PRODUCT CODE FOR TASK
                *
00004C          TDEAUSTA DS    A                   ADDR OF NEXT STARTUP  AUTOTASK TDE
000050          TDEAUSHA DS    A                   ADDR OF NEXT SHUTDOWN AUTOTASK TDE
000054          TDESTATA DS    A                   ADDR OF STATISTICS BLOCK
000058          TDELDLSA DS    A                   ADDR OF TASK LOADLIST
00005C          TDERSDDN DS    0CL8                START-UP ONLY
00005C          TDEUSRWA DS    CL8                 USER WORK AREA
000064                   DS    A                   RESERVED
000068          TDEAAQTH DS    H                   AREA ACQUISITION THRESHOLD     R12.0
00006A          TDEAAQRC DS    H                   AREA ACQUISITION RETRY COUNT   R12.0
        0006C   TDEDSLEN EQU   ((*-TDE+3)/4)*4     LENGTH OF DSECT.
```

1.152 #TRBDS

```
                    COPY #TRBDS

Offset  Value

000000          TRB      DSECT                          11:18:22 06/30/86   04/10/91
                ************************************************************************
                ***
                ***  TERMINAL REQUEST BLOCK DSECT
                ***
                ***    NOTE: THE PTE CONTAINS A COPY OF THE TRB.  DO NOT CHANGE THE
                ***          ORDER OF THESE FIELDS WITHOUT ALSO CHANGING THE ORDER
                ***          OF THE CORRESPONDING FIELDS IN THE PTE.
                ***
                ************************************************************************
                         PRINT NOGEN                                                  **
                TRBWRIT  #FLAG X'01'               WRITE REQUEST
                TRBREAD  #FLAG X'02'               READ REQUEST
                TRBWTRD  #FLAG TRBWRITM+TRBREADM   WRITE AND/OR READ REQUEST
                TRBCHEK  #FLAG X'04'               CHECK
                TRBHALT  #FLAG X'08'               HALT
                TRBALLO  #FLAG X'10'               ALLOCATE (CONNECT)
                TRBDISC  #FLAG X'20'               DISCONNECT
                         #FLAG X'40'               UNUSED
                TRBEXTF  #FLAG X'80'               TRB EXTENSION
000000          TRBTYPE  DS    X                   REQUEST TYPE FLAGS
                TRBMAP   #FLAG X'01'               REQUEST INVOLVES MAPPING
                TRBLOC   #FLAG X'02'               LOCATE MODE TYPE READ
                TRBFREE  #FLAG X'04'               #FREESTG CALLER'S WRITE BUFFER
                TRBNJRN  #FLAG X'08'               DO NOT JOURNAL THIS I/O
                TRBSAVE  #FLAG X'10'               SAVE THIS WRITE IF BLASTED
                TRBBLK   #FLAG X'20'               Request is legit for BULK.
                TRBBLTA  #FLAG X'40'               USE TRBBLTEA, NOT TCELTEA
                TRBLAST  #FLAG X'80'               BLAST WRITE REQUEST
000001          TRBOPT1  DS    X                   DEVICE-INDEPENDENT REQUEST OPTIONS
                TRBNEWP  #FLAG X'01'               NEW-PAGE (OR EJECT OR ERASE/WRITE)
                TRBNOPR  #FLAG X'02'               DONT' WAIT FOR ATTENTION
                TRBWEAU  #FLAG X'04'               WRITE ERASE ALL UNPROTECTED
                TRBWEOT  #FLAG X'04'               WRITE EOT
                TRBRDBF  #FLAG X'08'               READ BUFFER
                TRBNOCR  #FLAG X'08'               DON'T ISSUE CR AT END OF LINE
                TRBFPOS  #FLAG X'10'               READ FROM POSITION
                TRBBDST  #FLAG X'20'               'BLAST' TO DEST ID
                TRBBLTI  #FLAG X'40'               'BLAST' TO LTERM ID
                TRBBUSR  #FLAG X'80'               'BLAST' TO USER ID
000002          TRBOPT2  DS    X                   DEVICE-DEPENDENT REQUEST OPTIONS
                TRBCONT  #FLAG X'01'               INPUT TRUNCATED; AREA TOO SMALL
                TRBCONA  #FLAG X'02'               TERMINAL OPERATOR HIT ATTN ON OUTPUT
                TRBCONL  #FLAG X'04'               LOGICAL PROBLEMS WITH DATA
                TRBCONP  #FLAG X'08'               PERMANENT I/O ERROR
                TRBCOND  #FLAG X'10'               TERMINAL IS DEAD
                TRBCONI  #FLAG X'20'               INVALID TRB PARAMETER LIST
                TRBCONB  #FLAG X'40'               INVALID 'BLAST' DESTINATION
000003          TRBCONDC DS    X                   CONDITIONS THE CALLER WILL HANDLE
000004          TRBWADD  DS    A                   ADDRESS OF DATA TO BE WRITTEN...
000008          TRBWLEN  DS    H                   LENGTH OF DATA TO BE WRITTEN
00000A          TRBMAXR  DS    H                  MAXIMUM LENGTH OF CALLER'S INPUT AREA
00000C          TRBRADD  DS    A                   ADDRESS OF CALLER'S INPUT AREA
000010                   ORG   TRBRADD
00000C          TRBUIOA  DS    A                   ADDR OF UIOCB                *LU62
000010                   ORG   TRBRADD
00000C          TRBSENS  DS    A                   SENSE DATA                   *LU62
```

```
        00010  TRBDSLEN EQU   *-TRB               LENGTH OF TRB
000010         TRBEXTN  DS    0XL4                TRB EXTENSION
               TRBIFMY  #FLAG X'01'               IN FMH YES
               TRBIFMN  #FLAG X'02'               IN FMH NO
               TRBOFMY  #FLAG X'04'               OUT FMH YES
               TRBOFMN  #FLAG X'08'               OUT FMH NO
               TRBCHCO  #FLAG X'10'               CHAIN CONTINUES
               TRBLST   #FLAG X'20'               LAST OUTPUT OF SESSION
               TRBNCHA  #FLAG X'40'               DO NOT ASSEMBLE CHAINS
               TRBNOED  #FLAG X'80'               DO NOT EDIT INPUT
000010                  DS    X                    1ST TRB EXTENSION FLAG
               TRBLINR  #FLAG X'01'               LINE-IO REQUEST ISSUED BY LINR
               TRBUPP   #FLAG X'02'               TRANSLATE INPUT TO UPPER CASE
               TRBUPL   #FLAG X'04'               DO NOT TRANSLATE TO UPPER CASE
               TRBDEW   #FLAG X'08'               USE DEFAULT ERASE/WRITE COMMAND
               TRBUIO   #FLAG X'10'               UIOCB REQUEST - ADDR IN TRBUIOA
               TRBWTRN  #FLAG X'20'               TRANSPARENT WRITE
               TRBRLL   #FLAG X'40'               READ LU6.2 LOGICAL RECORD
               TRBINV   #FLAG X'80'               SEND INVITE
000011                  DS    X                    2ND TRB EXTENSION FLAG
               TRBERRO  #FLAG X'01'               SEND ERROR NOTIFICATION
               TRBABND  #FLAG X'02'               SEND ABEND NOTIFICATION
               TRBCNFM  #FLAG X'04'               REQUEST CONFIRMATION
               TRBCNFD  #FLAG X'08'               SEND CONFIRMED NOTIFICATION
               TRBSIG   #FLAG X'10'               SEND SIGNAL
               TRBIMM   #FLAG X'20'               IMMEDIATE (ALLOCATE)   **
               TRBCONN  #FLAG X'40'               CONNECT   (ALLOCATE)   **
               *                                  BOTH OFF = ANY         **
               TRBFLSH  #FLAG X'80'               FLUSH BUFFERED SEND DATA
000012                  DS    X                    3RD TRB EXTENSION FLAG
               TRBWSF   #FLAG X'01'               WRITE STRUCTURED FIELD
000013                  DS    X                    4TH TRB EXTENSION FLAG
        00004  TRBEXLEN EQU   *-TRBEXTN            LENGTH OF TRB EXTENSION
        00014  TRBTOLEN EQU   *-TRB                LENGTH OF TRB ALTOGETHER
                        PRINT GEN
```

1.153 #TRCDS

```
                    COPY #TRCDS
             ********************************************************************
             ***                                                              ***
             ***  TRC:  TRACE BUFFER DEFINITION                               ***
             ***                                                              ***
             ********************************************************************

Offset  Value

000000       TRC      DSECT                          10:13:48 03/28/86
000000       TRCTSKID DS    XL4                 TASK ID FROM TCE.
000004       TRCLSTC  DS    XL4                 LAST CALL TRACE WORD.
000008       TRCREGS  DS    14A                 R11 - R8.
       00040 TRCDSLEN EQU   *-TRC               LENGTH OF ENTRY.
```

1.154 #TSBDS

```
                    COPY #TSBDS
             ************************************************************************
             ***                                                                  ***
             ***   TSB: TRANSACTION STATISTICS BLOCK                              ***
             ***                                                                  ***
             ***   POINTED TO BY LTETSBA                                          ***
             ***                                                                  ***
             ***   NOTE:  ANY CHANGES IN THIS DSECT SHOULD BE ACCOMPANIED BY      ***
             ***          SIMILAR CHANGES IN #STRDS AND #TSTDS.                   ***
             ***                                                                  ***
             ************************************************************************

Offset  Value

000000       TSB      DSECT                            06/07/90 15:27:42   09/06/90
             *
             * DC STATISTICS
             *
000000                DS    2F                 FOR SYSTEM INTERNAL USE ONLY!
000008       TSBDC    DS    0F                 START OF DC STATISTICS.
000008       TSBPGMCL DS    F                  NUMBER OF PROGRAMS CALLED.
00000C       TSBPGMLD DS    F                  NUMBER OF PROGRAMS LOADED.
000010       TSBTRMRD DS    F                  NUMBER OF TERMINAL READS.
000014       TSBTRMWR DS    F                  NUMBER OF TERMINAL WRITES.
000018       TSBTRMER DS    F                  NUMBER OF TERMINAL ERRORS.
00001C       TSBSTGGT DS    F                  NUMBER OF STORAGE ACQUISITIONS.
000020       TSBSCRGT DS    F                  NUMBER OF SCRATCH GETS.
000024       TSBSCRPT DS    F                  NUMBER OF SCRATCH PUTS.
000028       TSBSCRDL DS    F                  NUMBER OF SCRATCH DELETES.
00002C       TSBQUEGT DS    F                  NUMBER OF QUEUE GETS.
000030       TSBQUEPT DS    F                  NUMBER OF QUEUE PUTS.
000034       TSBQUEDL DS    F                  NUMBER OF QUEUE DELETES.
000038       TSBGETIM DS    F                  NUMBER OF GETTIME REQUESTS.
00003C       TSBSETIM DS    F                  NUMBER OF SETTIME REQUESTS.
000040       TSBDBSVR DS    F                  NUMBER OF DB SERVICE RQSTS    9/87
000044       TSBHISTK DS    F                  MAX WORDS USED IN STACK.
000048       TSBTIMUS DS    F                  USER MODE TIME (10**-4 SECONDS).
00004C       TSBTIMSY DS    F                  SYSTEM MODE TIME ( " ).
000050       TSBTIMWT DS    F                  WAIT TIME (10**-4 SECONDS).
000054       TSBHIRCE DS    F                  MAXIMUM NBR OF RCE'S USED
000058       TSBHIRLE DS    F                  MAXIMUM NBR OF RLE'S USED
00005C       TSBHIDPE DS    F                  MAXIMUM NBR OF DPE'S USED
000060       TSBSTGHW DS    F                  STORAGE HIGH WATER MARK
000064       TSBSTGFR DS    F                  NUMBER OF FREESTG REQUESTS
000068       TSBSVRQS DS    F                  NUMBER OF SYS SERVICE REQUESTS
00006C       TSBDCEND DS    0F                 END OF DC STAT PORTION.
             *
             * DB STATISTICS
             *
00006C                DS    2F                 FOR SYSTEM INTERNAL USE ONLY!
000074       TSBDB    DS    0F                 START OF DB STATISTICS.
000074       TSBPAGRD DS    F                  NUMBER OF PAGES READ.
000078       TSBPAGWR DS    F                  NUMBER OF PAGES WRITTEN.
00007C       TSBPAGRQ DS    F                  NUMBER OF PAGES REQUESTED.
000080       TSBCALNO DS    F                  NUMBER OF CALC RECS WITH NO OFLOW.
000084       TSBCALOF DS    F                  NUMBER OF CALC RECS WITH OFLOW.
000088       TSBVIANO DS    F                  NUMBER OF VIA RECS WITH NO OFLOW.
00008C       TSBVIAOF DS    F                  NUMBER OF VIA RECS WITH OFLOW.
000090       TSBRECRQ DS    F                  NUMBER OF RECORDS REQUESTED.
000094       TSBRECCU DS    F                  NUMBER OF RECS CURRENT OF R-U.
000098       TSBDBRQS DS    F                  NUMBER OF DBMS CALLS          9/87
00009C       TSBFRAGS DS    F                  NUMBER OF FRAGMENTS STORED.
```

```
0000A0         TSBRELO  DS    F                   NUMBER OF RECORDS RELOCATED.
0000A4         TSBTLOCK DS    F                   TOTAL no. locks acquired    JDM 5/90
0000A8         TSBSLOCK DS    F                   Total share locks held      JDM 5/90
0000AC         TSBULOCK DS    F                   Total nonshare locks held   JDM 5/90
0000B0         TSBTLKF  DS    F                   Total locks freed           JDM 5/90
0000B4         TSBDBEND DS    0F                  END OF DB STAT PORTION.
               *                                                               10/83
0000B4         TSBIXSTA DS    0F                  START OF INDEX STATISTICS   JDM 5/90
0000B4         TSB#SPLT DS    F                     # OF SR8 SPLITS           JDM 5/90
0000B8         TSB#SPWN DS    F                     # OF SR8 SPAWNS           JDM 5/90
0000BC         TSB#SR8S DS    F                     # OF SR8S STORED          JDM 5/90
0000C0         TSB#SR8D DS    F                     # OF SR8S ERASED          JDM 5/90
0000C4         TSB#SR7S DS    F                     # OF SR7S STORED          JDM 5/90
0000C8         TSB#SR7D DS    F                     # OF SR7S ERASED          JDM 5/90
0000CC         TSB#BISR DS    F                     # OF B-TREE SEARCHES      JDM 5/90
0000D0         TSB#LEVL DS    F                     # OF B-TREE LEVELS SRCHED JDM 5/90
0000D4         TSB#ORPH DS    F                     # OF ORPHANS ADOPTED      JDM 5/90
0000D8         TSBBISRL DS    H                     # OF LVLS SRCHED-BEST CASE    5/90
0000DA         TSBBISRH DS    H                     # OF LVLS SRCHED-WORST CASE   5/90
        00028  TSBIXSTL EQU   *-TSBIXSTA          LENGTH OF INDEX STATISTICS  JDM 5/90
               *
               *    Extended DB Stats
               *
0000DC         TSBXDSTA DS    0F                  Start of Misc DB Stats.     LRD95310
0000DC         TSBUPCNT DS    F                     Records Updated.          LRD95310
0000E0         TSBCACHE DS    F                     Pages Found In Cache.     LRD95310
0000E4         TSBPRFET DS    F                     Pg Found in Prefetch Buff LRD95310
0000E8                  DS    2F                    Future Expansion.         LRD95310
               *                                                               10/83
0000F0         TSBESTAT DS    0C                  END OF STATISTICS AREA       10/83
               *
               * HEADER INFORMATION
               *
0000F0                  DS    2F                  FOR SYSTEM INTERNAL USE ONLY!
0000F8         TSBID    DS    0CL40               STATISTICS BLOCK ID.
0000F8         TSBUSID  DS    CL32                DC USER ID.
000118         TSBLTEID DS    CL8                 DC LTERM ID.
000120         TSBUID   DS    CL8                 USER SUPPLIED IDENTIFIER     10/83
000128         TSBUDAT  DS    PL4                 DATE BIND COMMAND ISSUED     10/83
00012C         TSBUTIM  DS    F                   TIME BIND COMMAND ISSUED     10/83
                        PRINT NOGEN
000130         TSBFLAGS DS    0F                                               10/83
               TSBTSBA  #FLAG X'04'               OPT - TSBA= SPECIFIED        10/83
               TSBACUM  #FLAG X'02'               OPT - ACCEPT/ACCUMULATE      10/83
               TSBBNDT  #FLAG X'01'               OPT - BIND TO TASK START     10/83
000130         TSBFLG0  DS    X                   #TRNSTAT FLAG BYTE 0 (OPTS)  10/83
               TSBSTRT  #FLAG X'01'               BIND REQUEST                 10/83
               TSBGET   #FLAG X'02'               ACCEPT REQUEST               10/83
               TSBEND   #FLAG X'04'               END REQUEST                  10/83
000131         TSBFLG1  DS    X                   #TRNSTAT FLAG BYTE 1 (TYPE)  10/83
               TSBTASK  #FLAG X'01'               STATS RELATIVE TO TASK START 10/83
000132         TSBFLG2  DS    X                   #TRNSTAT FLAG BYTE 2 (MODS)  10/83
000133         TSBFLG3  DS    X                   RESERVED                     10/83
               *                                                              JDM 8/90
               * SQL STATISTICS                                               JDM 8/90
               *                                                              JDM 8/90
000134                  DS    2F                  RESERVED FOR SYSTEM USE     JDM 8/90
00013C         TSBSQL   DS    0F                  Start of SQL statistics     JDM 8/90
00013C         TSB#CMD  DS    F                   ..# SQL commands executed   JDM 8/90
000140         TSB#FET  DS    F                   ..# rows fetched            JDM 8/90
000144         TSB#INS  DS    F                   ..# rows inserted           JDM 8/90
000148         TSB#UPD  DS    F                   ..# rows updated            JDM 8/90
00014C         TSB#DEL  DS    F                   ..# rows deleted            JDM 8/90
000150         TSB#SRT  DS    F                   ..# sorts performed         JDM 8/90
000154         TSB#SRR  DS    F                   ..# rows sorted             JDM 8/90
000158         TSB#SMI  DS    F                   ..minimum rows sorted       JDM 8/90
```

```
00015C         TSB#SMX  DS    F                  ..maximum rows sorted       JDM 8/90
000160         TSB#AMC  DS    F                  ..# AM recompiles           JDM 8/90
000164                  DS    8F                 ..reserved for expansion    JDM 8/90
000184         TSBSQEND DS    0F                 End of SQL statistics       JDM 8/90
                        PRINT GEN
        00184  TSBDSLEN EQU   *-TSB              LENGTH OF DSECT.
```

1.155 #TSTDS

```
                    COPY #TSTDS
              ***********************************************************************
              ***                                                                 ***
              ***   TST: TASK STATISTICS TABLE                                    ***
              ***                                                                 ***
              ***   POINTED TO BY TCETSTA                                         ***
              ***                                                                 ***
              ***   NOTE:  ANY CHANGES IN THIS DSECT SHOULD BE ACCOMPANIED BY     ***
              ***          SIMILAR CHANGES IN #STRDS AND #TSBDS.                  ***
              ***                                                                 ***
              ***********************************************************************

Offset  Value

000000        TST      DSECT                            06/07/90 15:29:03   09/06/90
              *
              * DC STATISTICS
              *
000000                 DS    2F                 RESERVED FOR SYSTEM USE
000008        TSTDC    DS    0F                 START OF DC STATISTICS.
000008        TSTPGMCL DS    F                  NUMBER OF PROGRAMS CALLED.
00000C        TSTPGMLD DS    F                  NUMBER OF PROGRAMS LOADED.
000010        TSTTRMRD DS    F                  NUMBER OF TERMINAL READS.
000014        TSTTRMWR DS    F                  NUMBER OF TERMINAL WRITES.
000018        TSTTRMER DS    F                  NUMBER OF TERMINAL ERRORS.
00001C        TSTSTGGT DS    F                  NUMBER OF STORAGE ACQUISITIONS.
000020        TSTSCRGT DS    F                  NUMBER OF SCRATCH GETS.
000024        TSTSCRPT DS    F                  NUMBER OF SCRATCH PUTS.
000028        TSTSCRDL DS    F                  NUMBER OF SCRATCH DELETES.
00002C        TSTQUEGT DS    F                  NUMBER OF QUEUE GETS.
000030        TSTQUEPT DS    F                  NUMBER OF QUEUE PUTS.
000034        TSTQUEDL DS    F                  NUMBER OF QUEUE DELETES.
000038        TSTGETIM DS    F                  NUMBER OF GETTIME REQUESTS.
00003C        TSTSETIM DS    F                  NUMBER OF SETTIME REQUESTS.
000040        TSTDBSRV DS    F                  NUMBER OF DB SERVICE RQSTS    9/87
000044        TSTHISTK DS    F                  MAX WORDS USED IN STACK.
000048        TSTTIMUS DS    F                  USER MODE TIME (10**-4 SECONDS).
00004C        TSTTIMSY DS    F                  SYSTEM MODE TIME ( " ).
000050        TSTTIMWT DS    F                  WAIT TIME (10**-4 SECONDS).
000054        TSTHIRCE DS    F                  MAXIMUM NUMBER OF RCE'S USED
000058        TSTHIRLE DS    F                  MAXIMUM NUMBER OF RLE'S USED
00005C        TSTHIDPE DS    F                  MAXIMUM NUMBER OF DPE'S USED
000060        TSTSTGHW DS    F                  TASK STORAGE HIGH WATER MARK 10/83
000064        TSTSTGFR DS    F                  TOTAL # OF FREESTG REQUESTS  10/83
000068        TSTSVRQS DS    F                  TOTAL # SYSTEM SERVICE RQSTS  4/84
00006C        TSTDCEND DS    0F                 END OF DC STAT PORTION.
              *
              * DB STATISTICS
              *
00006C                 DS    2F                 RESERVED FOR SYSTEM USE
000074        TSTDB    DS    0F                 START OF DB STATISTICS.
000074        TSTPAGRD DS    F                  NUMBER OF PAGES READ.
000078        TSTPAGWR DS    F                  NUMBER OF PAGES WRITTEN.
00007C        TSTPAGRQ DS    F                  NUMBER OF PAGES REQUESTED.
000080        TSTCALNO DS    F                  NUMBER OF CALC RECS WITH NO OFLOW.
000084        TSTCALOF DS    F                  NUMBER OF CALC RECS WITH OFLOW.
000088        TSTVIANO DS    F                  NUMBER OF VIA RECS WITH NO OFLOW.
00008C        TSTVIAOF DS    F                  NUMBER OF VIA RECS WITH OFLOW.
000090        TSTRECRQ DS    F                  NUMBER OF RECORDS REQUESTED.
000094        TSTRECCU DS    F                  NUMBER OF RECS CURRENT OF R-U.
000098        TSTDBRQS DS    F                  NUMBER OF DBMS CALLS.
00009C        TSTFRAGS DS    F                  NUMBER OF FRAGMENTS STORED.
```

```
0000A0         TSTRELO  DS    F                   NUMBER OF RECORDS RELOCATED.
0000A4         TSTTLOCK DS    F                   TOTAL no. locks acquired    JDM 5/90
0000A8         TSTSLOCK DS    F                   TOTAL share locks held      JDM 5/90
0000AC         TSTULOCK DS    F                   TOTAL nonshare locks held   JDM 5/90
0000B0         TSTTLKF  DS    F                   Total locks freed           JDM 5/90
0000B4         TSTDBEND DS    0F                  END OF DB STAT PORTION.
               *
0000B4         TSTIXSTA DS    0F                  START OF INDEX STATISTICS   JDM 5/90
0000B4         TST#SPLT DS    F                     # OF SR8 SPLITS           JDM 5/90
0000B8         TST#SPWN DS    F                     # OF SR8 SPAWNS           JDM 5/90
0000BC         TST#SR8S DS    F                     # OF SR8S STORED          JDM 5/90
0000C0         TST#SR8D DS    F                     # OF SR8S ERASED          JDM 5/90
0000C4         TST#SR7S DS    F                     # OF SR7S STORED          JDM 5/90
0000C8         TST#SR7D DS    F                     # OF SR7S ERASED          JDM 5/90
0000CC         TST#BISR DS    F                     # OF B-TREE SEARCHES      JDM 5/90
0000D0         TST#LEVL DS    F                     # OF B-TREE LEVELS SRCHED JDM 5/90
0000D4         TST#ORPH DS    F                     # OF ORPHANS ADOPTED      JDM 5/90
0000D8         TSTBISRL DS    H                     # OF LVLS SRCHED-BEST CASEJDM 5/90
0000DA         TSTBISRH DS    H                     # OF LVLS SRCHED-WORST CASE   5/90
        00028  TSTIXSTL EQU   *-TSTIXSTA          LENGTH OF INDEX STATISTICS  JDM 5/90
               *
               *    Extended DB Stats
               *
0000DC         TSTXDSTA DS    0F                  Start of Misc DB Stats.     LRD95310
0000DC         TSTUPCNT DS    F                     Records Updated.          LRD95310
0000E0         TSTCACHE DS    F                     Pages Found In Cache.     LRD95310
0000E4         TSTPRFET DS    F                     Pg Found In Prefetch Buff LRD95310
0000E8                  DS    2F                    Future Expansion.         LRD95310
               *
0000F0         TSTESTAT DS    0C                  END OF STATISTICS FIELDS     10/83
               *
               * HEADER INFORMATION
               *
0000F0                  DS    2F                  RESERVED FOR SYSTEM USE
0000F8         TSTID    DS    0CL48               STATISTICS BLOCK ID.
0000F8         TSTSVXA  DS    0F                  ADDR OF COPY OF SVX ERE EXTENSION
               *                                      DURING TASK EXECUTION     9/87
0000F8         TSTACCT  DS    CL40                ERUS ACCOUNTING INFO WHEN LOGREC
000120         TSTPNAME DS    CL8                 ERUS USER PROGRAM NAME.
000128                  ORG   TSTID
0000F8         TSTUSID  DS    CL32                DC USER ID.
000118         TSTLTEID DS    CL8                 DC LTERM ID.
000120         TSTTSKCD DS    CL8                 DC TASK CODE.
000128         TSTTSKID DS    F                   TASK ID.   (NEGATIVE IF ERUS TASK)
               *                                                              JDM 8/90
               * SQL STATISTICS                                               JDM 8/90
               *                                                              JDM 8/90
00012C                  DS    2F                  RESERVED FOR SYSTEM USE     JDM 8/90
000134         TSTSQL   DS    0F                  Start of SQL statistics     JDM 8/90
000134         TST#CMD  DS    F                   ..# SQL commands executed   JDM 8/90
000138         TST#FET  DS    F                   ..# rows fetched            JDM 8/90
00013C         TST#INS  DS    F                   ..# rows inserted           JDM 8/90
000140         TST#UPD  DS    F                   ..# rows updated            JDM 8/90
000144         TST#DEL  DS    F                   ..# rows deleted            JDM 8/90
000148         TST#SRT  DS    F                   ..# sorts performed         JDM 8/90
00014C         TST#SRR  DS    F                   ..# rows sorted             JDM 8/90
000150         TST#SMI  DS    F                   ..minimum rows sorted       JDM 8/90
000154         TST#SMX  DS    F                   ..maximum rows sorted       JDM 8/90
000158         TST#AMC  DS    F                   ..# AM recompiles           JDM 8/90
00015C                  DS    8F                  ..reserved for expansion    JDM 8/90
00017C         TSTSQEND DS    0F                  End of SQL statistics       JDM 8/90
               *
        0017C  TSTDSLEN EQU   *-TST               LENGTH OF DSECT.
```

1.156 #TXEDS

```
                    COPY #TXEDS
             ***********************************************************************
             ***                                                                 ***
             *** TXE:   TASK CONTROL ELEMENT EXTENSION                           ***
             ***                                                                 ***
             ***********************************************************************

Offset  Value

000000       TXE      DSECT                          15:07:37 05/28/86   11/20/92
000000       TXETXEA  DS    A                   NEXT TXE IN CHAIN.
000004       TXECPRGM DS    A                   CURRENT PROGRAM RCE.
000008       TXECRSAA DS    A                   CURRENT REGISTER SAVEAREA.
00000C       TXER13SV DS    A                   SAVE R13 WITH STACK.
             *
             TXENSP   #FLAG X'80'               NO STG PROT FOR CPRGM.
000010       TXENSPI  DS    0XL1
        00080TXENSPM  EQU   X'80'
             TXESCRN  #FLAG X'40'               NO SVC SCREENING FOR CPRGM.
000010       TXESCRNI DS    0XL1
        00040TXESCRNM EQU   X'40'
000010       TXEFLAG1 DS    XL1
000011       TXEFLAG2 DS    XL1
000012       TXEFLAG3 DS    XL1                                         JIC031986
000013       TXEFLAG4 DS    XL1                                         JIC031986
             *
000014       TXESVCA  DS    A                   SVC WORK AREA COPY      JIC031986
000018       TXERSA   DS    16F                 SAVE USER REGISTERS.
000058       TXESTACK DS    0F                  START OF STACK SAVEAREA.
        00058TXEDSLEN EQU   ((*-TXE+3)/4)*4     LENGTH OF DSECT.
```

1.157 #UABDS

```
                         COPY #UABDS
                ***-------------------------------------------------------------****
                ***                                                             ****
                ***   UAB:  User Attribute Block                                ****
                ***         Pointed to by LTEUABA                               ****
                ***                                                             ****
                ***-------------------------------------------------------------****

Offset  Value

000000          UAB      DSECT ,                                          10/27/99
000000          UABID    DS    CL4                 'UAB*' EYECATCH
000004          UABTLEN  DS    H                   Sizeof(UAB)
000006          UABUSED  DS    H                   Amount of space used from UABVARSZ
000008          UAB#VAR  DS    H                   Number of entries in UABVARS
                UABUPCS  #FLAG X'80'               On means force upper case trans.
00000A          UABUPCSI DS    0XL1
        00080   UABUPCSM EQU   X'80'
                UABNBRK  #FLAG X'40'               On means nobreak
00000A          UABNBRKI DS    0XL1
        00040   UABNBRKM EQU   X'40'
                UABDFPD  #FLAG X'20'
00000A          UABDFPDI DS    0XL1
        00020   UABDFPDM EQU   X'20'
                UABNFRE  #FLAG X'01'               On means can't freestg this UAB
00000A          UABNFREI DS    0XL1
        00001   UABNFREM EQU   X'01'
00000A          UABFLG   DS    C                   FLAG BYTE IN FIXED PORTION
00000B                   DS    X                   Reserved
00000C          UABDINOD DS    CL8                 Dictionary Node
000014          UABDIDBN DS    CL8                 DICTIONARY NAME
00001C          UABDFNOD DS    CL8                 DB Node
000024          UABDFDBN DS    CL8                 DBNAME
00002C          UABPRDST DS    A                   A(PRINT DEST DDE)
                UABOBRK  #FLAG X'80'               OVERRIDE BREAK NOT ALLOWED (N/A)
000030          UABOBRKI DS    0XL1
        00080   UABOBRKM EQU   X'80'
                UABOCAS  #FLAG X'40'                  "     CASE                "
000030          UABOCASI DS    0XL1
        00040   UABOCASM EQU   X'40'
                UABODBN  #FLAG X'20'                  "     DBNAME              "
000030          UABODBNI DS    0XL1
        00020   UABODBNM EQU   X'20'
                UABODBO  #FLAG X'10'                  "     DB NODE             "
000030          UABODBOI DS    0XL1
        00010   UABODBOM EQU   X'10'
                UABODIN  #FLAG X'08'                  "     DICT NAME           "
000030          UABODINI DS    0XL1
        00008   UABODINM EQU   X'08'
                UABODIO  #FLAG X'04'                  "     DICT NODE           "
000030          UABODIOI DS    0XL1
        00004   UABODIOM EQU   X'04'
                UABOLOD  #FLAG X'02'                  "     LOADLIB             "
000030          UABOLODI DS    0XL1
        00002   UABOLODM EQU   X'02'
                UABOLST  #FLAG X'01'                  "     LOADLIST            "
000030          UABOLSTI DS    0XL1
        00001   UABOLSTM EQU   X'01'
000030          UABOFL1  DS    C                   OVERRIDE FLAG #1
                UABOPCL  #FLAG X'80'               OVERRIDE PRTCLASS NOT ALLOWED (N/A)
000031          UABOPCLI DS    0XL1
        00080   UABOPCLM EQU   X'80'
                UABOPDT  #FLAG X'40'                  "     PRTDEST               "
```

```
Offset  Value

000031          UABOPDTI DS    0XL1
        00040   UABOPDTM EQU   X'40'
                UABOTST  #FLAG X'20'                  "     TEST VERSION NUM       "
000031          UABOTSTI DS    0XL1
        00020   UABOTSTM EQU   X'20'
                UABOMAP  #FLAG X'10'                  "     MAPTYPE Not Allowed    "
000031          UABOMAPI DS    0XL1
        00010   UABOMAPM EQU   X'10'
                UABOPRI  #FLAG X'08'                  "     PRIORITY Not Allowed   "
000031          UABOPRII DS    0XL1
        00008   UABOPRIM EQU   X'08'
000031          UABOFL2  DS    C                   OVERRIDE FLAG #2
000032                   DS    XL2                 RESERVED
000034          UABMTADR DS    A                   ADDRESS OF Map type table entry
000038          UABLLIB  DS    A                   ADDRESS OF LOADLIB SLE
00003C          UABLDLST DS    A                   ADDRESS OF LOADLIST LDT
000040          UABDFCLS DS    H                   PRINT CLASS IF SET
000042          UABTEST  DS    H                   TEST VERSION NUMBER
000044          UABPRIO  DS    H                   User priority
000046          UABVARSZ DS    H                   Sizeof(UABVARs)
000048          UABCTYPE DS    CL16                LC_CTYPE Locale category (Char set)
000058          UABFNXTA DS    0A                  A(next UAB) if UAB in free chain
000058          UABVAR   DS    A                   Address of UABVARS
00005C          UABDMYV  DS    F                   Dummy UABVAR field
000060                   DS    0D                  Alignment
        00060   UABFXLN  EQU   *-UAB
                *-------------------------------------------------------------------
                * VARIABLE PORTION OF THE UAB (UABVARS)
                *-------------------------------------------------------------------
000000          UABVARS  DSECT
000000                   DS    0F                  ALIGNMENT
000000          UABVLEN  DS    X                   LENGTH OF COMPLETE ENTRY
                UABVOVR  #FLAG X'80'               THIS VALUE MAY >NOT< BE OVERRIDDEN
000001          UABVOVRI DS    0XL1
        00080   UABVOVRM EQU   X'80'
                UABVLST  #FLAG X'40'               THIS IS THE LAST KEY/VAL PAIR
000001          UABVLSTI DS    0XL1
        00040   UABVLSTM EQU   X'40'
                UABVSYS  #FLAG X'20'               THIS IS A SYSTEM ATTRIBUTE
000001          UABVSYSI DS    0XL1
        00020   UABVSYSM EQU   X'20'
                UABVADR  #FLAG X'10'               VALUE IS AN ADDRESS
000001          UABVADRI DS    0XL1
        00010   UABVADRM EQU   X'10'
000001          UABVFLG  DS    X                   SWITCH TO ALLOW/DISALLOW OVERRIDE
000002          UABVNOFF DS    X                   IF UABVADR, THIS IS OFFSET TO NAME
000003                   DS    X                   RESERVED
000004          UABVKEY  DS    CL8                 UAB VARIABLE KEY
        0000C   UABVFXLN EQU   *-UABVARS           LENGTH OF THE FIXED PORTION
00000C          UABVDATA DS    C                   UAB VARIABLE SUBSTUTION VALUE
        00020   UABATTLN EQU   32
```

1.158 #UCEDS

```
                    COPY #UCEDS
             ****************************************************************
             ***                                                          ***
             ***    UCE: UNIVERSAL COMMUNICATIONS ELEMENT CONTROL BLOCK   ***
             ***                                                          ***
             ***   UCE IS A DSECT THAT DESCRIBES THE CONTROL BLOCK USED BY ***
             ***   THE TRANSFER CONTROL FACILITY (TCF), THE AUTOMATIC     ***
             ***   SYSTEM FACILITY (ASF), AND THE DICTIONARY EXPORT/IMPORT ***
             ***   UTILITY (DIXI).                                        ***
             ***                                                          ***
             ****************************************************************

Offset  Value

000000       UCE      DSECT                          10:51:37 06/23/86
000000       UCEIDENT DS    CL4                     CALLER IDENTIFIER
000004       UCEDBNM  DS    CL8                     GLOBAL DBNAME
00000C       UCENODNM DS    CL8                     GLOBAL NODENAME
000014       UCEDCTNM DS    CL8                     GLOBAL DICTNAME
00001C       UCEDCNOD DS    CL8                     GLOBAL DICTNODE
             *
000024       UCESCHM  DS    CL8                     SCHEMA NAME
00002C       UCESCHMV DS    H                       SCHEMA VER
00002E       UCESSCH  DS    CL8                     SUBSCHEMA NAME
000036       UCESSCHV DS    H                       SUBSCHEMA VER
             *
000038       UCEINPT  DS    F                       ADDRESS OF INPUT AREA
00003C       UCEINLN  DS    F                       LENGTH OF INPUT AREA
000040       UCEOUTPT DS    F                       ADDRESS OF OUTPUT AREA
000044       UCEOUTLN DS    F                       LENGTH OF OUTPUT AREA
             *
000048       UCEEONAM DS    CL32                    ENTITY OCCURRENCE NAME
000068       UCEEOVER DS    H                       ENTITY OCCURRENCE VERSION
00006A                DS    H                       RESERVED
             *
00006C       UCEACT   DS    CL4                     ACTION CODE
             *
000070       UCERETCD DS    F                       RETURN CODE
000074       UCEMSGID DS    F                       ERROR MSG ID
000078       UCEMSGA  DS    F                       ERROR MSG ADDRESS
00007C       UCEMSG#L DS    H                       # LINES IN MESSAGE
             *
00007E                DS    CL30                    RESERVED
             *
00009C       UCEX     DS    0F                      UCE EXTENSION
             ***********************************************************************
             *       TRANSFER CONTROL FACILITY (UMBRELLA) EXTENSION              *
             ***********************************************************************
             *
00009C                ORG   UCEX                    SET ORIGIN TO EXTENSION
00009C       UCEUSYTI DS    F                       SAVED SYSTEM INIT TIME
0000A0       UCEUFRTK DS    CL8                     'FROM' TASK
0000A8       UCEUTOTK DS    CL8                     ACTIVE OR 'TO' TASK
0000B0       UCEUNXTK DS    CL8                     'NEXT' TASK FOR SWITCHING
0000B8       UCEUMNTK DS    CL8                     MAIN TASK - FOR SUSP PRODS
             *                                      WITH INTERNAL TASKCODES
             *
0000C0       UCEUTKLS DS    F                       ADD. PROD NAME/TASK CODE LIST
0000C4       UCEUTKNM DS    H                       NUMBER OF TASKCODE ENTRIES
0000C6       UCEUSENM DS    H                       NUMBER OF SESSION ENTRIES
0000C8       UCEUQRID DS    F                       QUEUE ID OF TABLE REC
```

```
                *
0000CC          UCEUSESD DS    CL16                    SESSION DESCRIPTOR
                *
0000DC          UCEUTHST DS    CL1                     'THIS TASK' INDICATOR
        000E2   UCEUSUSP EQU   C'S'                    TASK WAS SUSPENDED
        000D6   UCEUSNOF EQU   C'O'                    SESSION WAS ENDED
        000D7   UCEUPCNV EQU   C'P'                    PSEUDO-CONV TASK
                *
0000DD          UCEUNXTT DS    CL1                     'NEXT TASK' INDICATOR
        000D5   UCEUNEW  EQU   C'N'                    START A NEW SESSION
        000D6   UCEUOLD  EQU   C'O'                    RESUME AN OLD SESSION
0000DE                   DS    CL2
0000E0          UCEUUSER DS    CL32                    USER ID
                *
        00100   UCEUMBLN EQU   *-UCE                   LENGTH OF UMBRELLA UCE
                *
                ***********************************************************************
                *       DICTIONARY EXPORT/IMPORT UTILITY (DIXI)  EXTENSION          *
                ***********************************************************************
                *
000100                   ORG   UCEX                    SET ORIGIN TO EXTENSION
00009C          UCESSCTL DS    A                       A(@SSCTRL)
                UCEPUN   #FLAG X'40'                   PUNCH RECORD IN UCEOUTPT
0000A0          UCEPUNI  DS    0XL1
        00040   UCEPUNM  EQU   X'40'
                UCEPRT   #FLAG X'20'                   PRINT RECORD IN UCEOUTPT
0000A0          UCEPRTI  DS    0XL1
        00020   UCEPRTM  EQU   X'20'
                UCEERR   #FLAG X'10'                   ERROR RECORD IN UCEOUTPT
0000A0          UCEERRI  DS    0XL1
        00010   UCEERRM  EQU   X'10'
                UCEFINI  #FLAG X'08'                   CALLED PROCESS COMPLETE
0000A0          UCEFINII DS    0XL1
        00008   UCEFINIM EQU   X'08'
                UCEEOF   #FLAG X'04'                   INPUT EOF REACHED
0000A0          UCEEOFI  DS    0XL1
        00004   UCEEOFM  EQU   X'04'
0000A0          UCEFLAG1 DS    X                       PROCESS FLAG
                *
0000A1                   DS    XL3                     AVAILABLE
0000A4          UCEGETA  DS    A                       A(GETCARD) ROUTINE
0000A8          UCEPUNA  DS    A                       A(PUTCARD) ROUTINE
0000AC          UCEPRTA  DS    A                       A(PRTLINE) ROUTINE
                *
0000B0          UCESAVEA DS    16F                     CALLER'S REGSAVE AREA
        000F0   UCEDIXLN EQU   *-UCE                   LENGTH OF DIXI UCE
```

1.159 #UCFDS

```
                         COPY #UCFDS
                *********************************************************************
                ***                                                               ***
                *** UCF DSECTS:  ERUSVECT, DRVRVECT, EREZDS, EREXDS          03/05/91
                ***                                                               ***
                *********************************************************************

Offset  Value

                *
                *CONTAINS PTF# UCF/90 Add EREXEQR flag                TAMSU01 11/02/95
                *
                *
                *   ERUSVECT DSECT DESCRIBES THE VECTOR TABLE FOUND IN THE
                *   IDMSERUS MODULE, USED BY THE UCF DRIVER TO ACCESS THE VARIOUS
                *   ERUS SUBROUTINES.  THIS TABLE IS LOCATED BY A POINTER IN
                *   THE PLE EXTENSION FOR THE UCF PLE.
                *
000000          ERUSVECT DSECT ,                        09:08:32 07/18/85
000000          ERUSSNON DS    A                  SIGNON COMPLETION.
000004          ERUSABRT DS    A                  REQUEST UNIT ABORT.
000008          ERUSFIN  DS    A                  REQUEST UNIT TERMINATION.
00000C          ERUSPOST DS    A                  POST INTERFACE WITH RESULTS.
000010          ERUSRCV  DS    A                  SET UP TO RECEIVE RQST FROM INT.
000014          ERUSFIN2 DS    A                  PHASE 2 FINISH
                *
                *   DRVRVECT DSECT DESCRIBES THE VECTOR TABLE AT THE BEGINNING
                *   OF THE UCF DRIVER MODULE, RHDCD0ZU.  THE ADDRESS OF THIS
                *   TABLE IS FOUND IN THE PLEDRVR FIELD.  THE TABLE PROVIDES
                *   ADDRESSABILITY TO THE VARIOUS DRIVER ROUTINES AND CONSTANTS
                *   USED BY IDMSERUS.
                *
000000          DRVRVECT DSECT ,
000000          4700DRVRMAIN NOP   0                   MAIN ENTRY POINT TO DRIVER.
000004          DRVRLGON DS    A                  LOGON ROUTINE ENTRY POINT.
000008          DRVRDISC DS    A                  DISCONNECTION ROUTINE ENTRY POINT.
00000C          DRVRLEN1 DS    H                  LENGTH OF ERE EXTENSION FOR UCF
00000E          DRVRLEN2 DS    H                  LENGTH OF UCF SINON EXTENSION
                *
                *   THE EREXDS DSECT DESCRIBES THE EXTENSION OF THE ERE USED BY
                *   THE SVC TO PLACE THE SIGNON BIND DATA PASSED FROM THE INTERFACE.
                *   THE LENGTH OF THIS AREA NEEDED BY THE UCF ROUTINES IS
                *   FOUND IN A CONSTANT AT THE START OF THE DRIVER (SEE THE
                *   DRVRLEN2 FIELD ABOVE).  THE ADDRESS OF THIS AREA IS FOUND
                *   BY A(ERE) + ESESOXOF .  THE LENGTH IS IN ESESOXLN.
                *
000000          EREXDS   DSECT ,                        13:36:10 06/19/80
000000          EREXFSID DS    CL8                FRONT END SYSTEM ID
000008          EREXFTID DS    CL8                FRONT END TERM ID
000010          EREXPTEA DS    A                  ADDRESS OF PTE FOR RECONNECT.
000014          EREXSESN DS    F                  UCF SESSION NUMBER FOR RECONNECT.
000018          EREXRELS DS    H                  Release number
00001A                   DS    H                  **UNUSED**
                EREXDED  #FLAG X'80'              DEDICATED MODE FLAG
00001C          EREXDEDI DS    0XL1
        00080   EREXDEDM EQU   X'80'
                EREXINT  #FLAG X'40'              INTERMITTENT MODE FLAG
00001C          EREXINTI DS    0XL1
        00040   EREXINTM EQU   X'40'
                EREXCNV  #FLAG X'20'              CONVERSATIONAL MODE
00001C          EREXCNVI DS    0XL1
        00020   EREXCNVM EQU   X'20'
```

```
                EREXPR1  #FLAG X'10'               DEVICE IS A TYPE 1 PRINTER
00001C          EREXPR1I DS    0XL1
        00010   EREXPR1M EQU   X'10'
                EREXPR2  #FLAG X'08'               DEVICE IS A TYPE 2 PRINTER
00001C          EREXPR2I DS    0XL1
        00008   EREXPR2M EQU   X'08'
                EREXPRI  #FLAG EREXPR1M+EREXPR2M   DEVICE IS A PRINTER
00001C          EREXPRII DS    0XL1
        00018   EREXPRIM EQU   EREXPR1M+EREXPR2M
                EREXUPL  #FLAG X'04'               FRONT-END IN UPPER-LOWER CASE MODE
00001C          EREXUPLI DS    0XL1
        00004   EREXUPLM EQU   X'04'
                EREXUPP  #FLAG X'02'               FRONT-END IN UPPER CASE MODE
00001C          EREXUPPI DS    0XL1
        00002   EREXUPPM EQU   X'02'
                EREXPSI  #FLAG X'01'               PRINT CONTROL TASK SIGNON
00001C          EREXPSII DS    0XL1
        00001   EREXPSIM EQU   X'01'
00001C          EREXMODE DS    X                   SESSION MODE FLAGS
00001D          EREXTTYP DS    X                   TERMINAL TYPE CODE
00001E          EREXTMOD DS    X                   TERMINAL MODEL CODE
                EREXSFE  #FLAG X'80'    SMART FRONT END (CAN REMEMBER SESN # ON SUSP)
00001F          EREXSFEI DS    0XL1
        00080   EREXSFEM EQU   X'80'
                EREXEQR  #FLAG X'40'               Use extended 3270 attr
00001F          EREXEQRI DS    0XL1
        00040   EREXEQRM EQU   X'40'
                EREX327  #FLAG X'08'               USE 3270 DATASTREAMS
00001F          EREX327I DS    0XL1
        00008   EREX327M EQU   X'08'
                EREXEHL  #FLAG X'01'               TERMINAL SUPPORTS EXT. HIGHL.    DDK
00001F          EREXEHLI DS    0XL1
        00001   EREXEHLM EQU   X'01'
00001F          EREXSTAT DS    X                   COPIED TO PTESTAT
                ** NOTE: MOST OF THE FOLLOWING FLAGS CORRESPOND TO IDENTICAL FLAGS
                **       IN PTEOPTS.
                EREXABT  #FLAG X'01'               ABORT SESSION
000020          EREXABTI DS    0XL1
        00001   EREXABTM EQU   X'01'
                EREXFF   #FLAG X'02'               328X FORM-FEED IS SUPPORTED
000020          EREXFFI  DS    0XL1
        00002   EREXFFM  EQU   X'02'
                EREX328  #FLAG X'04'               TERMINAL LOOKS LIK A 328X PRINTER
000020          EREX328I DS    0XL1
        00004   EREX328M EQU   X'04'
                EREXASA  #FLAG X'08'               ASA CONTROL CHARACTERS REQUIRED
000020          EREXASAI DS    0XL1
        00008   EREXASAM EQU   X'08'
                EREXCST  #FLAG X'10'               COLLECT STATS FOR THIS TERMINAL
000020          EREXCSTI DS    0XL1
        00010   EREXCSTM EQU   X'10'
                EREXNRB  #FLAG X'40'               READ-BUFFER NOT SUPPORTED
000020          EREXNRBI DS    0XL1
        00040   EREXNRBM EQU   X'40'
                EREXSCS  #FLAG X'80'               SNA CHARACTER STRING DEVICE
000020          EREXSCSI DS    0XL1
        00080   EREXSCSM EQU   X'80'
000020          EREXOP1  DS    X                   COPIED TO PTEOPTS
000021          EREXTRG  DS    X                   COPIED TO PTETRCG
000022          EREXTRB  DS    X                   COPIED TO PTETRCB
000023          EREXDPRT DS    X                   COPIED TO PTEPRTCL
000024          EREXLLEN DS    H                   LINE LENGTH
000026          EREXPLEN DS    H                   PAGE LENGTH
000028                   ORG   EREXLLEN
000024          EREXABCD DS    CL4                 ABORT CODE
000028          EREXUSER DS    CL18                UserID (must match SONUSRID).
```

```
00003A                 DS    CL14                Filler for 32 byte compat.
000048        EREXTASK DS    CL8                 Front end task code.
        00050 EREXDSLN EQU   ((*-EREXDS+7)/8)*8  LENGTH OF DSECT.
        00040 LENUCTRB EQU   64                  SIZE OF AREA HEADER FOR TRB
              ***************************************************************
              *** FRONT END TABLE HEADER                                  ***
              ***************************************************************
000000        FESHDS   DSECT
000000        FESHNFES DS    H                   NUMBER OF FRONT END SYSTEMS
000002        FESHLENT DS    H                   LENGTH OF AN ENTRY (FESDSLEN)
000004        FESHKYOF DS    H                   OFFSET TO FESID IN FESDS
000006        FESHKYLN DS    X                   LENGTH OF KEY
000007        FESHFLAG DS    X                   FLAG BYTE (SEE TBH DSECT FOR DEFS)
000008        FESHFFES DS    A                   ADDRESS OF FIRST FES ENTRY
        0000C FESHDSLN EQU   *-FESHDS
              ***************************************************************
              *** FRONT END SYSTEM DEFINITION TABLE ELEMENT                ***
              ***************************************************************
000000        FESDS    DSECT                            09:34:32 06/27/80
000000        FESID    DS    CL8                 FRONT END SYSTEM ID
000008        FESISTAT DS    X                   INITIAL FRONT END STATUS
              FESONLN  #FLAG X'01'               FRONT END NEW CONN. ALLOWED
000009        FESONLNI DS    0XL1
        00001 FESONLNM EQU   X'01'
              FESQUES  #FLAG X'02'               FRONT END SHUTTING DOWN
000009        FESQUESI DS    0XL1
        00002 FESQUESM EQU   X'02'
000009        FESCSTAT DS    X                   CURRENT FRONT END STATUS
00000A        FESMAXS  DS    H                   MAX CONCURRENT SESSIONS
00000C        FESCURS  DS    H                   CURRENT ACTIVE SESSIONS
00000E        FESBLKSZ DS    H                   PAKET size for this FE.
000010        FESDATA  DS    8H                  ADDITIONAL FRONT END SYSTEM DATA
        00020 FESDSLN  EQU   *-FESDS
```

1.160 #UIOCB

```
                        COPY #UIOCB

Offset  Value

000020          UIOCB    DS    0F
                ********************************************************************
                **
                **   UIOCB    USER I/O COMMUNICATIONS BLOCK
                **
                **             ## - LU6.2 ONLY
                **             $$ - FOR FUTURE USE
                ********************************************************************
000020          UIOLTEA  DS   A                    ADDR OF LOGICAL TERMINAL ELEMENT
                *                                  (CONVERSATION IDENTIFIER)
                *-------------------------------------------------------------------*
                *     SESSION ATTRIBUTES
                *-------------------------------------------------------------------*
000024          UIOBIND  DS   A                    ADDRESS OF BIND PARAMETERS
000028          UIOLLU   DS   CL8                  LOCAL LU NAME ( OWN_LU_NAME )
000030          UIORLU   DS   CL8                  REMOTE LU NAME ( PARTNER_LU_NAME)
000038          UIOMODE  DS   CL8                  MODEENT NAME ( MODE_NAME )
000040          UIOSYNC  DS   X             ##     SYNC_LEVEL
        00000   UIOSYNCN EQU  X'00'                SYNC_LEVEL = NONE
        00001   UIOSYNCC EQU  X'01'                SYNC_LEVEL = CONFIRM
        00010   UIOSYNCS EQU  X'10'                SYNC_LEVEL = SYNCPOINT
000041          UIOCONV  DS   X             ##     CONVERSATION TYPE
        00000   UIOCONVB EQU  X'00'                CONVERSATION TYPE = BASIC
        00001   UIOCONVM EQU  X'01'                CONVERSATION TYPE = MAPPED
000042          UIOMAPN  DS   CL24          $$     LU6.2 MAP NAME
00005A          UIOTASK  DS   CL8                  REMOTE TASK TO BE ALLOCATED (TPN)
000062          UIOUSER  DS   CL8           ##     USER ID TO BE PASSED WITH ALLOCATE
00006A          UIOPASS  DS   CL8           ##     PASSWORD TO BE SENT WITH ALLOCATE
000072          UIOPROFL DS   CL8           ##     PROFILE ID TO BE SENT W/ ALLOCATE
00007A          UIOINRU  DS   H                    MAX RU SIZE ON INPUT
00007C          UIOUTRU  DS   H                    MAX RU SIZE ON OUTPUT
00007E          UIORSV   DS   4H                   RESERVED
                *-------------------------------------------------------------------*
                *    WHAT RECEIVED
                *-------------------------------------------------------------------*
                UIODAT   #FLAG X'80'               DATA
000086          UIODATI  DS    0XL1
        00080   UIODATM  EQU   X'80'
                UIOERR   #FLAG X'40'        ##     ERROR  (SEND_ERROR RECEIVED)
000086          UIOERRI  DS    0XL1
        00040   UIOERRM  EQU   X'40'
                UIOLST   #FLAG X'20'               DEALLOCATE   (SEND LAST RECEIVED)
000086          UIOLSTI  DS    0XL1
        00020   UIOLSTM  EQU   X'20'
                UIOCD    #FLAG X'10'               CHANGE DIRECTION  (TIME TO SEND)
000086          UIOCDI   DS    0XL1
        00010   UIOCDM   EQU   X'10'
                UIOCFM   #FLAG X'08'               CONFIRM  (CONFIRMATION REQUESTED)
000086          UIOCFMI  DS    0XL1
        00008   UIOCFMM  EQU   X'08'
                UIOSIG   #FLAG X'04'               SIGNAL  (REQUEST_TO_SEND RECEIVED)
000086          UIOSIGI  DS    0XL1
        00004   UIOSIGM  EQU   X'04'
                UIOSPT   #FLAG X'02'        $$     SYNCPOINT (TAKE_SYNCPOINT)
000086          UIOSPTI  DS    0XL1
        00002   UIOSPTM  EQU   X'02'
                UIOROL   #FLAG X'01'        $$     SYNCPOINT ROLLBACK REQUIRED
000086          UIOROLI  DS    0XL1
```

```
        00001  UIOROLM  EQU   X'01'
000086         UIOWREC  DS    X                    WHAT_RECEIVED
               UIOFMH   #FLAG X'80'                DATA CONTAINS FMH
000087         UIOFMHI  DS    0XL1
        00080  UIOFMHM  EQU   X'80'
               UIODTC   #FLAG X'40'                DATA_COMPLETE (OFF = INCOMPLETE)
000087         UIODTCI  DS    0XL1
        00040  UIODTCM  EQU   X'40'
000087         UIODATF  DS    X                    DATA TYPE FLAG
               *-------------------------------------------------------------------*
               *    ERROR INFORMATION FIELDS
               *-------------------------------------------------------------------*
000088         UIOURA   DS    0X
000088         UIOUCOM  DS    XL1                  IDMS-DC ERROR CODE
        00000  UIOCOMPG EQU 0   GOOD COMPLETION - I/O SUCCESSFUL
        00008  UIOCOMPA EQU 8   TERMINAL OPERATOR HIT ATTN OR BREAK DURING OUTPUT
        0000C  UIOCOMPL EQU 12  LOGICAL ERRORS - INVALID COMMAND SEQUENCE
        00010  UIOCOMPP EQU 16  PERMANENT I/O ERROR
        00014  UIOCOMPD EQU 20  SESSION WAS DISCONNECTED OR INTERVENTION REQ.
        00018  UIOCOMPO EQU 24  SESSION IS OUT-OF-SERVICE
        0001C  UIOCOMPC EQU 28  SESSION IS CLOSED (OPEN DIDN'T WORK)
        00020  UIOCOMPI EQU 32  INVALID TRB PARAMETER LIST
000089         UIOUCM2  DS    XL1                  SECONDARY DC ERR-CODE
        00001  UIOLGNR  EQU   X'01'    ERR - LOGON ROUTINE
        00002  UIOPROF  EQU   X'02'    ERR - PRIOR OPEN FAILURE
        00003  UIORTEX  EQU   X'03'    ERR - RETRIES EXHAUSTED (MAX ERRS EXCEEDED)
        00004  UIONEGR  EQU   X'04'    ERR - NEGATIVE RESP TO SEND DATA
        00005  UIOSRPF  EQU   X'05'    ERR - SEND RESPONSE FAILED
        00006  UIONUIO  EQU   X'06'    ERR - NO UIOCB ADDRESS AVAILABLE
        00007  UIOUNKI  EQU   X'07'    ERR - UNKNOWN INPUT RECEIVED
        00008  UIOBBFL  EQU   X'08'    ERR - BRACKET BID FAILURE
        00009  UIOWQUR  EQU   X'09'    ERR - WAITING ON QUIESCE RELEASE
        0000A  UIOSTSN  EQU   X'0A'    ERR - MSG RESYNC FAILURE (ON SEND CHAIN)
        0000B  UIOSTSR  EQU   X'0B'    ERR - MSG RESYNC FAILURE REPETIVELY
        0000C  UIOPLEC  EQU   X'0C'    ERR - PIPELINE EXCEEDED MAX EXCP RESPONSES
        0000D  UIOPLRD  EQU   X'0D'    ERR - PIPELINE READ RQST IS NOT SUPPORTED
        0000E  UIOUCD   EQU   X'0E'    ERR - UNIDENTIFIED NORMAL FLOW CMD RECEIVED
        0000F  UIORCAF  EQU   X'0F'    ERR - RESET TO CONT-ANY FAILED
        00010  UIOLUSR  EQU   X'10'    ERR - UNKNOWN LUSTAT RECEIVED
        00011  UIOCNNA  EQU   X'11'    ERR - CHAINED-INPUT NOT ALLOWED THIS PTE TYPE
        00012  UIOUNXC  EQU   X'12'    ERR - UNEXPECTED COMMAND RECEIVED
        00013  UIOCNCR  EQU   X'13'    ERR - CANCEL COMMAND RECEIVED
        00014  UIOCHRC  EQU   X'14'    ERR - CHASE COMMAND RECEIVED
        00015  UIORCVF  EQU   X'15'    ERR - RECEIVE FAILED
        00016  UIOFMHG  EQU   X'16'    ERR - FMH DEFAULT IN SYSGEN CAN'T BE USED
        00017  UIOVMMT  EQU   X'17'    ERR - GENCB/MODCB FAILURE
        00018  UIOSNDF  EQU   X'18'    ERR - SEND CMD FAILURE
        00019  UIOWBMS  EQU   X'19'    ERR - WRITE BUFFER MISSING
        0001A  UIOFMHS  EQU   X'1A'    ERR - FMH OR FMH-OPTION SPECIFICATION ERROR
        0001B  UIOQECR  EQU   X'1B'    ERR - QEC RECV'D, USER CONTROLS OUTB CHAINING
        0001C  UIOPUNK  EQU   X'1C'    ERR - PTE TYPE UNKNOWN
        0001D  UIOLTNA  EQU   X'1D'    ERR - LAST OPTION DISALLOWED
        0001E  UIOPMXW  EQU   X'1E'    ERR - PIPELINE MAX NBR WRITES (1) EXCEEDED
        0001F  UIOOPNS  EQU   X'1F'    ERR - OPT/RQST NOT SUPPTD THIS PTE OR LU TYPE
        00020  UIOWSZX  EQU   X'20'    ERR - WRT SIZ GTR PRUSZ, & CHAIN NOT ALLOWED
        00021  UIOSLUF  EQU   X'21'    ERR - SEND LUS (IN LIEU NEG RESP) FAILED
        00022  UIORBKF  EQU   X'22'    ERR - RESET BRACKET (SEND EB) FAILURE
        00023  UIORQRA  EQU   X'23'    ERR - RQR ATTEMPTED
        00024  UIORBNS  EQU   X'24'    ERR - READ-BUFFER NOT SUPPORTED
        00025  UIOUCNR  EQU   X'25'    ERR - OUTB USER CHAINING - NEG RESPONSE
        00026  UIONEGC  EQU   X'26'    ERR - NEG RESP TO SEND COMMAND
        00027  UIONRNR  EQU   X'27'    ERR - NEG RESP, SEND CHAIN, NO RECOVERY POSS
        00028  UIOLURS  EQU   X'28'    ERR - LU RQST'D SHUTDOWN
        00029  UIORCCE  EQU   X'29'    ERR - REQUEST CANCELED, CONVERSATION ENDED
        0002A  UIOSIGR  EQU   X'2A'    ERR - SIGNAL RECEIVED NOT RECOGNIZED
        0002B  UIOIGDS  EQU   X'2B'    ERR - INVALID LU6.2 GDS ID
```

```
        0002C  UIOSCRM  EQU   X'2C'    ERR - SEND CANCELED, WE ARE IN RECV-MODE
        0002D  UIOZLMR  EQU   X'2D'    ERR - ZERO-LNG MSG RECEIVED
        0002E  UIONMRT  EQU   X'2E'    ERR - INVALID/MISSING REQUEST TYPE
        0002F  UIOALFR  EQU   X'2F'    ERR - ALLOCATE FAILED, SESSION BUSY, RETRY OK
        00030  UIOALFN  EQU   X'30'    ERR - ALLOCATE FAILED, NO RETRY
        00031  UIOALFS  EQU   X'31'    ERR - ALLOCATE FAILED,SYNCLEVEL NOT SUPPORTED
        00032  UIOUNBD  EQU   X'32'    ERR - UNBIND RECEIVED
        00033  UIOSNDE  EQU   X'33'    ERR - LU6.2 SEND ERROR RECEIVED
        00034  UIOABND  EQU   X'34'    ERR - LU6.2 SEND ABEND RECEIVED
        00035  UIOXLIM  EQU   X'35'    ERR - LIMIT ON INPUT EXCEEDED, READ FAILED
        00036  UIOEBR   EQU   X'36'    END BRACKET RECEIVED - DEALLOCATE NORMAL
        00037  UIOEM01  EQU   X'37'    RHDCD0FI -  ERROR ON 3270 READ
        00038  UIOEM02  EQU   X'38'    RHDCD0FI -  3270 DATA DOESN'T START WITH '*'
        00039  UIOEM03  EQU   X'39'    RHDCD0FI -  3270 DATA HAS BAD SEQUENCE NUMBER
        0003A  UIOEM04  EQU   X'3A'    RHDCD0FI -  3270 DATA TOO SHORT
        0003B  UIOEM05  EQU   X'3B'    RHDCD0FI -  BAD CHARACTER IN 3270 DATA
        0003C  UIOEM06  EQU   X'3C'    RHDCD0FI -  3270 DATA INVALID LENGTH
        0003D  UIOEM07  EQU   X'3D'    RHDCD0FI -  3270 DATA DOESN'T END WITH '*'
00008A         UIOURTC  DS    XL1                 VTAM RTNCD
00008B         UIOUFDB  DS    XL1                 VTAM FDBK2
00008C         UIOUSEI  DS    XL1                 VTAM SENSE INFO
00008D         UIOUSMI  DS    XL1                 VTAM SENSE MODIFIER
00008E         UIOUUSI  DS    XL2                 VTAM USER SENSE INFO
000090         UIORSV1  DS    XL4                 RESERVED
000094         UIOUSIG  DS    XL4                 SIGNAL DATA - EXPD-FLOW-CMD
        00010  UIOURAL EQU   *-UIOURA   LENGTH OF ERROR INFO FIELDS
000098         UIORSV2  DS    XL27                RESERVED
0000B3         UIODWORK DS    XL1                 WORK BYTE RESERVED FOR IDMS-DC
0000B4                  DS    0F                  ENSURE BOUNDARY - RFH
0000B4         UIOCDEFA DS    A                   Address of DNS CDEF data.
0000B8         UIOSNONA DS    A                   Address of DNS signon data.
        0009C  UIOCBL  EQU   *-UIOCB   LENGTH OF UIOCB
```

1.161 #UMBTKDS

```
                        COPY #UMBTKDS

Offset  Value

                *              UMBRELLA TASK TABLE DSECT
000000          UMBTK    DSECT                            14:42:28 09/28/83
000000          UMBFLAG  DS    X                       TASK FLAG
                UMBTINT  #FLAG X'80'                   INTERNAL TASK
000001          UMBTINTI DS    0XL1
        00080   UMBTINTM EQU   X'80'
000001          UMBPROD  DS    CL8                     GENERIC PROD NAME FOR TASKCODE
000009          UMBTSKCD DS    CL8                     TASKCODE
        00011   UMBTKLN  EQU   *-UMBTK                 LENGTH OF TABLE ENTRY
```

1.162 #URBDS

```
                    COPY #URBDS
             ********************************************************************
             *** UCF REQUEST BLOCK                                            ***
             ********************************************************************

Offset  Value

000000       URB      DSECT                          14:34:18 09/19/84   08/03/93
000000       E4D9C25CURBLABEL DC    CL4'URB*'          EYE-CATCHER FOR DUMPS
000004       URBFETID DS    CL8                 FRONTEND TERMINAL ID
00000C       URBBERQ  DS    X                   REQUEST TO BACK-END FROM FRONT-END
        00004 URBRQRDY  EQU   X'04'                 READY FOR WORK
        00008 URBRQRC   EQU   X'08'                 READ COMPLETE
        0000C URBRQWC   EQU   X'0C'                 WRITE COMPLETE
        00010 URBRQCP   EQU   X'10'                 CONNECT PRINTER
        00014 URBRQGLF  EQU   X'14'                 GETLTE FAILED
        00018 URBRQAB   EQU   X'18'                 FRONT-END IS ABENDING
        0001C URBRQPD   EQU   X'1C'                 PASSING USER DATA TO BACK-END
00000D       URBFERQ  DS    X                   REQUEST TO FRONT-END FROM BACK-END
        00004 URBRQPC   EQU   X'04'                 PRINTER CONNECTED
        00008 URBRQRD   EQU   X'08'                 READ
        0000C URBRQWR   EQU   X'0C'                 WRITE
        00010 URBRQPR   EQU   X'10'                 PRINT
        00014 URBRQGLT  EQU   X'14'                 GETLTE   (ACQUIRE PRINTER)
        00018 URBRQFLT  EQU   X'18'                 FREELTE  (RELEASE PRINTER)
        0001C URBRQDC   EQU   X'1C'                 DISCONNECT
        00020 URBRQXFT  EQU   X'20'                 TRANSFER TO FRONT-END TASK
00000E       URBRTNCD DS    X                   REQUEST COMPLETION CODE
        00000 URBRTOK  EQU   0                   GOOD COMPLETION
        00004 URBRTIT  EQU   4                   INPUT TRUNCATED
        00008 URBRTIA  EQU   8                   OPER HIT ATTN OR BRK DURING OUTPUT
        0000C URBRTLE  EQU   12                  LOGICAL ERROR IN DATASTREAM
        00010 URBRTPE  EQU   16                  PERMANENT ERROR
        00014 URBRTIV  EQU   20                  INTERVENTION REQ. OR DISC.
        00018 URBRTOS  EQU   24                  TERM OUT OF SERVICE
        0001C URBRTCL  EQU   28                  TERMINAL IS CLOSED
        00020 URBRTBP  EQU   32                  INVALID URB
              URBSUSP  #FLAG X'80'               SUSPEND SESSION
00000F       URBSUSPI DS    0XL1
        00080 URBSUSPM EQU   X'80'
              URBBGLN  #FLAG X'04'               #GETLTE NOWAIT
00000F       URBBGLNI DS    0XL1
        00004 URBBGLNM EQU   X'04'
              URBBTST  #FLAG X'02'               #GETLTE TEST
00000F       URBBTSTI DS    0XL1
        00002 URBBTSTM EQU   X'02'
00000F       URBBESTA DS    X                   BACKEND STATUS
000010       URBDCOD  DS    CL4                 DISCONNECT CODE
000014                DS    3F                        (UNUSED)
000020                DS    (FMHEADL)X
000020                DS    (CCIDCLEN)X
        00020 URBDSLEN EQU   *-URB
```

1.163 #UTHDS

```
                         COPY #UTHDS
                ******************************************************************
                *** USER TRACE HEADER                                          ***
                ******************************************************************

Offset  Value

000000          UTH      DSECT                          11:55:04 12/04/82   02/03/93
000000          UTHTRID  DS    H
000002          UTHNENT  DS    H                   NUMBER OF ENTRIES
000004          UTHDATE  DS    F                   DATE STARTED
000008          UTHTIME  DS    F                   TIME STARTED
00000C          UTHNEXT  DS    AL4                 ADDRESS OF OLDEST ENTRY
000010          UTHLAST  DS    AL4                 ADDRESS OF LAST USED ENTRY
000014          UTHCUR   DS    AL4                 ADDRESS OF CURRENT ENTRY
000018          UTHHIGH  DS    F                   ADDRESS OF LAST ENTRY IN BUFFER
                UTHSAVE  #FLAG X'80'               SAVE IF SET ELSE WRAP
00001C          UTHSAVEI DS    0XL1
        00080   UTHSAVEM EQU   X'80'
                UTHBFUL  #FLAG X'40'               BUFFER HAS BEEN FILLED
00001C          UTHBFULI DS    0XL1
        00040   UTHBFULM EQU   X'40'
00001C          UTHFLAG  DS    X                   FLAG BYTE
000020                   DS    0F                  FORCE FULLWORD ALIGNMENT
        00020   UTHDSLEN EQU   *-UTH               LENGTH OF DSECT
                ******************************************************************
                *** USER TRACE ENTRY                                           ***
                ******************************************************************
000000          UTE      DSECT                          15:09:28 09/25/79
                UTERES   #FLAG X'40'               RESIDENT PROGRAM
000000          UTERESI  DS    0XL1
        00040   UTERESM  EQU   X'40'
                UTECOBL  #FLAG X'20'               COBOL PROGRAM
000000          UTECOBLI DS    0XL1
        00020   UTECOBLM EQU   X'20'
                UTEPLI   #FLAG X'10'               PL/I PROGRAM
000000          UTEPLII  DS    0XL1
        00010   UTEPLIM  EQU   X'10'
                UTEQUSI  #FLAG X'08'               PROGRAM IS QUASI-REENTRANT
000000          UTEQUSII DS    0XL1
        00008   UTEQUSIM EQU   X'08'
                UTETRLY  #FLAG X'04'               PROGRAM IS TRULY REENTRANT
000000          UTETRLYI DS    0XL1
        00004   UTETRLYM EQU   X'04'
                UTESNGL  #FLAG X'02'               PROGRAM IS SINGLE THREADED
000000          UTESNGLI DS    0XL1
        00002   UTESNGLM EQU   X'02'
                UTERELD  #FLAG X'01'               RELOAD NEW COPY FOR EACH TASK
000000          UTERELDI DS    0XL1
        00001   UTERELDM EQU   X'01'
000000          UTEFLAG  DS    X                   LANGUAGE FLAG BYTE
000001          UTETYPE  DS    X                   TRACE RECORD TYPE
000002          UTECSAF  DS    H                   CSA FUNCTION CODE
000004          UTEID    DS    H                   TRACE ID
000006          UTELEN   DS    H                   DATA LENGTH
000008          UTETIME  DS    F                   TIME OF TRACE
00000C          UTEDSEQ  DS    F                   DML SEQUENCE NUMBER
000010          UTERTN   DS    AL4                 RETURN ADDRESS
000014          UTEPRGM  DS    CL8                 PROGRAM NAME
                UTEDBCL  #FLAG X'80'               Navigational DML
00001C          UTEDBCLI DS    0XL1
        00080   UTEDBCLM EQU   X'80'
```

```
               UTEDCCL  #FLAG X'40'              DC vector call
00001C         UTEDCCLI DS    0XL1
        00040  UTEDCCLM EQU   X'40'
               UTESQL   #FLAG X'20'              SQL request
00001C         UTESQLI  DS    0XL1
        00020  UTESQLM  EQU   X'20'
00001C         UTECFLGS DS    XL1                CALL FLAGS
00001D                  DS    XL3                RESERVED
        00020  UTEHLEN  EQU   *-UTE              LENGTH OF COMMON SECTION
000020         UTEREGR  DS    4F                 REGS 14-1 FOR RETURN TYPE ENTRY
        00030  UTERLEN  EQU   *-UTE              LENGTH OF RETURN ENTRY
000030                  ORG   UTEREGR            RESET ORIGIN
000020         UTEREGC  DS    16F                REGISTERS ON CALL
        00060  UTECLEN  EQU   *-UTE              LENGTH OF CALL ENTRY
```

1.164 #VIBDS

```
                         COPY #VIBDS
                 ***
                 ***
                 ***  VIB:     VARIABLE IB50 SUBSCHEMA TABLE ELEMENT DSECT
                 ***
                 ***

Offset  Value

000000           VIB      DSECT
000000           VIB50    DS    CL4                 LITERAL "VB50"
000004           VIBPNUM  DS    F                   NUMBER OF PARMS
000008           VIBSSCA  DS    A                   ADDR OF SSC (SUBSCHEMA-CTRL)
00000C           VIBFNUM  DS    A                   ADDR OF FUNCTION# OFFSET
        00008    VIBPARM0 EQU   VIBSSCA             0TH USER PARM
        0000C    VIBPARM1 EQU   VIBFNUM             1ST USER PARM
000010           VIBPARM2 DS    F                   2ND USER PARM
000014           VIBPARM3 DS    F                   3RD USER PARM
000018           VIBPARM4 DS    F                   4TH USER PARM
00001C           VIBPARM5 DS    F                   5TH USER PARM
000020           VIBPARM6 DS    F                   6TH USER PARM
000024           VIBPARM7 DS    F                   7TH USER PARM
        00020    VIBPMAXL EQU   *-VIBPARM0          MAXIMUM PARM LIST LENGTH
        00008    VIBPMAXN EQU   VIBPMAXL/4          MAXIMUM NUMBER OF PARAMETERS
000028           VIBPARM8 DS    F                   8TH USER PARM
00002C                    ORG   VIBPARM4            REDEFINES FOR CURS CALL RETURNS.
000018           VIBCURSN DS    F                   NEXT POINTER FROM PREFIX.
00001C           VIBCURSP DS    F                   PRIOR POINTER FROM PREFIX.
000020           VIBCURSO DS    F                   OWNER POINTER FROM PREFIX.
000024           VIBCRIXP DS    F                   INDEX SET PRIOR POINTER.
000028           VIBCRIXN DS    F                   INDEX SET NEXT POINTER.
00002C                    ORG
00002C           VIBRUNID DS    F                   RUN-UNIT ID
000030           VIBDM58A DS    A                   ADDR OF DMCL TABLES DM58
000034           VIBFIBA  DS    A                   ADDR OF FIXED IB50 ELEMENT
000038           VIBVSEA  DS    A                   BASE OF VARIABLE SR51 AC56...
00003C           VIBVSBA  DS    A                   ADDR OF VARIABLE B1 SS-BUFFER
000040           VIBRCEA  DS    A                   ADDR OF RCE
000044           VIBCCEN  DS    A                   ADDR OF NEXT VIB
000048           VIBCCEP  DS    A                   ADDR OF PRIOR VIB
00004C           VIBHRBA  DS    A                   -->HLDB's HRB.
000050           VIBPBE   DS    H                   Predicate code begin offset.
000052           VIBPEN   DS    H                   Predicate code end offset.
000054           VIBAAL#  DS    H                   AREA ACQUISITION LOOP COUNT.
000056           VIBAAT   DS    H                   AREA ACQUISTION THRESHOLD.
000058           VIBACTL  DS    C      *** FLAGS FOR AREA LOCKOUT IN CV ***
        00080    VIBACTLR EQU   X'80'  1 IF THE LAST CALL WAS A 'READY' VERB.
                 *                     0 IF THE LAST CALL WAS OTHER THAN 'READY'.
        00040    VIBACTLC EQU   X'40'  1 IF AREA LOCKING DETECTED AN AREA CONFLICT.
                 *                     0 IF NO USAGE-MODE CONFLICTS WERE DETECTED.
        00020    VIBACTLP EQU   X'20'  1 IF CONFLICTING RUN-UNIT CAN BE PREEMPTED.
                 *                     0 IF WE ARE NOT PREEMPTING OTHER RUN-UNITS.
000059           VIBCENT  DS    C      *** LOCAL/CENTRAL SWITCH ***
        00000    VIBCENTL EQU   X'00'  LOCAL VERSION IN USE.
        00001    VIBCENTC EQU   X'01'  CENTRAL VERSION IN USE.
                 *
00005A           VIBSDBK# DS    H                   Count of entries in LKRSDBKL
00005C           VIBSDBK0 DS    A                   ->LKRSDBK0
                 *
000060           VIBTCEA  DS    A                   CV A(TCE)
000064           VIBLOCID DS    0CL8                LOCAL TASK IDENTIFICATION
000064           VIBLID1  DS    CL4                 LOCAL TASK ID PART 1
000068           VIBLID2  DS    XL4                 LOCAL TASK ID PART 2
```

```
Offset  Value

00006C          VIBRULOK DS    H                   MAX DBKEY LOCKS FOR RU
00006E          VIBPGRUP DS    H      SCHEMA AREA PAGE GROUP IDENTIFIER
                *                     USED TO UNIQUELY QUALIFY AREA
                *                     PAGE RANGE OVERLAPS WITHIN DMCL
000070          VIBTBKA  DS    A                   A(TRANSACTION BLOCK)
000074          VIBTBKN  DS    A                   Next VIB in TBK-VIB
000078          VIBTBKP  DS    A                   Prior VIB in TBK-VIB
00007C          VIBIOPA  DS    A                   A(VIB IOP)
000080          VIBSTATA DS    A                   A(IDMS STATISTICS)
000084          VIBSTAXA DS    A                   A(IDMS STATISTICS EXTENSION).
000088          VIBTBXA  DS    A                   A(TRANSACTION EXT. BLOCK)
00008C                   DS    A                  RESERVED (ALLOX TABLE OBSOLETE)
000090          VIBBINDA DS    A                   AUTOBIND ADDRESS
000094          VIBSTAT1 DS    C                   DISPLAYABLE DBMS STATUS
000095          VIBSTAT2 DS    C                   DISPLAYABLE WAIT STATUS
000096          VIBSTAT3 DS    C                   DISPLAYABLE DBKEY LOCK STATUS
000097          VIBSPFCR DS    C                  RESERVED (SPFCR OBSOLETE)
                *        DS    F                  RESERVED (JTBFN MOVED TO TBK)
000098          VIBVLTH  DS    H                   TOTAL DATA LTH OF VARIABLE LTH RCD
00009A          VIBLPGRP DS    H                   Lock Page Group
00009C          VIBLKYFT DS    XL1                 DBKEY radix for locking         R150
00009D                   DS    XL3                Reserved (JTAFN moved to TBK)
0000A0          VIBKYFMT DS    F                   SCHEMA DBKEY FORMAT WORD
                *
                * SCHEMA DBKEY FORMAT WORD:          BYTE 0-1 UNUSED
                *        FROM IB50                  BYTE 2   HIGHEST LINE # VALUE
                *                                   BYTE 3   NO. OF BITS IN LINE #
                *
0000A4          VIBDBNAM DS    CL8                 ORIGINAL BIND DBNAME
0000AC          VIBSAVLB DS    F                   A(LB74) SAVED BY HLDB FOR FDRN
0000B0          VIBCRD   DS    A                   CURRENT SCHEMA DEF RECORD ADDR
0000B4          VIBCAREA DS    A                   CURRENT FAC56 ADDR
0000B8          VIBVAREA DS    A                   ==>DYNAMIC AC56
0000BC          VIBSTTUS DS    0CL4                ERROR STATUS
0000BC          VIBSTTMJ DS    CL2                 MAJOR FIELD OF ERROR-STATUS
0000BE          VIBSTTMN DS    CL2                 MINOR FIELD OF ERROR-STATUS
0000C0          VIBSCBA  DS    A                   A(SCB) FOR PRESTO
0000C4          VIBCDBK  DS    F                   CURRENT DBKEY FOR THIS SUB-SCHEMA
0000C8          VIBPID   DS    CL8                 APPLICATION PROGRAM NAME
0000D0          VIBPRA   DS    A                   IDMSEXP PREDICATE RESULT
0000D4          VIBRSR   DS    A                   SR51 FROM RDBK.
0000D8          VIBTC    DS    A                   DEF ADDR OF DEF REQUESTED
0000DC          VIBCSR51 DS    A                   ADDR OF CURRENT SUB-SCHEMA REC DEF
0000E0          VIBCPRM1 DS    F                   DBMS PARM1-VERBNO
0000E4                   ORG   VIBCPRM1+3
0000E3          VIBVRBNO DS    XL1                 DBMS VERB NUMBER.
0000E4          VIBCPRM2 DS    F                   DBMS PARM2
0000E8          VIBCPRM3 DS    F                   DBMS PARM3
0000EC          VIBTSR   DS    A                   CURRENT REC TYPE SR51 ADDRESS
0000F0          VIBVTSR  DS    A                   ==>DYNAMIC SR51
0000F4          VIBTMR   DS    A                   CURRENT MEMBER DEF MR53 ADDRESS
0000F8          VIBTOR   DS    A                   CURRENT OWNER  DEF OR52 ADDRESS
0000FC          VIBVTOR  DS    A                   ==>DYNAMIC OR52
000100                   DS    A                  RESERVED
000104          VIBTRACE DS    7AL1                LAST VERB TRACE TABLE
00010B          VIBLSTVB DS    AL1                 LAST VERB
00010C          VIBTRAST DS    7AL1                LAST ERRSW TRACE
000113          VIBLSTST DS    AL1                 LSTSTAT
000114          VIBDBKEY DS    F                   WORKING DBKEY OF R/U
000118          VIBERRSR DS    F                   ADDR OF SR51 FOR RECORD IN ERROR
00011C          VIBERRDB DS    F                   DBKEY NOT FOUND, INVALID, ETC.
000120          VIBBND59 DS    XL1                 0 BEFORE BIND59, 1 AFTER.
000121          VIBCURS  DS    XL1                 0 NORMAL CALL, 1 CALL FROM CURS.
000122          VIBKPCAL DS    XL1                 0 IF NOTIFY-POST CALL NOT NEEDED,
                *                                  1 IF CALL IS NEEDED.
000123          VIBKPFUN DS    XL1                 NOTIFY-POST REASON CODE.
```

```
Offset  Value

        00001  VIBKPRET EQU   X'01'                 RECORD IS RETRIEVED.
        00002  VIBKPUPD EQU   X'02'                 RECORD DATA IS UPDATED.
        00004  VIBKPUPP EQU   X'04'                 RECORD PREFIX IS UPDATED.
        00008  VIBKPDLL EQU   X'08'                 RECORD IS LOGICALLY DELETED.
        00010  VIBKPDLP EQU   X'10'                 RECORD IS PHYSICALLY DELETED.
        00020  VIBKPUNK EQU   X'20'                 INDETERMINATE CHANGE TO RECORD.
000124                 DS    F                  RESERVED (KPCNT OBSOLETE).
               *
000128         VIBWTLOK DS   XL1                 1 IF DBKEY LOCK WAS WAIT'D.
               *
000129         VIBABFL  DS   XL1                 RUN UNIT ABEND FLAG
        00080  VIBABND  EQU  X'80'               RUN UNIT ABENDED
               *
00012A         VIBBLOK# DS   H                   NUMBER OF BUFFERS LOCKED BY THE RU
00012C         VIBERRAC DS   A                   ADDR OF AC56 IN ERROR.
               *
               *
000130         VIBSTAT  DS   0XL100              RUN UNIT DB STATS
000130         VIBDATE  DS   CL8                 DATE OF RUN (MM/DD/YY)
000138         VIBTIME  DS   CL8                 TIME R/U BEGAN OR COMP
000140         VIBDBST  DS   0F                  VARIABLE BLOCK
000140         VIBPAGRD DS   F                   # OF PAGES READ
000144         VIBPAGWR DS   F                   # OF PAGES WRITTEN
000148         VIBPAGRQ DS   F                   # OF PAGES REQUESTED
00014C         VIBCALNO DS   F                   # OF TIMES CALC REC FITS
000150         VIBCALOF DS   F                   # OF TIMES CALC REC OFLOW
000154         VIBVIANO DS   F                   # OF TIMES VIA REC FITS
000158         VIBVIAOF DS   F                   # OF TIMES VIA REC OFLOW
00015C         VIBRECRQ DS   F                   # OF RECORDS REQUESTED
000160         VIBRECCU DS   F                   # OF RECORDS CURR OF R/U
000164         VIBCALLS DS   F                   # OF CALLS TO IDMS
000168         VIBFRAGS DS   F                   # OF FRAGMENTS STORED
00016C         VIBRELO  DS   F                   # OF ROOTS OR RECS RELOCATED
000170         VIBDBEND DS   0F                  END OF DB VARIABLE BLOCK
000170         VIBTLOCK DS   F                   TOTAL # OF LOCKS REQUESTED
000174         VIBSLOCK DS   F                   # OF SELECT LOCKS HELD
000178         VIBULOCK DS   F                   # OF UPDATE LOCKS HELD
        0003C  VIBXC    EQU  *-VIBDBST           LENGTH OF STAT BLOCK FOR RUAL
00017C         VIBRUID  DS   F                   JOURNAL R/U ID
000180         VIBTSKID DS   F                   TASK ID
000184         VIBLOID  DS   CL8                 LOCAL ID
        0005C  VIBACPLN EQU  *-VIBSTAT           LENGTH OF ACCEPT STATS
00018C         VIBIXSTA DS   0F                  START OF EXTENDED STATISTICS.
00018C         VIB#SPLT DS   F                   # OF SR8 SPLITS.
000190         VIB#SPWN DS   F                   # OF SR8 SPAWNS.
000194         VIB#SR8S DS   F                   # OF SR8S STORED.
000198         VIB#SR8D DS   F                   # OF SR8S ERASED.
00019C         VIB#SR7S DS   F                   # OF SR7S STORED.
0001A0         VIB#SR7D DS   F                   # OF SR7S ERASED.
0001A4         VIB#BISR DS   F                   # OF B-TREE SEARCHES.
0001A8         VIB#LEVL DS   F                   # OF B-TREE LEVELS SEARCHED.
0001AC         VIB#ORPH DS   F                   # OF ORPHANS ADOPTED.
0001B0         VIBBISRL DS   H                   # OF LVLS SEARCHED - BEST CASE.
0001B2         VIBBISRH DS   H                   # OF LVLS SEARCHED - WORST CASE.
        00028  VIBACXLN EQU  *-VIBIXSTA          LENGTH TO ACCEPT EXTENDED STATS.
               *
        00074  VIBJSLEN EQU  *-VIBDBST           LENGTH OF STATS IN JRNL
               *
0001B4         VIBSRN   DS   A                   HEAD OF REFERENCED SR51 LIST.
0001B8         VIBORN   DS   A                   HEAD OF REFERENCED OR52 LIST.
0001BC         VIBOLDSS DS   A                   ADDRESS OF PRE 12.0 SUBSCHEMA
               *
               * THE FOLLOWING VARIABLES ARE USED BY THE LOGICAL RECORD FACILITY.
               *
0001C0         VIBLRCA  DS   A                   PTR TO LRC FOR MOST RECENT LR
0001C4         VIBWRKA  DS   A                   PTR TO WRK AREA
```

```
Offset  Value

0001C8          VIBVXPA  DS    A                   PTR TO VXP AND IRP AREA
0001CC                   DS    F                   RESERVED.
0001D0          VIBEVALP DS    4A                  EVAL PARAMETERS
0001E0                   ORG   VIBEVALP
0001D0          VIBEVLP1 DS    F                   RE-DEFINES FOR EACH PARM.
0001D4          VIBEVLP2 DS    F
0001D8          VIBEVLP3 DS    F
0001DC          VIBEVLP4 DS    F
0001E0          VIBFLRC  DS    A                   PTR TO CURRENT FLR80
0001E4          VIBVLRC  DS    A                   PTR TO CURRENT VLR80
0001E8          VIBFLQC  DS    A                   PTR TO CURRENT FLQ81
0001EC          VIBVLQC  DS    A                   PTR TO CURRENT VLQ81
0001F0          VIBFSDC  DS    A                   PTR TO CURRENT FSD82
0001F4          VIBFPHC  DS    A                   PTR TO CURRENT FPH84
0001F8          VIBFPSC  DS    A                   PTR TO CURRENT FPS83
0001FC          VIBVPSC  DS    A                   PTR TO CURRENT VPS83
000200          VIBVXPSZ DS    H                   SIZE OF CURRENT VXP/IRP AREA
000202          VIBCLEVL DS    H                   CURRENT PATH-STATEMENT LEVEL
000204          VIBFLAG  DS    XL1                 FLAG:
        00001   VIBAARSW EQU   X'01'                   ON=>READY HAS BEEN ISSUED
        00002   VIBRLOOP EQU   X'02'                   ON=>IN LOOP DOING AUTOREADY
        00004   VIBGLOOP EQU   X'04'                   ON=>DOING PSEUDO-GET FOR LR
        00008   VIBGDONE EQU   X'08'                   ON=>PSEUDO-GET IS DONE FOR LR
        00010   VIBSRTNX EQU   X'10'                   ON=>DOING FIND NEXT BEFORE
                *                                          FIND CURRENT USING ... .
        00020   VIBINTSW EQU   X'20'                   ON=>VPS-FPS POINTERS INIT'IZED
        00040   VIBTRACI EQU   X'40'               ON IF DBMS INTERNAL TRACING.
        00080   VIBTRACX EQU   X'80'               ON IF EXTERNAL TRACE MODULE LINKED
        000C0   VIBTRAC  EQU   VIBTRACI+VIBTRACX   EITHER.
000205          VIBFLAG1 DS    XL1                 FLAG:
        00080   VIBFIBIN EQU   X'80'                 ON=>SUBSCHEMA was PRE-LOADED
        00040   VIBCONSS EQU   X'40'                 ON=>SUBSCHEMA converted to 12.0
        00020   VIBMULTP EQU   X'20'                 ON=>RU has multiple PAGE GROUPS
        00004   VIBPURGE EQU   X'04'                 ON=>SUBS has #DELETE PURGE=NEWCOPY
        00002   VIBHLDB  EQU   X'02'                 ON=>SUBSCHEMA is an HLDB type
        00001   VIBSEGMT EQU   X'01'                 ON=>DBNAME was a SEGMENT
                *
                VIBAALK  #FLAG X'20'               ON IF NON-INTENT AREA LOCKS SET
000206          VIBAALKI DS    0XL1
        00020   VIBAALKM EQU   X'20'
                VIBNOWT  #FLAG X'10'               ON IF LMGR WAITS ARE DISALLOWED
000206          VIBNOWTI DS    0XL1
        00010   VIBNOWTM EQU   X'10'
                VIBIPRI  #FLAG X'08'               ON=>EVALLRF must iterate prior
000206          VIBIPRII DS    0XL1
        00008   VIBIPRIM EQU   X'08'
000206          VIBFLAG3 DS    XL1                 Yet another flag byte.
                VIBADSO  #FLAG X'01'               CALL TO IDMSINTD IS FROM ADSO
000207          VIBADSOI DS    0XL1
        00001   VIBADSOM EQU   X'01'
                VIBRRAS  #FLAG X'02'               ReReady after Suspend (set by NSRV)
000207          VIBRRASI DS    0XL1
        00002   VIBRRASM EQU   X'02'
                VIBCUPD  #FLAG X'04'               ON IF UPDATE COMMAND.
000207          VIBCUPDI DS    0XL1
        00004   VIBCUPDM EQU   X'04'
                VIBCRET  #FLAG X'08'               ON IF RETRIEVAL COMMAND.
000207          VIBCRETI DS    0XL1
        00008   VIBCRETM EQU   X'08'
                VIBCRFU  #FLAG VIBCUPDM+VIBCRETM   ON IF RETRIEVAL FOR UPDATE COMMAND.
000207          VIBCRFUI DS    0XL1
        0000C   VIBCRFUM EQU   VIBCUPDM+VIBCRETM
                VIBRELP  #FLAG X'10'               ON IF RELATIONAL PROCESSING.
000207          VIBRELPI DS    0XL1
        00010   VIBRELPM EQU   X'10'
                VIBISTR  #FLAG X'20'               ON IF ISOLATION IS TRANSIENT.
```

```
Offset  Value

000207          VIBISTRI DS    0XL1
        00020   VIBISTRM EQU   X'20'
                VIBNORL  #FLAG X'40'               ON IF NO ROW LOCKING.
000207          VIBNORLI DS    0XL1
        00040   VIBNORLM EQU   X'40'
                VIBSUSR  #FLAG X'80'               ON IF SINGLE USER SYSTEM.
000207          VIBSUSRI DS    0XL1
        00080   VIBSUSRM EQU   X'80'
                VIBNOLK  #FLAG VIBNORLM+VIBISTRM+VIBSUSRM ANY ON INDICATES NO LOCKING.
000207          VIBNOLKI DS    0XL1
        000E0   VIBNOLKM EQU   VIBNORLM+VIBISTRM+VIBSUSRM
                VIBNOLV  #FLAG VIBISTRM+VIBSUSRM   ANY ON INDICATES NO VIEW LOCKING.
000207          VIBNOLVI DS    0XL1
        000A0   VIBNOLVM EQU   VIBISTRM+VIBSUSRM
000207          VIBFLAG2 DS    XL1
000208          VIBSAVUB DS    F                   SAVE VSRUBFR ADDRESS DURING GET.
00020C          VIBSAVVN DS    XL1                 SAVE VERBNO DURING GET.
00020D          VIBSAVSC DS    XL1                 SAVE SYNCODE DURING GET.
00020E          VIBSAVMJ DS    CL2                 SAVE MAJOR STATUS CODE DURING GET.
000210          VIBXDEA  DS    A                   A(COPY AREA FOR RETRVL XDE'S).
000214          VIBLMAPA DS    A                   ADDRESS OF LMC/LMR POOL
000218          VIBLMAPS DS    0F                  SIZES OF LMC/LMR
000218          VIBLMCSZ DS    H                   SIZE OF LMC
00021A          VIBLMRSZ DS    H                   SIZE OF LMR
00021C          VIBCSBN  DS    A                   First in VIB-->CSB currency list. B.
000220          VIBCSBC  DS    A                   DBMS saves current CSB addr here.
000224          VIBBIFN  DS    A                   VIB-->LOADED BIF MODULE ADDR (LRF)
000228          VIBUKEYA DS    A                   ADDR OF UKEY FOR LRF.
00022C          VIBVTHAD DS    A                   ADDR OF VIB TRACE TABLE, IF ANY.
                *                                  EQUATES FOR @CLOSE VIBPARM2.
        00080   FREEVIB  EQU   X'80'               FREE VIB.
        00040   FREEALK  EQU   X'40'               FREE AREA LOCKS.
        00020   FREECLK  EQU   X'20'               FREE CURRENCY LOCKS.
        00010   FLSHBUF  EQU   X'10'               FLUSH BUFFER.
        00008   KEEPALK  EQU   X'08'               TRANSFER AREA LOCKS TO KEPT.
        00004   WRITBGIN EQU   X'04'               WRITE BGIN AND AREA CHKPTS.
        00002   WRITAREA EQU   X'02'               WRITE AREA CHKPTS.
                *
000230          VIBWORK  DS    0F                  WORK AREA FOR DBMS (VIBXDS).
        00230   VIBDSLEN EQU   *-VIB                LENGTH OF DSECT
                         END
SYSTEM:         ME: WYM$DB3     STEPNAME: REF03      PROCSTEP: C
Datasets
 Con DDn                           Volume  Member
  P1 SYS     B 0000101.?
  L1 SYS     R                     RIG008
  L2                               MVR2AB
     SYS     2 $DB3.OBJ.H03
     SYS     B 0000102.?

    756K     r     261K would be required for this to be an In-Storage Assembly
     17      d    1429 Library Records Read                 0 Work File Reads
      0      d    1894 Primary Print Records Written        0 Work File Writes
      0      e       0 ADATA Records Written
Assembly     0  10.32.05 Processor Time: 00.00.00.0310
Return C
```

1.165 #VIBXDS

```
                         COPY #VIBXDS
                ***
                ***
                ***  VIBX:    VARIABLE IB50 DEFINITIONS USED BY DBMS
                ***           (THIS MUST BE COPIED RIGHT AFTER #VIBDS
                ***

Offset  Value

                         PRINT NOGEN
000230          VIB      DSECT                           03/29/90 23:06:51   07/27/92
        00038   DYN      EQU   VIBVSEA
000230                   ORG   VIBWORK
000230          VIBX     DS    0F                  START OF DBMS WORK AREA:
                *
                *   PROCEDURE CALL STATUS BLOCK
                *
000230          PRSSNAM  DS    CL8                 SUBSCHEMA NAME
000238          PRPROGM  DS    CL8                 PROGRAM NAME
000240          PRSTAT   DS    0CL4                ERROR STATUS
000240          PRMJERR  DS    CL2                 ERROR STATUS (MAJOR CODE)
000242          PRMNERR  DS    CL2                 ERROR STATUS (MINOR CODE)
000244          PRDBKEY  DS    F                   DBKEY
000248          PRRECN   DS    CL18                RECORD NAME
00025A          PRAREAN  DS    CL18                AREA NAME
00026C          PRLIBN   DS    CL18                LIBRARY NAME
00027E          PRERSET  DS    CL18                ERROR SET
000290          PRERREC  DS    CL18                ERROR RECORD
0002A2          PRERARE  DS    CL18                ERROR AREA
0002B4          PRIDBMS  DS    CL100               IDBMSCOM AREA
000318          PRDIRDBK DS    F                   DIRECT DBKEY
00031C                   DS    F                   RESERVED.
                *
000320          PRENTRY  DS    F                   ENTRY LEVEL
000324          PRDECL   DS    F                   DECLARATIVE CLAUSE
000328          PRVERBC  DS    H                   VERB CODE
00032A          PRVERBN  DS    H                   VERB NUMBER
00032C          PRCANCL  DS    H                   DBA CANCEL OPTION
00032E                   DS    H                   RESERVED.
000330          PRPRUSER DS    F                   USER WORK POINTER
                *
000334          PRREC    DS    CL18                RECORD NAME
000346          PRRAREA  DS    CL18                AREA OF RECORD
000358          PRRECID  DS    H                   RECORD ID
00035A          PRRECL   DS    H                   RECORD LENGTH
00035C          PRCTLL   DS    H                   CONTROL PORTION LENGTH
00035E          PRMAXL   DS    H                   MAXIMUM RECORD LENGTH
000360          PRRDBK   DS    F                   CURRENT DBKEY OF REC-TYPE
000364          PRRLO    DS    F                   LO PAGE NUMBER OF AREA
000368          PRRHI    DS    F                   HI PAGE NUMBER OF AREA
00036C                   ORG   PRREC
000334          PRAAREA  DS    CL18                Area name.
000346                   DS    H                   Filler.
000348          PRALO    DS    F                   PRALO
00034C          PRAHI    DS    F                   PRAHI
000350                   ORG
00036C                   DS    F                   old PRALO
000370                   DS    F                   old PRAHI
                *
                *   WORK PARAMETER LIST
                *
000374          IBPARMS  DS    0A                  WORK PARAMETER LIST
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000374          IBPARM1  DS    A
000378          IBPARM2  DS    A
00037C          IBPARM3  DS    A
000380          IBPARM4  DS    0A
000380          IBPARM40 DS    H
000382          IBPARM42 DS    H
000384          IBPARM5  DS    A
000388          IBPARM6  DS    A
00038C          IBPARM7  DS    A
000390          IBPARM8  DS    A
000394          IBPARM9  DS    A
                         PRINT GEN
                IOP      #DBIO INLINE,VERBS=NO,ERRS=NO  DBIO Parameter list area (IOP)
                ***
                ***
                ***  IOP:     PARAMETER LIST FOR IDMSDBIO
                ***
                ***                                        EXTENDED DBIOWORK 3/9/83
000398          IOP      DS    0F
000398          IOVERBNO DS    F       VERB NUMBER
00039C          IOSTATUS DS    F       STATUS / RETURN CONDITION
0003A0          PAGE     DS    F       PAGE NUMBER
0003A4          CURBME   DS    A       CURRENT BUFFER MANAGEMENT ELEMENT ADDR
0003A8          CURBMA   DS    A       CURRENT BUFFER MEMORY ADDRESS
0003AC          CURLBMA  DS    A       CURRENT PAGE FOOTER MEMORY ADDRESS
0003B0          DMCLA    DS    A       ADDRESS OF DMCL TABLES
0003B4          DMCLNAME DS    CL8     NAME OF DMCL TABLES
0003BC          LOADADDR DS    A       ADDRESS OF LOADED MODULE
0003C0          LOADNAME DS    CL8     NAME OF LOADED MODULE
0003C8          SPAINO   DS    F       NO. PAGES WHICH FITS INTO SPACE MGMT PG
0003CC          PHYRD    DS    CL1     PHYSICAL DISK READ INDICATOR
0003CD          PHYWT    DS    CL1     PHYSICAL DISK WRITE INDICATOR
0003CE          IOPFLG5  DS    CL1     FLAG 5
        00080   IOPRCVY  EQU   X'80'     -  THIS IOP IS RECOVERING
        00040   IOPSUSP  EQU   X'40'     -  THIS IOP IS SUSPENDED
        00020   IOPNOCW  EQU   X'20'     -  NO CHKPT WRITE
        00010   IOPNEWS  EQU   X'10'     -  NEW SEGMENT
        00008   IOPMJNL  EQU   X'08'     -  MULTIPLE JOURNALS
        00004   IOPWARM  EQU   X'04'     -  WARMSTART
        00002   IOPLIMT  EQU   X'02'     -  CHECK LIMITS
        00001   IOPRUAL  EQU   X'01'     -  This IOP is for RHDCRUAL rununit
0003CF          LDDMCSW  DS    CL1     IF 1 THEN RU DYNMCLY LOADED DMCL TABLES
0003D0          IOVIBA   DS    A       ADDRESS OF RUN UNIT'S VIB50
0003D4          PAGELOCK DS    F       PAGE LOCK NEEDED ('SHR ' OR 'EXCL')
0003D8          CURDPR   DS    A       CURRENT PR60  DMCL PAGE RANGE TABLE
0003DC          CURAFM   DS    A       CURRENT FM61  AREA/FILE MEMBERSHIP RECORD
0003E0          CURFCB   DS    A       CURRENT FC59  FILE CONTROL BLOCK
0003E4          CURBCR   DS    A       CURRENT BC53  BUFFER CONTROL RECORD
0003E8          CURJCB   DS    A       CURRENT JCB WE ARE WORKING WITH
0003EC          JOURLEN  DS    F       LENGTH OF JT REC WE'RE WAITING TO WRITE
0003F0          JOURHLEN DS    F       LEN OF HEADER PORTION OF JOURNAL REC
0003F4          DATEADDR DS    A       ADDRESS OF WHERE TO MOVE DATE TO
0003F8          TIMEADDR DS    A       ADDRESS OF WHERE TO MOVE TIME TO
0003FC          JULEADDR DS    A       ADDRESS OF WHERE TO MOVE JULIAN DATE TO
000400          CURRBN   DS    F       CURRENT RELATIVE BLOCK NUMBER TO RD/WR TO
000404          CURBLOK  DS    A       BME THAT IS BLOK'ED AS THE CURRENT BME
000408          VIBBLOK1 DS    A       BUFFER LOCK 1
00040C          VIBBLOK2 DS    A       BUFFER LOCK 2
000410          VIBBLOK3 DS    A       BUFFER LOCK 3
000414          VIBBLOK4 DS    A       BUFFER LOCK 4
000418          IOPDCEA  DS    A       DCE ADDRESS OF OWNING TASK
00041C          IOPCENT  DS    X       CENTRAL VERSION SWITCH
00041D          IOPSENDR DS    X       UPDATE JDRSENDR SW AT JOURNAL FLUSH
00041E          NVSAMSW  DS    X       NATIVE VSAM SWITCH
00041F          IOPFLG6  DS    CL1     FLAG 6
        00080   IOPRDDR  EQU   X'80'     -  This is a Read Driver IOP
```

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        00040  IOPUPJHA EQU   X'40'     -  This IOP updated the JHDA
        00020  IOPMIO   EQU   X'20'     -  This IOP uses multiple I/Os
        00010  IOPPDIR  EQU   X'10'     -  Read in a prior direction
        00008  IOPWRDR  EQU   X'08'     -  This is a Write Driver IOP
000420         NVSTORA  DS    F       ADDR OF NATIVE VSAM STORAGE
000424         NVDBIOWA DS    F       ADDR OF NATIVE VSAM DBIOWORK
000428         IOPGROUP DS    H       AREA PAGE GROUP ID FOR PAGE REQUEST
00042A         PAGEGRUP DS    H       PAGE GROUP
00042C         DBIOWORK DS    300F    DBIO WORK AREA FOR ITS VARIABLES
        0048C  WRTECB   EQU   IOP+X'0F4'      WRITE ECB
        004FC  CRBMEECB EQU   IOP+X'164'      CURRENT BME ECB FIELD
        00510  CURECB   EQU   IOP+X'178'      CURRENT ECB FIELD
        0054C  IOPBYTWK EQU   IOP+X'1B4'      BYTE work field
        005A0  IOPMSKWK EQU   IOP+X'208'      MASK save area
        005A4  IOPLENWK EQU   IOP+X'20C'      Length save area
        005E8  IOPBCRWK EQU   IOP+X'250'      IOPBCRWK FIELD
        005EC  CURBITLA EQU   IOP+X'254'      CURBITLA FIELD
        005F4  IOTSKTCE EQU   IOP+X'25C'      I/O TSK'S TCE
        005F8  RDJFCB1  EQU   IOP+X'260'
        00618  FNDINBUF EQU   IOP+X'280'      FNDINBUF FIELD
        00620  JRDRVIOP EQU   IOP+X'288'      JRNL DRV IOP FIELD
        0063C  IOPBITL  EQU   IOP+X'2A4'      BIT LIST FIELD
        00640  IOPBITS  EQU   IOP+X'2A8'      BIT LIST FIELD - SAVED
        00644  IOPBITW  EQU   IOP+X'2AC'      BIT LIST FIELD - WAITED
        00658  IOPFUNCA EQU   IOP+X'2C0'      ADDRESS OF FUNCTION TABLE
        00660  IOPDATWK EQU   IOP+X'2C8'      DATTIM 16F IDMSDATE WORK AREA
        006EC  IOPBITLN EQU   IOP+X'354'      Bit list length field
        007B8  DBIOWRT  EQU   IOP+X'420'      DBIOWRT FIELD
        007BC  JIOWRT   EQU   IOP+X'424'      JIOWRT FIELD
        007C0  JIOWT    EQU   IOP+X'428'      JIOWT FIELD
        007C4  RDFRCWT  EQU   IOP+X'42C'      RDFRCWT FIELD
        007C8  DBIORD   EQU   IOP+X'430'      DBIORD FIELD
        007CC  IOPBCRAC EQU   IOP+X'434'      IOPBCRAC field
        007D8  IOERRCT  EQU   IOP+X'440'      IOERRCT FIELD
        007E0  IOPBIT2  EQU   IOP+X'448'      IOPBIT2 FIELD
        00820  IOPMSTWT EQU   IOP+X'488'      IOPMSTWT FIELD
        00858  STRTIO   EQU   IOP+X'4C0'      STRTIO FIELD
        0085C  MIO      EQU   IOP+X'4C4'      MIO FIELD
        00860  IOPITVCT EQU   IOP+X'4C8'      Epoch time
        00544  IOPDSLEN EQU   *-IOP  LENGTH OF DSECT
                       PRINT NOGEN
               ***
               ***
               ***           IDMSDBMS WORK AREA
               ***
               ***
0008DC         DBMSWORK DS    800F     IDMSDBMS WORK AREA FOR ITS VARIABLES
        0155C  VIBXDSLN EQU   ((*-VIB)/4)*4       REAL LENGTH OF VIB.
                       PRINT GEN
```

1.166 #VMEDS

```
                         COPY #VMEDS
                ***      MACRO                                  Checkin date→
                ***-------------------------------------------------------------------*
                ***
                ***  VME :    VMCF ELEMENT    (Located in IDMSCMSO)
                ***  SVCODS:  CMS option extension of SVCODS.
                ***  VMCP:    VMCF PARAMETER LIST  (Defined after VME)
                ***  VMCMHDR: VMCF Message Header  (Defined after VME)
                ***
                ***  The VME is used by CMS option to request SVC functions.
                ***-------------------------------------------------------------------*

Offset  Value

000000          VME      DSECT
                *-------------------------------------------------------------------*
                *    The first part must match an LRE for SVC calls.
                *-------------------------------------------------------------------*
000000          VMEID    DS    CL4                "LRE" "CSV"
000004          VMEFUNCN DS    XL1                FUNCTION NUMBER
        00003   VMEFSNRU EQU   3                  FUNC 03  SINON RU
        00004   VMEFSFRU EQU   4                  FUNC 04  SINOF RU
        00005   VMEFPOCV EQU   5                  FUNC 05  INT POSTS CV
000005          VMECVNUM DS    XL1                CENTRAL VERSION NUMBER 0-255
000006          VMESTAT  DS    XL1                STATUS
000007          VMEPAKET DS    XL1                PAKET DATA MOVEMENT TYPE
        00000   VMEPAK0  EQU   0                  0  NO PAKETS
        00001   VMEPAK1  EQU   1                  1  ERUS BUILDS/INT UNPAKS
        00002   VMEPAK2  EQU   2                  2  SVC BY INT BUILDS/UNPAKS
        00003   VMEPAK3  EQU   3                  3  INT BUILDS/UNPAKS
000008          VMEPARMA DS    A                  A(USER PARMLIST)
00000C          VMETSKID DS    F                  SAME DISPLACEMENT AS LRETSKID
000010          VMEECB   DS    F                  NOT USED
000014          VMEESEA  DS    0A                 A(ESE) ON ENTRY TO CSVC
000014          VMEEREA  DS    A                  A(ERE) ON EXIT FROM CSVC FUNC 05
                *                                 VMEESEA AND VMEEREA MUST HAVE
                *                                    THE SAME OFFSET AS LREEREA
000018          VMEUSER  DS    CL8                VIRTUAL MACHINE NAME
000020          VMELOCID DS    0CL8               LOCAL TASK IDENTIFICATION
000020          VMELID1  DS    CL4                LCL ID PART 1  (ALWAYS "CMS ")
000024          VMELID2  DS    XL4                LCL ID PART 2  (USE TIME AS MSG ID)
                *
000028          VMEVMWRK DS    32F                Work area used for anchors.
        000A8   VMEDSLEN EQU   *-VME              LENGTH OF DSECT
                *-------------------------------------------------------------------*
                *    Following Dsect defines fields common to IDMSxSVM and IDMSCMSO
                *    It must follow #SVCODS.  32 words currently allocated.
                *-------------------------------------------------------------------*
0000F8          SVCODS   DSECT
0000F8                   ORG   SVCVMWRK
000068          SVWORK   DS    0F
000068          SVWRBECB DS    F                  ECB posted when ring buffer freed.
00006C          SVWSXBA  DS    A                  Addr SendX receive buffer
                *
000070          SVWRBBEG DS    A                  Addr 1st  Ring Buffer.
000074          SVWRBEND DS    A                  Addr last Ring Buffer.
000078          SVWRBCUR DS    A                  Current   Ring Buffer.
00007C          SVWRBLEN DS    F                  Length of Ring Buffer.
000080          SVWRBCNT DS    F                  Number of Ring Buffers.
                *
000084          SVW10BEG DS    A                  Addr 1st  10.x Buffer.
000088          SVW10END DS    A                  Addr last 10.x Buffer.
```

```
00008C         SVW10CUR DS    A                  Current   10.x Buffer.
000090         SVW10LEN DS    F                  Length of 10.x buffer.
000094         SVW10CNT DS    F                  Number of 10.x Buffers.
               *
000098         SVWUSE   DS    F                  VMCF USE COUNT FOR MULTI-CV'S
00009C         SVWDBUGA DS    A                  Addr 4K debug area.
               *
0000A0         SVWIXBEG DS    A                  Addr 1st  Ring Buffer Index.
0000A4         SVWIXEND DS    A                  Addr last Ring Buffer Index.
0000A8         SVWIXCUR DS    A                  Current   Ring Buffer Index.
0000AC         SVWIXLEN DS    F                  Length of Ring Buffer Index.
0000B0         SVWIXCNT DS    F                  Number of Ring Buffer Indexes.
0000B4         SVWIXHI  DS    A                  Addr past high index.
0000B8         SVWIXCCB DS    A                  Current Claim Ring Buffer Index.
               *
0000BC         SVWDUPM  DS    F                  Dupe Message Count.
               *
0000C0         SVWFILL  DS    (32-(*-SVWORK)/4)F   Generates error if over 32F.
               *
        00080  SVWDSLEN EQU   *-SVWORK           Length should not exceed 32F.
               *-------------------------------------------------------------------*
               *    VMCP: Defines outbound VMCF parm header
               *-------------------------------------------------------------------*
000000         VMCP     DSECT                    VMCF PARAMTER LIST (PART OF #VMEDS)
000000         VMCPFLG1 DS    X                  FLAG1
        00080  VMCPAUTS EQU   X'80'                AUTHORIZE SPECIFIC
        00040  VMCPPRTY EQU   X'40'                PRIORITY MESSAGE
               *
000001         VMCPFLG2 DS    X                  FLAG2
               *
000002         VMCPFUNC DS    H                  FUNCTION NUMBER
        00000  VMCPAUTH EQU   0                    AUTHORIZE
        00001  VMCPUAUT EQU   1                    UNAUTHORIZE
        00002  VMCPSEND EQU   2                    SEND
        00003  VMCPSENR EQU   3                    SEND/RECEIVE
        00004  VMCPSNDX EQU   4                    SENDX
        00005  VMCPRECV EQU   5                    RECEIVE
        00007  VMCPREPL EQU   7                    REPLY
        00008  VMCPQUIE EQU   8                    QUIESCE
        0000A  VMCPIDEN EQU   10                   IDENTIFY
        0000B  VMCPRJCT EQU   11                   REJECT
               *
000004         VMCPMID  DS    F                  MESSAGE ID
000008         VMCPUSER DS    D                  TARGET MACHINE NAME
000010         VMCPVADA DS    F                  ADDRESS 1
000014         VMCPLENA DS    F                  LENGTH  1
000018         VMCPVADB DS    F                  ADDRESS 2
00001C         VMCPLENB DS    F                  LENGTH  2
               *
000020         VMCPUSE  DS    D                  USER DOUBLEWORD
               *VMCPUSE(4)                       'CDMS'
               *VMCPUSE+4                        Flags.
        00080  VMCPBPRQ EQU   X'80'               Buffer Processing Requested.
        00040  VMCPSNOF EQU   X'40'               Set if 12.0 Signoff request.
        00020  VMCPDUPM EQU   X'20'               Set if dupe message encountered.
               *VMCPUSE+5                        Unused.
               *VMCPUSE+6                        Target CV.
               *VMCPUSE+7                        Requested Function.  Same as CSVFUNC.
               *
000028         VMCPMBUF DS    XL4056             VMCF PAKET DATA FOR SENDX (R12.0)
        01000  VMCPEND  EQU   *
        01000  VMCPDSLN EQU   *-VMCP              LENGTH OF DSECT
               *-----------------------------------------------------------------*
               *  VMCMHDR describes inbound VMCF messages.
```

```
                *-----------------------------------------------------------------------*
000000          VMCMHDR  DSECT                     VMCF External interrupt message hdr
000000          VMCMSTAT DS    X                   External interrupt status byte
        00080   VMCMRESP EQU   X'80'               Transaction complete
        00040   VMCMRJCT EQU   X'40'               Message rejected
        00020   VMCMPRTY EQU   X'20'               Priority message
000001          VMCMEFLG DS    X                   Data transfer error code
000002          VMCMFUNC DS    H                   Function code of original request
000004          VMCMMID  DS    F                   Message id - original source request
000008          VMCMUSER DS    D                   Userid of source machine - SEND
                *                                  Userid of sink machine - RESPONSE
000010          VMCMVADA DS    F                   Address of SEND data
000014          VMCMLENA DS    F                   Length of SEND data
000018          VMCMVADB DS    F                   Address of REPLY data
00001C          VMCMLENB DS    F                   Length of SEND data
000020          VMCMUSE  DS    D                   User doubleword
000028          VMCMBUF  DS    0D                  SENDX data buffer
```

1.167 #WKAEDT

```
                        COPY #WKAEDT

Offset  Value

000000          WKAEDT   DSECT                           06/15/90 12:01:34   09/05/91
                ********************************************************************
                *                       WORK AREA FOR RHDCAEDT                     *
                ********************************************************************
000000          WKDBL    DS    0D                  8 BYTES FOR CVB AND CVD
000000          WKWORD   DS    F                   FIRST WORD OF WKDBL
000004          WKBYTE1  DS    C                   5TH BYTE OF WKDBL
000005          WKBYTE2  DS    C                   6TH BYTE OF WKDBL
000006          WKBYTE3  DS    C                   7TH BYTE OF WKDBL
000007          WKBYTE4  DS    C                   8TH BYTE OF WKDBL
000008          WKDBL2   DS    D                   KEEP THESE 3 DOUBLEWORDS IN
000010          WKDBL3   DS    D                   SEQUENTIAL ORDER
000018          WKLORD14 DS    A                   RETURN ADDRESS FOR LOW ORD TRUNC
00001C          WKMSGADR DS    F                   CURRENT POSITION IN MSG BUILD AREA
000020          WKMSGLEN DS    H                   # OF SPACES LEFT IN MSG BUILD AREA
000022          WKERRCUR DS    H                   RESERVED
000024                   DS    0F                  FULLWORD ALIGN FOR SIEMANS SUPPORT
000024          WKRSTXDE DS    CL16                AREA TO BUILD RESULT XDE FOR EVAL
000034          WKSRCXDE DS    CL16                AREA TO BUILD SOURCE XDE FOR EVAL
000044          WKTABLE  DS    F                   ADDR OF S(CON) TABLE FOR EDITING
000048          WKPICEND DS    F                   END OF PICTURE ADDRESS
00004C          WKINTDAT DS    F                   ADDR OF INTERNAL DATA FOR MAPIN
000050          WKMRBA   DS    F                   ADDR OF MRB
000054          WKMAPRAD DS    F                   ADDR OF RHDCMAPR'S WORK AREA
000058          WKRPTEND DS    F                   END OF REPEAT STRING ADDR
00005C          WKDADD1  DS    F                   ADDRESS OF WKDATA1
000060          WKDADD2  DS    F                   ADDRESS OF WKDATA2
000064          WKDADD3  DS    F                   ADDRESS OF WKDATA3
000068          WKEVAL   DS    F                   ADDRESS OF WORK AREA FOR EVAL
00006C          WKPLIST  DS    20F                 PLIST USAGE IN MACRO'S      *R102*
0000BC          WKSAVBEG DS    F                   BEGINNING OF STRIPPED DATA ADDR
0000C0          WKSAVRA  DS    F                   AREA TO SAVE REGS
0000C4          WKSAVRB  DS    F                   AREA TO SAVE REGS
0000C8          WKSAVRC  DS    F                   AREA TO SAVE REGS
0000CC          WKSAVBR  DS    F                   AREA TO SAVE BASE REG VALUE OF R9
0000D0          WKSAVR9  DS    F                   AREA TO SAVE REG 9 SO IT CAN
                *                                  BE USED AS THE SECOND BASE REG
0000D4          WKBRANCH DS    F                   AREA TO BUILD INDEX BRANCH
0000D8          WKTRUNC  DS    H                   # OF CHARACTERS TO TRUNCATE
0000DA          WKFILL   DS    H                   # OF CHARACTERS CAN ADD TO FIELD
                WKSUPM   #FLAG X'01'               MINUS SUPPRESS HAS BEEN SET
0000DC          WKSUPMI  DS    0XL1
        00001   WKSUPMM  EQU   X'01'
                WKSUPP   #FLAG X'02'               PLUS SUPPRESS HAS BEEN SET
0000DC          WKSUPPI  DS    0XL1
        00002   WKSUPPM  EQU   X'02'
                WKSUPD   #FLAG X'04'               DOLLAR SUPPRESS HAS BEEN SET
0000DC          WKSUPDI  DS    0XL1
        00004   WKSUPDM  EQU   X'04'
                WKSUPA   #FLAG X'08'               ASTERISK SUPPRESS HAS BEEN SET
0000DC          WKSUPAI  DS    0XL1
        00008   WKSUPAM  EQU   X'08'
                WKSUPZ   #FLAG X'10'               ZERO SUPPRESS HAS BEEN SET
0000DC          WKSUPZI  DS    0XL1
        00010   WKSUPZM  EQU   X'10'
0000DC          WKSUPFLG DS    C                   SUPPRESS FLAG
                WKCNSUP  #FLAG X'01'               SUPPRESSION CAN STILL BE SET FLAG
0000DD          WKCNSUPI DS    0XL1
```

```
        00001  WKCNSUPM EQU   X'01'
               WKRPEAT  #FLAG X'02'              REPEAT FUNCTION HAS BEEN CODED
0000DD         WKRPEATI DS    0XL1
        00002  WKRPEATM EQU   X'02'
               WKDOLL   #FLAG X'04'              A DOLLAR SIGN CAN BE IN DATA
0000DD         WKDOLLI  DS    0XL1
        00004  WKDOLLM  EQU   X'04'
               WKSIGN   #FLAG X'08'              A SIGN CAN BE IN DATA
0000DD         WKSIGNI  DS    0XL1
        00008  WKSIGNM  EQU   X'08'
               WKDEC    #FLAG X'10'              DECIMAL POINT PROCESSED
0000DD         WKDECI   DS    0XL1
        00010  WKDECM   EQU   X'10'
               WKINSRT  #FLAG X'20'              SIGNIFICANCE FLAG
0000DD         WKINSRTI DS    0XL1
        00020  WKINSRTM EQU   X'20'
               WKMSGN   #FLAG X'40'              NEGATIVE SIGN HAS BEEN REQUESTED
0000DD         WKMSGNI  DS    0XL1
        00040  WKMSGNM  EQU   X'40'
               WKPSGN   #FLAG X'80'              PLUS SIGN HAS BEEN REQUESTED
0000DD         WKPSGNI  DS    0XL1
        00080  WKPSGNM  EQU   X'80'
               WKHVSGN  #FLAG X'C0'              A SIGN HAS BEEN REQUESTED
0000DD         WKHVSGNI DS    0XL1
        000C0  WKHVSGNM EQU   X'C0'
0000DD         WKFLAG2  DS    C                  GENERAL FLAG BYTE
               WKMINUS  #FLAG X'01'              MINUS SIGN MAY BE IN DATA
0000DE         WKMINUSI DS    0XL1
        00001  WKMINUSM EQU   X'01'
               WKPLUS   #FLAG X'02'              A SIGN MAY BE IN DATA
0000DE         WKPLUSI  DS    0XL1
        00002  WKPLUSM  EQU   X'02'
               WKNDSGN  #FLAG X'03'              WKMINUS OR WKPLUS SET FLAG
0000DE         WKNDSGNI DS    0XL1
        00003  WKNDSGNM EQU   X'03'
               WKHVDOL  #FLAG X'04'              DOLLAR SIGN FOUND IN PICTURE
0000DE         WKHVDOLI DS    0XL1
        00004  WKHVDOLM EQU   X'04'
               WKBATCH  #FLAG X'08'              BATCH MAPPING SESSION
0000DE         WKBATCHI DS    0XL1
        00008  WKBATCHM EQU   X'08'
               WKFLOAT  #FLAG X'10'              FLOATING POINT DATA FIELD
0000DE         WKFLOATI DS    0XL1
        00010  WKFLOATM EQU   X'10'
0000DE         WKFLAG3  DS    C
               WKFRST9  #FLAG X'01'              A NINE HAS BEEN PROCESSED ON INPUT
0000DF         WKFRST9I DS    0XL1
        00001  WKFRST9M EQU   X'01'
               WKFRSTB  #FLAG X'02'              A BLANK HAS BEEN PROCESSED ON I/P
0000DF         WKFRSTBI DS    0XL1
        00002  WKFRSTBM EQU   X'02'
               WKNODAT  #FLAG X'04'              DO NOT PROCESS INPUT DATA YES
0000DF         WKNODATI DS    0XL1
        00004  WKNODATM EQU   X'04'
               WKRJUS   #FLAG X'08'              RIGHT JUSTIFY INPUT DATA
0000DF         WKRJUSI  DS    0XL1
        00008  WKRJUSM  EQU   X'08'
               WKPAD    #FLAG X'10'              PAD INPUT DATA
0000DF         WKPADI   DS    0XL1
        00010  WKPADM   EQU   X'10'
               WKNEG    #FLAG X'20'              DATA IS NEGATIVE
0000DF         WKNEGI   DS    0XL1
        00020  WKNEGM   EQU   X'20'
               WKNODEC  #FLAG X'40'              NO DECIMAL POINT IN DATA
0000DF         WKNODECI DS    0XL1
```

```
        00040  WKNODECM EQU   X'40'
0000DF         WKFLAG4  DS    C                   GENERAL FLAG BYTE
               WKENCNF  #FLAG X'01'               ENCODE OR DECODE NOT FOUND IN TBL
0000E0         WKENCNFI DS    0XL1
        00001  WKENCNFM EQU   X'01'
               WKNUM    #FLAG X'02'               SEARCH TABLE FOR NUMERIC VALUE
0000E0         WKNUMI   DS    0XL1
        00002  WKNUMM   EQU   X'02'
               WKDATRN  #FLAG X'04'               A DATA FIELD WAS TRUNCATED
0000E0         WKDATRNI DS    0XL1
        00004  WKDATRNM EQU   X'04'
               WKNULL   #FLAG X'08'               DATA IS ALL NULLS
0000E0         WKNULLI  DS    0XL1
        00008  WKNULLM  EQU   X'08'
               WKOUTED  #FLAG X'10'               PROCESSING FOR OUTPUT
0000E0         WKOUTEDI DS    0XL1
        00010  WKOUTEDM EQU   X'10'
               WKLAST   #FLAG X'20'               PROCESSING LAST ENTRY IN TABLE
0000E0         WKLASTI  DS    0XL1
        00020  WKLASTM  EQU   X'20'
               WKDWDN   #FLAG X'40'               NEGATIVE DOUBLEWORD BINARY
0000E0         WKDWDNI  DS    0XL1
        00040  WKDWDNM  EQU   X'40'
0000E0         WKFLAG5  DS    C                   GENERAL FLAG BYTE
0000E1         WKSVSIGN DS    C                   AREA TO SAVE SIGN
0000E2         WKSUP    DS    C                   SUPPRESSION CHARACTER
0000E3         WKTYP    DS    C                   SAVE TYPE OF DATA IN TABLE
               WKERR1   #FLAG X'01'               1ST ERROR FIELD FOUND FLAG
0000E4         WKERR1I  DS    0XL1
        00001  WKERR1M  EQU   X'01'
               WKERRMF  #FLAG X'02'               1ST ERRORED MNF (PAGING)    86011050
0000E4         WKERRMFI DS    0XL1
        00002  WKERRMFM EQU   X'02'
0000E4         WKFLAG6  DS    C                   FLAGS TO BE RETAINED ACCROSS FLDS
0000E6         EXPLEN   DS    H                   HALFWORD TO KEEP LEN OF EXPONENT
0000E8                  DS    0F                  FULLWORD ALIGN FOR SIEMANS SUPPORT
0000E8         WKVXDE   DS    CL36                VARIABLE XDE AREA FOR EVAL
00010C         WKAVAIL  DS    0CL20               5 FULLWORDS FOR ANY USE
00010C         WKAVL1   DS    F
000110         WKAVL2   DS    F
000114         WKAVL3   DS    F
000118         WKAVL4   DS    F
00011C         WKAVL5   DS    F
000120         WKAEDTED DS    F                   ADDR OF END OF WKAEDT
000124         WKSAVR1  DS    F                   SAVE R1 - FILE MAPS         ECM85288
000128         WKFPLST  DS    0F                  PARM LIST TO VERIFY DATA    ECM85288
000128         WKFLEN   DS    F                   LENGTH OF DATA TO VERIFY    ECM85288
00012C         WKFADDR  DS    F                   ADDR OF DATA TO VERIFY      ECM85288
000130         WKBNUM   DS    CL16                WORKAREA FOR BATCH NUMERICS
000140                  ORG   WKBNUM
000130         WKMSGBLD DS    XL21                AREA TO BUILD ERROR MESSAGE
000146                  DS    0H                                                DKJ
000146         WKDOMCEL DS    H                   LENGTH OF VLA ON #FMAPOUT     DKJ
000148         WKAMPFX  DS    CL2                 MSG PREFIX FOR #WTL         *R102*
00014A         WKEXLNS  DS    H                   EXT DATA LEN FOR DLMTR    GIK061590
00014C                  DS    H                   AVAILABLE                 GIK061590
               *-
000150         WCSTBALP DS    A                   A(ALPHABETIC TABLE)           DDK
000154         WCSTBVAL DS    A                   A(VALID CHARACTERS TABLE)     DDK
000158         WCSTBTOU DS    A                   A(TO UPPER TABLE)             DDK
               *-
00015C         WCSDBCS  DS    0H                                                DDK
00015C         WCSSOL   DS    H                   SHIFTOUT LENGTH               BZJ
00015E         WCSSIL   DS    H                   SHIFTIN  LENGTH               BZJ
000160         WCSCHRL  DS    H                   LENGTH OF ONE DBCS CHARACTER  BZJ
000162         WCSSO    DS    XL3                 SHIFTOUT SEQUENCE             BZJ
```

```
000165         WCSSI    DS    XL3                 SHIFTIN  SEQUENCE             BZJ
000168         WCSEBCD  DS    XL3                 DBCS EBCDIC PREFIX            BZJ
        0000F  WCSDBCSL EQU   *-WCSDBCS                                         DDK
               *-
        0016B  WKAEDTL  EQU   *-WKAEDT
```

1.168 #WKMAPR

```
                        #WKMAPR

Offset  Value

000000          WKD      DSECT                          02/06/90 17:47:26   09/04/90
000000          SYSPLIST DS    16F                 PARM LIST FOR CALLS         *R102*
000040          WKMSGSAV DS    XL(L'WKMSGBLD)      SAVE AREA FOR AEDT WTL PARM2
000058          WKSVR2   DS    A                   SAVE AREA FOR R2
00005C          WKSVR7   DS    A                   SAVE AREA FOR R7
000060          WKSAVRN  DS    2A                  GENERAL SAVE AREA FOR 2 REGS86061068
000068          WKSVR14  DS    A                   SAVE AREA FOR R14
00006C          WKMCHA   DS    A                   PLACE TO SAVE ADDRESS OF MAP HEADER
000070          WKMCDA   DS    A                   PLACE TO SAVE ADDRESS OF MAP DEVICE
000074          WKFIBA   DS    A                   ADDRESS OF SUBSCHEMA (IB50 RECORD)
000078          WKRECA   DS    A                   ADDRESS OF DATA RECORD
00007C          WKRSPADR DS    A                   ADDRESS TO MOVE RESPONSE TO
000080          WKMSGST  DS    A                   ADDRESS OF START OF MESSAGE
000084          WKMSGMCE DS    A                   ADDRESS OF MESSAGE MCE
000088          WKMCHEND DS    A                   LENGHT OF MAP LOAD MODULE
00008C          WKOUTEND DS    0A                  END OF OUTPUT BUFFER OR
00008C          WKINPEND DS    A                   END OF INPUT BUFFER
000090          WKAEDTAD DS    A                   ADDRESS OF RHDCAEDT'S WORK AREA
000094          WKPLISTA DS    A                   ADDRESS OF USER'S PARM LIST (REL2)
000098          WKPTEA   DS    A                   ADDRESS OF CURRENT PTE
00009C          WKMORTN  DS    A                   RETURN ADDR FROM MAPOUT ROUTINE
0000A0          WKRC1    DS    XL2                 ROW AND COLUMN OF SCREEN ADDRESS
0000A2          WKRC2    DS    XL2                 ROW AND COLUMN OF SCREEN ADDRESS - 1
0000A4          WKRC3    DS    XL2                 ROW AND COLUMN OF END ADDRESS -    1
0000A6          WKMRELEN DS    H                   LENGTH OF MRE
0000A8          WKCURFLD DS    H                   FIELD INDEX OF CURSOR
0000AA          WKDLSBAI DS    0XL1
        00001   WKDLSBAM EQU   X'01'
0000AA          WKTAPRI  DS    0XL1
        00002   WKTAPRM  EQU   X'02'
0000AA          WKTAPR1I DS    0XL1
        00004   WKTAPR1M EQU   X'04'
0000AA          WKR2I    DS    0XL1
        00008   WKR2M    EQU   X'08'
0000AA          WKEXTNDI DS    0XL1
        00010   WKEXTNDM EQU   X'10'
0000AA          WKANYWI  DS    0XL1
        00020   WKANYWM  EQU   X'20'
0000AA          WKTREQI  DS    0XL1
        00040   WKTREQM  EQU   X'40'
0000AA          WKODNI   DS    0XL1
        00080   WKODNM   EQU   X'80'
0000AA          WKFLAGM  DS    X                   FLAG 1
0000AB          WKPAGI   DS    0XL1
        00001   WKPAGM   EQU   X'01'
0000AB          WKDEVI   DS    0XL1
        00002   WKDEVM   EQU   X'02'
0000AB          WKCAEDTI DS    0XL1
        00004   WKCAEDTM EQU   X'04'
0000AB          WKDBCSI  DS    0XL1
        00010   WKDBCSM  EQU   X'10'
0000AB          WKSDBCSI DS    0XL1
        00020   WKSDBCSM EQU   X'20'
0000AB          WKODATRI DS    0XL1
        00040   WKODATRM EQU   X'40'
0000AB          WKFLAGP  DS    X                   FLAG 2
0000AC          WKDCLASS DS    X                   DEVICE-CLASS OF CURRENT DEVICE
        00000   DC1240   EQU  0
```

```
        00004  DC1280   EQU  4
        00008  DC2480   EQU  8
        0000C  DC3280   EQU  12
        00010  DC4380   EQU  16
        00014  DCLINE   EQU  20
        00018  DC27132  EQU  24
        00007  WKDEV#   EQU  (DC27132/4)+1        NUMBER OF DEVICES SUPPORTED
0000AD         WKWTLMAP DS    X,XL8               MAP NAME FOR WTL MESSAGES
               * THE FOLLOWING 3 FIELDS ARE USED FOR MAPIN/OUTIN REQUESTS ONLY
0000B8         WKNBUF   DS    A                   ADDRESS OF NEXT INPUT BUFFER
0000BC         WKFMCE   DS    A                   ADDRESS OF FIRST MAP CONTROL ELEMENT
0000C0         WKNEXFLD DS    A                   ADDRESS OF NEXT FIELD ON INPUT SCR
               * THE FOLLOWING 4 FIELDS ARE THE PARM LIST FOR RHDCTAPR
0000C4         WKTPDSA  DS    A                   ADDRESS OF DATASTREAM
0000C8         WKTPMRBA DS    A                   ADDRESS OF MRB OR DATASTREAM LENGTH
0000CC         WKTPPTEA DS    A                   ADDRESS OF PTE
0000D0         WKPAGIND DS    A                   0 IF NOT PAGING, 1 IF PAGING
        00035  WKDL     EQU   (*-WKD+3)/4         NON-BLAST WORK AREA LENGTH
0000D4         WKDBLAST DS    0F                                          *R102*
               * THE FOLLOWING FIELDS ARE USED ONLY BY 'BLAST' TYPE MAPOUTS
0000D4                  ORG   WKNBUF              REUSE INPUT-ONLY FIELDS FOR BLAST
0000B8         WKLTEA   DS    A                   CURRENT LTE ADDRESS
0000BC         WKDEVBUF DS    (WKDEV#*2)A         WRITE LEN/ADDR FOR EACH DEVICE
0000F4         WKSRB    DS    XL(SRBDSLEN)        SEND MESSAGE REQUEST BLOCK
        00044  WKDL1    EQU   (*-WKD+3)/4         WORK AREA LENGTH FOR 'BLAST' RQSTS
000110         WKVAR    DS    0F                  BEGIN VARIABLE WORK AREA
               ***********************************************************************
               *   RHDCPAGR VARIABLE STORAGE FOR MAP PAGING                          *
               *        THE FOLLOWING FIELDS CONTAIN THE VARIABLE STORAGE            *
               *        USED BY MAP PAGING RUNTIME MODULES.
               ***********************************************************************
000110                  ORG   WKVAR
000110         WKPAGRID DS    CL6                 EYE CATCHER =C'WKPAGR'
000116         WKDTLOF  DS    H                   OFFSET TO CURR DETAIL ON CURR PAGE
000118         WKDTLSZ  DS    H                   SIZE OF ONE DETAIL NODE
00011A         WKCURPS  DS    XL2                 3270 CURSOR POSITION
00011C         WKPGSIZE DS    F                   SIZE OF ONE PAGE
000120         WKCURPG  DS    F                   CURRENT PAGE NUMBER
000124         WKREQPG  DS    F                   REQUESTED PAGE NUMBER
000128         WKSAV2   DS    F                   SAVE R2
00012C         WKSAV3   DS    F                   SAVE R3
000130         WKSAV4   DS    F                   SAVE R4
000134         WKSAV5   DS    F                   SAVE R5
000138         WKCURDT  DS    H                   CURRENT DETAIL WITHIN PAGE
00013A         WKUPDTI  DS    0XL1
        00001  WKUPDTM  EQU   X'01'
00013A         WKPGRQI  DS    0XL1
        00002  WKPGRQM  EQU   X'02'
00013A         WKUPPI   DS    0XL1
        00004  WKUPPM   EQU   X'04'
00013A         WKUPLI   DS    0XL1
        00008  WKUPLM   EQU   X'08'
00013A         WKNEWPI  DS    0XL1
        00010  WKNEWPM  EQU   X'10'
00013A         WKPGONEI DS    0XL1
        00020  WKPGONEM EQU   X'20'
00013A         WKFTRSSI DS    0XL1
        00040  WKFTRSSM EQU   X'40'
00013A         WKMNFUPI DS    0XL1
        00080  WKMNFUPM EQU   X'80'
00013A         WKFLAG1  DS    X                   WORK FLAG 1
00013B         WKNOHDRI DS    0XL1
        00001  WKNOHDRM EQU   X'01'
00013B         WKGPUPDI DS    0XL1
        00002  WKGPUPDM EQU   X'02'
00013B         WKMHDRI  DS    0XL1
```

```
        00004  WKMHDRM  EQU   X'04'
00013B         WKMFTRI  DS    0XL1
        00008  WKMFTRM  EQU   X'08'
00013B         WKMDTLI  DS    0XL1
        00010  WKMDTLM  EQU   X'10'
00013B         WKPGDELI DS    0XL1
        00020  WKPGDELM EQU   X'20'
00013B         WKNOPUTI DS    0XL1
        00040  WKNOPUTM EQU   X'40'
00013B                  DS    X                   WORK FLAG 2
00013C         WKPGHDRI DS    0XL1
        00001  WKPGHDRM EQU   X'01'
00013C         WKPGFTRI DS    0XL1
        00002  WKPGFTRM EQU   X'02'
00013C         WKDTLMI  DS    0XL1
        00004  WKDTLMM  EQU   X'04'
00013C         WKPRDYI  DS    0XL1
        00008  WKPRDYM  EQU   X'08'
00013C         WKUMPOI  DS    0XL1
        00010  WKUMPOM  EQU   X'10'
00013C         WKGET#1I DS    0XL1
        00020  WKGET#1M EQU   X'20'
00013C         WK1STBI  DS    0XL1
        00080  WK1STBM  EQU   X'80'
00013C         WKPFLAG4 DS    X
00013D         WKAID    DS    X                   3270 AID BYTE FROM READ
00013E         WKPGFWD  DS    X                   3270 AID BYTE FOR PAGE FORWARD
00013F         WKPGBWD  DS    X                   3270 AID BYTE FOR PAGE BACKWARD
000140         WKTRBPLS DS    5F                  TRB DSECT
000154         WKMCHXPG DS    A                   ADDRESS OF MCH PAGE EXT
000158         WKMPEA   DS    A                   ADDRESS OF MPE EXTENSION
00015C         WKPMRBA  DS    A                   ADDRESS OF MRB FOR PAGING
000160         WKPBLLEN DS    H                   LEN OF PBLK
000162         WKPRVNOF DS    H                   OFFSET TO PREVIOUS NODE
000164         WKNBRND  DS    H                   NUMBER OF NODES ON A PAGE
000168         WKPGTBL  DS    F                   LENGTH OF PGCTBL
00016C         WKSAVR2  DS    F                   SAVE R2
000170         WKSAV6   DS    F                   SAVE R6
000174         WKSRID   DS    F                   SCRID FOR PAGR'S CTRL RECORD
000178         WKLENGTH DS    F                   LENGTH OF PAGR'S CTRL RECORD
00017C         WKRC     DS    H                   STORE RETURN CODE HERE
00017E                  DS    H
000180         WKNODCNT DS    H                   DETAIL NODE COUNTER
000184         WKR0R14  DS    15F                 SAVE REGS FOR RHDCMPGP CALLS
0001C0                  ORG   WKR0R14
000184         WKR0     DS    F
000188         WKR1     DS    F
00018C         WKR2     DS    F
000190         WKR3     DS    F
000194         WKR4     DS    F
000198         WKR5     DS    F
00019C         WKR6     DS    F
0001A0         WKR7     DS    F
0001A4         WKR8     DS    F
0001A8         WKR9     DS    F
0001AC         WKR10    DS    F
0001B0         WKR11    DS    F
0001B4         WKR12    DS    F
0001B8         WKR13    DS    F
0001BC         WKR14    DS    F
0001C0                  ORG
0001C0         WKCALL   DS    A                   =A(CALLROUT) IN RHDCMPGP
0001C4         WKPARM1  DS    A                   PARAMETERS FOR RHDCMPGP
0001C8         WKPARM2  DS    A
0001CC         WKPARM3  DS    A
0001D0         WKPARM4  DS    A
```

```
0001D4         WKPARM5  DS    A
0001D8         WKPARM6  DS    A
0001DC         WKPARM7  DS    A
               *                                REGISTER SAVES DURING RHDCMPGP
0001E0         WKGPR2   DS    F
0001E4         WKGPR3   DS    F
0001E8         WKGPR5   DS    F
0001EC         WKGPR7   DS    F
0001F0         WKGPR12  DS    F
0001F4         WKPBLKAD DS    F                 ADDR OF CURRENT PBLK
0001F8         WKMPSADS DS    A                 ADDR OF #MPSRADS
0001FC         WKSAV8   DS    A                 SAVE CONTENTS R8
000200         WKMRBLEN DS    A                 LENGTH OF MRB
000204                  DS    A                 USED BY #GETSCR TO RETURN LEN MRB
000208         WKPGMAX  DS    A                 MAX NBR OF SCREEN PAGES ALLOWED
00020C         WKPGNUM  DS    A                 MAX NBR OF SCREEN PAGES BUILT SO FAR
000210         WKSCRNPG DS    A                 CURR PAGE FOR TERMINAL SESSION
000214         WKMINPG  DS    A                 CURR PAGE FOR MAPIN DETAILS
000218         WKMOUTPG DS    A                 CURR PAGE FOR MAPOUT DETAILS
00021C         WKST15   DS    A                 TEMP SAVE OF R15 FOR #SNAPS
000220         WKSAV7   DS    A                 SAVE R7 - PGCTL
000224         WKRETURN DS    A                 SAVE RETURN ADDR MOVEING ROUTINE
000228         WKFMRE   DS    A                 ADDR 1ST MRE OF GROUP
00022C         WKNFLDS  DS    H                 NBR OF FIELDS IN A DTL/HDR/FTR GROUP
00022E         WKFOOTRW DS    H                 ROW FROM 1ST FOOTER MCE
000230         WKST1    DS    A                 TEMP SAVE OF R1 FOR #SNAPS
000234         WKST14   DS    A                 TEMP SAVE OF R14 FOR #SNAPS
000238                  ORG   WKST1             NODE BUILD USE OF 8 BYTES
000230         WKATTR   DS    0CL12             FOR MOVEATTR TO STUFF          BZJ
000230         WKSFC    DS    X                 SFC  OR  SFEC
000231         WKATT1   DS    X                 NON-EXTENDED ATTRIBUTE
000232                  ORG   WKATT1
000231         WK#PRS   DS    X                 X'03' FOR 3 TYPE/ATTR PAIRS
000232         WKATR1   DS    X                 X'C0'
000233         WKATT1E  DS    X                 EXTENDED ATTRIBUTE #1
000234         WKATR2   DS    X                 X'41'
000235         WKATT2E  DS    X                 EXTENDED ATTRIBUTE #2
000236         WKATR3   DS    X                 X'42'
000237         WKATT3E  DS    X                 EXTENDED ATTRIBUTE #3
000238         WKATR4   DS    X                 X'43'                          BZJ
000239         WKATT4E  DS    X                 EXTENDED ATTRIBUTE #4          BZJ
00023A         WKATR5   DS    X                 X'C2'                          BZJ
00023B         WKATT5E  DS    X                 EXTENDED ATTRIBUTE #5          BZJ
00023C                  ORG
00023C         WKLIST   DS    10F               TEMP PLIST FOR #SNAP
000264                  ORG   WKLIST            10 FULLWORDS -
00023C         WKAA     DS    F                  THAT SERVE THE NEEDY
000240         WKAB     DS    F
000244         WKAC     DS    F
000248         WKAD     DS    F
00024C         WKAE     DS    F
000250         WKAF     DS    F
000254         WKAG     DS    F
000258         WKAH     DS    F
00025C         WKAI     DS    F
000260         WKAJ     DS    F
000264                  ORG   WKAE                                         *PAMNF
00024C         WKSPA1A  DS    XL4               SAVED MRE ATTRIBUTE SET    *PAMNF
000250         WKSPA2A  DS    XL4               SAME - EXTENDED            *PAMNF
000254         WKSPA3A  DS    XL4               SAME - EXTENDED            *PAMNF
000258         WKMCEA   DS    A                 SAVED CURRENT A(MCE)       *PAMNF
00025C         WKMCE1ST DS    A                 SAVED 1ST A(MCE)           *PAMNF
000260         WKGPR4   DS    A                 SAVED R4                   *PAMNF
000264                  ORG
000264         WKSLEN1  DS    H                 TEMP PLIST HALFWORD LENGTH
000266         WKSLEN2  DS    H                 TEMP PLIST HALFWORD LENGTH
```

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000268         WKMADD2  DS    F                   PAGR'S COPY OF AEDT'S WKDADD2
00026C         WKMNH    DS    F                   SAVE ADDR OF MNH
000270         WKFMNF   DS    F                   SAVE ADDR OF 1ST MNF
000274         WKSEQND  DS    F                   NODE NBR FOR MAPIN BY SEQ NBR
000278         WKMAPNM  DS    CL8                 MAP NAME FOR THIS PAGING SESS
000280                  DS    0D                  FULLWORD ALIGN FOR WKFDATA
000280         WKPGDBL  DS    D                   DBL WORD FOR CVD
000288         WKCVDNBR DS    F                   $PAGE DATA TO CONVERT
00028C         WKCVD2   DS    F                   SAVE R2 FOR CVD ROUTINE
000290         WKLAPN   DS    F                   LOWEST AVAIL PAGE NBR VIA NOBACKPG
000294         WKDTLCPG DS    F                   MAPOUT DTL CURRENT CURRENT PG NBR
000298         WKDTLCCO DS    H                   MAPOUT DTL CURRENT CURR NODE OFFST
00029A                  DS    H
00029C         WKSAVR3  DS    F                   SAVE R2 FOR MOUT1060
0002A0         WKSAVRG2 DS    F                   SAVE R3 FOR MOUT1060
0002A4         WKNBPG1  DS    F                   BEGIN PG TO DELETE NOBACKPAGE
0002A8         WKNBPG2  DS    F                   END PG TO DELETE NOBACKPAGE
0002AC         WKTOTPGS DS    F                   TOTAL NBR OF PAGES CURR AVAIL
0002B0         WKNBLOOP DS    F                   NBR PGS TO #DELSCR FOR NOBACKPG
0002B4         WKBASE   DS    F                   SAVE RHDCPAGR BASE IF CALL ROWCOL
        002B8  WKMLEN   EQU   *-WKD               OVERALL LENGTH OF WKMAPR
```

1.169 #XDEDS

```
                        COPY #XDEDS

Offset  Value

000000          XDE      DSECT                           10:21:18 09/20/84
                * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
                *           #XDEDS - EXPRESSION DESCRIPTION ELEMENT                   *
                * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
                *   XDE'S ARE USED BY "RHDCEVAL" TO EVALUATE EXPRESSIONS. SUCH        *
                *  EXPRESSIONS TAKE THE FORM OF (LINKED) LISTS OF XDE'S, EACH OF WHICH*
                *  REPRESENTS AN OPERAND OR OPERATOR (OPERATOR XDE'S ALSO DESCRIBE THE*
                *  RESULT OPERAND OF THEIR RESPECTIVE OPERATIONS). THESE XDE'S ARE    *
                *  ARRANGED IN POLISH POSTFIX NOTATION FOR INTERPRETATION BY RHDCEVAL.*
                *                                                                    *
                *  THE END OF AN EXPRESSION IS IDENTIFIED BY A '-1' IN THE XDENEXT    *
                *  FIELD.                                                            *
                *                                                                    *
                *  VXDE DSECT MODIFIED FOR USE WITH 31 BIT ADDRESSING - HXR 04/29/83  *
                *  XDEFLAG XDEADDR ADDED - ADDR 'DATA TYPE' FOR IDMSDC - CRM 09/27/83 *
                *  XDEDATLN REDEFINED FOR SPEC USE IN MULTI-BIT BINARY - CRM 09/29/83 *
                *  XDEOPDVR DIVIDE WITH REMAINDER OPERATION ADDED      - CRM 10/20/83 *
                *  XDE/VXDE EXTENDED FOR USER-FUNCTION OPERATION       - CRM 02/22/83 *
                *  XDE      MODIFIED FOR EDIT DATATYPE DEFINITION      - DDW 04/20/84 *
                * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
000000          XDENEXT  DS    F             NEXT ENTRY IN (POLISH) EXPRESSION
                         COPY  #AXDEDS                                   *LCB84256*
                * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
                *          #AXDEDS - EXPRESSION DESCRIPTION ELEMENT                  *
                * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
                *   THIS COPY MEMBER IS INCLUDED IN #XDEDS.  IF ANY CHANGES ARE       *
                *  MADE HERE, PLEASE INSURE THAT ALL MODULES CONTAINING #XDEDS ARE    *
                *  REASSEMBLED.                                                      *
                *                                                                    *
                *  THIS MACRO ALLOWS THE ADS MODULES TO MORE EASILY REFERENCE XDE     *
                *  FIELDS WHEN AN XDE IS BEING BUILT WITHOUT THE XDENEXT FIELD.       *
                * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
000004          XDEDATAD DS    0F            (REAL) DATA ADDRESS (OPERAND OR RESULT)
000004          XDEBRNXT DS    0F            ** BRANCH OPERATOR XDES ONLY ***MCM86099*
                *                            IF RELOCATABLE XDE MODE TO BE USED IN
                *                            EVAL/ADSOXDES THE OFFSET
                *                            OF BRANCH TARGET XDE
                *                            FROM 1ST XDE ELSE REAL ADDRESS OF TARGET
000004          XDEDTABO DS    H             (LOGICAL)DATA ADDRESS - ADCON TABLE OFFSET
000006          XDEDDSPL DS    H             (LOGICAL) DATA ADDRESS - DISPLACEMENT
                *   NOTE THAT REAL ADDRESSES ARE DISTINGUISHED FROM LOGICAL ADDRESSES
                *   (TABLE OFFSET/DISPLACEMENT PAIRS) BY THE X'80' BIT OF THE HIGH
                *   ORDER ADDRESS BYTE - ON => REAL, OFF => LOGICAL.
        00080   XDETGT   EQU   X'80'      High order bit of DYN used as temporary
                *                          flag during executable code generation
                *                          with following meaning :
                *                           ON  -> This XDE is a target of a
                *                           OFF -> This XDE is a NOT a BRC2 t
                *                        This bit will ALWAYS be OFF in ALL XDEs
                *                          in a final FDB.
000008          XDEDYN   DS    H             OFFSET INTO DYNAMIC AREA OF VXDE
00000A          XDEDATLN DS    0H            OPERAND LENGTH (IN BYTES)              1*
00000A          XDEBROFF DS    0H            ** BRANCH OPERATOR XDES ONLY ****MCM87091*
                *                            OFFSET IN XDES OF BRANCH TARGET FROM
                *                            BRANCH OPERATOR.  ONLY USED WHEN CONTIG.
                *                            XDE MODE USED IN EVAL.
                *                            ALWAYS USED IN ADSOXDES.
00000A          XDEBITDP DS    C             BIT DISPLACEMENT (FOR MB-BIN)
```

```
00000B         XDEBITLN DS    C             LEN (NBR OF BITS)(FOR MB-BIN)
00000C                  ORG   XDEDATLN                                  *DDW84108*
00000A         XDEEPWR  DS    C             POWER 10-1       (FOR EDIT)   *DDW84108*
00000B         XDEEPLN  DS   0C             PICTURE LENGTH   (FOR EDIT)   *DDW84108*
00000B         XDEESGN  DS    C             SIGN CHARACTER   (FOR EDIT)   *DDW84108*
00000C         XDENODEC DS    C             NUMBER OF DECIMAL PLACES
00000D         XDEDATYP DS    C             OPERAND DATA TYPE
               *   XDE DATA TYPE EQUATES :
        00000  XDEDGRP  EQU   0             GROUP
        00001  XDEDEBCD EQU   1             EBCDIC
        00002  XDEDHBIN EQU   2             BINARY HALFWORD
        00003  XDEDFBIN EQU   3             BINARY FULLWORD
        00004  XDEDSPAK EQU   4             PACKED DECIMAL (SIGNED)
        00005  XDEDUPAK EQU   5             PACKED DECIMAL (UNSIGNED)
        00006  XDEDSZON EQU   6             ZONED DECIMAL (SIGNED)
        00007  XDEDUZON EQU   7             ZONED DECIMAL (UNSIGNED)
        00008  XDEDFLTD EQU   8             DISPLAY FLOATING POINT
        00009  XDEDSFLT EQU   9             INTERNAL FLOAT (SHORT)
        0000A  XDEDLFLT EQU   10            INTERNAL FLOAT (LONG)
        0000B  XDEDBIT  EQU   11            BIT
        0000C  XDEDDBIN EQU   12            BINARY DOUBLEWORD
        0000D  XDEDFC   EQU   13            FIGURATIVE CONSTANT
        0000E  XDEDMBIN EQU   14            MULTI-BIT BINARY (PL1 STYLE)
        0000F  XDEDVCHR EQU   15            VARYING CHARACTER
        00010  XDEDEDIT EQU   16            EDIT INFO                     *DDW84074*
        00011  XDEDEDP  EQU   17            EDIT PICTURE                  *DDW84074*
        00012  XDEDGEXT EQU   18            EXTERNAL GRAPHICS SO......SI         BZJ
        00013  XDEDGINT EQU   19            INTERNAL GRAPHICS                    BZJ
               * FOLLOWING EQU SHOULD ALWAYS REFLECT THE HIGHEST DATA TYPE*CRM83270*
               * !!!!!!!!!!!!!!!   PLEASE  NOTE : !!!!!!!!!!!!!!!!!!!!!!**MCM86143*
               * !!!! ANY CHANGE TO THE FOLLOWING EQUATE REQUIRES CHGS !!! *MCM86143*
               * !!!! TO RHDCEVAL AND ADSOXDES.  CONTACT MCM.              *MCM86143*
               * !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!**MCM86143*
        00013  XDEDMXTP EQU   XDEDGINT      MAX DATA TYPE VALUE                  BZJ
               *   NOTE THAT RHDCEVAL CURRENTLY ONLY SUPPORTS BIT FIELDS IN LOGICAL
               *  OPERATIONS.
00000E         XDEOPTYP DS   0C             OPERATION/OPERAND CODE        *DDW84108*
00000E         XDEEPAD  DS    C             PAD CHARACTER       (FOR EDIT)*DDW84108*
               *   XDE OPERATOR TYPE EQUATES :
        00000  XDEOOPND EQU   0             OPERAND (NOT OPERATOR)
        00005  XDEOPNOT EQU   5             LOGICAL "NOT"
        00006  XDEOPOR  EQU   6             LOGICAL "OR"
        00007  XDEOPAND EQU   7             LOGICAL "AND"
        00009  XDEOPCNJ EQU   9             CLASS OF LOGICAL CONJUNCTIONS
        0000A  XDEOPEQ  EQU   10            "EQ" (RELATIONAL OPERATION)
        0000B  XDEOPNE  EQU   11            "NE"
        0000C  XDEOPLT  EQU   12            "LT"
        0000D  XDEOPLE  EQU   13            "LE"
        0000E  XDEOPGT  EQU   14            "GT"
        0000F  XDEOPGE  EQU   15            "GE"
        00010  XDEOMTCH EQU   16            "MATCHES"
        00011  XDEOPCON EQU   17            "CONTAINS"
        00012  XDEOPCMP EQU   18            "COMPARE"; 8:EQUAL, 4:<, 2:>   SSG120485
        00013  XDEOPREL EQU   19            CLASS OF RELATIONAL OPERATORS
        00014  XDEOUNMN EQU   20            UNARY "-"
        00015  XDEOADDN EQU   21            "+"
        00016  XDEOBNMN EQU   22            BINARY "-"
        00017  XDEOMULT EQU   23            "*"
        00018  XDEOPDIV EQU   24            "/"
        00019  XDEOPDVR EQU   25            "/" WITH REMAINDER
        0001D  XDEOPART EQU   29            CLASS OF ARITHMETIC OPERATORS
               *   NOTE : Test Under Mask used as pseudo-operator to
               *          process "boolean variables", e.g. Map Status tests.
               *          This operator will never appear directly
               *          in an XDE list.
        00023  XDEOPTM  EQU   35            "TEST UNDER MASK"               *MCM87104*
```

```
        00028  XDEOASGN EQU   40            "ASSIGNMENT"
               *   NOTE : MULTIPLE ASSIGNMENT NO LONGER SUPPORTED           *MCM87104*
               *          Operator code available for reuse.                *MCM87104*
               *DEOASGM EQU   41            "ASSIGNMENT",MULTIPLE TARGETS   *MCM87104*
        0002A  XDEOASGR EQU   42            REVERSE ASSIGNMENT            *CRM84047*
        0002D  XDEOINDX EQU   45            ARRAY "INDEX"
               *                                                            *MCM87104*
               *   NOTE : DATE CONVERSIONS NO LONGER SUPPORTED.             *MCM87104*
               *          THESE CODES ARE AVAILABLE FOR REUSE.              *MCM87104*
               *                                                            *MCM87104*
               *DEODTJA EQU   50            JULIAN DATE TO GREGORIAN (AMER. *MCM87104*
               *DEODTJG EQU   51            JULIAN DATE TO GREGORIAN (WORLD *MCM87104*
               *DEODTAJ EQU   52            GREGORIAN DATE (AMER. - MMDDYY) *MCM87104*
               *DEODTGJ EQU   53            GREGORIAN DATE (WORLD - DDMMYY) *MCM87104*
               *DEODTES EQU   55            CLASS OF DATE CONVERSIONS       *MCM87104*
               *   NOTE : CONCATENATE NO LONGER SUPPORTED.                  *MCM87104*
               *          Operator code available for reuse.                *MCM87104*
               *DEOCONC EQU   60            "CONCATENATION"                 *MCM87104*
               *   NOTE : INDA ONLY USED BY DEBUGGER.                       *MCM87104*
               *          Not supported by ADSOXDES.                        *MCM87104*
        00041  XDEOINDA EQU   65            INDIRECT ADDRESSING
               ** Following is a "pseudo-opcode" used only in generation
               ** of machine code for True/False DXBs.  This opcode will NEVER
               ** appear in an XDE list.  It is used only for convenience
               ** so that generating code for T/F DXBs easily fits into the
               ** standard methodolgy of code generation.
        0004E  XDEODXTF EQU   78            True/False DXB                 *MCM88019*
        0004F  XDEOBRC2 EQU   79            BRANCH OPERATOR                *MCM86099*
        00050  XDEOBRCH EQU   80            BRANCH OPERATOR                *MCM86099*
               *    NOTE : IF A NEW OPERATOR CODE IS ADDED WHICH IS         *MCM87104*
               *           GREATER THAN THE CURRENT VALUE OF XDEOMXTP,      *MCM87104*
               *           WE MUST CHANGE XDEOMXTP TO THIS NEW VALUE.       *MCM87104*
               *           IN THIS CASE, WE MUST ALSO ADD ENTRIES TO THE    *MCM87104*
               *           RHDCEVAL/ADSOXDES OPTABLE.                       *MCM87104*
               *           TO MINIMIZE THE SIZE OF OPTABLE,                 *MCM87104*
               *           IT WOULD BE BEST TO ASSIGN NEW CODES <=          *MCM87104*
               *           THE CURRENT VALUE OF XDEOMXTP.                   *MCM87104*
               *           RHDCEVAL/ADSOXDES CURRENTLY ASSUME THAT THE ONLY *MCM87104*
               *           VALID OPTYP > XDEOMXTP IS XDEOUFUN AND THIS IS   *MCM87104*
               *           HANDLED AS A SPECIAL CASE.                       *MCM87104*
        00050  XDEOMXTP EQU   XDEOBRCH      MAX OPTYP VALID FOR USE WITH    *MCM87104*
               *                            RHDCEVAL/ADSOXDES OPTABLE.      *MCM87104*
        000FD  XDEADSLR EQU   253           "OF LR" OPERAND (USED BY ADS/ONLINE)
               *                            CODE NOT USED FOR AN OPERATOR   *MCM87104*
        000FE  XDEOKWD  EQU   254           KEYWORD - USED BY LRF.
               *                              ALL OTHERS TREAT AS OPERAND   *MCM87104*
        000FF  XDEOUFUN EQU   255           USER-DEFINED FUNCTION
00000F         XDEFLAG  DS    C             FLAG BYTE
        00080  XDEFNVL  EQU   X'80'         FIELD IS NOT VALUED
        00040  XDEFNED  EQU   X'40'         NO DATA VALIDATION NEEDED
               *                            (FOR PACKED/ZONED FIELDS)
        00020  XDEFNCV  EQU   X'20'         NO CONVERSION NEEDED
        00010  XDEADDR  EQU   X'10'         XDEDATAD IS OPRND,VS OPRND ADR*CRM83270*
               *                            XDEADDR USED ONLY BY DEBUGGER
        00008  XDEFFCZ  EQU   X'08'         FIGURATIVE CONSTANT ZERO
        00008  XDEBTF   EQU   X'08'         ** BRANCH OPERATOR XDES ONLY ***MCM86099*
               *                            ON  => BRANCH IF PREVIOUS RESULT TRUE
               *                            OFF => BRANCH IF PREVIOUS RESULT FALSE
        00004  XDEBNEG  EQU   X'04'         ** BRANCH2 OPERATOR XDES ONLY ***MCM86099*
               *                            If we branch to last XDE, final
               *                            result is value at top of XDE stack.
               *                            ON  => This value must be negated
               *                            OFF => Value is correct as is
        00002  XDEBEND  EQU   X'02'         ** BRANCH2 OPERATOR XDES ONLY ***MCM86099*
               *                            Special flag for branch on last XDE
               *                            in list to say final value must be
```

```
                *                           negated.
        00002  XDEFTRUN EQU   X'02'         TRUNCATE IF DST DEC < SRC DEC *DDW83285*
        00001  XDEFRQST EQU   X'01'         USED BY LOGICAL RECORD PROCESSING
                *                           FLAG CODES FOR EDIT           *DDW84108*
        00001  XDEEF99  EQU   X'01'         SIGNIFICANCE ON HI ORDER      *DDW84108*
        00004  XDEEFLT  EQU   X'04'         FLOAT THE SIGN CHARACTER      *D*MCM87104*
                *    Blank on zero flag never utilized by any EVAL callers   *MCM87104*
                *DEEFBZ  EQU   X'08'         BLANK ON ZERO                   *MCM87104*
        00010  XDEEFPI  EQU   X'10'         XDEEADR POINTS TO PICTURE     *DDW84108*
        00020  XDEEFJL  EQU   X'20'         LEFT JUSTIFY OUTPUT           *DDW84108*
        00040  XDEEFNE  EQU   X'40'         PICTURE IS ALL X'S            *DDW84108*
        00080  XDEEFNS  EQU   X'80'         DO NOT SCALE SOURCE           *DDW84108*
                *                                                         *DDW84108*
        00010  XDELEN1  EQU   *-XDE         LENGTH OF STANDARD XDE
                *   FOR USER DEFINED FUNCTIONS, SEVERAL ADDITION FLDS ARE REQUIRED
000010          XDEUPGMN DS    CL8                 PROGRAM NAME            *CRM84052*
000018          XDEUNOPS DS    XL1                 NBR OPERANDS            *CRM84052*
000019          XDEUFUNC DS    XL1                 FUNCTION NUMBER         *CRM84052*
00001A          XDEUSTLN DS    H                   REQ'D STORAGE LENGTH    *CRM84145*
00001C          XDEUPGMV DS    H                   PROGRAM VERSION           *LCB84154*
00001E          XDEUFLG1 DS    XL1                 USER FUNCTION FLAG BYTE *BG18601014*
        00080  XDEUAGFU EQU   X'80'               AGGREGATE FUNCTION      *BG18601014*
00001F                  DS    XL1                 UNUSED                    *LCB84154*
        00020  XDELEN2  EQU   *-XDE         LENGTH OF "USER FUNCTION" XDE
                *   EQUATES FOR RESULTS OF COMPARISONS                     SSG120485
        00008  XDECMPEQ EQU   X'08'        RESULT OF COMPARE IS =          SSG120485
        00004  XDECMPLT EQU   X'04'        RESULT OF COMPARE IS <          SSG120485
        00002  XDECMPGT EQU   X'02'        RESULT OF COMPARE IS >          SSG120485
                * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
                *   THE VXDE IS THE DYNAMIC (WRITABLE) PORTION OF THE XDE            *
                * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
000000          VXDE     DSECT                          11:16:59 04/14/87
000000          VXDEFLAG DS    0C            FLAG BIT FOR NON-VALUED RESULT
        00080  VXDEFNVL EQU   X'80'          NON-VALUED RESULT
000000          VXDESNXT DS    F             OPERAND STACK NEXT XDE ADDR
000004          VXDEFLG2 DS    0C            FLAG BIT FOR ALREADY VALIDATED DECIMAL
        00080  VXDEFNED EQU   X'80'          ALREADY VALIDATED DECIMAL
000004          VXDEXDEA DS    F             CORRESPONDING XDE ADDRESS
000008          VXDEDADR DS    F             REAL DATA FIELD ADDRESS
        0000C  VXDEDLEN EQU   *-VXDE
                *        FOR USER-DEFINED FUNCTIONS, THE FOLLOWING FLDS    *CRM84052*
                *        ARE ALSO REQUIRED.                                *CRM84052*
00000C          VXDEUPGA DS    F                   PROGRAM ADDR            *CRM84052*
000010          VXDEUWKA DS    0F                  WORK AREA ADDR          *CRM84052*
000010          VXDEUWTO DS    H                   LOGICAL ADDR  TBL OFFSET*CRM84052*
000012          VXDEUWDS DS    H                   LOGICAL ADDR  DISPL     *CRM84052*
000014          VXDEUFLG DS    CL1                 FLAG FOR USER FUNCTIONS *BG1860101
        00080  VXDEUBRK EQU   X'80'               AGGREGATE FUNCTION BREAK*BG1860101
        00040  VXDEUINT EQU   X'40'               AGGREGATE FUNCTION INIT *BG1860101
        00020  VXDEUNIV EQU   X'20'               NO INITIAL VALUE FOR AGG FUN BREAK
        00010  VXDEUBAD EQU   X'10'               BAD DATA WITHIN BREAK   *BG1860304
        00008  VXDEUOVR EQU   X'08'               OVERFLOW WITHIN BREAK   *BG1860304
                VXDELOD  #FLAG X'04'               USER PGM WAS #LOADED     *MCM86174*
000015          VXDELODI DS    0XL1
        00004  VXDELODM EQU   X'04'
000015                  DS    XL3                 UNUSED                  *CRM84145*
        00018  VXDEDLN2 EQU   *-VXDE              LNG OF EXTENSION        *CRM84052*
                * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
                *   THE XDEIX IS THE DOPE VECTOR USED IN "INDEX" OPERATIONS TO DEFINE *
                *  THE FORMAT OF THE ARRAY DIMENSIONS BEING ADDRESSED                 *
                * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
000000          XDEIX    DSECT
000000          XDEIXDOA DS    F             "DEPEND ON" CONTROL FIELD ADDR
000004          XDEIXNDM DS    H             NUMBER OF DIMENSIONS (IN ARRAY)
000006          XDEIXFLG DS    C             FLAG BYTE
        00080  XDEIXFDF EQU   X'80'          FULLWORD "DEPENDS ON" CONTROL FIELD
```

```
        00040  XDEIXFDH EQU   X'40'         HALFWORD "DEPENDS ON" CONTROL FIELD
000007                DS    C              UNUSED BYTE
        00008  XDEIXRLN EQU   *-XDEIX       LENGTH OF DDOPE VECTOR ROOT
               *   THE FOLLOWING FIELDS ARE REPEATED ONCE FOR EACH DIMENSION IN
               *   THE ARRAY - FOR MBB TABLES, OFFSET AND SIZE ARE IN BITS*CRM84047*
000008         XDEIXOFF DS    H              FIELD OFFSET WITHIN CONTAINING OCCURRENCE
00000A         XDEIXSIZ DS    H              SIZE OF A DIMENSION OCCURRENCE
00000C         XDEIXMAX DS    H              MAXIMUM SUBSCRIPT VALUE FOR DIMENSION
        00006  XDEIXDLN EQU   *-XDEIXOFF    LENGTH OF ONE DIMENSION DESCRIPTOR
        0000F  XDEIXLMT EQU   15      Maximum number of dimensions supported by ADS
               *                            EVAL RETURN CODES               *DDW84348*
               *EXPRRCOD EQU   4   INVALID INPUT EXPRESSION
               *DTYPRCOD EQU   8   INVALID DATA TYPE (FOR OPERATION)
               *NCNVRCOD EQU  12  UNSUPPORTED DATA CONVERSION
               *NNUMRCOD EQU  16  NO NUMBER IN EBCDIC STRING
               *DLENRCOD EQU  20  FIELD LENGTH INCONSISTENCY
               *INDXRCOD EQU  24  SUBSCRIPT VALUE ERROR (OUT OF RANGE, <= 0)
               *DTEFRCOD EQU  28  DATE FORMAT ERROR
               *SPECRCOD EQU  32  PROGRAM CHECK (SPECIFICATION EXCEPTION)
               *DATXRCOD EQU  36  PROGRAM CHECK (DECIMAL DATA EXCEPTION)
               *FOVFRCOD EQU  40  PROGRAM CHECK (FIXED POINT OVERFLOW EXCEPTION)
               *FDVCRCOD EQU  44  PROGRAM CHECK (FIXED POINT DIVIDE EXCEPTION)
               *DOVFRCOD EQU  48  PROGRAM CHECK (DECIMAL OVERFLOW EXCEPTION)
               *DDVCRCOD EQU  52  PROGRAM CHECK (DECIMAL DIVIDE EXCEPTION)
               *NOOPRCOD EQU  56  OPERATOR FUNCTION NOT SUPPORTED
               *FLDVRCOD EQU  60  PROGRAM CHECK (FLOAT DIVIDE EXCEPTION)
               *FLOVRCOD EQU  64  PROGRAM CHECK (EXPONENT OVERFLOW EXCEPTION)
               *FLUNRCOD EQU  68  PROGRAM CHECK (EXPONENT UNDERFLOW EXCEPTION)
               *FLSGRCOD EQU  72  PROGRAM CHECK (SIGNIFICANCE EXCEPTION)
               *LOGERCOD EQU  76  LOGIC ERROR IN PROGRAM (I.E. SOMETHING HAPPENED
               *                                     WHICH SHOULD NEVER OCCUR)
               *USERFERR EQU  80  USER FUNCTION RETURNED ERROR
```

1.170 #XHIDS

```
                 COPY #XHIDS
        ********************************************************************
        ***                                                              ***
        *** XHI:   XDE HEADER INFORMATION DSECT                          ***
        ***                                                              ***
        *** THIS BLOCK IS BUILT BY THE PARSE MODULES.  IT CONTAINS GENERAL ***
        *** INFORMATION ABOUT THE XDE'S AND LITERAL POOL THAT FOLLOW IT.   ***
        ***                                                              ***
        ********************************************************************

Offset  Value

000000          XHI      DSECT                           19:10:42 11/04/83
000000          XHITYPE  DS    XL1             TYPE CODE
000001          XHIID    DS    CL3             'XHI'
000004          XHILEN   DS    H               LENGTH OF XHI
000006                   DS    H              RESERVED
000008          XHIXDEO  DS    H               OFFSET TO XDE'S FROM XHI
00000A          XHILIPO  DS    H               OFFSET TO LITERAL POOL
00000C          XHI#LPE  DS    H               # LPE IN LITERAL POOL
00000E          XHI#LPEB DS    H               # BYTES USED BY LPES IN LITERAL POOL
000010          XHIRSLTO DS    H               OFFSET TO RESULT XDE FOR ASSIGNMENT
                XHINOVL  #FLAG X'80'           DO NOT CALL EVAL FOR EXPRESSION
000012          XHINOVLI DS    0XL1
        00080   XHINOVLM EQU   X'80'
                *        #FLAG X'40'          RESERVED
                *        #FLAG X'20'          RESERVED
                *        #FLAG X'10'          RESERVED
                *        #FLAG X'08'          RESERVED
                *        #FLAG X'04'          RESERVED
                *        #FLAG X'02'          RESERVED
                *        #FLAG X'01'          RESERVED
000012          XHIFLG1  DS    XL1             FIRST FLAG BYTE
000013          XHIFLG2  DS    XL1             SECOND FLAG BYTE
000014          XHIVARH  DS    0FL2            HEADER FOR XDE STACK
000014          XHI#XDE  DS    H               NUMBER OF XDE'S
000016          XHI#IRAB DS    H               #IRA BYTES USED
000018          XHI#XDEB DS    H               # XDE BYTES USED
00001A                   DS    H               NUMBER OF XDE'S
        0001C   XHIBLEN  EQU   *-XHI           LENGTH OF XHI BASE
00001C          XHIX     DS    0F              XHI EXTENSION
00001C          XHIVARN  DS    200F            XDE STACK AREA
        00320   XHIVARS  EQU   *-XHIVARN       LENGTH OF STACK AREA
00033C          XHILITP  DS    200C            LITERAL POOL
        000C8   XHILITPS EQU   *-XHILITP       SIZE OF LITERAL POOL
        003E8   XHIXLEN  EQU   *-XHIX          LENGTH OF XHI EXTENSION
        00404   XHIDSLEN EQU   ((*-XHI+3)/4)*4 LENGTH OF XHI
```

1.171 #XTEDS

```
                 COPY #XTEDS
        ****************************************************************
        *** EXIT TABLE ENTRY DSECT                                   ***
        ****************************************************************

Offset  Value

000000          XTE      DSECT                          10:47:52 04/09/84
                XTEDEF   #FLAG X'80'               EXIT IS DEFINED
000000          XTEDEFI  DS    0XL1
        00080   XTEDEFM  EQU   X'80'
                XTEUSER  #FLAG X'40'               INVOKE EXIT IN USER MODE
000000          XTEUSERI DS    0XL1
        00040   XTEUSERM EQU   X'40'
                XTEDC    #FLAG X'20'               USE DC CALLING CONVENTIONS
000000          XTEDCI   DS    0XL1
        00020   XTEDCM   EQU   X'20'
                XTELOAD  #FLAG X'10'               ON IF MUST BE LOADED/UNLOADED
000000          XTELOADI DS    0XL1
        00010   XTELOADM EQU   X'10'
000000          XTEFLAG  DS    X                   FLAG BYTE
000001          XTEAMODE DS    X                   AMODE FOR THE EXIT
        00000   XTEAMANY EQU   0                   AMODE=ANY, DEFAULT
        00001   XTEAM24  EQU   1                   AMODE=24
000002                   DS    XL2                 RESERVED
000004          XTEEPA   DS    0A                  ENTRY POINT ADDRESS
000004          XTENAME  DS    CL8                 OR MODULE NAME
        0000C   XTEDSLEN EQU   *-XTE
```

1.172 #X35PL

```
                         COPY #X35PL
                *********************************************************************
                *        Start of stalled task info passed to user exit 35
                *        Used in determining SYSPLEX global DEADLOCK resolution
                *********************************************************************

Offset  Value

000000          X35PL    DSECT                     Start of info passed to exit 35
000000          X35DCNAM DS    XL8                 DC Sysplex I.D.
000008          X35PRTY  DS    XL1                 Dispatching Priority 0 - 255
000009          X35FLAG1 DS    X                   Flag byte 1 - used by RHDCDEAD
00000A          X35FLAG2 DS    X                   Flag byte 2 - used by RHDCDEAD
00000B          X35ECBT  DS    XL1                 Waiting on ECB type
00000C          X35START DS    0XL12               Date + Time task started + Task I.D.
00000C          X35DATIM DS    XL8                 Date + Time task was started
000014          X35TASK  DS    F                   Task I.D.
000018          X35TASKN DS    CL8                 Resource waiting task name
000020          X35PROGN DS    CL8                 Resource waiting program name
000028          X35DCEA  DS    A                   DCE address
                *********************************************************************
                *        End of stalled task info passed to user exit 35
                *********************************************************************
        0002C   X35PLLEN EQU   ((*-X35PL+3)/4)*4   Length of X35PL dsect
```

1.173 #X36PL

```
                         COPY #X36PL
                *********************************************************************
                *        Start of stalled task info passed to user exit 36
                *        Used in determining SYSPLEX global DEADLOCK resolution
                *********************************************************************

Offset  Value

000000          X36PL    DSECT                     Start of info passed to exit 36
000000          X36DCNAM DS    XL8                 DC Sysplex I.D.
000008          X36PRTY  DS    XL1                 Dispatching Priority 0 - 255
000009          X36FLAG1 DS    X                   Flag byte 1 - used by RHDCDEAD
00000A          X36FLAG2 DS    X                   Flag byte 2 - used by RHDCDEAD
00000B          X36ECBT  DS    XL1                 Waiting on ECB type
00000C          X36START DS    0XL12               Date + Time task started + Task I.D.
00000C          X36DATIM DS    XL8                 Date + Time task was started
000014          X36TASK  DS    F                   Task I.D.
000018          X36TASKN DS    CL8                 Resource waiting task name
000020          X36PROGN DS    CL8                 Resource waiting program name
                *********************************************************************
                *        End of stalled task info passed to user exit 36
                *********************************************************************
        00028   X36PLLEN EQU   ((*-X36PL+3)/4)*4   Length of X36PL dsect
```

1.174 #X37PL

```
                         COPY #X37PL
                *
                *  User Exit 37 parm list
                *

Offset  Value

000000          X37PL    DSECT
000000          X37PLIST DS     16F               #XIT plist
000040          X37RSN   DS     FL1               1 for recovery lock
000041          X37TYPE1 DS     FL1               1 for txn lock, 4 proxy lock
000042          X37TYPE2 DS     FL1               1 for area resource, 0 otherwise
000043                   DS     FL1
000044          X37RESID DS     XL8               Resource identifier
                *
        00013   X37PLL   EQU    (*-X37PL+3)/4     Length in words
```

1.175 #X38PL

```
                         COPY #X38PL
                *********************************************************************
                *   DCMT Quiesce Area/Segment/Dbname info passed to user exit 38
                *
                *   R15 return code -->  0 - Process as the DCMT syntax indicates
                *                        8 - Hold the quiesce until cancelled
                *                       12 - Release the quiesce immediately
                *********************************************************************

Offset  Value

000000          X38PL    DSECT
000000          X38DCNAM DS    CL8                 DC node name
000008          X38ID    DS    CL8                 DCMT Quiesce ID (dcmt-id)
000010          X38FLAG1 DS    X                   Flag byte
        00080   X38QAREA EQU   X'80'               DCMT Quiesce Area xxx
        00040   X38QSEG  EQU   X'40'               DCMT Quiesce Segment xxx
        00020   X38QDBN  EQU   X'20'               DCMT Quiesce Dbname xxx
000011          X38NAME  DS    CL27                Entity name being Quiesced
00002C                   DS    H                   *** reserved ***
00002E          X38FILE# DS    H                   Number of files in file list array
        00030   X38HDLEN EQU   *-X38PL             Length of header section
        00030   X38ARRAY EQU   *                   File list array
000030          X38FNAME DS    CL27                PHYSICAL FILE name
00004B          X38VOL   DS    CL6                 File VOLSER
000051          X38DDNAM DS    CL8                 File DDNAME
000059          X38DSN   DS    CL44                File DSN
000085                   ORG   X38DSN
000059          X38B2DSN DS    CL54                File BS2K DSN
000090                   DS    0F                  Insure fillword boundary
        00060   X38ARLEN EQU   *-X38ARRAY          Length of 1 occurrence in file array
                         END
SYSTEM:         ME: WYM$DB4     STEPNAME: REF01      PROCSTEP: C
Datasets
 Con DDn                          Volume  Member
  P1 SYS     B 0000101.?
  L1 SYS     R                    RIG008
  L2                              MVR2AB
     SYS     1 $DB4.OBJ.H03
     SYS     B 0000102.?

    756K     r     325K would be required for this to be an In-Storage Assembly
     21      d    1337 Library Records Read                  0 Work File Reads
      0      d     948 Primary Print Records Written         0 Work File Writes
      0      e       0 ADATA Records Written
Assembly     1  10.31.13 Processor Time: 00.00.00.0237
Return C
```

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