

J E S 2 J O B L O G

23.53.48 JOB 258 \$HASP373 LISTDSJ1 STARTED - INIT 1 - CLASS A - SYS BSP1
23.53.48 JOB 258 IEF403I LISTDSJ1 - STARTED - TIME=23.53.48
23.53.49 JOB 258 IEFACRT - Stepname Procstep Program Retcode
23.53.49 JOB 258 LISTDSJ1 ASM IFOX00 RC= 0000
23.53.49 JOB 258 LISTDSJ1 LKED IEWL RC= 0000
23.53.49 JOB 258 DYNABLDL STOPPED
23.53.49 JOB 258 LISTDSJ1 DBSTOP IEFPROC DYNABLDL RC= 0000
23.53.49 JOB 258 DYNABLDL STARTED
23.53.49 JOB 258 LISTDSJ1 DBSTART IEFPROC DYNABLDL RC= 0000
23.53.49 JOB 258 LISTDSJ1 ADDHELP IEBUPDTE RC= 0000
23.53.49 JOB 258 LISTDSJ1 ADDCLST IEBUPDTE RC= 0000
23.53.49 JOB 258 LISTDSJ1 VALDAT1 STEP01 IKJEFT01 RC= 0000
23.53.50 JOB 258 LISTDSJ1 VALDAT2 STEP01 IKJEFT01 RC= 0000
23.53.50 JOB 258 LISTDSJ1 VALDAT3 STEP01 IKJEFT01 RC= 0000
23.53.50 JOB 258 LISTDSJ1 VALDAT4 STEP01 IKJEFT01 RC= 0000
23.53.50 JOB 258 LISTDSJ1 VALDAT5 STEP01 IKJEFT01 RC= 0000
23.53.50 JOB 258 LISTDSJ1 VALDAT6 STEP01 IKJEFT01 RC= 0904
23.53.50 JOB 258 LISTDSJ1 VALDAT7 STEP01 IKJEFT01 RC= 0000
23.53.50 JOB 258 IEF404I LISTDSJ1 - ENDED - TIME=23.53.50
23.53.50 JOB 258 \$HASP395 LISTDSJ1 ENDED

----- JES2 JOB STATISTICS -----

02 OCT 19 JOB EXECUTION DATE

5,243 CARDS READ

12,001 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

0.02 MINUTES EXECUTION TIME

1 //LISTDSJ1 JOB (SYS),'Install LISTDSJ TSO',CLASS=A, JOB 258

*** ** LENOVO2IN1: SUBMVS submitted
*** ** M:\\$myMainframe\\$submit_work\SUBMIT_LISTDSJ1_JOB10719.JCL
*** ** from source file (len=57):
*** ** m:\\$myMainframe\\$LARRY_MVS_CNTL\LISTDSJ\V1010\\$inst01.JCL
// MSGCLASS=A,MSGLEVEL=(1,1)

*** -----*
*** * LISTDSJ for MVS3.8J / Hercules *
*** * *
*** * Install and Validate LISTDSJ TSO Components *
*** * - Review JOB card per your system requirements *
*** * - LISTDSJ program installs to SYS2.CMDLIB *
*** * - LISTDSJ help installs to SYS2.HELP *
*** * - CLISTDSJ clist installs to SYS2.CMDPROC *
*** * - Validate LISTDSJ via BATCH TSO using CLISTDSJ *
*** * stored in SYS2.CMDPROC *
*** * *
*** * NOTE: *
*** * ----- *
*** * Two user-mods, ZP60014 and ZP60038, are REQUIRED *
*** * *
*** * If the above user-mods are not installed, a system *
*** * abend 806-4 will occur when LISTDSJ is executed. *
*** * Additionally, an error message will display on *
*** * your TSO session screen: *
*** * 'LISTDSJ 4098 -Cannot link to IKJCT441' *
*** * *
*** * For more information, refer to the LISTDSJ program *
*** * documentation in this JCL jobstream. *
*** * *
*** -----*

2 //ASM EXEC PGM=IFOX00,
// PARM='NODECK,LOAD,RENT,TERM'
3 //SYSGO DD DSN=&&LOADSET,DISP=(MOD,PASS),SPACE=(CYL,(1,1)),
// UNIT=VIO,DCB=(DSORG=PS,RECFM=FB,LRECL=80,BLKSIZE=800)
4 //SYSLIB DD DSN=SYS1.MACLIB,DISP=SHR
5 // DD DSN=SYS1.AMODGEN,DISP=SHR
6 // DD DSN=SYS2.MACLIB,DISP=SHR ** YREG **
7 //SYSTEM DD SYSOUT=*
8 //SYSPRINT DD SYSOUT=*
9 //SYSPUNCH DD DSN=NULLFILE
10 //SYSUT1 DD UNIT=VIO,SPACE=(CYL,(6,1))
11 //SYSUT2 DD UNIT=VIO,SPACE=(CYL,(6,1))
12 //SYSUT3 DD UNIT=VIO,SPACE=(CYL,(6,1))
13 //SYSIN DD *
14 //LKED EXEC PGM=IEWL,PARM='MAP,LIST,LET,RENT,XREF',
// COND=(0,NE,ASM)
15 //SYSLIN DD DSN=&&LOADSET,DISP=(OLD,DELETE)
16 // DD DDNAME=SYSIN
*** Delete SYSLIB DD card if ISPF is not installed in MVS38J
17 //SYSLIB DD DSN=ISP.V2R0M0.LLIB,DISP=SHR <--ISPLINK
18 //SYSLMOD DD DSN=SYS2.CMDLIB,DISP=SHR <--TARGET
19 //SYSPRINT DD SYSOUT=*
20 //SYSUT1 DD UNIT=VIO,SPACE=(CYL,(5,2))
21 //SYSIN DD *

*** -----*
*** * *
*** * If SYSn.LINKLIB or SYSn.CMDLIB is updated *
*** * *
*** -----*

22 //DBSTOP EXEC DBSTOP,
// COND.IEFPROC=(0,NE,ASM)
23 XXIEFPROC EXEC PGM=DYNABLDL,REGION=100K,PARM=P

00000001

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24 //DBSTART EXEC DBSTART,
// COND.IEFPROC=(0,NE,ASM)
***
*** -----*
*** * *
*** * HELP PDS Member Installation (LISTDSJ) *
*** * *
*** -----*
25 XXIEFPROC EXEC PGM=DYNABDL,REGION=100K 00000001
26 //ADHELP EXEC PGM=IEBUPDTE,PARM=NEW,
// COND=(0,NE,ASM)
27 //SYSPRINT DD SYSOUT=*
28 //SYSUT2 DD DSN=SYS2.HELP,DISP=SHR <--TARGET
29 //SYSIN DD DATA,DLM='><'
*** -----*
*** * *
*** * CLIST PDS Member Installation (CLISTDSJ) *
*** * *
*** -----*
30 //ADDCLST EXEC PGM=IEBUPDTE,PARM=NEW,
// COND=(0,NE,ASM)
31 //SYSPRINT DD SYSOUT=*
32 //SYSUT2 DD DSN=SYS2.CMDPROC,DISP=SHR <--TARGET
33 //SYSIN DD DATA,DLM='><'
*** -----*
*** * *
*** * LISTDSJ validation using BATCH TSO and CLISTDSJ *
*** * *
*** * NOTE: *
*** * ----- *
*** * Two user-mods, ZP60014 and ZP60038, are REQUIRED *
*** * *
*** * If the above user-mods are not installed, a system *
*** * abend 806-4 will occur when LISTDSJ is executed. *
*** * Additionally, an error message will display on *
*** * your TSO session screen: *
*** * 'LISTDSJ 4098 -Cannot link to IKJCT441' *
*** * *
*** * For more information, refer to the LISTDSJ program *
*** * documentation above in this JCL jobstream. *
*** * *
*** -----*
//BATHTSO PROC
//STEP01 EXEC PGM=IKJEFT01
//SYSPROC DD DISP=SHR,DSN=SYS2.CMDPROC <--TARGET
//SYSPRINT DD SYSOUT=*
//SYSTSPRT DD SYSOUT=*
//SYSTSIN DD DUMMY Command Line Input
// PEND
***
34 //VALDAT1 EXEC BATHTSO,
// COND.STEP01=(0,NE,ASM)
35 ++BATHTSO PROC
36 ++STEP01 EXEC PGM=IKJEFT01
37 ++SYSPROC DD DISP=SHR,DSN=SYS2.CMDPROC <--TARGET
38 ++SYSPRINT DD SYSOUT=*
39 ++SYSTSPRT DD SYSOUT=*
40 //STEP01.SYSTSIN DD *
+/SYSTSIN DD DUMMY Command Line Input
41 //VALDAT2 EXEC BATHTSO,
// COND.STEP01=(0,NE,ASM)
42 ++BATHTSO PROC
43 ++STEP01 EXEC PGM=IKJEFT01
44 ++SYSPROC DD DISP=SHR,DSN=SYS2.CMDPROC <--TARGET
45 ++SYSPRINT DD SYSOUT=*

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46 ++SYSTSPRT DD SYSOUT=*
47 //STEP01.SYSTSIN DD *
   +/SYSTSIN DD DUMMY Command Line Input
48 //VALDAT3 EXEC BATCHTSO,
   // COND.STEP01=(0,NE,ASM)
49 ++BATCHTSO PROC
50 ++STEP01 EXEC PGM=IKJEFT01
51 ++SYSPROC DD DISP=SHR,DSN=SYS2.CMDPROC <--TARGET
52 ++SYSPRINT DD SYSOUT=*
53 ++SYSTSPRT DD SYSOUT=*
54 //STEP01.SYSTSIN DD *
   +/SYSTSIN DD DUMMY Command Line Input
55 //VALDAT4 EXEC BATCHTSO,
   // COND.STEP01=(0,NE,ASM)
56 ++BATCHTSO PROC
57 ++STEP01 EXEC PGM=IKJEFT01
58 ++SYSPROC DD DISP=SHR,DSN=SYS2.CMDPROC <--TARGET
59 ++SYSPRINT DD SYSOUT=*
60 ++SYSTSPRT DD SYSOUT=*
61 //STEP01.SYSTSIN DD *
   +/SYSTSIN DD DUMMY Command Line Input
62 //VALDAT5 EXEC BATCHTSO,
   // COND.STEP01=(0,NE,ASM)
63 ++BATCHTSO PROC
64 ++STEP01 EXEC PGM=IKJEFT01
65 ++SYSPROC DD DISP=SHR,DSN=SYS2.CMDPROC <--TARGET
66 ++SYSPRINT DD SYSOUT=*
67 ++SYSTSPRT DD SYSOUT=*
68 //STEP01.SYSTSIN DD *
   +/SYSTSIN DD DUMMY Command Line Input
69 //VALDAT6 EXEC BATCHTSO,
   // COND.STEP01=(0,NE,ASM)
70 ++BATCHTSO PROC
71 ++STEP01 EXEC PGM=IKJEFT01
72 ++SYSPROC DD DISP=SHR,DSN=SYS2.CMDPROC <--TARGET
73 ++SYSPRINT DD SYSOUT=*
74 ++SYSTSPRT DD SYSOUT=*
75 //STEP01.SYSTSIN DD *
   +/SYSTSIN DD DUMMY Command Line Input
76 //VALDAT7 EXEC BATCHTSO,
   // COND.STEP01=(0,NE,ASM)
77 ++BATCHTSO PROC
78 ++STEP01 EXEC PGM=IKJEFT01
79 ++SYSPROC DD DISP=SHR,DSN=SYS2.CMDPROC <--TARGET
80 ++SYSPRINT DD SYSOUT=*
81 ++SYSTSPRT DD SYSOUT=*
82 //STEP01.SYSTSIN DD *
   +/SYSTSIN DD DUMMY Command Line Input
   //
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IEF236I ALLOC. FOR LISTDSJ1 ASM
IEF237I VIO  ALLOCATED TO SYSGO
IEF237I 148  ALLOCATED TO SYSLIB
IEF237I 248  ALLOCATED TO
IEF237I 148  ALLOCATED TO
IEF237I JES2 ALLOCATED TO SYSTERM
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I DMY  ALLOCATED TO SYSPUNCH
IEF237I VIO  ALLOCATED TO SYSUT1
IEF237I VIO  ALLOCATED TO SYSUT2
IEF237I VIO  ALLOCATED TO SYSUT3
IEF237I JES2 ALLOCATED TO SYSIN
IEF142I LISTDSJ1 ASM - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS19275.T235348.RA000.LISTDSJ1.LOADSET      PASSED      *-----22
IEF285I   SYS1.MACLIB                                KEPT          *-----102
IEF285I   VOL SER NOS= MVSRES.
IEF285I   SYS1.AMODGEN                                KEPT          *-----38
IEF285I   VOL SER NOS= MVSDLB.
IEF285I   SYS2.MACLIB                                KEPT          *-----0
IEF285I   VOL SER NOS= MVSRES.
IEF285I   JES2.JOB00258.S00112                        SYSOUT
IEF285I   JES2.JOB00258.S00113                        SYSOUT
IEF285I   SYS19275.T235348.RA000.LISTDSJ1.R0000001    DELETED      *-----562
IEF285I   SYS19275.T235348.RA000.LISTDSJ1.R0000002    DELETED      *-----136
IEF285I   SYS19275.T235348.RA000.LISTDSJ1.R0000003    DELETED      *-----80
IEF285I   JES2.JOB00258.SI0101                        SYSIN
IEF373I STEP /ASM      / START 19275.2353
IEF374I STEP /ASM      / STOP 19275.2353 CPU      0MIN 00.65SEC SRB      0MIN 00.04SEC VIRT  768K SYS  420K
*****
*      1. Jobstep of job: LISTDSJ1      Stepname: ASM      Program name: IFOX00      Executed on 02.10.19 from 23.53.48 to 23.53.49 *
*      elapsed time 24:00:00,76      CPU-Identifler:  BSP1      Page-in:      0      *
*      CPU time 00:00:00,69      Virtual Storage used:  768K      Page-out:      0      *
*      corr. CPU: 00:00:00,69      CPU time has been corrected by 1 / 1,0 multiplier *
*
*      I/O Operation *
*      Number of records read via DD * or DD DATA:  4645 *
*      FFF.....22 148.....102 248.....38 148.....0 DMY.....0 DMY.....0 DMY.....0 FFF.....562 FFF.....136 FFF.....80 *
*      DMY.....0 *
*
*      Charge for step (w/o SYSOUT):      1,15 *
*****
IEF236I ALLOC. FOR LISTDSJ1 LKED
IEF237I VIO  ALLOCATED TO SYSLIN
IEF237I JES2 ALLOCATED TO
IEF237I 195  ALLOCATED TO SYSLIB
IEF237I 240  ALLOCATED TO SYSLMOD
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I VIO  ALLOCATED TO SYSUT1
IEF142I LISTDSJ1 LKED - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS19275.T235348.RA000.LISTDSJ1.LOADSET      DELETED      *-----23
IEF285I   JES2.JOB00258.SI0102                        SYSIN
IEF285I   ISP.V2R0M0.LLIB                                KEPT          *-----0
IEF285I   VOL SER NOS= PUB005.
IEF285I   SYS2.CMDLIB                                KEPT          *-----10
IEF285I   VOL SER NOS= PUB000.
IEF285I   JES2.JOB00258.S00114                        SYSOUT
IEF285I   SYS19275.T235348.RA000.LISTDSJ1.R0000004    DELETED      *-----0
IEF373I STEP /LKED      / START 19275.2353
IEF374I STEP /LKED      / STOP 19275.2353 CPU      0MIN 00.01SEC SRB      0MIN 00.00SEC VIRT  260K SYS  252K
*****
*      2. Jobstep of job: LISTDSJ1      Stepname: LKED      Program name: IEWL      Executed on 02.10.19 from 23.53.49 to 23.53.49 *
*      elapsed time 24:00:00,03      CPU-Identifler:  BSP1      Page-in:      0      *
*      CPU time 00:00:00,01      Virtual Storage used:  260K      Page-out:      0      *

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* corr. CPU: 00:00:00,01 CPU time has been corrected by 1 / 1,0 multiplier *
*
* I/O Operation *
* Number of records read via DD * or DD DATA: 1 *
* FFF.....23 DMY.....0 195.....0 240.....10 DMY.....0 FFF.....0 *
*
* Charge for step (w/o SYSOUT): 0,01 *
*****
IEF236I ALLOC. FOR LISTDSJ1 IEFPROC DBSTOP
DYNABLDL STOPPED
IEF142I LISTDSJ1 IEFPROC DBSTOP - STEP WAS EXECUTED - COND CODE 0000
IEF373I STEP /IEFPROC / START 19275.2353
IEF374I STEP /IEFPROC / STOP 19275.2353 CPU 0MIN 00.00SEC SRB 0MIN 00.00SEC VIRT 16K SYS 164K
IEF236I ALLOC. FOR LISTDSJ1 IEFPROC DBSTART
DYNABLDL STARTED
IEF142I LISTDSJ1 IEFPROC DBSTART - STEP WAS EXECUTED - COND CODE 0000
IEF373I STEP /IEFPROC / START 19275.2353
IEF374I STEP /IEFPROC / STOP 19275.2353 CPU 0MIN 00.00SEC SRB 0MIN 00.00SEC VIRT 16K SYS 164K
IEF236I ALLOC. FOR LISTDSJ1 ADDHELP
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I 240 ALLOCATED TO SYSUT2
IEF237I JES2 ALLOCATED TO SYSIN
IEF142I LISTDSJ1 ADDHELP - STEP WAS EXECUTED - COND CODE 0000
IEF285I JES2.JOB00258.S00115 SYSOUT
IEF285I SYS2.HELP KEPT *-----4
IEF285I VOL SER NOS= PUB000.
IEF285I JES2.JOB00258.SI0103 SYSIN
IEF373I STEP /ADDHELP / START 19275.2353
IEF374I STEP /ADDHELP / STOP 19275.2353 CPU 0MIN 00.01SEC SRB 0MIN 00.00SEC VIRT 48K SYS 196K
*****
* 5. Jobstep of job: LISTDSJ1 Stepname: ADDHELP Program name: IEBUPDTE Executed on 02.10.19 from 23.53.49 to 23.53.49 *
* elapsed time 24:00:00,01 CPU-Identifier: BSP1 Page-in: 0 *
* CPU time 00:00:00,01 Virtual Storage used: 48K Page-out: 0 *
* corr. CPU: 00:00:00,01 CPU time has been corrected by 1 / 1,0 multiplier *
*
* I/O Operation *
* Number of records read via DD * or DD DATA: 80 *
* DMY.....0 240.....4 DMY.....0 *
*
* Charge for step (w/o SYSOUT): 0,01 *
*****
IEF236I ALLOC. FOR LISTDSJ1 ADDCLST
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I 195 ALLOCATED TO SYSUT2
IEF237I JES2 ALLOCATED TO SYSIN
IEF142I LISTDSJ1 ADDCLST - STEP WAS EXECUTED - COND CODE 0000
IEF285I JES2.JOB00258.S00116 SYSOUT
IEF285I SYS2.CMDPROC KEPT *-----5
IEF285I VOL SER NOS= PUB005.
IEF285I JES2.JOB00258.SI0104 SYSIN
IEF373I STEP /ADDCLST / START 19275.2353
IEF374I STEP /ADDCLST / STOP 19275.2353 CPU 0MIN 00.01SEC SRB 0MIN 00.00SEC VIRT 48K SYS 196K
*****
* 6. Jobstep of job: LISTDSJ1 Stepname: ADDCLST Program name: IEBUPDTE Executed on 02.10.19 from 23.53.49 to 23.53.49 *
* elapsed time 24:00:00,02 CPU-Identifier: BSP1 Page-in: 0 *
* CPU time 00:00:00,01 Virtual Storage used: 48K Page-out: 0 *
* corr. CPU: 00:00:00,01 CPU time has been corrected by 1 / 1,0 multiplier *
*
* I/O Operation *
* Number of records read via DD * or DD DATA: 356 *
* DMY.....0 195.....5 DMY.....0 *
*
* Charge for step (w/o SYSOUT): 0,01 *
*****
IEF236I ALLOC. FOR LISTDSJ1 STEP01 VALDAT1
IEF237I 195 ALLOCATED TO SYSPROC
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IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I JES2 ALLOCATED TO SYSTSPRT
IEF237I JES2 ALLOCATED TO SYSTSIN
IEF237I 240 ALLOCATED TO SYS00001
IEF142I LISTDSJ1 STEP01 VALDAT1 - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS2.CMDPROC          KEPT          *-----8
IEF285I   VOL SER NOS= PUB005.
IEF285I   JES2.JOB00258.S00117      SYSOUT
IEF285I   JES2.JOB00258.S00118      SYSOUT
IEF285I   JES2.JOB00258.SI0105      SYSIN
IEF285I   SYS1.UCAT.TSO            KEPT          *-----0
IEF285I   VOL SER NOS= PUB000.
IEF373I STEP /STEP01 / START 19275.2353
IEF374I STEP /STEP01 / STOP 19275.2353 CPU      0MIN 00.11SEC SRB      0MIN 00.00SEC VIRT   116K SYS   272K
*****
*      7. Jobstep of job: LISTDSJ1      Stepname: STEP01      Program name: IKJEFT01      Executed on 02.10.19 from 23.53.49 to 23.53.49 *
*      elapsed time 24:00:00,13          CPU-Identifier:  BSP1          Page-in:      0      *
*      CPU time 00:00:00,11          Virtual Storage used: 116K          Page-out:    0      *
*      corr. CPU: 00:00:00,11 CPU time has been corrected by 1 / 1,0 multiplier *
*
*      I/O Operation *
*      Number of records read via DD * or DD DATA: 2 *
*      195.....8 DMY.....0 DMY.....0 DMY.....0 240.....0 *
*
*      Charge for step (w/o SYSOUT): 0,18 *
*****
IEF236I ALLOC. FOR LISTDSJ1 STEP01 VALDAT2
IEF237I 195 ALLOCATED TO SYSPROC
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I JES2 ALLOCATED TO SYSTSPRT
IEF237I JES2 ALLOCATED TO SYSTSIN
IEF237I 240 ALLOCATED TO SYS00002
IEF142I LISTDSJ1 STEP01 VALDAT2 - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS2.CMDPROC          KEPT          *-----8
IEF285I   VOL SER NOS= PUB005.
IEF285I   JES2.JOB00258.S00119      SYSOUT
IEF285I   JES2.JOB00258.S00120      SYSOUT
IEF285I   JES2.JOB00258.SI0106      SYSIN
IEF285I   SYS1.UCAT.TSO            KEPT          *-----0
IEF285I   VOL SER NOS= PUB000.
IEF373I STEP /STEP01 / START 19275.2353
IEF374I STEP /STEP01 / STOP 19275.2353 CPU      0MIN 00.12SEC SRB      0MIN 00.00SEC VIRT   116K SYS   272K
*****
*      8. Jobstep of job: LISTDSJ1      Stepname: STEP01      Program name: IKJEFT01      Executed on 02.10.19 from 23.53.49 to 23.53.50 *
*      elapsed time 24:00:00,13          CPU-Identifier:  BSP1          Page-in:      0      *
*      CPU time 00:00:00,12          Virtual Storage used: 116K          Page-out:    0      *
*      corr. CPU: 00:00:00,12 CPU time has been corrected by 1 / 1,0 multiplier *
*
*      I/O Operation *
*      Number of records read via DD * or DD DATA: 2 *
*      195.....8 DMY.....0 DMY.....0 DMY.....0 240.....0 *
*
*      Charge for step (w/o SYSOUT): 0,20 *
*****
IEF236I ALLOC. FOR LISTDSJ1 STEP01 VALDAT3
IEF237I 195 ALLOCATED TO SYSPROC
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I JES2 ALLOCATED TO SYSTSPRT
IEF237I JES2 ALLOCATED TO SYSTSIN
IEF237I 240 ALLOCATED TO SYS00003
IEF142I LISTDSJ1 STEP01 VALDAT3 - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS2.CMDPROC          KEPT          *-----8
IEF285I   VOL SER NOS= PUB005.
IEF285I   JES2.JOB00258.S00121      SYSOUT
IEF285I   JES2.JOB00258.S00122      SYSOUT
IEF285I   JES2.JOB00258.SI0107      SYSIN
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IEF285I  SYS1.UCAT.TSO
IEF285I  VOL SER NOS= PUB000.
IEF373I  STEP /STEP01 / START 19275.2353
IEF374I  STEP /STEP01 / STOP 19275.2353 CPU      0MIN 00.12SEC SRB      0MIN 00.00SEC VIRT   116K SYS   272K
*****
*      9. Jobstep of job: LISTDSJ1      Stepname: STEP01      Program name: IKJEFT01      Executed on 02.10.19 from 23.53.50 to 23.53.50 *
*      elapsed time 24:00:00,13      CPU-Identifier:  BSP1      Page-in:      0      *
*      CPU time 00:00:00,12      Virtual Storage used: 116K      Page-out:      0      *
*      corr. CPU: 00:00:00,12      CPU time has been corrected by 1 / 1,0 multiplier *
*
*      I/O Operation
*      Number of records read via DD * or DD DATA:      2
*      195.....8 DMY.....0 DMY.....0 DMY.....0 240.....0
*
*
*      Charge for step (w/o SYSOUT):      0,20
*****
IEF236I  ALLOC. FOR LISTDSJ1 STEP01 VALDAT4
IEF237I  195  ALLOCATED TO SYSPROC
IEF237I  JES2 ALLOCATED TO SYSPRINT
IEF237I  JES2 ALLOCATED TO SYSTSPRT
IEF237I  JES2 ALLOCATED TO SYSTSIN
IEF237I  240  ALLOCATED TO SYS00004
IEF237I  240  ALLOCATED TO SYS00005
IEF285I  HERC01.TEST.CNTL      KEPT      *-----21
IEF285I  VOL SER NOS= PUB000.
IEF142I  LISTDSJ1 STEP01 VALDAT4 - STEP WAS EXECUTED - COND CODE 0000
IEF285I  SYS2.CMDPROC      KEPT      *-----8
IEF285I  VOL SER NOS= PUB005.
IEF285I  JES2.JOB00258.S00123      SYSOUT
IEF285I  JES2.JOB00258.S00124      SYSOUT
IEF285I  JES2.JOB00258.SI0108      SYSIN
IEF285I  SYS1.UCAT.TSO      KEPT      *-----0
IEF285I  VOL SER NOS= PUB000.
IEF373I  STEP /STEP01 / START 19275.2353
IEF374I  STEP /STEP01 / STOP 19275.2353 CPU      0MIN 00.13SEC SRB      0MIN 00.00SEC VIRT   116K SYS   272K
*****
*      10. Jobstep of job: LISTDSJ1      Stepname: STEP01      Program name: IKJEFT01      Executed on 02.10.19 from 23.53.50 to 23.53.50 *
*      elapsed time 24:00:00,14      CPU-Identifier:  BSP1      Page-in:      0      *
*      CPU time 00:00:00,13      Virtual Storage used: 116K      Page-out:      0      *
*      corr. CPU: 00:00:00,13      CPU time has been corrected by 1 / 1,0 multiplier *
*
*      I/O Operation
*      Number of records read via DD * or DD DATA:      2
*      195.....8 DMY.....0 DMY.....0 DMY.....0 240.....0
*
*
*      Charge for step (w/o SYSOUT):      0,21
*****
IEF236I  ALLOC. FOR LISTDSJ1 STEP01 VALDAT5
IEF237I  195  ALLOCATED TO SYSPROC
IEF237I  JES2 ALLOCATED TO SYSPRINT
IEF237I  JES2 ALLOCATED TO SYSTSPRT
IEF237I  JES2 ALLOCATED TO SYSTSIN
IEF142I  LISTDSJ1 STEP01 VALDAT5 - STEP WAS EXECUTED - COND CODE 0000
IEF285I  SYS2.CMDPROC      KEPT      *-----8
IEF285I  VOL SER NOS= PUB005.
IEF285I  JES2.JOB00258.S00125      SYSOUT
IEF285I  JES2.JOB00258.S00126      SYSOUT
IEF285I  JES2.JOB00258.SI0109      SYSIN
IEF373I  STEP /STEP01 / START 19275.2353
IEF374I  STEP /STEP01 / STOP 19275.2353 CPU      0MIN 00.11SEC SRB      0MIN 00.00SEC VIRT   116K SYS   252K
*****
*      11. Jobstep of job: LISTDSJ1      Stepname: STEP01      Program name: IKJEFT01      Executed on 02.10.19 from 23.53.50 to 23.53.50 *
*      elapsed time 24:00:00,11      CPU-Identifier:  BSP1      Page-in:      0      *
*      CPU time 00:00:00,11      Virtual Storage used: 116K      Page-out:      0      *
*      corr. CPU: 00:00:00,11      CPU time has been corrected by 1 / 1,0 multiplier *
*
```

```
* I/O Operation *
* Number of records read via DD * or DD DATA: 2 *
* 195.....8 DMY.....0 DMY.....0 DMY.....0 *
*
* Charge for step (w/o SYSOUT): 0,18 *
*****
IEF236I ALLOC. FOR LISTDSJ1 STEP01 VALDAT6
IEF237I 195 ALLOCATED TO SYSPROC
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I JES2 ALLOCATED TO SYSTSPRT
IEF237I JES2 ALLOCATED TO SYSTSIN
IEF237I 240 ALLOCATED TO SYS00006
IEF142I LISTDSJ1 STEP01 VALDAT6 - STEP WAS EXECUTED - COND CODE 0904
IEF285I SYS2.CMDPROC KEPT *-----8
IEF285I VOL SER NOS= PUB005.
IEF285I JES2.JOB00258.S00127 SYSOUT
IEF285I JES2.JOB00258.S00128 SYSOUT
IEF285I JES2.JOB00258.SI0110 SYSIN
IEF285I SYS1.UCAT.TSO KEPT *-----0
IEF285I VOL SER NOS= PUB000.
IEF373I STEP /STEP01 / START 19275.2353
IEF374I STEP /STEP01 / STOP 19275.2353 CPU 0MIN 00.09SEC SRB 0MIN 00.00SEC VIRT 116K SYS 276K
*****
* 12. Jobstep of job: LISTDSJ1 Stepname: STEP01 Program name: IKJEFT01 Executed on 02.10.19 from 23.53.50 to 23.53.50 *
* elapsed time 24:00:00,10 CPU-Identifier: BSP1 Page-in: 0 *
* CPU time 00:00:00,09 Virtual Storage used: 116K Page-out: 0 *
* corr. CPU: 00:00:00,09 CPU time has been corrected by 1 / 1,0 multiplier *
*
* I/O Operation *
* Number of records read via DD * or DD DATA: 2 *
* 195.....8 DMY.....0 DMY.....0 DMY.....0 240.....0 *
*
* Charge for step (w/o SYSOUT): 0,15 *
*****
IEF236I ALLOC. FOR LISTDSJ1 STEP01 VALDAT7
IEF237I 195 ALLOCATED TO SYSPROC
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I JES2 ALLOCATED TO SYSTSPRT
IEF237I JES2 ALLOCATED TO SYSTSIN
IEF142I LISTDSJ1 STEP01 VALDAT7 - STEP WAS EXECUTED - COND CODE 0000
IEF285I SYS2.CMDPROC KEPT *-----8
IEF285I VOL SER NOS= PUB005.
IEF285I JES2.JOB00258.S00129 SYSOUT
IEF285I JES2.JOB00258.S00130 SYSOUT
IEF285I JES2.JOB00258.SI0111 SYSIN
IEF373I STEP /STEP01 / START 19275.2353
IEF374I STEP /STEP01 / STOP 19275.2353 CPU 0MIN 00.11SEC SRB 0MIN 00.00SEC VIRT 116K SYS 252K
*****
* 13. Jobstep of job: LISTDSJ1 Stepname: STEP01 Program name: IKJEFT01 Executed on 02.10.19 from 23.53.50 to 23.53.50 *
* elapsed time 24:00:00,12 CPU-Identifier: BSP1 Page-in: 0 *
* CPU time 00:00:00,11 Virtual Storage used: 116K Page-out: 0 *
* corr. CPU: 00:00:00,11 CPU time has been corrected by 1 / 1,0 multiplier *
*
* I/O Operation *
* Number of records read via DD * or DD DATA: 2 *
* 195.....8 DMY.....0 DMY.....0 DMY.....0 *
*
* Charge for step (w/o SYSOUT): 0,18 *
*****
IEF375I JOB /LISTDSJ1/ START 19275.2353
IEF376I JOB /LISTDSJ1/ STOP 19275.2353 CPU 0MIN 01.47SEC SRB 0MIN 00.04SEC
```


SYMBOL	TYPE	ID	ADDR	LENGTH	LDID	ASM 0201 23.53 10/02/19
LISTDSJ	SD	0001	000000	002C78		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
-----	--------	------	-------	-------	------	--------	-----------	-----	------	-------	----------

```
2 * * * * *
3 *
4 * =====
5 *
6 * LL      II      SSSSS  TTTTTTTT  DDDDDD      SSSSS  JJJJJJJJ
7 * LL      II  SS   SS      TT      DD   DD   SS   SS      JJ
8 * LL      II  SS      TT      DD   DD   SS      JJ
9 * LL      II      SSSSS  TT      DD   DD   SSSSS  JJ
10 * LL      II      SS      TT      DD   DD      SS      JJ
11 * LL      II  SS   SS      TT      DD   DD   SS   SS  JJ JJ
12 * LLLLLLLL II      SSSSS  TT      DDDDDD      SSSSS  JJJ
13 *
14 * =====
15 *
16 * Program: LISTDSJ
17 *
18 * Author:  Larry Belmontes Jr.
19 *         https://ShareABitofIT.net/LISTDSJ-for-MVS-3-8J
20 *
21 *
22 * Disclaimer: <DSCLAIMR>
23 * =====
24 *
25 *      No guarantee; No warranty; Install / Use at your own risk.
26 *
27 *      This software is provided "AS IS" and without any expressed
28 *      or implied warranties, including, without limitation, the
29 *      implied warranties of merchantability and fitness for a
30 *      particular purpose.
31 *
32 *      The author requests keeping authors name intact in any
33 *      modified versions.
34 *
35 *      In addition, the author requests readers to submit any
36 *      code modifications / enhancements and associated comments
37 *      for consideration into a subsequent release (giving credit
38 *      to contributor(s)) thus, improving overall functionality
39 *      and further benefiting the MVS 3.8J hobbyist public domain
40 *      community.
41 *
42 *
```

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
-----	-------------	-------	-------	------	------------------	-------------------------

44	*				Overview:	
45	*				=====	
46	*					
47	*				Inspired by LISTDS and other similar TSO CPs that display	
48	*				dataset information and, in particular, the absence of a	
49	*				LISTDSI-type TSO CP in MVS 3.8J, I started to focus on	
50	*				creating one to fill this void!	
51	*					
52	*				Some weeks later, I finalized my functional and design	
53	*				thoughts to embark in writing LISTDSJ for use under TSO and	
54	*				ISPF 2.0 (Wally McLaughlin's product) as my contribution to	
55	*				the MVS 3.8J hobbyist community.	
56	*					
57	*					
58	*				This program, LISTDSJ, accepts a data set name and provides	
59	*				dataset information from various VTOC DSCBs including directory	
60	*				information for PDS files via CLIST variables. A full list of	
61	*				CLIST (symbolic) variables is provided below in Table 3.	
62	*					
63	*				LISTDSJ is similar to LISTDSI introduced and enhanced after	
64	*				MVS3.8J. Some of the symbolic names used by LISTDSJ may not	
65	*				use the same values of a current LISTDSI version or may not be	
66	*				defined as in the current version of LISTDSI.	
67	*					
68	*				This program is written in IFOX00 Assembler (24-bit addressing)	
69	*				using the MVS 3.8J Tur(n)key 3 Operating System. Therefore, the	
70	*				LISTDSJ functions are limited to the features (support) offered by	
71	*				the above OS and/or documentation within this program. For example,	
72	*				PDS/E is not supported by the public domain MVS 3.8J Tur(n)key 3 OS.	
73	*				Thus, not supported by LISTDSJ.	
74	*					
75	*				All CLIST variables are initialized to question marks (?)	
76	*				and accordingly set to dataset attribute values as processed by	
77	*				LISTDSJ.	
78	*					
79	*				Since MVS3.8J is not Y2K compliant, the dates stored in DSCBs	
80	*				will be windowed at 70 by LISTDSJ. For example, a date stored as	
81	*				format YYJJJ (YY-year, JJJ-Julian date) of value 70002 and	
82	*				converting to format of MM/DD/CCYY will be displayed as 01/02/1970.	
83	*				Another example where the year is less than 70, say 04060 (format	
84	*				YYJJJ) will be converted to 02/01/2004. Leap year detection	
85	*				is part of the date conversion process.	
86	*					
87	*					

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
-----	--------	------	-------	-------	------	------------------	-------------------------

					89 *	Overview: (continued)	
--	--	--	--	--	------	-----------------------	--

					90 *	=====	
--	--	--	--	--	------	-------	--

					91 *		
--	--	--	--	--	------	--	--

					92 *	Dataset information provided are for datasets residing on a	
--	--	--	--	--	------	---	--

					93 *	single volume.	
--	--	--	--	--	------	----------------	--

					94 *		
--	--	--	--	--	------	--	--

					95 *	However, if a dataset residing on multiple volumes is requested,	
--	--	--	--	--	------	--	--

					96 *	a volume list (currently limited to 5 by LISTDSJ) will be provided	
--	--	--	--	--	------	--	--

					97 *	with an error code with no other dataset information due to	
--	--	--	--	--	------	---	--

					98 *	allocations spanning across multiple volumes. This is intentional.	
--	--	--	--	--	------	--	--

					99 *		
--	--	--	--	--	------	--	--

					100 *	LISTDSJ was developed and tested using Volker Bandke's MVS CD -	
--	--	--	--	--	-------	---	--

					101 *	MVS38J TK3 with Hercules 3.07 hosted on a Windows 10 Pro machine.	
--	--	--	--	--	-------	---	--

					102 *		
--	--	--	--	--	-------	--	--

					103 *	MVS38J TK4- update 8 (maintained by Juergen Winkelmann) includes	
--	--	--	--	--	-------	--	--

					104 *	user-mod ZP60014. After applying user-mod ZP60038, LISTDSJ was	
--	--	--	--	--	-------	--	--

					105 *	installed and successfully validated with a CLIST harness under	
--	--	--	--	--	-------	---	--

					106 *	TSO.	
--	--	--	--	--	-------	------	--

					107 *		
--	--	--	--	--	-------	--	--

					108 *	Enjoy LISTDSJ!	
--	--	--	--	--	-------	----------------	--

					109 *	Larry Belmontes Jr.	
--	--	--	--	--	-------	---------------------	--

					110 *		
--	--	--	--	--	-------	--	--

					111 *		
--	--	--	--	--	-------	--	--

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
-----	-------------	-------	-------	------	------------------	-------------------------

113	*				Prerequisite: User Modifications <PREREQS>	
114	*				=====	
115	*					
116	*				Two user-mods, ZP60014 and ZP60038, are REQUIRED to process	
117	*				CLIST symbolic variables via the IKJCT441 API on MVS 3.8J before	
118	*				using LISTDSJ. Otherwise, LISTDSJ is rendered useless!	
119	*					
120	*				More information on the above user-mods can be obtained from	
121	*				the following website:	
122	*				http://www.prycroft6.com.au/vs2mods/	
123	*					
124	*				If the above user-mods are not installed, a system abend	
125	*				806-4 will occur when LISTDSJ is executed. Additionally, an	
126	*				error message will be displayed on your TSO session screen:	
127	*				'LISTDSJ 4098 -Cannot link to IKJCT441'	
128	*					
129	*				Check your system to determine if one or both user-mods are	
130	*				required. ZP60038 requires ZP60014.	
131	*					
132	*					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
134	*				Command Syntax for LISTDSJ: <CMDSYNTAX>	
135	*				=====	
136	*					
137	*				LISTDSJ NAME VOL(volser) DIR PNL ABOUT DS(x) DF(n)	LB1001b
138	*				FILE DLn	LB1010gh
139	*				where:	
140	*					
141	*				1) NAME, required, dataset or DD name as the FIRST parameter	LB1010e
142	*				in the command line. Dataset name is fully qualified	LB1010e
143	*				when enclosed in single quotes. Dataset name without	LB1010e
144	*				quotes will be prefixed with USERID.	LB1010e
145	*				Use FILE or NAME to specify dataset name.	LB1010h
146	*					
147	*				2) VOLUME or VOL, optional, target VOLUME for data set name	LB1010b
148	*				bypassing catalog search.	
149	*					
150	*				3) DIRECTORY or DIR, optional, retrieve directory information.	LB1010b
151	*				This option will be ignored when requested file	
152	*				is not Partitioned.	
153	*				Additionally, a message will be set in DJMSG as-	
154	*				'DIR option not valid, ignored'	
155	*				NOTE: Last Referenced Date updated when file open.	
156	*					
157	*				4) PNL, optional, CLIST symbolic names use short format,	
158	*				&Snn.	
159	*				See Table 3, column 'S#' for name specifics.	
160	*					
161	*				5) ABOUT, optional, display LISTDSJ date time stamp on TSO	
162	*				session screen.	
163	*				NOTE: Although a dataset name must be specified as	
164	*				the first parameter before the ABOUT keyword,	
165	*				no dataset information is retrieved. All CLIST	
166	*				variables will contain default values of question	
167	*				marks (?).	
168	*					LB1001a
169	*				6) DS, optional, date separator to be used for dates	LB1001a
170	*				DS(D) use dash (-) **Default	LB1001f
171	*				DS(P) use period (.)	LB1001a
172	*				DS(S) use slash (/)	LB1001f
173	*					LB1001b
174	*				7) DF, optional, date format layout for MDY type dates	LB1001b
175	*				DF(1) use date format MM_DD_CCYY	LB1001b
176	*				DF(2) use date format DD_MM_CCYY	LB1001b
177	*				DF(3) use date format CCYY_MM_DD **Default	LB1001b
178	*				DF(4) use date format CCYY_DD_MM	LB1001b
179	*					LB1010g
180	*				8) FILE, optional, DDName to be used to resolve dataset name	LB1010g
181	*				from session allocated files.	LB1010g
182	*				Use FILE or NAME to specify dataset name.	LB1010h
183	*					LB1010h
184	*				9) DL0 or DL1, optional, implies DIRECTORY option.	LB1010h
185	*				If ISPF is available, create PDS directory list in	LB1010h
186	*				a ISPF table.	LB1010h
187	*				DL0 creates ISPF table named DIRLST0.	LB1010h
188	*				DL1 creates ISPF table named DIRLST1.	LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					189 *		PDS directory list includes ISPF statistics, if available.	LB1010h			
					190 *						

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
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				192 *	LISTDSJ Command Examples:	
--	--	--	--	-------	---------------------------	--

				193 *	=====	
--	--	--	--	-------	-------	--

				194 *		
--	--	--	--	-------	--	--

				195 *	1) LISTDSJ 'HERC01.TEST.CNTL'	LB1010e
--	--	--	--	-------	-------------------------------	---------

				196 *	Dataset attributes and other information for HERC01.ETST.CNTL	
				197 *	are set for each LISTDSJ SYS* CLIST variable excluding	
				198 *	DIRECTORY information.	

				199 *		
--	--	--	--	-------	--	--

				200 *	2) LISTDSJ 'HERC01.TEST.CNTL' DIR	LB1010e
--	--	--	--	-------	-----------------------------------	---------

				201 *	Dataset attributes and other information for HERC01.ETST.CNTL	
				202 *	are set for each LISTDSJ SYS* CLIST variable including	
				203 *	DIRECTORY information.	

				204 *	NOTE: Last Referenced Date updated when file opened.	
--	--	--	--	-------	--	--

				205 *		
--	--	--	--	-------	--	--

				206 *	3) LISTDSJ TEST.CNTL PNL	LB1010e
--	--	--	--	-------	--------------------------	---------

				207 *	Dataset attributes and other information for HERC01.TEST.CNTL	LB1010e
				208 *	are set for each LISTDSJ Snn CLIST variable excluding	
				209 *	DIRECTORY information.	

				210 *	NOTE: Short variable name notation used (&Snn)	LB1010
--	--	--	--	-------	--	--------

				211 *	NOTE: DSN prefixed with USERID of HERC01 due to no quotes	LB1010e
--	--	--	--	-------	---	---------

				212 *		
--	--	--	--	-------	--	--

				213 *	4) LISTDSJ 'HERC01.TEST.CNTL' ABOUT	LB1010e
--	--	--	--	-------	-------------------------------------	---------

				214 *	Display LISTDSJ date time stamp on TSO session screen and set	
				215 *	all LISTDSJ SYS* CLIST variables to question marks (?).	

				216 *		
--	--	--	--	-------	--	--

				217 *	5) LISTDSJ SYSPROC FILE	LB1010g
--	--	--	--	-------	-------------------------	---------

				218 *	Dataset attributes and other information for dataset name	LB1010g
				219 *	associated with DDNAME SYSPROC are set for each LISTDSJ SYS*	LB1010g
				220 *	CLIST variable excluding DIRECTORY information.	LB1010g

				221 *		
--	--	--	--	-------	--	--

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 23.53 10/02/19

223 * Table 1 - Program Register Usage

224 *

225 *

226 *

227 *

228 *

229 *

230 *

231 *

232 *

233 *

234 *

235 *

236 *

237 *

238 *

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241 *

242 *

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245 *

246 *

247 *

248 *

249 *

250 *

251 *

REG
USAGE

DESCRIPTION

R13 Calling program registers (R14-R12) upon entry

R14 Calling program return address upon entry

R15 Called program entry address upon entry

R1 Called program parms starting address

R0 Working Register

R1 Working Register

R2 Working Register

R3 Working Register

R4 Working Register

R5 Working Register

R6 Working Register

R7 Working Register

R8 Working Register

R9 Address of WORKAREA via GETMAIN/FREEMAIN

R10 Base Register 1

R11 Base Register 2

R12 Base Register 3

R13 Address of SAVEAREA

R15 Return Code upon exit

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 23.53 10/02/19

253 * Table 2 - Return Codes

254 *

255 *

256 *

257 *

258 *

259 *

260 *

261 *

262 *

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271 *

272 *

273 *

274 *

275 *

276 *

277 *

278 *

279 *

280 *

281 *

282 *

283 *

284 *

285 *

286 *

RETURN

CODE

DESCRIPTION

00

Successful Request

04

Some dataset information is unavailable. All variable
values are valid except for those with question marks
(?) which could not resolved or not valid for request.

16

Severe error occurred.
None of the variables values are valid.

4004-

Parm not supplied to LISTDSJ

4005

None of the variables values are valid.
Program terminated.

4008-

CPPL error no variables found

4010

None of the variables values are valid.
Program terminated.

4097

Program cannot link to TSO dynamic allocation interface
Program terminated.

4098

Program cannot link to CLIST variable processing API
Program terminated.

4099

Program not executing under TSO
Program terminated.Note: -Symbolic Variable &LASTCC contains LISTDSJ return code
-Messages in the 4xxx range issue a TSO session message

288	*	Table 3 - CLIST Variables <CLSTVARS>		
289	*			
290	*	+---+	-----+	-----+
291	*	S#	CLIST VARIABLE	CONTENT
292	*	+---+	-----+	-----+
293	*		LASTCC	Return code from LISTDSJ available
294	*			immediately after execution of LISTDSJ
295	*			command
296	*	+---+	-----+	-----+
297	*	00	SYSDSNAME	Dataset name
298	*	+---+	-----+	-----+
299	*	01	SYSLISTDSJMSG	LISTDSJ message variable
300	*			Miscellaneous processing message
301	*	+---+	-----+	-----+
302	*	02	SYSREASON	LISTDSJ reason code
303	*			See REASON CODE table, Table 4
304	*			column REASON CODE
305	*	+---+	-----+	-----+
306	*	03	SYSMSGVLVL1	First-level message
307	*			See RETURN CODE table, Table 2
308	*			column DESCRIPTION
309	*	+---+	-----+	-----+
310	*	04	SYSMSGVLVL2	Second-level message
311	*			See REASON CODE table, Table 4
312	*			column DESCRIPTION
313	*	+---+	-----+	-----+
314	*	05	SYSCREATE	Creation Date format CCYY/JJJ
315	*			CCYY-century year, JJJ-julian date
316	*			Note: Century windowed at 70.
317	*	+---+	-----+	-----+
318	*	06	SYSEXDATE	Expiration Date format CCYY/JJJ
319	*			CCYY-century year, JJJ-julian date
320	*			Note: Century windowed at 70.
321	*	+---+	-----+	-----+
322	*	07	SYSREFDATE	Last Referenced Date format CCYY/JJJ
323	*			CCYY-century year, JJJ-julian date
324	*			Note: Century windowed at 70.
325	*			Referenced date will be updated with DIR
326	*			option is used on a PDS request.
327	*	+---+	-----+	-----+
328	*	08	SYSDSORG	Dataset Organization
329	*			IS -ISAM
330	*			PS -Physical Sequential
331	*			DA -Direct Access
332	*			PO -Partition Organization
333	*			U -Undefined
334	*			VS -VSAM
335	*			
336	*			xxU -Unmovable
337	*	+---+	-----+	-----+

Table 3 - CLIST Variables (continued)			
S#	CLIST VARIABLE	CONTENT	
09	SYSRECFM	Record format for non-VSAM datasets Character combination e.g. FBA	
		U -Undefined	
		F -Fixed	
		V -Variable	
		B -Blocked	
		T -Track Overflow	
		S -Spanned or Standard	
		A -ANSI	
		M -Machine	
10	SYSRECL	Logical record length	
11	SYSBLKSIZE	Block size	
12	SYSKEYLEN	Key Length	
13	SYSKEYPOS	Relative Key Position	
14	SYPASSWORD	Password Indication	
		NONE No password required	
		READ Password required to READ	
		R_W Password required to READ and WRITE	
15	SYSRACFA	RACF Indication	
		NONE	
		RACF	
16	SYSADIRBLK	Directory Blocks Allocated	
		Only for PDS when DIR option is specified	
17	SYSUDIRBLK	Directory Blocks Used	
		Only for PDS when DIR option is specified	
18	SYSNUDIRBLK	Directory Blocks Not Used	
		Only for PDS when DIR option is specified	
19	SYSMEMBERS	Number of Members (total members)	
		Only for PDS when DIR option is specified	
20	SYSMEMBERSALIAS	Number of Alias Members (total within SYSMEMBERS)	
		Only for PDS when DIR option is specified	

389	*	Table 3 - CLIST Variables (continued)			
390	*				
391	*	+---+	-----+	-----+	-----+
392	*	S#	CLIST VARIABLE		CONTENT
393	*	+---+	-----+	-----+	-----+
394	*	21	SYSVOLUME		Volume serial ID
395	*	+---+	-----+	-----+	-----+
396	*	22	SYSUNIT		Device Unit on which volume resides
397	*				2305, 2305-2, 2314,
398	*				3330, 3340, 3350, 3375, 3380, 3390
399	*	+---+	-----+	-----+	-----+
400	*	23	SYSUNITS		Space Units
401	*				CYLINDER
402	*				TRACK
403	*				BLOCK
404	*				ABSOLUTE
405	*	+---+	-----+	-----+	-----+
406	*	24	SYSTRKSUSED		Total Tracks Used
407	*	+---+	-----+	-----+	-----+
408	*	25	SYSEXTENTS		Number of Extents allocated
409	*	+---+	-----+	-----+	-----+
410	*	26	SYSTRKSALLOC		Total Tracks Allocated
411	*	+---+	-----+	-----+	-----+
412	*	27	SYSSECONDS		Secondary Allocation in Space Units
413	*	+---+	-----+	-----+	-----+
414	*	28	SYSTRKSUNUSED		Total Tracks Unused
415	*	+---+	-----+	-----+	-----+
416	*	29	SYSCYLVOL		Cylinders for Volume
417	*				As stored in volume F4-DSCB
418	*	+---+	-----+	-----+	-----+
419	*	30	SYSTRKSCYL		Tracks per Cylinder for SYSUNIT
420	*				As stored in volume F4-DSCB
421	*	+---+	-----+	-----+	-----+
422	*	31	SYSJCREATE		Creation Date format YYJJJ
423	*				YY-year, JJJ-julian date
424	*				as stored by MVS3.8J
425	*	+---+	-----+	-----+	-----+
426	*	32	SYSJEXDATE		Expiration Date format YYJJJ
427	*				YY-year, JJJ-julian date
428	*				as stored by MVS3.8J
429	*	+---+	-----+	-----+	-----+
430	*	33	SYSJREFDATE		Last Referenced Date format YYJJJ
431	*				YY-year, JJJ-julian date
432	*				as stored by MVS3.8J
433	*				Referenced date will be updated when DIR
434	*				option is used on a PDS request.
435	*	+---+	-----+	-----+	-----+

	437 *	Table 3 - CLIST Variables (continued)			
	438 *				
	439 *	+--+-----+-----+			
	440 *	S#	CLIST VARIABLE	CONTENT	
	441 *	+--+-----+-----+			
	442 *	34	SYSTRKLEN	Track Length for SYSUNIT	
	443 *			As stored in volume F4-DSCB	
	444 *	+--+-----+-----+			
	445 *	35	SYSUNITCAP	Capacity for SYSUNIT	
	446 *			Computed as -	
	447 *			SYSCYLVOL * SYSTRKSCYL * SYSTRKLEN	
	448 *	+--+-----+-----+			
	449 *	36	SYSBLKSTRK	Blocks per Track for SYSUNIT	
	450 *			Computed as -	
	451 *			SYSTRKLEN / SYSBLKSIZE	
	452 *	+--+-----+-----+			
	453 *	37	SYSCCREATE	Creation Date format CCYY/MM/DD	LB1001b
	454 *			MM-month, DD-day, CCYY-century year	
	455 *			Note: See DF parm to vary date layout	LB1001b
	456 *	+--+-----+-----+			
	457 *	38	SYSCEXDATE	Expiration Date format CCYY/MM/DD	LB1001b
	458 *			MM-month, DD-day, CCYY-century year	
	459 *			Note: See DF parm to vary date layout	LB1001b
	460 *	+--+-----+-----+			
	461 *	39	SYSCREFDATE	Last Reference Date format CCYY/MM/DD	LB1001b
	462 *			MM-month, DD-day, CCYY-century year	
	463 *			Note: See DF parm to vary date layout	LB1001b
	464 *			Referenced date will be updated with DIR	
	465 *			option is used on a PDS request.	
	466 *	+--+-----+-----+			
	467 *	40	SYSNUMVOLS	Number of volumes for dataset	
	468 *			As stored in catalog	
	469 *	+--+-----+-----+			
	470 *	41	SYSDSCAT	Dataset catalog indication (Y/N)	
	471 *			Y Dataset is cataloged	
	472 *			N Dataset is not cataloged	
	473 *	+--+-----+-----+			

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 23.53 10/02/19

475	*	Table 3 - CLIST Variables (continued)				
476	*					
477	*	+---+-----+-----+-----+-----+-----+				
478	*	S#	CLIST VARIABLE		CONTENT	
479	*	+---+-----+-----+-----+-----+-----+				
480	*	42	SYSDSCATV		Dataset cataloged volume serial ID	
481	*				Volume serial of dataset name found	
482	*				on catalog	
483	*	+---+-----+-----+-----+-----+-----+				
484	*	43	SYSPRIMARY		Primary Allocation in Space units.	
485	*	+---+-----+-----+-----+-----+-----+				
486	*	44	SYSUSED		Allocation used, in Space units.	
487	*	+---+-----+-----+-----+-----+-----+				
488	*	45	SYSVOLUMES		List of volume serial numbers for	
489	*				single and multiple volume datasets.	
490	*				Limited to 5 volumes.	
491	*	+---+-----+-----+-----+-----+-----+				
492	*	46	SYSALLOC		Allocation in Space units.	LB1010d
493	*	+---+-----+-----+-----+-----+-----+				
494	*					

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 23.53 10/02/19

496 * Table 4 - REASON CODES Table

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Table 4 - REASON CODES Table

REASON

CODE

DESCRIPTION

00

Normal completion

02

Dynamic allocation processing error

'RC=xxx

Allocate PDS error'

'RC=xxx

Free PDS error'

05

Dataset not cataloged

'RC=xxx

DSCB-Fx CAMLST NAME error'

06

Error obtaining dataset, volumes=0

13

Dataset could not be opened or closed

'RC=xxx

Open PDS error'

'RC=xxx

Close PDS error'

19

Dataset resides on multiple volumes

21

Catalogue error when locating dataset

22

Volume not mounted

'RC=xxx

DSCB-Fx CAMLST NAME error'

'RC=xxx

DSCB-Fx CAMLST SEARCH error'

'RC=xxx

DSCB-Fx CAMLST SEEK error'

23

Permanent I/O error on volume

'RC=xxx

DSCB-Fx CAMLST NAME error'

'RC=xxx

DSCB-Fx CAMLST SEARCH error'

'RC=xxx

DSCB-Fx CAMLST SEEK error'

24

Dataset not found

'RC=xxx

DSCB-Fx CAMLST NAME error'

'RC=xxx

DSCB-Fx CAMLST SEARCH error'

'RC=xxx

DSCB-Fx CAMLST SEEK error'

26

Dataset on MSS (Mass Storage) device

28

DDNAME must be 1-8 characters

29

Dataset or DD name must be specified

90

DDN not allocated (not found)

99

ABOUT request, no DSN info retrieved

Note: Additional information may be included for selected Reason

Codes in variable SYSLISTDSJMSG show in quotes above

LB1010g

LB1010g

LB1010g

LB1010g

LB1010g

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 23.53 10/02/19

551 * Macros and SYSLIB Location:

552 * =====

553 *

554 * Macro Description Library

555 * -----

556 * YREGS Register Equates SYS2.MACLIB

557 * IHAPSA Prefixed Save Area SYS1.AMODGEN

558 * CVT Communication Vector Table SYS1.AMODGEN

559 * IKJTCB Task Control Block SYS1.AMODGEN LB1010g

560 * IEFTIOT1 Task IO Table SYS1.AMODGEN LB1010g

561 * IEFJFCBN Job File Control Block SYS1.AMODGEN LB1010g

562 * IHAASCB Address Space Control Block SYS1.AMODGEN

563 * IEFUCBOB Unit Control Block SYS1.AMODGEN

564 * IKJCPPL CP Parm List SYS1.MACLIB

565 * IKJUPT User Profile Table SYS1.MACLIB LB1010g

566 * IKJPPL Parse Parm List SYS1.MACLIB

567 * IKJIOPL I/O Service Routine Parm List SYS1.MACLIB

568 * IKJDAPL Dynamic Allocation Parm List SYS1.MACLIB

569 * IKJDAP08 Operation block ALLOC Dataset SYS1.MACLIB

570 * IKJDAP18 Operation block FREE Dataset SYS1.MACLIB

571 * IECSDSL1 DSCB Dataset Mapping 1-4 SYS1.AMODGEN

572 *

573 *

574 * References:

575 * =====

576 *

577 * - GC28-6628-9 OS System Control Blocks (R21.7)

578 * - Advanced Assembler Language and MVS Interfaces (C. Cannatello)

579 * - SC34-2036-1 SPF Dialogue Management Services (March 1981) LB1010h

580 *

581 *

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 23.53 10/02/19

583 * Change History: <CHGHIST>

584 * =====

585 *

586 * MM/DD/CCYY Version Name / Description

587 * -----

588 * 09/30/2019 1.0.10 Larry Belmontes Jr. LB1010a

589 * - Add comments for DF and DS keywords LB1010a

590 * regarding customizing default values at LB1010a

591 * time of installation LB1001a

592 * - Add keywords DIRECTORY and VOLUME. LB1010b

593 * Associated abbreviated keywords remain LB1010b

594 * unchanged, DIR and VOL. LB1010b

595 * - Changed list of values for &SYSUNITS LB1010c

596 * instead of abbreviations LB1010c

597 * CYLINDER, TRACK, BLOCK, ABSOLUTE LB1010c

598 * - Support new variable, &SYSALLOC, LB1010d

599 * allocation in space units LB1010d

600 * - VALLOC DC C'SYSALLOC' LB1010d

601 * - Support USERID prefix for DSN when LB1010e

602 * unquoted dataset name is provided LB1010e

603 * - Changed date separator and format defaults LB1010f

604 * - Date Separator to dash (-) LB1010f

605 * - Date Format to CCYY_MM_DD (3) LB1010f

606 * - Support FILE keyword to provide DDNAME LB1010g

607 * in place of dataset name LB1010g

608 * - Support DL0 and DL1 keywords to provide a LB1010h

609 * PDS directory list including ISPF stats (if LB1010h

610 * available) in a ISPF table. ISPF must be LB1010h

611 * available to MVS38J to use this feature. LB1010h

612 * DL0 creates ISPF table named DIRLST0 LB1010h

613 * DL1 creates ISPF table named DIRLST1 LB1010h

614 * - Enhance calling of IKJCT441 and ISPLINK LB1010i

615 * LB1010a

616 * 05/17/2019 1.0.01 Larry Belmontes Jr. LB1001a

617 * - Add DS (Date Separator) keyword to support LB1001a

618 * dash, period, and slash date separators LB1001a

619 * - Default can be customized before installing LB1010a

620 * see variable DATESEP LB1010a

621 * - Add DF (Date Format layout) keyword to support LB1001b

622 * the following layouts: LB1001b

623 * MM_DD_CCYY LB1001b

624 * DD_MM_CCYY LB1001b

625 * CCYY_MM_DD LB1001b

626 * CCYY_DD_MM LB1001b

627 * - Default can be customized before installing LB1010a

628 * see variable DATEFMT LB1010a

629 * LB1001a

630 * 04/29/2019 1.0.00 Larry Belmontes Jr.

631 * - Initial version released to MVS 3.8J

632 * hobbyist public domain

633 *

634 * 04/28/2019 0.5.10 Larry Belmontes Jr.

635 * - Enhance keyword detection by checking for

636 * a delimiter (blank) after keyword

637 * - KDIR EQU *

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
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638	*				- KPNL EQU *	
639	*				- KABOUT EQU *	
640	*					
641	*	04/26/2019	0.5.00		Larry Belmontes Jr.	
642	*				- Support parms: DSN VOL() DIR PNL ABOUT	
643	*				- Add ABOUT parm processing	
644	*				- Enhance space used routine	
645	*				- SPCUSED EQU *	
646	*				- Support volumes list for multi-volume DSN	
647	*				(limited to 5 intentionally)	
648	*				- VVOLLST DC C'SYSVOLUMES'	
649	*					
650	*	02/21/2019	0.4.00		Larry Belmontes Jr.	
651	*				- Support parms: DSN VOL() DIR PNL	
652	*				- Add PNL parm processing	
653	*				- Enhance DSORG table processing	
654	*				- Support primary allocations	
655	*				- VPSPCAL DC C'SYSPRIMARY'	
656	*				- VPSPCUS DC C'SYSUSED'	
657	*				- Add TSO session messages for certain errors	
658	*				using a message prefix	
659	*				- 'LISTDSJ nnnn - error...'	
660	*					
661	*	01/08/2019	0.3.00		Larry Belmontes Jr.	
662	*				- Enhance device table search	
663	*				- Enhance symbolic variable processing	
664	*					
665	*	01/26/2019	0.3.10		Larry Belmontes Jr.	
666	*				- Add error processing	
667	*				- ERR97	
668	*				- ERR99	
669	*				- Add Y2k Window value as a variable	
670	*				- Y2KWIN DC F'70'	
671	*					
672	*	12/22/2018	0.2.00		Larry Belmontes Jr.	
673	*				- Support parms: DSN VOL() DIR	
674	*				- Add DIR parm processing	
675	*				- Support catalog variables	
676	*				- VDSCAT DC C'SYSDSCAT'	
677	*				- VDSCATV DC C'SYSDSCATV'	
678	*				- VNUMVOL DC C'SYSNUMVOLS'	
679	*				- catalog / not cataloged	
680	*				- single volume / multi volume	
681	*				- Support reason code processing	
682	*				- VRSCODE DC C'SYSREASON'	
683	*				- VMSSL1 DC C'SYSMSGLVL1'	
684	*				- VMSSL2 DC C'SYSMSGLVL2'	
685	*				- Support DSCB F-1 dataset attributes	
686	*				- VKEYP DC C'SYSKEYPOS'	
687	*				- Support additional file date format CLIST	
688	*				variables	
689	*				- VCREDITJ DC C'SYSJCREATE'	
690	*				- VEXPDTJ DC C'SYSJEXDATE'	
691	*				- VREFDTJ DC C'SYSJREFDATE'	
692	*				- VCREDITC DC C'SYSCCREATE'	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
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693	*				- VEXPDT DC C'SYSCEXDATE'	
694	*				- VREFDTC DC C'SYSCREFDATE'	
695	*				- Check for presence of DSCB F-2 ISAM	
696	*				vtoc record	
697	*				- Support DSCB F-3 dataset extents	
698	*				- Support DSCB F-4 volume device	
699	*				characteristics	
700	*				- VCCVOL DC C'SYSCYLVOL'	
701	*				- VTTCC DC C'SYSTRKSCYL'	
702	*				- VTRKLEN DC C'SYSTRKLEN'	
703	*				- VBLKTRK DC C'SYSBLKSTRK'	
704	*				- VUNITCAP DC C'SYSUNITCAP'	
705	*				- Compute total space allocation in tracks	
706	*				and cylinders by summarizing extent info	
707	*				in F-1 and F-3 DSCBs	
708	*				- VTKAL DC C'SYSTRKSALLOC'	
709	*				- VTKUS DC C'SYSTRKSUSED'	
710	*				- VTKUUS DC C'SYSTRKSUNUSED'	
711	*				- Enhance message communication via new CLIST	
712	*				variable	
713	*				- VJMSG DC C'SYSLISTDSJMSG'	
714	*				- Add DAIR processing for PDS Directory	
715	*				- Support PDS directory information	
716	*				- VMEMS DC C'SYSMEMBERS'	
717	*				- VALIAS DC C'SYSMEMBERSALIAS'	
718	*				- VDIRBKSU DC C'SYSUDIRBLK'	
719	*				- VDIRBKSN DC C'SYSNUDIRBLK'	
720	*				- VDIRBKSA DC C'SYSADIRBLK'	
721	*					
722	*			11/25/2018 0.1.00	Larry Belmontes Jr.	
723	*				- Support parms: DSN	
724	*				- Add DSN parm processing	
725	*				- Support basic catalog checks for DSN:	
726	*				- catalog / not cataloged	
727	*				- single volume / multi volume	
728	*				- Support reason code processing	
729	*				- VRSCODE DC C'SYSREASON'	
730	*				- VMSSL1 DC C'SYSMSGLVL1'	
731	*				- VMSSL2 DC C'SYSMSGLVL2'	
732	*				- Support DSCB F-1 dataset attributes	
733	*				- VVOL DC C'SYSVOLUME'	
734	*				- VLRECL DC C'SYSLRECL'	
735	*				- VBLKSZ DC C'SYSBLKSIZE'	
736	*				- VKEYL DC C'SYSKEYLEN'	
737	*				- VDSORG DC C'SYSDSORG'	
738	*				- VRECFM DC C'SYSRECFM'	
739	*				- VCREDIT DC C'SYSCREATE'	
740	*				- VEXPDT DC C'SYSEXDATE'	
741	*				- VREFDT DC C'SYSREFDATE'	
742	*				- VPASSWD DC C'SYSPASSWORD'	
743	*				- VRACF DC C'SYSRACFA'	
744	*				- VSSPC DC C'SYSUNITS'	
745	*				- VSSPCNM DC C'SYSSECONDS'	
746	*				- VUNIT DC C'SYSUNIT'	
747	*				- VEXTS DC C'SYSEXTENTS'	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
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					748	*		
					749	*	11/18/2018 0.0.00	Larry Belmontes Jr.
					750	*		- Simple prototype
					751	*		- Return code processing via R15 (&LASTCC TS0)
					752	*		- Support parms: DSN
					753	*		- Echo parm to clist variable
					754	*		- VDSN DC C'SYSDSNAME'
					755	*		
					756	*		

758	*	Potential Enhancements: <ENHMNTS>
759	*	=====
760	*	
761	*	01) Add ability to detect 31-bit addressing and execute ATL
762	*	for MVS 380
763	*	
764	*	
765	*	
766	*	
767	*	
768	*	
769	*	
770	*	
771	*	
772	*	
773	*	
774	*	* * * * *

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
000000				776	LISTDSJ	CSECT	
			00000	777		USING LISTDSJ,R10,R11,R12 my BASE REGISTER(S)	
				778		PRINT NOGEN	
				779	*	*	
				780	*	/* *****/	
				781	*	/* Save regs and declare base registers R10,R11,R12 */	
				782	*	/* including saving R1 (PARMS) in R2 */	
				783	*	/* - R1 myPARMS address on entry */	
				784	*	/* - R15 myENTRY address on entry */	
				785	*	/* *****/	
000000	90EC D00C	0000C		786	STM	R14,R12,12(R13)	Save calling program registers
000004	18AF			787	LR	R10,R15	Load base1 w R15
000006	41BA 0FFF	00FFF		788	LA	R11,4095(R10)	Load base2 (R11) w/ offset
00000A	41BB 0001	00001		789	LA	R11,1(R11)	Adjust base2
00000E	41CB 0FFF	00FFF		790	LA	R12,4095(R11)	Load base3 (R12) w/ offset
000012	41CC 0001	00001		791	LA	R12,1(R12)	Adjust base3
000016	18FD			792	LR	R15,R13	Save callers registers
000018	1821			793	LR	R2,R1	Save PARM addr
				794	*	*	
				795	*	/* *****/	
				796	*	/* Program Eyecatcher */	
				797	*	/* *****/	
00001A	47F0 A052	00052		798	B	OVRSTAMP	Branch past eye-catcher
			0001E	799	MYSTAMP	EQU *	
00001E	D3C9E2E3C4E2D140			800	PGMID	DC CL8'LISTDSJ '	My Program STAMP
000026	D4E5E2F34BF8D140			801		DC CL8'MVS3.8J '	OS
00002E	E5F14BF04BF1F040			802		DC CL8'V1.0.10 '	.Version LB1010
000036	F0F9F3F0F2F0F1F9			803		DC CL8'09302019'	..date MMDDCCYY LB1010
00003E	40			804		DC CL1' '	
				805	PGMDS	DC CL8'&SYSDATE'	Assemble Date
000047	406040			807		DC CL3' - '	.and
				808	PGMTS	DC CL8'&SYSTIME'	..Time
			00034	810	MYSTAMPL	EQU *-MYSTAMP	
000052				811	OVRSTAMP	DS 0H	
				812	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					814	*	*/*****				
					815	*	/* GETMAIN, working storage, using R9				
					816	*	/* - R0 Working register				
					817	*	/* - R1 Working register (GETMAIN address)				
					818	*	/* - R9 Working Storage DSECT address				
					819	*	*/*****				
000052	4100	0918	00918		820		LA R0,WSAREAL R0 = size of Workarea DSECT				
					821		GETMAIN R, LV=(R0) Get Storage, R1 = addr of storage				
00005E	1891				825		LR R9,R1 R9 = Workarea DSECT Register				
			00000		826		USING WSDSECT,R9 Tell Assembler				
					827	*	*/*****				
					828	*	/* Update Save Areas for caller and calling programs				
					829	*	/* - R1 myPARMS address on entry (restored)				
					830	*	*/*****				
					831	*	*/*****				
000060	18FD				832		LR R15,R13 Save callers savearea addr				
000062	41D0	9000	00000		833		LA R13,SAVEAREA Load Addr of my savearea				
000066	50F0	D004	00004		834		ST R15,4(,R13) Chain callers to my savearea				
00006A	50D0	F008	00008		835		ST R13,8(,R15) Chain my savearea to callers				
00006E	1812				836		LR R1,R2 Restore R1 as PARM addr				
					837	*	*/*****				LB1010i
					838	*	/* Load IKJCT441 Entry Point				LB1010i
					839	*	/* - R0, R1 Working Register				LB1010i
					840	*	*/*****				LB1010i
					841	*	*/*****				LB1010i
					842		LOAD EP=IKJCT441,ERRET=ERR4098				LB1010i
000090	5000	9048	00048		852		ST R0,IKJCT441 Load and Save IKJCT441 Entry Point				LB1010i
000094	1812				853		LR R1,R2 Restore R1 as PARM addr				LB1010i
					854	*	*/*****				
					855	*	/* Initialize IKJCT441 Parm List area				
					856	*	/* - R0 Working Register				
					857	*	*/*****				
					858	*	*/*****				
000096	4100	C17C	0217C		859		LA R0,ECUPDT Entry Code				
00009A	5000	904C	0004C		860		ST R0,CT441P1				
00009E	4100	9064	00064		861		LA R0,NAMP1 Name Pointer				
0000A2	5000	9050	00050		862		ST R0,CT441P2				
0000A6	4100	9068	00068		863		LA R0,NAML1 Name Length				
0000AA	5000	9054	00054		864		ST R0,CT441P3				
0000AE	4100	906C	0006C		865		LA R0,VALP1 Var Pointer				
0000B2	5000	9058	00058		866		ST R0,CT441P4				
0000B6	4100	9070	00070		867		LA R0,VALL1 Var Length				
0000BA	5000	905C	0005C		868		ST R0,CT441P5				
0000BE	4100	C180	02180		869		LA R0,TOKEN Token				
0000C2	5000	9060	00060		870		ST R0,CT441P6				
0000C6	9280	9060	00060		871		MVI CT441P6,B'10000000' Last Parm designation				
					872	*	*/*****				

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
					874 *	/* *****/	
					875 *	/* Check if we are running under TS0	*/
					876 *	/* - R0 Working Register	*/
					877 *	/* -JMSG'LISTDSJ 4099 -Must run under TS0'	*/
					878 *	/* *****/	
					879 *	PSA is at address 0	
0000CA	5800	0220	00220		880	L R0,PSAANEW-PSA(0)	R0=ASCB Address
0000CE	5800	003C	0003C		881	L R0,ASCBTSB-ASCB(R0)	R0=ASCBTSB Address
0000D2	1200				882	LTR R0,R0	If 0, program not under TS0
0000D4	4780	B6B4	016B4		883	BZ ERR4099	..error, not under TS0!
					884 *	/* *****/	
					885 *	/* *****/	
					886 *	/* Initialize CLIST Symbol data area	*/
					887 *	/* - R3, R4 Working Register	*/
					888 *	/* *****/	
0000D8	4130	908E	0008E		889	LA R3,DSYMS	Addr of symbolic data area
0000DC	4140	01FF	001FF		890	LA R4,DSYMSL	Len of symbolic data area
			000E0		891	INITSYMA EQU *	
0000E0	926F	3000	00000		892	MVI 0(R3),C'?'	Populate with '?'
0000E4	4133	0001	00001		893	LA R3,1(R3)	Bump to next byte
0000E8	4640	A0E0	000E0		894	BCT R4,INITSYMA	
					895 *	/* *****/	
					896 *	/* *****/	
					897 *	/* Initialize RC and Reason Code	*/
					898 *	/* *****/	
0000EC	D201	936A	C0C0	0036A	899	MVC RC,=C'00'	Zero Return Code
0000F2	D203	933C	C060	0033C	900	MVC RCEXIT,=F'0'	Zero Return Code R15
					901 *	/* #Data source: 02 SYSREASON set throughout program	*/
0000F8	D201	911E	C0C0	0011E	902	MVC DRSNCODE,=C'00'	Zero Reason Code
					903 *	/* *****/	
					904 *	/* *****/	
					905 *	/* Initialize - OTHER	*/
					906 *	/* *****/	
0000FE	D703	96EC	96EC	006EC	907	XC MYECB,MYECB	
					908 *	/* #Data source: 01 SYSLISTDSJMSG set throughout program	*/
000104	9240	90BA	000BA		909	MVI DJMSG,C' '	
000108	D262	90BB	90BA	000BB	910	MVC DJMSG+1(L'DJMSG-1),DJMSG	
					911 *		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					913	*	*/*****	*/
					914	*	/* Get PARAMETER information passed to program	*/
					915	*	/* - R1 myPARMS address on entry	*/
					916	*	/* - R4 Starting parms address	*/
					917	*	/* - R6 Parm Length	*/
					918	*	/* - R3, R4, R5 Working Register	*/
					919	*	/* -ReasonCode 29 Dataset name must be specified	*/
					920	*	/* -JMSG'LISTDSJ 4004 -PARM Not supplied'	*/
					921	*	/* -JMSG'LISTDSJ 4005 -PARM Not supplied'	*/
					922	*	/* -JMSG'LISTDSJ 4008 -CPPL No variables'	*/
					923	*	/* -JMSG'LISTDSJ 4009 -CPPL No variables'	*/
					924	*	/* -JMSG'LISTDSJ 4010 -CPPL No variables'	*/
					925	*	*/*****	*/
				0010E	926	PARMS	EQU *	We have a parm...
00010E	1211				927		LTR R1,R1	Do I have a PARM?
000110	4780	B5AC	015AC		928		BZ ERR4005	NO, EXIT with RC = 4005
000114	1831				929		LR R3,R1	YES, R3=PARM/CPPL addr
000116	9180	3000	00000		930		TM 0(R3),X'80'	Is it PARM or CPPL addr?
00011A	4780	A134	00134		931		BZ CPPLIN	YES, CPPL addr
				0011E	932	PARMIN	EQU *	NO, must be PARM addr
00011E	5840	3000	00000		933		L R4,0(,R3)	R4=Addr of PARM
000122	4860	4000	00000		934		LH R6,0(,R4)	R6=Length of PARM
000126	1266				935		LTR R6,R6	PARM > 0 length?
000128	4780	B57E	0157E		936		BZ ERR4004	NO, EXIT with RC = 4004
00012C	4140	4002	00002		937		LA R4,2(,R4)	YES, R4=point to start of PARM data
000130	47F0	A15C	0015C		938		B PARMSXT	and continue...
				00134	939	CPPLIN	EQU *	
000134	5030	96E8	006E8		940		ST R3,MYCPPLP	Store CPPL Address
000138	5840	3000	00000		941		L R4,0(,R3)	R4=Command Buffer addr
00013C	4850	4002	00002		942		LH R5,2(,R4)	R5=Offset to Command Variables
000140	1255				943		LTR R5,R5	Any Variables?
000142	4780	B5D8	015D8		944		BZ ERR4008	NO, EXIT with RC = 4008
000146	4860	4000	00000		945		LH R6,0(,R4)	YES, R6=Length of Command Buffer
00014A	1B65				946		SR R6,R5	Subtract variable offset
00014C	4B60	C0C2	020C2		947		SH R6,=H'4'	Subtract prefix
000150	4780	B604	01604		948		BE ERR4009	EXIT with RC = 4009 IF NO VARIABLES
000154	4740	B630	01630		949		BM ERR4010	EXIT with RC = 4010 IF NO VARIABLES
000158	4144	5004	00004		950		LA R4,4(R4,R5)	R4=Point to variables start addr
				0015C	951	*		
					952	PARMSXT	EQU *	We have a parm...
					953	*		
					954	*	*/*****	*/
					955	*	/* Uppercase translation of PARMIN	*/
					956	*	/* - R4 Starting parms address	*/
					957	*	/* - R6 Parm Length	*/
					958	*	/* - R8, R4, R5 Working Register	*/
					959	*	*/*****	*/
				0015C	960	CAP#EM	EQU *	
00015C	1886				961		LR R8,R6	R8=Parm Length
00015E	0680				962		BCTR R8,0	Adjust length for OC
000160	4480	A168	00168		963		EX R8,UPPERC	Execute Uppercase translation
000164	47F0	A16E	0016E		964		B UPPERCX	
000168	D600	4000	BF18	00000	965	UPPERC	OC 0(0,R4),=256X'40'	EBCDIC Lower-Upper Case Translate
				0016E	966	UPPERCX	EQU *	
					967	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					969	*	*/*****				
					970	*	/* Scan parm list				
					971	*	*/*****				
			0016E		972	PARMSCAN	EQU *				
					973	*	*				
					974	*	/*-----				
					975	*	/* Initialize parm switches / variables				
					976	*	/* - R7, R8 Working Register				
					977	*	/*-----				
00016E	9240	9376		00376	978	MVI	PDSN,C' '	Clear DSN			
000172	D22A	9377	9376	00377	00376	979	MVC	PDSN+1(L'PDSN-1),PDSN			
000178	92D5	93A9		003A9	980	MVI	PDIR,C'N'	DIR request - init to NO			
00017C	92D5	93AA		003AA	981	MVI	PPNL,C'N'	PNL request - init to NO			
000180	92D5	93AB		003AB	982	MVI	PABOUT,C'N'	ABOUT request - init to NO			
000184	92D5	93A8		003A8	983	MVI	PVOL,C'N'	VOLUME specified - init to NO			
000188	92D5	93AC		003AC	984	MVI	PFILE,C'N'	FILE request - init to NO			LB1010g
00018C	92D5	987C		0087C	985	MVI	ALLOCPO,C'N'	PDS Allocated Flag init to NO			LB1010h
000190	92D5	93AD		003AD	986	MVI	PDL,C'N'	DLn request init to NO			LB1010h
000194	D207	92B6	C018	002B6	02018	987	MVC	TBN,=C'DIRLST '	Table Name - Init		LB1010h
					988	*					LB1010a
					989	***	MVI	DATESEP,C'-'	Date Separator - Dash		LB1010a
					990	***	MVI	DATESEP,C'/'	Date Separator / Slash		LB1010a
					991	***	MVI	DATESEP,C'.'	Date Separator . Period		LB1010a
00019A	9260	92A5		002A5	992	MVI	DATESEP,C'-'	Date Separator default value <---			LB1001f
					993	*					LB1001a
					994	***	MVI	DATEFMT,C'1'	Date Format 1 MM_DD_CCYY		LB1010a
					995	***	MVI	DATEFMT,C'2'	Date Format 2 DD_MM_CCYY		LB1010a
					996	***	MVI	DATEFMT,C'3'	Date Format 3 CCYY_MM_DD		LB1010a
					997	***	MVI	DATEFMT,C'4'	Date Format 4 CCYY_DD_MM		LB1010a
00019E	92F3	92A6		002A6	998	MVI	DATEFMT,C'3'	Date Format default value <---			LB1001f
					999	*					LB1001a
0001A2	4170	9376		00376	1000	LA	R7,PDSN	R7=Start of PDSN area			
0001A6	4180	0000		00000	1001	LA	R8,0	R8=PDSN actual length			
0001AA	4080	9374		00374	1002	STH	R8,PDSNL	Store length of PDSN			
					1003	*					LB1001e

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					1005	*	/*-----*/	
					1006	*	/* Get DATASET NAME as 1st required parm	
					1007	*	/* - R4 Starting parms address	
					1008	*	/* - R6 Parm Length	
					1009	*	/*-----*/	
0001AE	92E8	93AE	003AE		1010		MVI IDPREFIX,C'Y'	Assume USERID Prefix appending LB1010e
				001B2	1011	PRMDSN	EQU *	
0001B2	9540	4000	00000		1012		CLI 0(R4),C' '	Delimiter?
0001B6	4780	A1F0	001F0		1013		BE NEXTPRM	YES, next parm
0001BA	957D	4000	00000		1014		CLI 0(R4),C''''	Apostrophe in DSN? LB1010e
0001BE	4780	A1D8	001D8		1015		BE BUMPPRM	YES, bypass and try again! LB1010e
0001C2	D200	7000	4000	00000	1016		MVC 0(1,R7),0(R4)	NO, continue with dataset name
0001C8	4177	0001	00001		1017		LA R7,1(R7)	Bump up position PDSN
0001CC	4188	0001	00001		1018		LA R8,1(R8)	Bump up length of PDSN
0001D0	4080	9374	00374		1019		STH R8,PDSNL	Store length of PDSN
0001D4	47F0	A1E4	001E4		1020		B BUMPCNT	Jump to PARMIN position bump! LB1010e
				001D8	1021	BUMPPRM	EQU *	LB1010e
0001D8	95D5	93AE	003AE		1022		CLI IDPREFIX,C'N'	USERID Prefix Y? LB1010e
0001DC	4780	A1E4	001E4		1023		BE BUMPCNT	YES, continue... LB1010e
0001E0	92D5	93AE	003AE		1024		MVI IDPREFIX,C'N'	NO, set USERID PREFIX to Y LB1010e
				001E4	1025	BUMPCNT	EQU *	LB1010e
0001E4	4144	0001	00001		1026		LA R4,1(R4)	Bump up position PARMIN LB1010e
0001E8	4660	A1B2	001B2		1027		BCT R6,PRMDSN	Check again...
0001EC	47F0	A42A	0042A		1028		B PARMDONE	Done...
					1029	*		LB1001a

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					1031	*	/*-----*/	
					1032	*	/* Get other optional parms	
					1033	*	/* - R4 Starting parms address	
					1034	*	/*-----*/	
0001F0	4144	0001	00001	001F0	1035	NEXTPRM	EQU *	
					1036		LA R4,1(R4)	Bump up position PARMIN
				001F4	1037	NEXT01	EQU *	
0001F4	D508	C140	4000	02140	00000	1038	CLC KWDIR9,0(R4)	Keyword 'DIRECTORY'? LB1010b
0001FA	4780	A26A		0026A		1039	BE KDIR#9	YES, process LB1010b
0001FE	D502	C149	4000	02149	00000	1040	CLC KWDIR,0(R4)	Keyword 'DIR'?
000204	4780	A280		00280		1041	BE KDIR	YES, process
000208	D502	C14C	4000	0214C	00000	1042	CLC KWPNL,0(R4)	Keyword 'PNL'?
00020E	4780	A296		00296		1043	BE KPNL	YES, process
000212	D504	C14F	4000	0214F	00000	1044	CLC KWABOUT,0(R4)	Keyword 'ABOUT'?
000218	4780	A2AC		002AC		1045	BE KABOUT	YES, process
00021C	D506	C154	4000	02154	00000	1046	CLC KWVOLUME,0(R4)	Keyword 'VOLUME('? LB1010b
000222	4780	A356		00356		1047	BE PARMVOL6	YES, process LB1010b
000226	D503	C15B	4000	0215B	00000	1048	CLC KWVOL,0(R4)	Keyword 'VOL('?
00022C	4780	A366		00366		1049	BE PARMVOL	YES, process
000230	D502	C15F	4000	0215F	00000	1050	CLC KWDS,0(R4)	Keyword 'DS('? LB1001a
000236	4780	A3C4		003C4		1051	BE PARMDS	YES, process LB1001a
00023A	D502	C162	4000	02162	00000	1052	CLC KWDF,0(R4)	Keyword 'DF('? LB1001b
000240	4780	A404		00404		1053	BE PARMDF	YES, process LB1001b
000244	D503	C170	4000	02170	00000	1054	CLC KWFILE,0(R4)	Keyword 'FILE'? LB1001g
00024A	4780	A2C2		002C2		1055	BE KFILE	YES, process LB1001g
00024E	D502	C174	4000	02174	00000	1056	CLC KWDL0,0(R4)	Keyword 'DL0'? LB1001h
000254	4780	A2D8		002D8		1057	BE KDL0	YES, process LB1001h
000258	D502	C177	4000	02177	00000	1058	CLC KWDL1,0(R4)	Keyword 'DL1'? LB1001h
00025E	4780	A2D8		002D8		1059	BE KDL0	YES, process LB1001h
000262	4660	A1F0		001F0		1060	BCT R6,NEXTPRM	Check again...
000266	47F0	A42A		0042A		1061	B PARMDONE	Done
					1062	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					1064	*	/*-----*/	
					1065	*	/* Keyword Delimiter Check	LB1010g
					1066	*	/* - R0 Working register	
					1067	*	/* - R6 Parm Length	
					1068	*	/*-----*/	
				0026A	1069	KDIR#9	EQU *	LB1010b
00026A	4100	0009	00009		1070		LA R0,(L'KWDIR9)	LB1010b
00026E	1960				1071		CR R6,R0	LB1010b
000270	4780	A2EE	002EE		1072		BE PARMDIR	LB1010b
000274	9540	4009	00009		1073		CLI L'KWDIR9(R4),C' '	LB1010b
000278	4780	A2EE	002EE		1074		BE PARMDIR	LB1010b
00027C	47F0	A1F0	001F0		1075		B NEXTPRM	LB1010b
				00280	1076	KDIR	EQU *	
000280	4100	0003	00003		1077		LA R0,(L'KWDIR)	
000284	1960				1078		CR R6,R0	End of PARMS?
000286	4780	A2EE	002EE		1079		BE PARMDIR	YES, flag it DIR
00028A	9540	4003	00003		1080		CLI L'KWDIR(R4),C' '	Blank follow keyword?
00028E	4780	A2EE	002EE		1081		BE PARMDIR	YES, flag it DIR
000292	47F0	A1F0	001F0		1082		B NEXTPRM	NO, continue checking...
				00296	1083	KPNL	EQU *	
000296	4100	0003	00003		1084		LA R0,(L'KWPNL)	
00029A	1960				1085		CR R6,R0	End of PARMS?
00029C	4780	A2FE	002FE		1086		BE PARMPNL	YES, flag it PNL
0002A0	9540	4003	00003		1087		CLI L'KWPNL(R4),C' '	Blank follow keyword?
0002A4	4780	A2FE	002FE		1088		BE PARMPNL	YES, flag it PNL
0002A8	47F0	A1F0	001F0		1089		B NEXTPRM	NO, continue checking...
				002AC	1090	KABOUT	EQU *	
0002AC	4100	0005	00005		1091		LA R0,(L'KWABOUT)	
0002B0	1960				1092		CR R6,R0	End of PARMS?
0002B2	4780	A30E	0030E		1093		BE PARMABOT	YES, flag it ABOUT
0002B6	9540	4005	00005		1094		CLI L'KWABOUT(R4),C' '	Blank follow keyword?
0002BA	4780	A30E	0030E		1095		BE PARMABOT	YES, flag it ABOUT
0002BE	47F0	A1F0	001F0		1096		B NEXTPRM	NO, continue checking...
				002C2	1097	KFILE	EQU *	LB1010g
0002C2	4100	0004	00004		1098		LA R0,(L'KWFILE)	LB1010g
0002C6	1960				1099		CR R6,R0	End of PARMS?
0002C8	4780	A31E	0031E		1100		BE PARMFILE	YES, flag it FILE
0002CC	9540	4004	00004		1101		CLI L'KWFILE(R4),C' '	Blank follow keyword?
0002D0	4780	A31E	0031E		1102		BE PARMFILE	YES, flag it FILE
0002D4	47F0	A1F0	001F0		1103		B NEXTPRM	NO, continue checking...
				002D8	1104	KDL0	EQU *	LB1010h
0002D8	4100	0003	00003		1105		LA R0,(L'KWDL0)	LB1010h
0002DC	1960				1106		CR R6,R0	End of PARMS?
0002DE	4780	A32E	0032E		1107		BE PARMDL0	YES, flag it DLn
0002E2	9540	4003	00003		1108		CLI L'KWDL0(R4),C' '	Blank follow keyword?
0002E6	4780	A32E	0032E		1109		BE PARMDL0	YES, flag it DLn
0002EA	47F0	A1F0	001F0		1110		B NEXTPRM	NO, continue checking...
					1111	*		LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					1113	*	/*-----*/	
					1114	*	/* Keyword Set	LB1010g
					1115	*	/* - R4 Starting parms address	
					1116	*	/* - R0 Keyword Length	
					1117	*	/*-----*/	
			002EE		1118	PARMDIR	EQU *	
0002EE	92E8	93A9	003A9		1119		MVI PDIR,C'Y'	Mark DIR action ON
0002F2	4144	0003	00003		1120		LA R4,L'KWDIR(R4)	Bump up position PARMIN
0002F6	4100	0003	00003		1121		LA R0,(L'KWDIR)	
0002FA	47F0	A344	00344		1122		B PARM@DEC	Decrement...
			002FE		1123	PARMPNL	EQU *	
0002FE	92E8	93AA	003AA		1124		MVI PPNL,C'Y'	Mark PNL action ON
000302	4144	0003	00003		1125		LA R4,L'KWPNL(R4)	Bump up position PARMIN
000306	4100	0003	00003		1126		LA R0,(L'KWPNL)	
00030A	47F0	A344	00344		1127		B PARM@DEC	Decrement...
			0030E		1128	PARMABOT	EQU *	
00030E	92E8	93AB	003AB		1129		MVI PABOUT,C'Y'	Mark ABOUT action ON
000312	4144	0005	00005		1130		LA R4,L'KWABOUT(R4)	Bump up position PARMIN
000316	4100	0005	00005		1131		LA R0,(L'KWABOUT)	
00031A	47F0	A344	00344		1132		B PARM@DEC	Decrement...
			0031E		1133	PARMFILE	EQU *	LB1010g
00031E	92E8	93AC	003AC		1134		MVI PFILE,C'Y'	Mark FILE action ON LB1010g
000322	4144	0004	00004		1135		LA R4,L'KWFILE(R4)	Bump up position PARMIN LB1010g
000326	4100	0004	00004		1136		LA R0,(L'KWFILE)	LB1010g
00032A	47F0	A344	00344		1137		B PARM@DEC	Decrement... LB1010g
			0032E		1138	PARMDL0	EQU *	LB1010h
					1139	**	MVI PDL,C'0'	Mark DL0 action LB1010h
00032E	92E8	93A9	003A9		1140		MVI PDIR,C'Y'	Mark DIR action ON IMPLY LB1010h
000332	D200	93AD	4002 003AD	00002	1141		MVC PDL,L'KWDL0-1(R4)	Mark DL0 action LB1010h
000338	4144	0003	00003		1142		LA R4,L'KWDL0(R4)	Bump up position PARMIN LB1010h
00033C	4100	0003	00003		1143		LA R0,(L'KWDL0)	LB1010h
000340	47F0	A344	00344		1144		B PARM@DEC	Decrement... LB1010h
					1145	*	/*-----*/	
					1146	*	/* Decrement command buffer scanning position	*/
					1147	*	/* - R4 Starting parms address	*/
					1148	*	/* - R0 Keyword Length	*/
					1149	*	/* - R6 Parm Length	*/
					1150	*	/*-----*/	
			00344		1151	*	/*-----*/	
					1152	PARM@DEC	EQU *	
000344	1B60				1153		SR R6,R0	Decrement R6 accordingly
000346	4780	A42A	0042A		1154		BZ PARMDONE	Done when R6 is ZERO
00034A	4740	A42A	0042A		1155		BM PARMDONE	... or NEGATIVE
00034E	4660	A1F0	001F0		1156		BCT R6,NEXTPRM	Check again
000352	47F0	A42A	0042A		1157		B PARMDONE	Done
					1158	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19	
					1160	*	/*-----*/		
					1161	*	/* VOL keyword and subfield process		
					1162	*	/* - R4 Starting parms address		
					1163	*	/* - R0 Keyword Length		
					1164	*	/* - R6 Parm Length		
					1165	*	/* - R7, R8 Working register		
					1166	*	/*-----*/		
				00356	1167	PARMVOL6	EQU *	YES, process	LB1010b
000356	92E8	93A8	003A8		1168		MVI PVOL,C'Y'	Mark VOL specified action ON	LB1010b
00035A	4144	0007	00007		1169		LA R4,L'KWVOLUME(R4)	Bump up position PARMIN	LB1010b
00035E	4100	0007	00007		1170		LA R0,(L'KWVOLUME) 1		LB1010b
000362	47F0	A372	00372		1171		B PARMVGO		LB1010b
				00366	1172	PARMVOL	EQU *		
000366	92E8	93A8	003A8		1173		MVI PVOL,C'Y'	Mark VOL specified action ON	
00036A	4144	0004	00004		1174		LA R4,L'KWVOL(R4)	Bump up position PARMIN	
00036E	4100	0004	00004		1175		LA R0,(L'KWVOL) 1		
				00372	1176	PARMVGO	EQU *		LB1010b
000372	1B60				1177		SR R6,R0	Decrement R6 accordingly	
000374	4780	A42A	0042A		1178		BZ PARMDONE	Done when R6 is ZERO	
000378	4740	A42A	0042A		1179		BM PARMDONE	... or NEGATIVE	
				0037C	1180	LOADVOL	EQU *		
00037C	9240	93BA	003BA		1181		MVI OBTVOL,C' '	Clear VOL	
000380	D204	93BB	93BA 003BB	003BA	1182		MVC OBTVOL+1(L'OBTVOL-1),OBTVOL		
000386	4170	93BA	003BA		1183		LA R7,OBTVOL	Start of OBTVOL area	
00038A	4180	0006	00006		1184		LA R8,L'OBTVOL	Max limit for VOL	
				0038E	1185	VOL00	EQU *		
00038E	9540	4000	00000		1186		CLI 0(R4),C' '	Delimiter?	
000392	4780	A1F0	001F0		1187		BE NEXTPRM	YES, branch to NEXTPRM	
000396	955D	4000	00000		1188		CLI 0(R4),C')'	Delimiter?	
00039A	4780	A1F0	001F0		1189		BE NEXTPRM	YES, branch to NEXTPRM	
00039E	D200	7000	4000 00000	00000	1190		MVC 0(1,R7),0(R4)	NO, continue with volume	
0003A4	4144	0001	00001		1191		LA R4,1(R4)	Bump up position PARMIN	
0003A8	4177	0001	00001		1192		LA R7,1(R7)	Bump up position PDSN	
0003AC	0680				1193		BCTR R8,0	Decrement R8	
0003AE	1288				1194		LTR R8,R8	0? VOL max length used?	
0003B0	4780	A3BC	003BC		1195		BZ VOL00A	YES, branch to NEXTPRM via BCT	
0003B4	4660	A38E	0038E		1196		BCT R6,VOL00	Check again... next VOL character	
0003B8	47F0	A42A	0042A		1197		B PARMDONE	Done...	
0003BC	4660	A1F0	001F0		1198	VOL00A	BCT R6,NEXTPRM	Check again... next parm	
0003C0	47F0	A42A	0042A		1199		B PARMDONE	Done...	
					1200	*			LB1001a

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					1202	*	/*-----*/	LB1001a
					1203	*	/* DS keyword delimiter check */	LB1001a
					1204	*	/* - R4 Starting parms address */	LB1001a
					1205	*	/*-----*/	LB1001a
0003C4	4144	0003	00003	003C4	1206	PARMDS	EQU *	LB1001a
					1207		LA R4,L'KWDS(R4) Bump up position PARMIN	LB1001a
				003C8	1208	LOADDS	EQU *	LB1001a
0003C8	95C4	4000	00000		1209		CLI 0(R4),C'D' Date Separator DASH?	LB1001a
0003CC	4780	A3EC	003EC		1210		BE LOADDSD YES, load DASH	LB1001a
0003D0	95E2	4000	00000		1211		CLI 0(R4),C'S' Date Separator SLASH?	LB1001a
0003D4	4780	A3E4	003E4		1212		BE LOADDSS YES, load SLASH	LB1001a
0003D8	95D7	4000	00000		1213		CLI 0(R4),C'P' Date Separator PERIOD?	LB1001a
0003DC	4780	A3F4	003F4		1214		BE LOADDSP YES, load PERIOD	LB1001a
0003E0	47F0	A3FC	003FC		1215		B LOADDSX Use Date Separator Default value	LB1001a
				003E4	1216	LOADDSS	EQU *	LB1001a
0003E4	9261	92A5	002A5		1217		MVI DATESEP,C'/' SLASH...	LB1001a
0003E8	47F0	A3FC	003FC		1218		B LOADDSX	LB1001a
				003EC	1219	LOADDSD	EQU *	LB1001a
0003EC	9260	92A5	002A5		1220		MVI DATESEP,C'-' DASH...	LB1001a
0003F0	47F0	A3FC	003FC		1221		B LOADDSX	LB1001a
				003F4	1222	LOADDSP	EQU *	LB1001a
0003F4	924B	92A5	002A5		1223		MVI DATESEP,C'.' PERIOD...	LB1001a
0003F8	47F0	A3FC	003FC		1224		B LOADDSX	LB1001a
				003FC	1225	LOADDSX	EQU *	LB1001a
0003FC	4144	0001	00001		1226		LA R4,1(R4) Bump up position PARMIN	LB1001a
000400	47F0	A1F0	001F0		1227		B NEXTPRM Go get NEXTPRM	LB1001a
					1228	*		LB1001b

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					1230	*	/*-----*/	LB1001b
					1231	*	/* DF keyword delimiter check	LB1001b
					1232	*	/* - R4 Starting parms address	LB1001b
					1233	*	/*-----*/	LB1001b
				00404	1234	PARMDF	EQU *	LB1001b
000404	4144	0003	00003		1235		LA R4,L'KWDF(R4) Bump up position PARMIN	LB1001b
				00408	1236	LOADDF	EQU *	LB1001b
000408	95F1	4000	00000		1237		CLI 0(R4),C'1' Date Format < 1?	LB1001b
00040C	4740	A422	00422		1238		BL LOADDFX YES, use default	LB1001b
000410	95F4	4000	00000		1239		CLI 0(R4),C'4' Date Format > 4?	LB1001b
000414	4720	A422	00422		1240		BH LOADDFX YES, use default	LB1001b
					1241	*	B LOADDSX Use Date Separator Default value	LB1001b
				00418	1242	LOADDFT	EQU *	LB1001b
000418	D200	92A6	4000	002A6	00000	1243	MVC DATEFMT,0(R4) Store date format from keyword	LB1001b
00041E	47F0	A422		00422	1244		B LOADDFX	LB1001b
				00422	1245	LOADDFX	EQU *	LB1001b
000422	4144	0001	00001		1246		LA R4,1(R4) Bump up position PARMIN	LB1001b
000426	47F0	A1F0	001F0		1247		B NEXTPRM Go get NEXTPRM	LB1001b
					1248	*		LB1001b

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					1250	*	/*-----*/	
					1251	*	/* Parm processing complete	
					1252	*	/* Check for FILE DDN to DSN processing	LB1010g
					1253	*	/* Check for appending USERID as prefix	LB1010e
					1254	*	/* -ReasonCode 29 Dataset name must be specified	
					1255	*	/* - R4, R6, R7, R8 Working register	LB1010e
					1256	*	/*-----*/	
				0042A	1257	PARMDONE	EQU *	Done with SCAN
00042A	D203	908C	9374	0008C	00374	1258	MVC DDSNL,PDSNL	Dataset name length from PARMIN LB1010e
000430	D22B	908E	9376	0008E	00376	1259	MVC DDSN,PDSN	Dataset name from PARMIN LB1010e
000436	95E8	93AC		003AC	1260		CLI PFILE,C'Y'	FILE requested, using DDN? LB1010g
00043A	4780	A4E0		004E0	1261		BE CHKDDNL	YES, go check valid DDN length? LB1010g
					1262	*		NO, must be DDSN request LB1010g
00043E	95E8	93AE		003AE	1263		CLI IDPREFIX,C'Y'	USERID Prefix needed for DSN? LB1010e
000442	4770	A4D4		004D4	1264		BNE PARMDCNT	NO, continue with DSN as-is LB1010e
					1265	*		LB1010e

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					1267	*	/*-----*/	LB1010e
					1268	*	/* DSN, apply USERID prefix */	LB1010e
					1269	*	/*-----*/	LB1010e
				00446	1270	APPENDID	EQU * YES, add prefix to DSN	LB1010e
000446	5840	96E8	006E8		1271		L R4,MYCPPLP Point to CPPL	LB1010e
				00000	1272		USING CPPL,R4 Tell Assembler	LB1010e
00044A	5860	4004	00004		1273		L R6,CPPLUPT Point to UPT	LB1010e
				00000	1274		USING UPT,R6 Tell Assembler	LB1010e
00044E	1B77				1275		SR R7,R7 Clear R7	LB1010e
000450	4370	6017	00017		1276		IC R7,UPTPREFL Prefix ID Length	LB1010e
000454	4070	93B0	003B0		1277		STH R7,MYIDL Store Prefix ID Length	LB1010e
000458	D207	93B2	6010	003B2	00010	1278	MVC MYID,UPTPREFIX Store Prefix ID	LB1010e
					1279		DROP R4	LB1010e
					1280		DROP R6	LB1010e
					1281	*		LB1010e
00045E	9240	908E	0008E		1282		MVI DDSN,C' ' Clear DDSN	LB1010e
000462	D22A	908F	908E	0008F	0008E	1283	MVC DDSN+1(L'DDSN-1),DDSN	LB1010e
					1284	*		LB1010e
000468	4140	908E	0008E		1285		LA R4,DDSN Address of DDSN	LB1010e
00046C	1B66				1286		SR R6,R6 Clear R6	LB1010e
00046E	4860	93B0	003B0		1287		LH R6,MYIDL Length of DDSN, set to MYIDL	LB1010e
000472	4170	93B2	003B2		1288		LA R7,MYID Address of MYID	LB1010e
					1289	*		LB1010e

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
				00476	1291	DOUSERID	EQU *	Move USERID prefix to DDSN LB1010e
000476	0660				1292		BCTR R6,0	Adjust length for EX LB1010e
000478	4460	A486	00486		1293		EX R6,MVCMYID	EX move of PDSN LB1010e
00047C	4166	0001	00001		1294		LA R6,1(R6)	Reset DDSN length LB1010e
000480	1A46				1295		AR R4,R6	Bump up DDSN position LB1010e
000482	47F0	A48C	0048C		1296		B DOPERIOD	Add period after USERID LB1010e
000486	D200	4000 93B2	00000	003B2	1297	MVCMYID	MVC 0(0,R4),MYID	Move MYID for EX LB1010e
				0048C	1298	DOPERIOD	EQU *	LB1010e
00048C	924B	4000	00000		1299		MVI 0(R4),C'.'	Move period after USERID LB1010e
000490	4144	0001	00001		1300		LA R4,1(R4)	Bump up DDSN position LB1010e
000494	4166	0001	00001		1301		LA R6,1(R6)	Bump up DDSN length LB1010e
				00498	1302	DOPDSN0	EQU *	LB1010e
000498	1B77				1303		SR R7,R7	Clear R7 LB1010e
00049A	4870	9374	00374		1304		LH R7,PDSNL	Length of PDSN LB1010e
00049E	1A76				1305		AR R7,R6	Add current DDSN length LB1010e
0004A0	5970	C064	02064		1306		C R7,=F'44'	DDSN within 44 byte limit? LB1010e
0004A4	47D0	A4BA	004BA		1307		BNH DOPDSN	YES, move PDSN portion LB1010e
				004A8	1308	DOPDSN44	EQU *	NO, move PDSN portion truncated! LB1010e
0004A8	4170	002C	0002C		1309		LA R7,44	Initialize DSSNL LB1010e
0004AC	4070	908C	0008C		1310		STH R7,DDSNL	to 44 LB1010e
0004B0	1B76				1311		SR R7,R6	44 - current DDSNL LB1010e
0004B2	4470	A4CE	004CE		1312		EX R7,MVCPDSN	EX move of PDSN LB1010e
0004B6	47F0	A4D4	004D4		1313		B PARMDCNT	LB1010e
				004BA	1314	DOPDSN	EQU *	LB1010e
0004BA	1B77				1315		SR R7,R7	Clear R7 LB1010e
0004BC	4070	908C	0008C		1316		STH R7,DDSNL	Length of DDSN LB1010e
0004C0	4870	9374	00374		1317		LH R7,PDSNL	Length of PDSN LB1010e
0004C4	0670				1318		BCTR R7,0	Adjust length for EX LB1010e
0004C6	4470	A4CE	004CE		1319		EX R7,MVCPDSN	EX move of PDSN LB1010e
0004CA	47F0	A4D4	004D4		1320		B PARMDCNT	LB1010e
0004CE	D200	4000 9376	00000	00376	1321	MVCPDSN	MVC 0(0,R4),PDSN	Move PDSN for EX LB1010e
					1322	*	*/-----*/	LB1010e
					1323	*	/* DSN, use as-is */	LB1010e
					1324	*	*/-----*/	LB1010e
				004D4	1325	PARMDCNT	EQU *	LB1010e
					1326	**	STM R0,R1,DW	SAVE R0,R1 to DW before TPUT LB1010e
					1327	**	TPUT DDSN,44	LB1010e
					1328	**	LM R0,R1,DW	RESTORE R0,R1 from DW after TPUT LB1010e
0004D4	9540	9376	00376		1329		CLI PDSN,C' '	Have a DSN? LB1010e
0004D8	4780	B6F6	016F6		1330		BE RSN29	NO, error Reasoncode 29 LB1010g
0004DC	47F0	A560	00560		1331		B PARMCNT2	NO, continue with DDSN request LB1010g
					1332	*		LB1010g

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					1334	*	/*-----*/	LB1010e
					1335	*	/* DDN, check valid length and locate DSN from DDN */	LB1010e
					1336	*	/* -ReasonCode 28 DDNAME must be 1-8 characters */	LB1010e
					1337	*	/* -ReasonCode 90 DDN not allocated (not found) */	LB1010e
					1338	*	/*-----*/	LB1010e
				004E0	1339	CHKDDNL	EQU *	LB1010g
0004E0	D503	908C	C0C4	0008C	1340		CLC DDSNL,=H'8'	LB1010g
0004E6	4720	B6E0		016E0	1341		BH RSN28	LB1010g
				004EA	1342	FINDDDN	EQU *	LB1010g
0004EA	5840	0010		00010	1343		L R4,CVTPTR	LB1010g
				00000	1344		USING CVT,R4	LB1010g
0004EE	5870	4000		00000	1345		L R7,CVTTCPB	LB1010g
					1346		DROP R4	LB1010g
0004F2	D207	9330	7000	00330	1347		MVC DW,0(R7)	LB1010g
0004F8	5870	9334		00334	1348		L R7,DW+4	LB1010g
				00020	1349		USING TCB,R7	LB1010g
0004FC	5840	700C		0002C	1350		L R4,TCBTIO	LB1010g
					1351		DROP R7	LB1010g
				00000	1352		USING TIOT,R4	LB1010g
000500	4170	4018		00018	1353		LA R7,TIOENTRY	LB1010g
				00018	1354		USING TIOENTRY,R7	LB1010g
				00504	1355	LOOPDDN	EQU *	LB1010g
000504	9500	7000		00018	1356		CLI TIOELNGH,0	LB1010g
000508	4780	B70C		0170C	1357		BE RSN90	LB1010g
					1358	*		LB1010g
00050C	D507	908E	7004	0008E	1359		CLC DDSN(8),TIOEDDNM	LB1010g
000512	4780	A522		00522	1360		BE GOODDDN	LB1010g
000516	1B88				1361		SR R8,R8	LB1010g
000518	4380	7000		00018	1362		IC R8,TIOELNGH	LB1010g
00051C	1A78				1363		AR R7,R8	LB1010g
00051E	47F0	A504		00504	1364		B LOOPDDN	LB1010g
				00522	1365	GOODDDN	EQU *	LB1010g
000522	D703	9338	9338	00338	1366		XC FW,FW	LB1010g
000528	D202	9339	700C	00339	1367		MVC FW+1(3),TIOEJFCB	LB1010g
00052E	5880	9338		00338	1368		L R8,FW	LB1010g
000532	5A80	C068		02068	1369		A R8,=F'16'	LB1010g
				00000	1370		USING JFCB,R8	LB1010g
000536	D22B	908E	8000	0008E	1371		MVC DDSN,JFCBDSNM	LB1010g
					1372		DROP R4	LB1010g
					1373		DROP R7	LB1010g
					1374		DROP R8	LB1010g
00053C	4140	0000		00000	1375		LA R4,0	LB1010g
000540	4170	002C		0002C	1376		LA R7,44	LB1010g
000544	4180	908E		0008E	1377		LA R8,DDSN	LB1010g
				00548	1378	CALCDSNL	EQU *	LB1010g
000548	9540	8000		00000	1379		CLI 0(R8),C' '	LB1010g
00054C	4780	A55C		0055C	1380		BE CALCEXIT	LB1010g
000550	4144	0001		00001	1381		LA R4,1(R4)	LB1010g
000554	4188	0001		00001	1382		LA R8,1(R8)	LB1010g
000558	4670	A548		00548	1383		BCT R7,CALCDSNL	LB1010g
				0055C	1384	CALCEXIT	EQU *	LB1010g
00055C	4040	908C		0008C	1385		STH R4,DDSNL	LB1010g
					1386	*		LB1010g
				00560	1387	PARMCNT2	EQU *	LB1010g
000560	D22B	93C0	908E	003C0	1388		MVC CAMDSN,DDSN	YES, Load DSN from DDSN data

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
000566	D205	93A2 93BA	003A2	003BA	1389	MVC	PVOLSER,OBTVOL	Save VOLSER from PARM data
					1390	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					1392	*	*/*****	
					1393	*	/* Display ABOUT information on terminal	*/
					1394	*	/* and exit. No dataset processing done...	*/
					1395	*	/* -ReasonCode 99 ABOUT request, no DSN info retrieved	*/
					1396	*	*/*****	
				0056C	1397	ABOUT#	EQU *	
00056C	95E8	93AB	003AB		1398		CLI PABOUT,C'Y'	Display ABOUT Info?
000570	4770	A5B0	005B0		1399		BNE ABOUT#XT	NO.
000574	9001	9330	00330		1400		STM R0,R1,DW	SAVE R0,R1 to DW before TPUT
					1401		TPUT MYSTAMP,MYSTAMPL	
000590	9801	9330	00330		1412		LM R0,R1,DW	RESTORE R0,R1 from DW after TPUT
000594	D233	90BA	A01E	000BA	0001E	1413	MVC DJMSG(MYSTAMPL),MYSTAMP	Move to &SYSLISTDSJMSG
00059A	D201	911E	C0C6	0011E	020C6	1414	MVC DRSNCODE,=C'99'	ABOUT, no DSN info msg
0005A0	D203	933C	C06C	0033C	0206C	1415	MVC RCEXIT,=F'00'	
0005A6	D201	936A	C0C0	0036A	020C0	1416	MVC RC,=C'00'	
0005AC	47F0	B438	01438		1417		B ENDME	
				005B0	1418	ABOUT#XT	EQU *	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19	
					1420	*	/* *****/		
					1421	*	/* Locate dataset name via catalog	*/	
					1422	*	/* #Data source: 00 SYSDSNAME (1 of 02)	*/	
					1423	*	/* #Data source: 41 SYSDSCAT	*/	
					1424	*	/* #Data source: 42 SYSDSCATV	*/	
					1425	*	/* -ReasonCode 05 DSN not catalogued	*/	
					1426	*	/* -JMSG'RC=xxx DSCB-Fx CAMLIST NAME error'	*/	
					1427	*	/* - R3 Working Register	*/	
					1428	*	/* - R15 Working Register and RC exit code register	*/	
					1429	*	/* *****/		
			005B0		1430	LOC8DSN	EQU *		
0005B0	4130	0000	00000		1431	LA	R3,0	ZERO R3	
0005B4	5030	93EC	003EC		1432	ST	R3,CAMLIST	... FW1 of CAMLIST	
0005B8	9244	93EC	003EC		1433	MVI	CAMLIST,X'44'	Indicate NAME option	
0005BC	4130	93C0	003C0		1434	LA	R3,CAMDSN	Addr of DSN	
0005C0	5030	93F0	003F0		1435	ST	R3,CAMLIST+4	... FW2 of CAMLIST	
0005C4	4130	0000	00000		1436	LA	R3,0	ZERO R3	
0005C8	5030	93F4	003F4		1437	ST	R3,CAMLIST+8	... FW3 of CAMLIST	
0005CC	4130	9400	00400		1438	LA	R3,LOCATEA	Addr of LOCATEA	
0005D0	5030	93F8	003F8		1439	ST	R3,CAMLIST+12	... FW4 of CAMLIST	
					1440	*			
					1441		LOCATE CAMLIST	Search for DSN via catalog	
0005DA	12FF				1444	LTR	R15,R15	Found DSN?	
0005DC	4780	A61C	0061C		1445	BZ	DSNFOUND	YES, branch to DSNFOUND	
					1446	*		NO, dataset not on catalog	
0005E0	92D5	9254	00254		1447	MVI	DDSCAT,C'N'	Dataset catalogued NO	
0005E4	95E8	93A8	003A8		1448	CLI	PVOL,C'Y'	Volume parm specified?	
0005E8	4780	A6EC	006EC		1449	BE	DSCBF1	YES, attempt fetch per given VOL	
					1450	*		NO. Error DSN not found in catlg	
0005EC	D21F	90BA	C95E	000BA	0295E	1451	MVC	DJMSG(L'MSGJ020),MSGJ020	Move to &SYSLISTDSJMSG
0005F2	4EF0	9330	00330		1452	CVD	R15,DW	Convert to decimal	
0005F6	F321	90BD	9336	000BD	00336	1453	UNPK	DJMSG+3(3),DW+6(2)	Unpack and
0005FC	96F0	90BF	000BF		1454	OI	DJMSG+5,X'F0'	... force and F zone	
000600	D207	90C1	C020	000C1	02020	1455	MVC	DJMSG+07(8),=C'LOCATE '	
000606	D201	911E	C0C8	0011E	020C8	1456	MVC	DRSNCODE,=C'05'	Dataset not catalogued
00060C	D203	933C	C068	0033C	02068	1457	MVC	RCEXIT,=F'16'	
000612	D201	936A	C0CA	0036A	020CA	1458	MVC	RC,=C'16'	
000618	47F0	B438	01438		1459	B	ENDME	Done, exit.	
					1460	*			
			0061C		1461	DSNFOUND	EQU *		
00061C	92E8	9254	00254		1462	MVI	DDSCAT,C'Y'	Dataset catalogued YES	
000620	D205	9255	9406	00255	00406	1463	MVC	DDSCATV,LOCAVSR	Dataset catalogued VOLUME
000626	D22B	908E	93C0	0008E	003C0	1464	MVC	DDSN,CAMDSN	Dataset name from catalog
					1465	*			

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					1467	*	*/*****	*/
					1468	*	/* Number of Volumes for this dataset name	*/
					1469	*	/* #Data source: 40 SYSNUMVOLS	*/
					1470	*	/* - R5 Working Register	*/
					1471	*	*/*****	*/
			0062C		1472	NUMVOL	EQU *	
00062C	D703	9338	9338	00338	00338	1473	XC FW,FW	Clear contents
000632	D201	933A	9400	0033A	00400	1474	MVC FW+2(2),LOCA#VOL	Get Number of Volumes
000638	5850	9338		00338		1475	L R5,FW	... and convert
00063C	4E50	9330		00330		1476	CVD R5,DW	... to decimal
000640	F321	9206	9336	00206	00336	1477	UNPK DNUMVOL,DW+6(2)	Unpack and
000646	96F0	9208		00208		1478	OI DNUMVOL+2,X'F0'	... force and F zone
			0064A		1479	NUMVOLXT	EQU *	
					1480	*	*/*****	*/
					1481	*	/* Volume list for multivolume datasets	*/
					1482	*	/* #Data source: 45 SYSVOLUMES	*/
					1483	*	/* Limited by DVOLLST# and DVOLLST	*/
					1484	*	/* - R5 contains number of volumes from NUMVOL above	*/
					1485	*	/* - R3, R4, R5, R6 Working Register	*/
					1486	*	/* - R3, R4, R5, R6 Working Register	*/
					1487	*	*/*****	*/
00064A	9240	9265		00265		1488	MVI DVOLLST,C' '	Clear DVOLLST
00064E	D221	9266	9265	00266	00265	1489	MVC DVOLLST+1(L'DVOLLST-1),DVOLLST	
000654	4130	9265		00265		1490	LA R3,DVOLLST	R3=addr of DVOLLST
000658	4140	9406		00406		1491	LA R4,LOCAVSER	R4=addr of LOCATEA VOLSER
00065C	4160	0005		00005		1492	LA R6,DVOLLST#	R6=max DVOLLST volumes
000660	1956					1493	CR R5,R6	R5>=R6?
000662	4780	A66C		0066C		1494	BE VOLLST	NO, branch to VOLLST
000666	4740	A66C		0066C		1495	BL VOLLST	NO, branch to VOLLST
00066A	1856					1496	LR R5,R6	YES. Init R5 to R6
			0066C		1497	VOLLST	EQU *	
00066C	D205	3000	4000	00000	00000	1498	MVC 0(6,R3),0(R4)	Move VOLUME to list
000672	4144	000C		0000C		1499	LA R4,LOCAVLLN(R4)	Point to next VOLUME
000676	4133	0007		00007		1500	LA R3,7(R3)	Point to next Vol List
00067A	4650	A66C		0066C		1501	BCT R5,VOLLST	Do R5 times
			0067E		1502	VOLLSTXT	EQU *	
					1503	*	*/*****	*/

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					1505	*	/* ***** */	
					1506	*	/* Check for multiple volumes and DASD device */	
					1507	*	/* #Data source: 21 SYSVOLUME (1 of 02) */	
					1508	*	/* -ReasonCode 19 Data set on multiple volumes */	
					1509	*	/* -ReasonCode 26 Data set on MSS (Mass Storage) device */	
					1510	*	/* ***** */	
				0067E	1511	CHKVOLS	EQU *	Check for MULTI volumes
00067E	D501	9400	C0CC	00400	020CC	1512	CLC	LOCA#VOL,=X'0001' Volumes = 1?
000684	4780	A6A8		006A8		1513	BE	SINGLVOL
000688	D501	9400	C0CE	00400	020CE	1514	CLC	LOCA#VOL,=X'0000' Volumes = 0?
00068E	4780	A6D6		006D6		1515	BE	DSERR
				00692	1516	MULTIVOL	EQU *	
000692	D201	911E	C0D0	0011E	020D0	1517	MVC	DRSNCODE,=C'19' Dataset is on mutilple volumes
000698	D203	933C	C068	0033C	02068	1518	MVC	RCEXIT,=F'16'
00069E	D201	936A	C0CA	0036A	020CA	1519	MVC	RC,=C'16'
0006A4	47F0	B438		01438		1520	B	ENDME Done, exit.
				006A8	1521	SINGLVOL	EQU *	
0006A8	D205	9170	9406	00170	00406	1522	MVC	DVOLSER,LOCAVSER LOAD VOLSER FROM CAMLST WORKAREA
0006AE	D205	93BA	9170	003BA	00170	1523	MVC	OBTVOL(6),DVOLSER MOVE VOLSER TO OBTVOL
0006B4	9580	9404		00404		1524	CLI	LOCADEV, X'80' Dataset on Tape?
0006B8	4780	A6C0		006C0		1525	BE	ONTAPE YES.
				006BC	1526	ONDASD	EQU *	NO, DASD entry
0006BC	47F0	A6EC		006EC		1527	B	CHKVOLSX
				006C0	1528	ONTAPE	EQU *	
0006C0	D201	911E	C0D2	0011E	020D2	1529	MVC	DRSNCODE,=C'26' Dataset is on MSS device
0006C6	D203	933C	C068	0033C	02068	1530	MVC	RCEXIT,=F'16'
0006CC	D201	936A	C0CA	0036A	020CA	1531	MVC	RC,=C'16'
0006D2	47F0	B438		01438		1532	B	ENDME Done, exit.
				006D6	1533	DSERR	EQU *	
0006D6	D201	911E	C0D4	0011E	020D4	1534	MVC	DRSNCODE,=C'06' Error obtaining dataset
0006DC	D203	933C	C068	0033C	02068	1535	MVC	RCEXIT,=F'16'
0006E2	D201	936A	C0CA	0036A	020CA	1536	MVC	RC,=C'16'
0006E8	47F0	B438		01438		1537	B	ENDME Done, exit.
				006EC	1538	CHKVOLSX	EQU *	
					1539	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					1541	*	*/*****	*/
					1542	*	/* Get Format-1 IDENTIFIER DATA SET CONTROL BLOCK	*/
					1543	*	/* #Data source: 00 SYSDSNAME (1 of 02)	*/
					1544	*	/* #Data source: 21 SYSVOLUME (2 of 02)	*/
					1545	*	/* -ReasonCode 21 Catalog error locating dataset	*/
					1546	*	/* -ReasonCode 22 Volume not mounted	*/
					1547	*	/* -JMSG'RC=xxx DSCB-Fx CAMLST SEARCH error'	*/
					1548	*	/* - R3 Working Register	*/
					1549	*	/* - R15 Working Register and RC exit code register	*/
					1550	*	*/*****	*/
				006EC	1551	DSCBF1	EQU *	
0006EC	95E8	93A8	003A8		1552		CLI PVOL,C'Y'	Volume specified?
0006F0	4770	A706	00706		1553		BNE DSCBF1A	NO, branch to fetch format-1 DSCB
					1554	*		YES.
0006F4	D202	9206	C122	00206	02122	1555	MVC DNUMVOL,=C'001'	Number of volumes = 1
0006FA	D205	93BA	93A2	003BA	003A2	1556	MVC OBTVOL,PVOLSER	Override OBTVOL per given VOL
000700	D205	9170	93A2	00170	003A2	1557	MVC DVOLSER,PVOLSER	LOAD VOLSER FROM given VOL
				00706	1558	DSCBF1A	EQU *	
000706	4130	0000	00000		1559		LA R3,0	ZERO R3
00070A	5030	93EC	003EC		1560		ST R3,CAMLST	... FW1 of CAMLIST
00070E	92C1	93EC	003EC		1561		MVI CAMLIST,X'C1'	Request SEARCH
000712	4130	93C0	003C0		1562		LA R3,CAMDSN	Addr of DSN
000716	5030	93F0	003F0		1563		ST R3,CAMLST+4	... FW2 of CAMLIST
00071A	4130	93BA	003BA		1564		LA R3,OBTVOL	Addr of OBTVOL
00071E	5030	93F4	003F4		1565		ST R3,CAMLST+8	... FW3 of CAMLIST
000722	4130	9510	00510		1566		LA R3,OBTAINA	Addr of OBTAINA
000726	5030	93F8	003F8		1567		ST R3,CAMLST+12	... FW4 of CAMPLIST
					1568	*		
					1569		OBTAIN CAMLIST	Get F1 DSCB
000730	12FF				1572		LTR R15,R15	Successful?
000732	4780	A754	00754		1573		BZ OBTR00	YES.
					1574	*		NO.
000736	D221	90BA	C97E	000BA	0297E	1575	MVC DJMSG(L'MSGJ021),MSGJ021	Move to &SYSLISTDSJMSG
00073C	4EF0	9330	00330		1576		CVD R15,DW	Convert to decimal
000740	F321	90BD	9336	000BD	00336	1577	UNPK DJMSG+3(3),DW+6(2)	Unpack and
000746	96F0	90BF	000BF		1578		OI DJMSG+5,X'F0'	... force and F zone
00074A	D200	90C7	C125	000C7	02125	1579	MVC DJMSG+13(1),=C'1'	Mark as F1 request on err msg
					1580	*		
000750	47F0	B50E	0150E		1581		B CAMRCERR	
				00754	1582	OBTR00	EQU *	
000754	D22B	908E	93C0	0008E	003C0	1583	MVC DDSN,CAMDSN	Dataset name from F1
00075A	D205	9170	93BA	00170	003BA	1584	MVC DVOLSER,OBTVOL	Save VOLUME
					1585	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19	
					1587	*	/* *****	*/	
					1588	*	/* Get Format-2 ISAM DATA SET CONTROL BLOCK	*/	
					1589	*	/* -JMSG'RC=xxx DSCB-Fx CAMLST SEEK error'	*/	
					1590	*	/* - R3 Working Register	*/	
					1591	*	/* - R15 Working Register and RC exit code register	*/	
					1592	*	/* *****	*/	
			00760		1593	DSCBF2	EQU *		
000760	9180	9536	00536		1594	TM	DS1DSORG,X'80'	ISAM ?	
000764	47E0	A7BA	007BA		1595	BN0	DSCBF3	NO, bypass DSCB-F2 and get DSCB-F3	
000768	4130	0000	00000		1596	LA	R3,0	ZERO R3	
00076C	5030	93EC	003EC		1597	ST	R3,CAMLST	... FW1 of CAMLIST	
000770	92C0	93EC	003EC		1598	MVI	CAMLST,X'C0'	Request SEEK	
000774	9280	93ED	003ED		1599	MVI	CAMLST+1,X'80'		
000778	4130	956B	0056B		1600	LA	R3,DS1PTRDS	CCHHR OF FORMAT 2 DSCB	
00077C	5030	93F0	003F0		1601	ST	R3,CAMLST+4	... FW2 of CAMLIST	
000780	4130	93BA	003BA		1602	LA	R3,OBTVOL	Addr of OBTVOL	
000784	5030	93F4	003F4		1603	ST	R3,CAMLST+8	... FW3 of CAMLIST	
000788	4130	9570	00570		1604	LA	R3,IECSDSF2	Addr of FORMAT 2 DSCB	
00078C	5030	93F8	003F8		1605	ST	R3,CAMLST+12	... FW4 of CAMLIST	
					1606	*			
					1607		OBTAIN CAMLIST	Get F2 DSCB (Extents)	
000796	12FF				1610	LTR	R15,R15	Successful?	
000798	4780	A7BA	007BA		1611	BZ	DSCBF2X	YES.	
					1612	*		NO.	
00079C	D21F	90BA	C9A0	000BA	029A0	1613	MVC	DJMSG(L'MSGJ022),MSGJ022	Move to &SYSLISTDSJMSG
0007A2	4EF0	9330	00330		1614	CVD	R15,DW	Convert to decimal	
0007A6	F321	90BD	9336	000BD	00336	1615	UNPK	DJMSG+3(3),DW+6(2)	Unpack and
0007AC	96F0	90BF	000BF		1616	OI	DJMSG+5,X'F0'	... force and F zone	
0007B0	D200	90C7	C126	000C7	02126	1617	MVC	DJMSG+13(1),=C'2'	Mark as F2 request on err msg
					1618	*			
0007B6	47F0	B50E	0150E		1619	B	CAMRCERR		
			007BA		1620	DSCBF2X	EQU *		
					1621	*			

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					1623	*	/* ***** */	
					1624	*	/* Get Format-3 EXTENSION DATA SET CONTROL BLOCK */	
					1625	*	/* -JMSG'RC=xxx DSCB-Fx CAMLIST SEEK error' */	
					1626	*	/* - R3 Working Register */	
					1627	*	/* - R15 Working Register and RC exit code register */	
					1628	*	/* ***** */	
			007BA		1629	DSCBF3	EQU *	
0007BA	9503	951F	0051F		1630		CLI DS1NOEPV,3	Dataset > 3 Extents?
0007BE	47D0	A820	00820		1631		BNH DSCBF3X	NO. F3 DSCB not needed!
0007C2	4130	0000	00000		1632		LA R3,0	ZERO R3
0007C6	5030	93EC	003EC		1633		ST R3,CAMLIST	... FW1 of CAMLIST
0007CA	92C0	93EC	003EC		1634		MVI CAMLIST,X'C0'	Request SEEK
0007CE	9280	93ED	003ED		1635		MVI CAMLIST+1,X'80'	
0007D2	4130	956B	0056B		1636		LA R3,DS1PTRDS	CCHHR OF FORMAT 3 DSCB
0007D6	9180	9536	00536		1637		TM DS1DSORG,X'80'	ISAM ?
0007DA	47E0	A7E2	007E2		1638		BN0 *+8	NO.
0007DE	4130	95F7	005F7		1639		LA R3,DS2PTRDS	CCHHR OF FORMAT 3 DSCB
0007E2	5030	93F0	003F0		1640		ST R3,CAMLIST+4	... FW2 of CAMLIST
0007E6	4130	93BA	003BA		1641		LA R3,OBTVOL	Addr of OBTVOL
0007EA	5030	93F4	003F4		1642		ST R3,CAMLIST+8	... FW3 of CAMLIST
0007EE	4130	95FC	005FC		1643		LA R3,IECSDSF3	Addr of FORMAT 3 DSCB
0007F2	5030	93F8	003F8		1644		ST R3,CAMLIST+12	... FW4 of CAMLIST
					1645	*		
					1646		OBTAIN CAMLIST	Get F3 DSCB (Extents)
0007FC	12FF				1649		LTR R15,R15	Successful?
0007FE	4780	A820	00820		1650		BZ DSCBF3X	YES.
					1651	*		NO.
000802	D21F	90BA	C9A0	000BA	029A0	1652	MVC DJMSG(L'MSGJ022),MSGJ022	Move to &SYSLISTDSJMSG
000808	4EF0	9330	00330		1653		CVD R15,DW	Convert to decimal
00080C	F321	90BD	9336	000BD	00336	1654	UNPK DJMSG+3(3),DW+6(2)	Unpack and
000812	96F0	90BF	000BF		1655		OI DJMSG+5,X'F0'	... force and F zone
000816	D200	90C7	C127	000C7	02127	1656	MVC DJMSG+13(1),=C'3'	Mark as F3 request on err msg
					1657	*		
00081C	47F0	B50E	0150E		1658		B CAMRCERR	
			00820		1659	DSCBF3X	EQU *	
					1660	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19	
					1662	*	/* *****/		
					1663	*	/* Get Format-4 DSCB for VOLUME device characterics	*/	
					1664	*	/* -JMSG'RC=xxx DSCB-Fx CAMLST NAME error'	*/	
					1665	*	/* - R3 Working Register	*/	
					1666	*	/* - R15 Working Register and RC exit code register	*/	
					1667	*	/* *****/		
			00820		1668	DSCBF4	EQU *		
000820	9204	93C0	003C0		1669	MVI	CAMDSN,X'04'	Set to F4 DSCB	
000824	D22A	93C1	93C0	003C1	1670	MVC	CAMDSN+1(L'CAMDSN-1),CAMDSN		
					1671	*			
00082A	4130	0000	00000		1672	LA	R3,0	ZERO R3	
00082E	5030	93EC	003EC		1673	ST	R3,CAMLST	... FW1 of CAMLIST	
000832	92C1	93EC	003EC		1674	MVI	CAMLST,X'C1'	INDICATE NAME OPTION	
000836	4130	93C0	003C0		1675	LA	R3,CAMDSN	Addr of DSN	
00083A	5030	93F0	003F0		1676	ST	R3,CAMLST+4	... FW2 of CAMLIST	
00083E	4130	93BA	003BA		1677	LA	R3,OBTVOL	Addr of OBTVOL	
000842	5030	93F4	003F4		1678	ST	R3,CAMLST+8	... FW3 of CAMLIST	
000846	4130	9688	00688		1679	LA	R3,IECSDSF4	Addr of FORMAT 4 DSCB	
00084A	5030	93F8	003F8		1680	ST	R3,CAMLST+12	... FW4 of CAMPLIST	
					1681	*			
					1682		OBTAIN CAMLIST	Get F4 DSCB (Volume Info)	
000854	12FF				1685	LTR	R15,R15	Successful?	
000856	4780	A878	00878		1686	BZ	DSCBF4X	YES.	
					1687	*		NO.	
00085A	D21F	90BA	C95E	000BA	0295E	1688	MVC	DJMSG(L'MSGJ020),MSGJ020	Move to &SYSLISTDSJMSG
000860	4EF0	9330	00330		1689	CVD	R15,DW	Convert to decimal	
000864	F321	90BD	9336	000BD	00336	1690	UNPK	DJMSG+3(3),DW+6(2)	Unpack and
00086A	96F0	90BF	000BF		1691	OI	DJMSG+5,X'F0'	... force and F zone	
00086E	D200	90C7	C128	000C7	02128	1692	MVC	DJMSG+13(1),=C'4'	Mark as F4 request on err msg
					1693	*			
000874	47F0	B50E	0150E		1694	B	CAMRCERR		
			00878		1695	DSCBF4X	EQU *		
					1696	*			

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					1698	*	*/*****				
					1699	*	/* Cylinders for Volume	from format-4	DSCB	*/	
					1700	*	/* #Data source: 29 SYSCYLVOL			*/	
					1701	*	/* - R3 Working Register			*/	
					1702	*	*/*****				
000878	4830	969A	0069A		1703		LH R3,DS4DEVSZ	Cylinders for volume			
00087C	5030	9350	00350		1704		ST R3,CYL4VOL				
000880	4E30	9330	00330		1705		CVD R3,DW	Convert to decimal			
000884	F342	9227	9335 00227	00335	1706		UNPK DCYL4VOL(5),DW+5(3)	Unpack and			
00088A	96F0	922B	0022B		1707		OI DCYL4VOL+4,X'F0'	... force and F zone			
					1708	*	*/*****				
					1709	*	/* Tracks per Cylinder for Volume	from format-4	DSCB	*/	
					1710	*	/* #Data source: 30 SYSTRKSCYL			*/	
					1711	*	/* - R3 Working Register			*/	
					1712	*	*/*****				
					1713	*	*/*****				
00088E	4830	969C	0069C		1714		LH R3,DS4DEVSZ+2	Tracks/Cylinder			
000892	5030	9340	00340		1715		ST R3,TRKSCYL				
000896	4E30	9330	00330		1716		CVD R3,DW	Convert to decimal			
00089A	F342	9218	9335 00218	00335	1717		UNPK DTRKSCYL(5),DW+5(3)	Unpack and			
0008A0	96F0	921C	0021C		1718		OI DTRKSCYL+4,X'F0'	... force and F zone			
					1719	*	*/*****				
					1720	*	/* Track Length for volume	from format-4	DSCB	*/	
					1721	*	/* #Data source: 34 SYSTRKLEN			*/	
					1722	*	/* - R3 Working Register			*/	
					1723	*	*/*****				
					1724	*	*/*****				
0008A4	4830	969E	0069E		1725		LH R3,DS4DEVTK	Track Length			
0008A8	5030	9344	00344		1726		ST R3,TRKLEN				
0008AC	4E30	9330	00330		1727		CVD R3,DW	Convert to decimal			
0008B0	F342	921D	9335 0021D	00335	1728		UNPK DTRKLEN(5),DW+5(3)	Unpack and			
0008B6	96F0	9221	00221		1729		OI DTRKLEN+4,X'F0'	... force and F zone			
					1730	*					

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM
					1732	*	*/*****	0201 23.53 10/02/19
					1733	*	/* Capacity for volume =	
					1734	*	/* Cylinders for Volume * Tracks per Cylinder *	
					1735	*	/* Track Length	
					1736	*	/* #Data source: 35 SYSUNITCAP	
					1737	*	/* - R2, R3 Working Registers	
					1738	*	*/*****	
0008BA	5830	9350	00350		1739		L R3,CYL4VOL R3=CYLS for volume	
0008BE	5C20	9340	00340		1740		M R2,TRKSCYL (R2,R3)=CYL4VOL*TRKSCYL	
					1741	*	R3 tracks for volume	
0008C2	5C20	9344	00344		1742		M R2,TRKLEN (R2,R3)=R3*TRKLEN	
0008C6	4E30	9330	00330		1743		CVD R3,DW Convert to decimal	
0008CA	F3E7	922C	9330 0022C	00330	1744		UNPK DUNITCAP,DW Unpack and	
0008D0	96F0	923A	0023A		1745		OI DUNITCAP+14,X'F0' ... force and F zone	
					1746	*	*	
					1747	*	*/*****	
					1748	*	/* Blocks per Track =	
					1749	*	/* Track Length / Blocksize	
					1750	*	/* #Data source: 36 SYSBLKSTRK	
					1751	*	/* - R2, R3 Working Registers	
					1752	*	*/*****	
0008D4	1B33				1753		SR R3,R3 Zero R3	
0008D6	D501	953A	C0D6 0053A	020D6	1754		CLC DS1BLKL,=H'0' Is BLOCKSIZE 0?	
0008DC	4780	A8F8	008F8		1755		BE BLKTRKC YES, BLKTRKC is 0	
0008E0	5830	9344	00344		1756		L R3,TRKLEN NO, compute BLKTRKC	
0008E4	5C20	C070	02070		1757		M R2,=F'1'	
0008E8	D703	9338	9338 00338	00338	1758		XC FW,FW Clear FW	
0008EE	D201	933A	953A 0033A	0053A	1759		MVC FW+2(2),DS1BLKL Move BLOCKSIZE	
0008F4	5D20	9338	00338		1760		D R2,FW TrackLength/Blocksize	
				008F8	1761	BLKTRKC	EQU *	
0008F8	4E30	9330	00330		1762		CVD R3,DW Convert to decimal	
0008FC	F342	9222	9335 00222	00335	1763		UNPK DBLKTRK(5),DW+5(3) Unpack and	
000902	96F0	9226	00226		1764		OI DBLKTRK+4,X'F0' ... force and F zone	
000906	5030	935C	0035C		1765		ST R3,BLKSPTRK Store blocks per track	
					1766	*	*	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					1768	*	/* ***** */	
					1769	*	/* Total Space Allocation	*/
					1770	*	/* - Sum extents; 3 F1, 4 F3, 9 F3	*/
					1771	*	/* - R1, R2, R3, R4, R5, R7 Working Registers	*/
					1772	*	/* ***** */	
				0090A	1773	SUMEXT	EQU *	
00090A	9500	951F	0051F		1774		CLI DS1NOEPV,0	Extents to process?
00090E	4780	A972	00972		1775		BE SUMEXTXT	NO. Zero.
000912	1B22				1776		SR R2,R2	Zero, R2 = TRK Counter (HH)
000914	1B33				1777		SR R3,R3	Zero, R3 = CYL Counter (CC)
					1778	*	/* ----- */	
					1779	*	/* Sum- 1st 3 extents in F1 DSCB	*/
					1780	*	/* ----- */	
000916	4140	954D	0054D		1781		LA R4,DS1EXT1	Addr of 1st extent (F1)
00091A	4150	0003	00003		1782		LA R5,3	3 times...
				0091E	1783	EXTF1	EQU *	
00091E	9500	4000	00000		1784		CLI 0(R4),X'00'	Extent slot null?
000922	4780	A972	00972		1785		BE SUMEXTXT	YES, Done.
000926	4570	B85C	0185C		1786		BAL R7,TOTEXTS	Sum extents
00092A	4144	000A	0000A		1787		LA R4,10(R4)	Point to next extent
00092E	4650	A91E	0091E		1788		BCT R5,EXTF1	
					1789	*	/* ----- */	
					1790	*	/* Sum- Count F3 DSCB extents?	*/
					1791	*	/* ----- */	
000932	9503	951F	0051F		1792		CLI DS1NOEPV,3	Dataset > 3 Extents?
000936	47D0	A972	00972		1793		BNH SUMEXTXT	NO. Done...
					1794	*	/* ----- */	
					1795	*	/* Sum- 4 extents in F3 DSCB	*/
					1796	*	/* ----- */	
00093A	4140	9600	00600		1797		LA R4,DS3EXTNT	Addr of 1st extent (F3)
00093E	4150	0004	00004		1798		LA R5,4	4 times...
				00942	1799	EXTF3	EQU *	
000942	9500	4000	00000		1800		CLI 0(R4),X'00'	Extent slot null?
000946	4780	A972	00972		1801		BE SUMEXTXT	YES, Done.
00094A	4570	B85C	0185C		1802		BAL R7,TOTEXTS	Sum extents
00094E	4144	000A	0000A		1803		LA R4,10(R4)	Point to next extent
000952	4650	A942	00942		1804		BCT R5,EXTF3	
					1805	*	/* ----- */	
					1806	*	/* Sum- last 9 extents in F3 DSCB	*/
					1807	*	/* ----- */	
000956	4140	9629	00629		1808		LA R4,DS3ADEXT	Addr of 1st extent (F3)
00095A	4150	0009	00009		1809		LA R5,9	9 times...
				0095E	1810	EXTF3B	EQU *	
00095E	9500	4000	00000		1811		CLI 0(R4),X'00'	Extent slot null?
000962	4780	A972	00972		1812		BE SUMEXTXT	YES, Done.
000966	4570	B85C	0185C		1813		BAL R7,TOTEXTS	Sum extents
00096A	4144	000A	0000A		1814		LA R4,10(R4)	Point to next extent
00096E	4650	A95E	0095E		1815		BCT R5,EXTF3B	
					1816	*		
				00972	1817	SUMEXTXT	EQU *	
					1818	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					1820	*	* /*-----*/				
					1821	*	* /* TOTALS R2=TRKS, R3=CYL				
					1822	*	* /*-----*/				
000972	1812				1823		LR R1,R2 R1=TRKS accumulated				
000974	5C20	9340	00340		1824		M R2,TRKSCYL CYL to TRKS (R2,R3)				
000978	1A31				1825		AR R3,R1 R3=Total TRKS allocated				
					1826	*	*				
					1827	*	* /*-----*/				
					1828	*	* /* Total Allocated Tracks				
					1829	*	* /* #Data source: 26 SYSTRKSALLOC				
					1830	*	* /*-----*/				
00097A	4E30	9330	00330		1831		CVD R3,DW Convert to decimal				
00097E	F342	9209	9335	00209	00335	1832	UNPK DTRKSAL(5),DW+5(3) Unpack and				
000984	96F0	920D		0020D		1833	OI DTRKSAL+4,X'F0' ... force and F zone				
000988	5030	9348		00348		1834	ST R3,TRKSTOTA Store tot alloc tracks				
					1835	*	*				
					1836	*	* /*-----*/				
					1837	*	* /* Total Allocated Cylinders				
					1838	*	* /*-----*/				
00098C	1813				1839		LR R1,R3 R1=Total Allocated Tracks				
00098E	5D20	9340	00340		1840		D R2,TRKSCYL Revise CYL and TRK (R2,R3)				
000992	5030	9354	00354		1841		ST R3,CYLSTOTA Store tot alloc cys				
					1842	*	*				
					1843	*	* /*-----*/				
					1844	*	* /* TOTALS: R2=TRKS, R3=CYL				
					1845	*	* /*-----*/				
					1846	*					

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					1848	*	/* *****	
					1849	*	/* Space Used in Tracks for PS and PO Organization	*/
					1850	*	/* - R1, R2 Working Registers	*/
					1851	*	/* *****	*/
				00996	1852	SPCUSED	EQU *	
000996	9140	9536	00536		1853	TM	DS1DSORG,X'40'	PS SEQ Dataset ?
00099A	4710	A9B0	009B0		1854	BO	SPCUSEDX	YES, continue.
00099E	9102	9536	00536		1855	TM	DS1DSORG,X'02'	PO PDS Dataset ?
0009A2	4710	A9B0	009B0		1856	BO	SPCUSEDX	YES, continue.
0009A6	D703	934C	934C 0034C	0034C	1857	XC	TTRKUSED,TTRKUSED	Clear Total Used Tracks
0009AC	47F0	A9E4	009E4		1858	B	SPCUSEDX	NO, Exit.
				009B0	1859	SPCUSEDX	EQU *	
0009B0	1B22				1860	SR	R2,R2	R2=Total Tracks Used
0009B2	BF23	9546	00546		1861	ICM	R2,B'0011',DS1LSTAR	Last Block Written TT of TTR
0009B6	9500	9548	00548		1862	CLI	DS1LSTAR+2,0	Portion of track used? R of TTR
0009BA	4780	A9C2	009C2		1863	BE	TOTUSED	NO.
0009BE	4122	0001	00001		1864	LA	R2,1(R2)	YES, add 1 to tracks
					1865	*	/* *****	*/
					1866	*	/* Total Used Tracks	*/
					1867	*	/* #Data source: 24 SYSTRKSUSED	*/
					1868	*	/* *****	*/
				009C2	1869	TOTUSED	EQU *	
0009C2	5020	934C	0034C		1870	ST	R2,TTRKUSED	Store total tracks used
0009C6	4E20	9330	00330		1871	CVD	R2,DW	Convert to decmial
0009CA	F342	920E	9335 0020E	00335	1872	UNPK	DTRKSUS(5),DW+5(3)	Unpack and
0009D0	96F0	9212	00212		1873	OI	DTRKSUS+4,X'F0'	... force and F zone
					1874			
					1875	*	/* *****	*/
					1876	*	/* Total Unused Tracks	*/
					1877	*	/* #Data source: 28 SYSTRKSUNUSED	*/
					1878	*	/* *****	*/
				009D4	1879	TOTUSED	EQU *	
0009D4	1B12				1880	SR	R1,R2	R1=Unused tracks
0009D6	4E10	9330	00330		1881	CVD	R1,DW	Convert to decmial
0009DA	F342	9213	9335 00213	00335	1882	UNPK	DTRKSUUS(5),DW+5(3)	Unpack and
0009E0	96F0	9217	00217		1883	OI	DTRKSUUS+4,X'F0'	... force and F zone
				009E4	1884	SPCUSEDX	EQU *	
					1885	*		
					1886			

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					1888	*	/* ***** */	
					1889	*	/* Logical Record Length	*/
					1890	*	/* #Data source: 10 SYSLRECL	*/
					1891	*	/* - R3 Working Register	*/
					1892	*	/* ***** */	
			009E4		1893	LRECL	EQU *	
0009E4	D703	9338	9338	00338	00338	1894	XC FW,FW	Clear contents
0009EA	D201	933A	953C	0033A	0053C	1895	MVC FW+2(2),DS1LRECL	Get LRECL
0009F0	5830	9338		00338		1896	L R3,FW	... and convert
0009F4	4E30	9330		00330		1897	CVD R3,DW	... to decimal
0009F8	F342	9176	9335	00176	00335	1898	UNPK DLRECL(5),DW+5(3)	Unpack and
0009FE	96F0	917A		0017A		1899	OI DLRECL+4,X'F0'	... force and F zone
			00A02		1900	LRECLXT	EQU *	
					1901	*	/* ***** */	
					1902	*	/* Blocksize	*/
					1903	*	/* #Data source: 11 SYSBLKSIZE	*/
					1904	*	/* - R3 Working Register	*/
					1905	*	/* ***** */	
			00A02		1906	*	/* ***** */	
					1907	BLKSIZ	EQU *	
000A02	D703	9338	9338	00338	00338	1908	XC FW,FW	Clear contents
000A08	D201	933A	953A	0033A	0053A	1909	MVC FW+2(2),DS1BLKL	Get BLKSIZE
000A0E	5830	9338		00338		1910	L R3,FW	... and convert
000A12	4E30	9330		00330		1911	CVD R3,DW	... to decimal
000A16	F342	917B	9335	0017B	00335	1912	UNPK DBLKSZ(5),DW+5(3)	Unpack and
000A1C	96F0	917F		0017F		1913	OI DBLKSZ+4,X'F0'	... force and F zone
			00A20		1914	BLKSIZXT	EQU *	
					1915	*	/* ***** */	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					1917	*	/* ***** */				
					1918	*	/* Keylength				
					1919	*	/* #Data source: 12 SYSKEYLEN				
					1920	*	/* - R3 Working Register				
					1921	*	/* ***** */				
				00A20	1922	KEYL	EQU *				
000A20	D703	9338	9338	00338	00338	1923	XC FW,FW	Clear contents			
000A26	D200	933B	953E	0033B	0053E	1924	MVC FW+3(1),DS1KEYL	Get KEY LENGTH			
000A2C	5830	9338		00338		1925	L R3,FW	... and convert			
000A30	4E30	9330		00330		1926	CVD R3,DW	... to decimal			
000A34	F321	91CD	9336	001CD	00336	1927	UNPK DKEYL(3),DW+6(2)	Unpack and			
000A3A	96F0	91CF		001CF		1928	OI DKEYL+2,X'F0'	... force and F zone			
				00A3E	1929	KEYLXT	EQU *				
					1930	*	/* ***** */				
					1931	*	/* Relative Key Position				
					1932	*	/* #Data source: 13 SYSKEYPOS				
					1933	*	/* - R3 Working Register				
					1934	*	/* ***** */				
				00A3E	1935	*	/* ***** */				
					1936	RKP	EQU *				
000A3E	D703	9338	9338	00338	00338	1937	XC FW,FW	Clear contents			
000A44	D201	933A	953F	0033A	0053F	1938	MVC FW+2(2),DS1RKP	Get RELATIVE KEY POSITION			
000A4A	5830	9338		00338		1939	L R3,FW	... and convert			
000A4E	4E30	9330		00330		1940	CVD R3,DW	... to decimal			
000A52	F342	91D0	9335	001D0	00335	1941	UNPK DRKP(5),DW+5(3)	Unpack and			
000A58	96F0	91D4		001D4		1942	OI DRKP+4,X'F0'	... force and F zone			
				00A5C	1943	RKPXT	EQU *				
					1944	*	/* ***** */				
					1945	*	/* Extents Allocated				
					1946	*	/* #Data source: 25 SYSEXTENTS				
					1947	*	/* - R3 Working Register				
					1948	*	/* ***** */				
				00A5C	1949	*	/* ***** */				
					1950	EXTS	EQU *				
000A5C	D703	9338	9338	00338	00338	1951	XC FW,FW	Clear contents			
000A62	D200	933B	951F	0033B	0051F	1952	MVC FW+3(1),DS1N0EPV	Get ALLOCATED EXTENTS			
000A68	5830	9338		00338		1953	L R3,FW	... and convert			
000A6C	4E30	9330		00330		1954	CVD R3,DW	... to decimal			
000A70	F321	9203	9336	00203	00336	1955	UNPK DEXTS(3),DW+6(2)	Unpack and			
000A76	96F0	9205		00205		1956	OI DEXTS+2,X'F0'	... force and F zone			
				00A7A	1957	EXTSXT	EQU *				
					1958	*	/* ***** */				

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					1960	*	*/*****				
					1961	*	/* Dataset Organization				
					1962	*	/* #Data source: 08 SYSDSORG				
					1963	*	/* -JMSG'DSORG Type xxx not defined in table'				
					1964	*	/* - R2, R3, R4, R5 Working Registers				
					1965	*	*/*****				
				00A7A	1966	DSORG	EQU *				
000A7A	4130	AAE8	00AE8		1967		LA R3,TBLDSOB	Address of TBL			
000A7E	4140	0005	00005		1968		LA R4,TBLDSOE	Number of tbl entries			
000A82	1B55				1969		SR R5,R5	Clear R5			
				00A84	1970	DSORGLP	EQU *				
000A84	4120	9536	00536		1971		LA R2,DS1DSORG	Address of DSORG			
000A88	4A23	0000	00000		1972		AH R2,0(R3)	Adj Addr of DSORG			
000A8C	BF51	3002	00002		1973		ICM R5,B'0001',2(R3)	Load DSORG bit pattern			
000A90	4450	AAE4	00AE4		1974		EX R5,TMDSORG	Execute TM			
000A94	4710	AACE	00ACE		1975		BO DS0#FND	Found DSORG Type			
000A98	4133	0006	00006		1976		LA R3,TBLDSOL(R3)	Otherwise, check next			
000A9C	4640	AA84	00A84		1977		BCT R4,DSORGLP	... TBLDS0 entry			
					1978	*		Exhausted TBLDS entries, not found			
000AA0	D222	90BA	C9C0	000BA	029C0	1979	MVC DJMSG(L'MSGJ025),MSGJ025	Move to &SYSLISTDSJMSG			
000AA6	D209	90BA	C0D8	000BA	020D8	1980	MVC DJMSG(10),=C'DSORG Type'				
000AAC	D703	9338	9338	00338	00338	1981	XC FW,FW				
000AB2	D200	933B	9536	0033B	00536	1982	MVC FW+3(1),DS1DSORG				
000AB8	58F0	9338		00338		1983	L R15,FW				
000ABC	4EF0	9330		00330		1984	CVD R15,DW	Convert to decimal			
000AC0	F321	90C5	9336	000C5	00336	1985	UNPK DJMSG+11(3),DW+6(2)	Unpack and			
000AC6	96F0	90C7		000C7		1986	OI DJMSG+13,X'F0'	... force and F zone			
000ACA	47F0	AB06		00B06		1987	B DSORGXT				
					1988	*					
000ACE	D202	9180	3003	00180	00003	1989	DSO#FND EQU *				
				00AD4		1990	MVC DDSORG,3(R3)	Move DSORG type			
						1991	DSOUNMOV EQU *				
000AD4	9101	9536		00536		1992	TM DS1DSORG,B'00000001'	Unmovable?			
000AD8	4780	AB06		00B06		1993	BZ DSORGXT	YES, movable (default)			
000ADC	92E4	9182		00182		1994	MVI DDSORG+2,C'U'	NO, unmovable			
000AE0	47F0	AB06		00B06		1995	B DSORGXT				
					1996	*					
000AE4	9100	2000		00000		1997	TMDSORG TM	0(R2),B'00000000' DSORG TM instruction (EX)			
					1998	*		- TBLDS0 Table-----			
					1999	*		6 bytes / halfword, offset relative to DS1DSORG			
					2000	*		per entry+ 01 bytes, DS1DSORG bit pattern			
					2001	*		\ 03 bytes, file organization type			
					2002	*		-			
000AE8					2003	TBLDSOB	DS	0H			
000AE8	000080C9E240				2004		DC	H'0',B'10000000',C'IS '	ISAM		
				00006	2005	TBLDSOL	EQU	*-TBLDSOB	** Entry Length		
000AEE	000040D7E240				2006		DC	H'0',B'01000000',C'PS '	Sequential		
000AF4	000020C4C140				2007		DC	H'0',B'00100000',C'DA '	Direct		
000AFA	000002D7D640				2008		DC	H'0',B'00000010',C'PO '	Partitioned		
000B00	000108E5E240				2009		DC	H'1',B'00001000',C'VS '	VSAM		
				00005	2010	TBLDSOE	EQU	(*-TBLDSOB)/TBLDSOL	** Num of entries		
				00B06	2012	DSORGXT	EQU	*			
					2013	*					

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					2015	*	*/*****				
					2016	*	/* Length Attribute (F,V,U)				
					2017	*	/* - R2, R3, R4, R5 Working Registers				
					2018	*	*/*****				
				00B06	2019	LENTY	EQU *				
000B06	9240	9183	00183		2020		MVI DRECFM,C' ' Clear DRECFM				
000B0A	D203	9184	9183	00184	2021		MVC DRECFM+1(L'DRECFM-1),DRECFM				
000B10	4130	AB44	00B44		2022		LA R3,TBLRFM1B Address of TBL				
000B14	4140	0003	00003		2023		LA R4,TBLRFM1E Number of tbl entries				
000B18	4120	9538	00538		2024		LA R2,DS1RECFM Address of DS1RECFM				
000B1C	1B55				2025		SR R5,R5 Clear R5				
				00B1E	2026	LENTYLP	EQU *				
000B1E	BF51	3000	00000		2027		ICM R5,B'0001',0(R3) Load DS1RECFM bit pattern				
000B22	4450	AB40	00B40		2028		EX R5,TMDSRFM1 Execute TM				
000B26	4710	AB36	00B36		2029		BO LEN#FND Found RECFM Type				
000B2A	4133	0002	00002		2030		LA R3,TBLRFM1L(R3) Otherwise, check next				
000B2E	4640	AB1E	00B1E		2031		BCT R4,LENTYLP ... TBL entry				
					2032	*		Exhausted TBL entries			
000B32	47F0	AB4A	00B4A		2033		B LENTYXT				
				00B36	2034	LEN#FND	EQU *				
000B36	D200	9183	3001	00183	2035		MVC DRECFM+0(1),TBLRFM1L-1(R3)				
000B3C	47F0	AB4A	00B4A		2036		B LENTYXT				
					2037	*					
000B40	9100	2000	00000		2038	TMDSRFM1	TM 0(R2),B'00000000' DSRFM TM instruction				
					2039	*					
					2040	*	2 bytes / TBLRFM1 Table-----				
					2041	*	per entry+ 01 bytes, DS1RECFM bit pattern				
					2042	*	\ 01 bytes, Length type				
000B44					2043	TBLRFM1B	DS 0H				
000B44	C0E4				2044		DC B'11000000',C'U' Undefined Length				
				00002	2045	TBLRFM1L	EQU *-TBLRFM1B ** Entry Length				
000B46	40E5				2046		DC B'01000000',C'V' Variable Length				
000B48	80C6				2047		DC B'10000000',C'F' Fixed Length				
				00003	2048	TBLRFM1E	EQU (*-TBLRFM1B)/TBLRFM1L ** Num of entries				
					2049	*					
				00B4A	2050	LENTYXT	EQU *				
					2051	*					

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					2053	*	*/*****				
					2054	*	/* Block attribute (B)				
					2055	*	*/*****				
				00B4A	2056	BLK	EQU *				
000B4A	9110	9538	00538		2057	TM	DS1RECFM,B'00010000'	Blocked			
000B4E	4710	AB56	00B56		2058	BO	BLK#B				
000B52	47F0	AB5E	00B5E		2059	B	BLKXT				
				00B56	2060	BLK#B	EQU *				
000B56	92C2	9184	00184		2061	MVI	DRECFM+1,C'B'	Blocked			
000B5A	47F0	AB5E	00B5E		2062	B	BLKXT				
				00B5E	2063	BLKXT	EQU *				
					2064	*	*				
					2065	*	*/*****				
					2066	*	/* Span - Standard Attribute (S)				
					2067	*	*/*****				
				00B5E	2068	SPNCHR	EQU *				
000B5E	9108	9538	00538		2069	TM	DS1RECFM,B'00001000'	Span - Standard			
000B62	4710	AB6A	00B6A		2070	BO	SPN#S				
000B66	47F0	AB6E	00B6E		2071	B	SPNCHRXT				
				00B6A	2072	SPN#S	EQU *				
000B6A	92E2	9185	00185		2073	MVI	DRECFM+2,C'S'	Span - Standard			
				00B6E	2074	SPNCHRXT	EQU *				
					2075	*	*				
					2076	*	*/*****				
					2077	*	/* Track Overflow Attribute (T)				
					2078	*	*/*****				
				00B6E	2079	OVFCHR	EQU *				
000B6E	9120	9538	00538		2080	TM	DS1RECFM,B'00100000'	Track Overflow			
000B72	4710	AB7A	00B7A		2081	BO	OVF#S				
000B76	47F0	AB7E	00B7E		2082	B	OVFCHRXT				
				00B7A	2083	OVF#S	EQU *				
000B7A	92E3	9186	00186		2084	MVI	DRECFM+3,C'T'	Track Overflow			
				00B7E	2085	OVFCHRXT	EQU *				
					2086	*	*				
					2087	*	*/*****				
					2088	*	/* ANSI Control Character Attribute (A,M)				
					2089	*	*/*****				
				00B7E	2090	CTLCHR	EQU *				
000B7E	9104	9538	00538		2091	TM	DS1RECFM,B'00000100'	ANSI			
000B82	4710	AB92	00B92		2092	BO	CTL#A				
000B86	9102	9538	00538		2093	TM	DS1RECFM,B'00000010'	Machine Code			
000B8A	4710	AB9A	00B9A		2094	BO	CTL#M				
000B8E	47F0	ABA2	00BA2		2095	B	CTLCHRXT				
				00B92	2096	CTL#A	EQU *	ANSI Control Character			
000B92	92C1	9187	00187		2097	MVI	DRECFM+4,C'A'				
000B96	47F0	ABA2	00BA2		2098	B	CTLCHRXT				
				00B9A	2099	CTL#M	EQU *	Machine Code Control Character			
000B9A	92D4	9187	00187		2100	MVI	DRECFM+4,C'M'				
000B9E	47F0	ABA2	00BA2		2101	B	CTLCHRXT				
				00BA2	2102	CTLCHRXT	EQU *				
					2103	*	*				

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19	
					2105	*	/* *****/		
					2106	*	/* Record Format - Concatenate RECFM characters	*/	
					2107	*	/* #Data source: 09 SYSRECFM	*/	
					2108	*	/* - R2, R3, R4 Working Registers	*/	
					2109	*	/* *****/		
			00BA2		2110	RECFM	EQU *		
000BA2	9240	9330	00330		2111		MVI DW,C' '	Clear DW Temp Workarea 8-bytes	
000BA6	D206	9331	9330	00331	00330	2112		MVC DW+1(L'DW-1),DW	
000BAC	4120	9183		00183		2113		LA R2,DRECFM	Load Addr of DRECFM
000BB0	4130	0005		00005		2114		LA R3,L'DRECFM	Load Length of DRECFM
000BB4	4140	9330		00330		2115		LA R4,DW	Load Addr of DW
			00BB8		2116	RECFML	EQU *		
000BB8	9540	2000		00000		2117		CLI 0(R2),C' '	Blank?
000BBC	4780	ABCA		00BCA		2118		BE RECFMLA	YES, skip, next DRECFM position
000BC0	D200	4000	2000	00000	00000	2119		MVC 0(1,R4),0(R2)	NO, move DRECFM pos to DW
000BC6	4144	0001		00001		2120		LA R4,1(R4)	Point to next DW position
			00BCA		2121	RECFMLA	EQU *		
000BCA	4122	0001		00001		2122		LA R2,1(R2)	Point to next DRECFM position
000BCE	4630	ABB8		00BB8		2123		BCT R3,RECFML	Do again.
000BD2	D204	9183	9330	00183	00330	2124		MVC DRECFM,DW	Move temp work to DRECFM
			00BD8		2125	RECFMXT	EQU *		
					2126	*			

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
					2128 *	/* *****/	
					2129 *	/* Allocation Parameters CYL,TRK,BLK,ABS	*/
					2130 *	/* Calculate SYSPRIMARY and SYSUSED	*/
					2131 *	/* #Data source: 23 SYSUNITS	*/
					2132 *	/* #Data source: 43 SYSPRIMARY	*/
					2133 *	/* #Data source: 44 SYSUSED	*/
					2134 *	/* - R2, R3, R5 Working Registers	*/
					2135 *	/* *****/	
			00BD8		2136 SSPC	EQU *	
					2137 **	DISPLAY DATA=(DS1SCALO,B,1)	
000BD8	91C0	9542	00542		2138	TM DS1SCALO,X'C0' Allocation- CYL	
					2139 *	TM DS1SCALO,B'11000000' Allocation- CYL	
000BDC	4710	ABF4	00BF4		2140	BO SSPC#CYL	
000BE0	9180	9542	00542		2141	TM DS1SCALO,X'80' Allocation- TRK	
					2142 *	TM DS1SCALO,B'10000000' Allocation- TRK	
000BE4	4710	AC2A	00C2A		2143	BO SSPC#TRK	
000BE8	9140	9542	00542		2144	TM DS1SCALO,X'40' Allocation- BLK	
					2145 *	TM DS1SCALO,B'01000000' Allocation- BLK	
000BEC	4710	AC74	00C74		2146	BO SSPC#BLK	
000BF0	47F0	AC58	00C58		2147	B SSPC#ABS Must be Allocation - ABS	
			00BF4		2148 SSPC#CYL	EQU *	
000BF4	D207	91ED C028	001ED 02028		2149	MVC DSSPC,=C'CYLINDER' CYLINDER Allocation...	LB1010c
					2150 *	/* Calculate SYSPRIMARY=CYLSTOTA	*/
000BFA	5850	9354	00354		2151	L R5,CYLSTOTA ... and convert	
000BFE	4E50	9330	00330		2152	CVD R5,DW ... to decimal	
000C02	F342	925B 9335	0025B 00335		2153	UNPK DPSPCAL,DW+5(3) Unpack and	
000C08	96F0	925F	0025F		2154	OI DPSPCAL+4,X'F0' ... force and F zone	
					2155 *	/* Calculate SYSUSED=TTRKUSED/TRKSCYL	*/
000C0C	5830	934C	0034C		2156	L R3,TTRKUSED TTRKSUSED	
000C10	5C20	C070	02070		2157	M R2,=F'1'	
000C14	5D20	9340	00340		2158	D R2,TRKSCYL TTRKSUSED/TRKSCYL	
000C18	4E30	9330	00330		2159	CVD R3,DW	
000C1C	F342	9260 9335	00260 00335		2160	UNPK DPSPCUS,DW+5(3) Unpack and	
000C22	96F0	9264	00264		2161	OI DPSPCUS+4,X'F0' ... force and F zone	
000C26	47F0	ACAA	00CAA		2162	B SSPCXT	
			00C2A		2163 SSPC#TRK	EQU *	
000C2A	D207	91ED C030	001ED 02030		2164	MVC DSSPC,=C'TRACK ' TRACK Allocation...	LB1010c
					2165 *	/* Calculate SYSPRIMARY=TRKSTOTA	*/
000C30	5850	9348	00348		2166	L R5,TRKSTOTA ... and convert	
000C34	4E50	9330	00330		2167	CVD R5,DW ... to decimal	
000C38	F342	925B 9335	0025B 00335		2168	UNPK DPSPCAL,DW+5(3) Unpack and	
000C3E	96F0	925F	0025F		2169	OI DPSPCAL+4,X'F0' ... force and F zone	
					2170 *	/* Calculate SYSUSED=TTRKUSED	*/
000C42	5850	934C	0034C		2171	L R5,TTRKUSED ... and convert	
000C46	4E50	9330	00330		2172	CVD R5,DW ... to decimal	
000C4A	F342	9260 9335	00260 00335		2173	UNPK DPSPCUS,DW+5(3) Unpack and	
000C50	96F0	9264	00264		2174	OI DPSPCUS+4,X'F0' ... force and F zone	
000C54	47F0	ACAA	00CAA		2175	B SSPCXT	
					2176 *		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
				00C58	2178	SSPC#ABS	EQU *	
000C58	D207	91ED	C038	001ED	02038	2179	MVC DSSPC,=C'ABSOLUTE'	ABSOLUTE Allocation... LB1010c
					2180	*	/* Calculate SYSPRIMARY=TRKSTOTA	*/
000C5E	5850	9348		00348	2181	L	R5,TRKSTOTA	... and convert
000C62	4E50	9330		00330	2182	CVD	R5,DW	... to decimal
000C66	F342	925B	9335	0025B	00335	2183	UNPK DPSPCAL,DW+5(3)	Unpack and
000C6C	96F0	925F		0025F	2184	OI	DPSPCAL+4,X'F0'	... force and F zone
					2185	*	/* Calculate SYSUSED= not applicable	*/
000C70	47F0	ACAA		00CAA	2186	B	SSPCXT	
				00C74	2187	SSPC#BLK	EQU *	
000C74	D207	91ED	C040	001ED	02040	2188	MVC DSSPC,=C'BLOCK'	BLOCK Allocation... LB1010c
					2189	*	/* Calculate SYSPRIMARY=TRKSTOTA*BLKSPTRK	*/
000C7A	5830	9348		00348	2190	L	R3,TRKSTOTA	TRKSTOTA
000C7E	5C20	935C		0035C	2191	M	R2,BLKSPTRK	BLKSPTRK
000C82	4E30	9330		00330	2192	CVD	R3,DW	... to decimal
000C86	F342	925B	9335	0025B	00335	2193	UNPK DPSPCAL,DW+5(3)	Unpack and
000C8C	96F0	925F		0025F	2194	OI	DPSPCAL+4,X'F0'	... force and F zone
					2195	*	/* Calculate SYSUSED=TTRKUSED*BLKSPTRK	*/
000C90	5830	934C		0034C	2196	L	R3,TTRKUSED	TRKSUSED
000C94	5C20	935C		0035C	2197	M	R2,BLKSPTRK	BLKSPTRK
000C98	4E30	9330		00330	2198	CVD	R3,DW	... to decimal
000C9C	F342	9260	9335	00260	00335	2199	UNPK DPSPCUS,DW+5(3)	Unpack and
000CA2	96F0	9264		00264	2200	OI	DPSPCUS+4,X'F0'	... force and F zone
000CA6	47F0	ACAA		00CAA	2201	B	SSPCXT	
				00CAA	2202	SSPCXT	EQU *	
000CAA	D204	9288	925B	00288	0025B	2203	MVC DALLOC,DPSPCAL	Allocation in space units LB1010d
					2204	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					2206	*	/* ***** */	
					2207	*	/* Secondary Allocation Quantity */	
					2208	*	/* #Data source: 27 SYSSECONDS */	
					2209	*	/* - R3 Working Register */	
					2210	*	/* ***** */	
				00CB0	2211	SSPCNM	EQU *	
000CB0	D703	9338	9338	00338	2212		XC FW,FW	Clear contents
000CB6	D202	9339	9543	00339	2213		MVC FW+1(3),DS1SCALO+1	Get Secondary Allocation quantity
000CBC	5830	9338		00338	2214		L R3,FW	... and convert
000CC0	4E30	9330		00330	2215		CVD R3,DW	... to decimal
000CC4	F363	91F5	9334	001F5	2216		UNPK DSSPCNM,DW+4(4)	Unpack and
000CCA	96F0	91FB		001FB	2217		OI DSSPCNM+6,X'F0'	... force and F zone
				00CCE	2218	SSPCNMXT	EQU *	
					2219	*	/* ***** */	
					2220	*	/* Password Protection */	
					2221	*	/* #Data source: 14 SYSPASSWORD */	
					2222	*	/* ***** */	
				00CCE	2223			
					2224	PASSWD	EQU *	
					2225	**	DISPLAY DATA=(DS1DSIND+49,B,1)	
000CCE	9114	9541		00541	2226		TM DS1DSIND,X'14'	Write Password required?
000CD2	4710	ACE8		00CE8	2227		BO WRPW	YES.
000CD6	9110	9541		00541	2228		TM DS1DSIND,X'10'	Read-Write PW required?
000CDA	4710	ACF2		00CF2	2229		BO RWPW	YES.
				00CDE	2230	PWDNONE	EQU *	
000CDE	D204	91D5	C129	001D5	2231		MVC DPASSWD,=C'NONE '	No password needed
000CE4	47F0	ACFC		00CFC	2232		B PASSWDXT	
				00CE8	2233	WRPW	EQU *	
000CE8	D204	91D5	C12E	001D5	2234		MVC DPASSWD,=C'WRITE'	Password needed for READ
000CEE	47F0	ACFC		00CFC	2235		B PASSWDXT	
				00CF2	2236	RWPW	EQU *	
000CF2	D204	91D5	C133	001D5	2237		MVC DPASSWD,=C'R_W '	Password needed for READ/WRITE
000CF8	47F0	ACFC		00CFC	2238		B PASSWDXT	
				00CFC	2239	PASSWDXT	EQU *	
					2240	*	/* ***** */	
					2241	*	/* RACF Secured */	
					2242	*	/* #Data source: 15 SYSRACF */	
					2243	*	/* ***** */	
				00CFC	2244			
					2245	RACF	EQU *	
000CFC	9140	9541		00541	2246		TM DS1DSIND,X'40'	RACF defined?
000D00	4710	AD0E		00D0E	2247		BO RACFRQD	YES.
				00D04	2248	RACFNONE	EQU *	
000D04	D203	91DA	C074	001DA	2249		MVC DRACF,=C'NONE'	No RACF
000D0A	47F0	AD18		00D18	2250		B RACFXT	
				00D0E	2251	RACFRQD	EQU *	
000D0E	D203	91DA	C078	001DA	2252		MVC DRACF,=C'RACF'	We have RACF...
000D14	47F0	AD18		00D18	2253		B RACFXT	
				00D18	2254	RACFXT	EQU *	
					2255	*	/* ***** */	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					2257	*	/* *****/	
					2258	*	/* File Create Date X'yy0jjj' */	
					2259	*	/* #Data source: 05 SYSCREATE */	
					2260	*	/* #Data source: 31 SYSJCREATE */	
					2261	*	/* #Data source: 37 SYSCCREATE */	
					2262	*	/* - R6, R7 Working Register */	
					2263	*	/* *****/	
			00D18		2264	CREDIT	EQU *	
000D18	D207	9188	C165	00188	02165	2265	MVC DCREDIT,ZEROCL11	Default date CCYY/JJJ LB1001b
000D1E	D200	918C	92A5	0018C	002A5	2266	MVC DCREDIT+4(1),DATESEP	Date Separator value LB1001a
000D24	D204	9190	C165	00190	02165	2267	MVC DCREDJ,ZEROCL11	Default date YYJJJ LB1001b
000D2A	D20A	929A	C165	0029A	02165	2268	MVC DC#MDCY,ZEROCL11	Default date MM/DD/CCYY LB1001b
000D30	4570	B722		01722		2269	BAL R7,DFMT	Format Date CCYY MM DD LB1001b
000D34	D209	9195	92A7	00195	002A7	2270	MVC DCREDC,DATEWA	LB1001b
000D3A	D502	9519	C138	00519	02138	2271	CLC DS1CREDIT,=X'000000'	Zero date?
000D40	4780	AD6E		00D6E		2272	BE CREDITXT	YES, done.
000D44	4160	9519		00519		2273	LA R6,DS1CREDIT	Create Date
000D48	4570	B904		01904		2274	BAL R7,DATECONV	Convert date to CCYY/JJJJ
000D4C	D203	9188	92A1	00188	002A1	2275	MVC DCREDIT(4),DC#CCYY+1	CCYY -\ JulianCCYY
000D52	D202	918D	9294	0018D	00294	2276	MVC DCREDIT+5(3),DC#JJJ	JJJ +---- CCYY/JJJ
000D58	D201	9190	92A3	00190	002A3	2277	MVC DCREDJ(2),DC#CCYY+3	YY -\ MVS38J
000D5E	D202	9192	9294	00192	00294	2278	MVC DCREDJ+2(3),DC#JJJ	JJJ +---- YYJJJ
000D64	4570	B722		01722		2279	BAL R7,DFMT	Format Date CCYY MM DD LB1001b
000D68	D209	9195	92A7	00195	002A7	2280	MVC DCREDC,DATEWA	LB1001b
			00D6E		2281	CREDITXT	EQU *	
					2282	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					2284	*	/* *****/				
					2285	*	/* File Expire Date X'yy0jjj'				
					2286	*	/* #Data source: 06 SYSEXDATE				
					2287	*	/* #Data source: 32 SYSJEXDATE				
					2288	*	/* #Data source: 38 SYSCEXDATE				
					2289	*	/* - R6, R7 Working Register				
					2290	*	/* *****/				
				00D6E	2291	EXPDT	EQU *				
000D6E	D207	919F	C165	0019F	02165	2292	MVC DEXPDT,ZEROCL11	Default date CCYY/JJJ			LB1001b
000D74	D200	91A3	92A5	001A3	002A5	2293	MVC DEXPDT+4(1),DATESEP	Date Separator value			LB1001a
000D7A	D204	91A7	C165	001A7	02165	2294	MVC DEXPDJ,ZEROCL11	Default date YYJJJ			LB1001b
000D80	D20A	929A	C165	0029A	02165	2295	MVC DC#MDCY,ZEROCL11	Default date MM/DD/CCYY			LB1001b
000D86	4570	B722		01722		2296	BAL R7,DFMT	Format Date CCYY MM DD			LB1001b
000D8A	D209	91AC	92A7	001AC	002A7	2297	MVC DEXPDC,DATEWA				LB1001b
000D90	D502	951C	C138	0051C	02138	2298	CLC DS1EXPDT,=X'000000'	Zero date?			
000D96	4780	ADC4		00DC4		2299	BE EXPDXT	YES, done.			
000D9A	4160	951C		0051C		2300	LA R6,DS1EXPDT	Expire Date			
000D9E	4570	B904		01904		2301	BAL R7,DATECONV	Convert date to CCYY/JJJJ			
000DA2	D203	919F	92A1	0019F	002A1	2302	MVC DEXPDT(4),DC#CCYY+1	CCYY -\ JulianCCYY			
000DA8	D202	91A4	9294	001A4	00294	2303	MVC DEXPDT+5(3),DC#JJJ	JJJ +---- CCYY/JJJ			
000DAE	D201	91A7	92A3	001A7	002A3	2304	MVC DEXPDJ(2),DC#CCYY+3	YY -\ MVS38J			
000DB4	D202	91A9	9294	001A9	00294	2305	MVC DEXPDJ+2(3),DC#JJJ	JJJ +---- YYJJJ			
000DBA	4570	B722		01722		2306	BAL R7,DFMT	Format Date CCYY MM DD			LB1001b
000DBE	D209	91AC	92A7	001AC	002A7	2307	MVC DEXPDC,DATEWA				LB1001b
				00DC4	2308	EXPDTXT	EQU *				
					2309	*					

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					2311	*	/* *****/				
					2312	*	/* File Reference Date X'yy0jjj' */				
					2313	*	/* #Data source: 07 SYSREFDATE */				
					2314	*	/* #Data source: 33 SYSJREFDATE */				
					2315	*	/* #Data source: 39 SYSCREFDATE */				
					2316	*	/* - R6, R7 Working Register */				
					2317	*	/* *****/				
			00DC4		2318	REFDT	EQU *				
000DC4	D207	91B6	C165	001B6	02165	2319	MVC DREFDT,ZEROCL11	Default date CCYY/JJJ			LB1001b
000DCA	D200	91BA	92A5	001BA	002A5	2320	MVC DREFDT+4(1),DATESEP	Date Separator value			LB1001a
000DD0	D204	91BE	C165	001BE	02165	2321	MVC DREFDJ,ZEROCL11	Default date YYJJJ			LB1001b
000DD6	D20A	929A	C165	0029A	02165	2322	MVC DC#MDCY,ZEROCL11	Default date MM/DD/CCYY			LB1001b
000DDC	4570	B722		01722		2323	BAL R7,DFMT	Format Date CCYY MM DD			LB1001b
000DE0	D209	91C3	92A7	001C3	002A7	2324	MVC DREFDC,DATEWA				LB1001b
000DE6	D502	952F	C138	0052F	02138	2325	CLC DS1REFD,=X'000000'	Zero date?			
000DEC	4780	AE1A		00E1A		2326	BE REFDTXT	YES, done.			
000DF0	4160	952F		0052F		2327	LA R6,DS1REFD	Referenced Date			
000DF4	4570	B904		01904		2328	BAL R7,DATECONV	Convert date to CCYY/JJJJ			
000DF8	D203	91B6	92A1	001B6	002A1	2329	MVC DREFDT(4),DC#CCYY+1	CCYY -\ JulianCCYY			
000DFE	D202	91BB	9294	001BB	00294	2330	MVC DREFDT+5(3),DC#JJJ	JJJ +---- CCYY/JJJ			
000E04	D201	91BE	92A3	001BE	002A3	2331	MVC DREFDJ(2),DC#CCYY+3	YY -\ MVS38J			
000E0A	D202	91C0	9294	001C0	00294	2332	MVC DREFDJ+2(3),DC#JJJ	JJJ +---- YYJJJ			
000E10	4570	B722		01722		2333	BAL R7,DFMT	Format Date CCYY MM DD			LB1001b
000E14	D209	91C3	92A7	001C3	002A7	2334	MVC DREFDC,DATEWA				LB1001b
			00E1A		2335	REFDTXT	EQU *				
					2336	*					

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM
					2338	*	/* ***** */	0201 23.53 10/02/19
					2339	*	/* Device Type */	
					2340	*	/* For catalogued Datasets, use catalog unit type */	
					2341	*	/* to determine device type */	
					2342	*	/* For Uncatalogued Datasets, match VOLSER in UCB list */	
					2343	*	/* to obtain unit type to determine device type */	
					2344	*	/* #Data source: 22 SYSUNIT */	
					2345	*	/* - R4, R2, R3, R5, R6 Working Registers */	
					2346	*	/* ***** */	
			00E1A		2347	DEVTP	EQU *	
000E1A	95E8	9254	00254		2348		CLI DDSCAT,C'Y'	Dataset catalogued?
000E1E	4780	AE5C	00E5C		2349		BE GETDEVTY	YES, branch to GETDEVTY
					2350	*		NO, find unit type from VOLSER
					2351	*		using UCB
000E22	5840	0010	00010		2352		L R4,CVTPTR	Address of CVT
				00000	2353		USING CVT,R4	
000E26	5820	4028	00028		2354		L R2,CVTILK2	Address of UCB Lookup table
				00000	2355		USING UCB,R3	
			00E2A		2356	UCBSCAN	EQU *	
000E2A	1B33				2357		SR R3,R3	Clear R3
000E2C	4832	0000	00000		2358		LH R3,0(R2)	Point to UCB
000E30	4122	0002	00002		2359		LA R2,2(R2)	Bump to next UCB entry
000E34	1233				2360		LTR R3,R3	NULL?
000E36	4780	AE2A	00E2A		2361		BZ UCBSCAN	YES, get another
000E3A	5530	C07C	0207C		2362		CL R3,=X'0000FFFF'	End of UCB Table?
000E3E	4780	AF44	00F44		2363		BE DEVTPXT	YES. Done.
000E42	9180	3000	00000		2364		TM UCBJBNR,UCBVRDEV	VIO Device?
000E46	4710	AE2A	00E2A		2365		BO UCBSCAN	NO, re-scan
000E4A	9180	3003	00003		2366		TM UCBSTAT,UCBONLI	Device ONLINE?
000E4E	47E0	AE2A	00E2A		2367		BNO UCBSCAN	NO, re-scan
000E52	D505	9170	301C 00170	0001C	2368		CLC DVOLSER,UCBVOLI	Is this the VOLUME?
000E58	4770	AE2A	00E2A		2369		BNE UCBSCAN	NO, re-scan
					2370	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					2372	*	/* *****/				
					2373	*	/* Find device type (e.g. 3350) given unit type				
					2374	*	/* using below table (DVCLST)				
					2375	*	/* -JMSG'DeviceType xxx not defined in table'				
					2376	*	/* - R4, R2, R3, R5, R6 Working Registers				
					2377	*	/* *****/				
				00E5C	2378	GETDEVTY	EQU *	YES, determine type!			
000E5C	4150	0010	00010		2379		LA R5,DVCLST\$E	Load # of DVCLST entries			
000E60	4160	AEC4	00EC4		2380		LA R6,DVCLST\$	Address of DVCLST entries			
				00E64	2381	LOOK4DT	EQU *				
000E64	95E8	9254	00254		2382		CLI DDSCAT,C'Y'	Dataset catalogued?			
000E68	4780	AE7A	00E7A		2383		BE LOOK4DT2	YES, check catlg device type			
				00E6C	2384	LOOK4DT1	EQU *				
					2385	**	CLC 19(1,R3),0(R6)	NO. UCB device type in table?			
000E6C	D500	3013	6000	00013	00000	2386	CLC UCBUNTYP,0(R6)	NO. UCB device type in table?			
000E72	4780	AEBA	00EBA		2387		BE DEVFND	YES, found device in table			
000E76	47F0	AE84	00E84		2388		B LOOK4DT3	NO, check next one...			
				00E7A	2389	LOOK4DT2	EQU *				
000E7A	D500	9405	6000	00405	00000	2390	CLC LOCAUNTY,0(R6)	Catlg device type in table?			
000E80	4780	AEBA	00EBA		2391		BE DEVFND	YES, found device in table			
				00E84	2392	LOOK4DT3	EQU *				
000E84	4166	0008	00008		2393		LA R6,DVCLST\$(R6)	NO, point to next device entry			
000E88	4650	AE64	00E64		2394		BCT R5,LOOK4DT	Look at next entry			
				00E8C	2395	NODEVFND	EQU *				
					2396	*		Not defined, Error.			
000E8C	D222	90BA	C9C0	000BA	029C0	2397	MVC DJMSG(L'MSGJ025),MSGJ025	Move to &SYSLISTDSJMSG			
000E92	D209	90BA	C0E2	000BA	020E2	2398	MVC DJMSG(10),=C'DeviceType'				
000E98	D703	9338	9338	00338	00338	2399	XC FW,FW				
000E9E	D200	933B	3013	0033B	00013	2400	MVC FW+3(1),19(R3)				
000EA4	58F0	9338		00338		2401	L R15,FW				
000EA8	4EF0	9330		00330		2402	CVD R15,DW	Convert to decmial			
000EAC	F321	90C5	9336	000C5	00336	2403	UNPK DJMSG+11(3),DW+6(2)	Unpack and			
000EB2	96F0	90C7		000C7		2404	OI DJMSG+13,X'F0'	... force and F zone			
000EB6	47F0	AF44		00F44		2405	B DEVTPXT				
				00EBA	2406	DEVFND	EQU *				
000EBA	D206	91FC	6001	001FC	00001	2407	MVC DUNIT,1(R6)	MOVE DEVTTYPE			
000EC0	47F0	AF44		00F44		2408	B DEVTPXT				
					2409	*					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				2411 *	8 bytes / DVCLST Table-----	
				2412 *	per entry+ 01 bytes, device type code	
				2413 *	\ 07 bytes, Device Type	
				2414 *		
000EC4	006F6F5C5C5C6F6F			2415 DVCLST\$ DC	X'00',CL7'??**??'	
		00008		2416 DVCLST\$L EQU	*-DVCLST\$ Table Entry length	
000ECC	01F2F3F1F1404040			2417 DC	X'01',CL7'2311	
000ED4	02F2F3F0F1404040			2418 DC	X'02',CL7'2301	
000EDC	03F2F3F0F3404040			2419 DC	X'03',CL7'2303	
000EE4	04F9F3F4F5404040			2420 DC	X'04',CL7'9345	
000EEC	05F2F3F2F1404040			2421 DC	X'05',CL7'2321	
000EF4	06F2F3F0F560F140			2422 DC	X'06',CL7'2305-1	
000EFC	07F2F3F0F560F240			2423 DC	X'07',CL7'2305-2	
000F04	08F2F3F1F4404040			2424 DC	X'08',CL7'2314	
000F0C	09F3F3F3F0404040			2425 DC	X'09',CL7'3330	
000F14	0AF3F3F4F0404040			2426 DC	X'0A',CL7'3340	
000F1C	0BF3F3F5F0404040			2427 DC	X'0B',CL7'3350	
000F24	0CF3F3F7F5404040			2428 DC	X'0C',CL7'3375	
000F2C	0DF3F3F3F060F1F1			2429 DC	X'0D',CL7'3330-11	
000F34	0EF3F3F8F0404040			2430 DC	X'0E',CL7'3380	
000F3C	0FF3F3F9F0404040			2431 DC	X'0F',CL7'3390	
		00010		2432 DVCLST\$E EQU	(* -DVCLST\$)/DVCLST\$L Table Entries	
				2433 *		
		00F44		2434 DEVTPXT EQU	*	
				2435 *		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					2437	*	/* ***** */	
					2438	*	/* PO Directory Information */	
					2439	*	/* Allocate PDS */	
					2440	*	/* -JMSG'RC=xxx Allocate PDS error' */	
					2441	*	/* - R7, R2, R1 Working Register */	
					2442	*	/* - R15 Working Register and RC exit code register */	
					2443	*	/* ***** */	
			00F44		2444	PODDIR	EQU *	
			00F44		2445	PODALLOC	EQU *	
000F44	95E8	93A9	003A9		2446		CLI PDIR,C'Y'	PDS DIR Info requested?
000F48	4770	B438	01438		2447		BNE PODDIRXT	NO, bypass PDS Info
000F4C	D501	9180	C0EC	00180	2448		CLC DDSORG(2),=C'PO'	YES. Is file a PDS?
000F52	4770	B432	01432		2449		BNE PODDIRNN	NO, bypass PDS Info w/ MSG
000F56	95D5	93AD	003AD		2451		CLI PDL,C'N'	Create Directory List? LB1010h
000F5A	4780	AFAE	00FAE		2452		BE PODALCGO	No, continue to DIR stats LB1010h
					2453	*		Yes, add ISPF stats LB1010h
000F5E	D200	92BC	93AD	002BC	2454		MVC TBN+6(1),PDL	Table Name Number (0 or 1) LB1010h
					2455	*	/* ***** */	LB1010h
					2456	*	/* ISPLINK Entry Point */	LB1010h
					2457	*	/* ***** */	LB1010h
000F64	D703	9074	9074	00074	2458		XC ISPLINK,ISPLINK	Clear ISPLINK Address LB1010h
					2459		LOAD EP=ISPLINK,ERRET=NOISPLNK	LB1010h
000F8C	5000	9074	00074		2469		ST R0,ISPLINK	Save ISPLINK Entry Point LB1010h
000F90	47F0	AFA2	00FA2		2470		B OKISPLNK	Continue... LB1010h
				00F94	2471	NOISPLNK	EQU *	LB1010h
000F94	92D5	93AD	003AD		2472		MVI PDL,C'N'	Force Dir List OFF! LB1010h
000F98	D211	90C1	C0EE	000C1	2473		MVC DJMSG+7(18),=C'NO ISPLINK SUPPORT'	LB1010h
000F9E	47F0	AFAE	00FAE		2474		B PODALCGO	No, continue to DIR stats LB1010h
				00FA2	2475	OKISPLNK	EQU *	LB1010h
000FA2	4570	BA2C	01A2C		2476		BAL R7,VARDEFS	Define ISPF Functional variables LB1010h
000FA6	4570	BC60	01C60		2477		BAL R7,ERASETB	Erase existing ISPF table LB1010h
000FAA	4570	BC9E	01C9E		2478		BAL R7,CREATETB	Create ISPF table LB1010h
				00FAE	2479	PODALCGO	EQU *	LB1010h
000FAE	4570	B7C2	017C2		2480		BAL R7,PDSALC	YES, allocate dataset
000FB2	12FF				2481		LTR R15,R15	Successful?
000FB4	4780	AFE2	00FE2		2482		BZ PODINFO	YES, get DIR information
					2483	*		NO, ERROR, cannot alloc PDS
000FB8	D218	90BA	C930	000BA	2484		MVC DJMSG(L'MSGJ017),MSGJ017	Move to &SYSLISTDSJMSG
000FBE	4EF0	9330	00330		2485		CVD R15,DW	Convert to decimal
000FC2	F321	90BD	9336	000BD	2486		UNPK DJMSG+3(3),DW+6(2)	Unpack and
000FC8	96F0	90BF	000BF		2487		OI DJMSG+5,X'F0'	... force and F zone
000FCC	D201	911E	C100	0011E	2488		MVC DRSCODE,=C'02'	Dynam Alloc error
000FD2	D203	933C	C080	0033C	2489		MVC RCEXIT,=F'04'	
000FD8	D201	936A	C102	0036A	2490		MVC RC,=C'04'	
000FDE	47F0	B438	01438		2491		B ENDME	Done, exit.
					2492	*		

2494	*	*	PDS DIR BLOCK STRUCTURE					
2495	*	*	+-----+ +---+ +-----+					
2496	*	*	Count	Key	Data			
2497	*	*	()	(8)	(256)			
2498	*	*	+-----+ +---+ +-----+					
2499	*	*						
2500	*	*	The KEY is an external key to the data block. It contains					
2501	*	*	the last member name in the block for search efficiency.					
2502	*	*						
2503	*	*	+-----+					
2504	*	*	Data(256)					
2505	*	*	+-----+					
2506	*	*	DIR Bytes	Member	Member	Member	Member	Unused
2507	*	*	Used (2)	Ent #1	Ent #2	Ent #3	Ent #n	
2508	*	*	+-----+					
2509	*	*						
2510	*	*	+-----+					
2511	*	*	Member Entry					
2512	*	*	+-----+					
2513	*	*	Member	TTR	C	Optional User Data		
2514	*	*	Name (8)	(3)	(1)	(2-62)		
2515	*	*	+-----+					
2516	*	*						
2517	*	*	PDS dir block is 256 bytes in length. First 2 bytes contains					
2518	*	*	a count field representing the number of bytes used INCLUDING					
2519	*	*	count field (2 bytes). The remaining 254 bytes contain					
2520	*	*	member entries.					
2521	*	*						
2522	*	*	Last member entry contains binary ones. All the directory					
2523	*	*	blocks that follow are unused. This is key when counting					
2524	*	*	used and unused blocks.					
2525	*	*						
2526	*	*	C in Member Entry:					
2527	*	*	Bit 0-0 0=Primary Name 1=Alias Name					
2528	*	*	Bit 1-2 Number of TTRN fields in the user data					
2529	*	*	Bit 3-7 Length of user data in HALFWORDS					
2530	*	*						
2531	*	*						

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					2533	*	/* *****/	
					2534	*	/* PO Directory Information */	
					2535	*	/* Get DIR block and member count information */	
					2536	*	/* -JMSG'RC=xxx Open PDS error' */	
					2537	*	/* - R7, R0, R1, R2 ,R3 Working Register */	LB1010h
					2538	*	/* - R15 Working Register and RC exit code register */	
					2539	*	/* *****/	
000FE2	D703	986C	986C	0086C	0086C	2540	PODINFO EQU *	Initialize FW counters
000FE8	D703	9870	9870	00870	00870	2541	XC PODBLKS,PODBLKS	Zero PDS DIR Blocks Count
000FEE	D703	9874	9874	00874	00874	2542	XC PODBLKSU,PODBLKSU	Zero PDS Used DIR Blocks Count
000FF4	D703	9878	9878	00878	00878	2543	XC POMEMS,POMEMS	Zero PDS Member Count
					2544	XC POALIS,POALIS	Zero PDS Alias Count	
					2545	*		
					2546	*		
000FFA	4120	9880		00880		2547	LA R2,DIRDCBW	Addr of myDIRDCB
000FFE	D257	2000	CC0C	00000	02C0C	2548	MVC 0(DIRDCBL,R2),DIRDCB	Init myDIRDCB with DIRDCB
001004	D207	2028	9860	00028	00860	2549	MVC DDNAM(8,R2),DDNAME	Apply DDN from DAIR
00100A	9280	98EC		008EC		2550	MVI PARMVL1,X'80'	Mark as last parm FW (VL=1)
					2551	PRINT GEN		
				0100E	2552	PODOPEN EQU *		
00100E	4110	98EC		008EC		2553	OPEN ((R2),INPUT),MF=(E,PARMVL1)	Open DIRDCBW execute form
001012	94F0	1000		00000		2554+	LA 1,PARMVL1	LOAD PARAMETER REG 1 01900002
001016	43E1	0000		00000		2555+	NI 0(1),X'F0'	CLEAR OPTION 1 BITS 03780001
00101A	5021	0000		00000		2556+	IC 14,0(1,0)	SAVE OPTION BYTE 03440000
00101E	42E1	0000		00000		2557+	ST R2,0(1,0)	STORE INTO LIST 03620000
001022	0A13			00000		2558+	STC 14,0(1,0)	RESTORE OPTION BYTE 03520001
001024	12FF					2559+	SVC 19	ISSUE OPEN SVC 04000000
001026	4780	B054		01054		2560	LTR R15,R15	Successful?
					2561	BZ PODCONT0	YES, continue...	
					2562	*	NO, ERROR, cannot open PDS	
00102A	D214	90BA	CA0D	000BA	02A0D	2563	MVC DJMSG(L'MSGJ030),MSGJ030	Move to &SYSLISTDSJMSG
001030	4EF0	9330		00330		2564	CVD R15,DW	Convert to decimal
001034	F321	90BD	9336	000BD	00336	2565	UNPK DJMSG+3(3),DW+6(2)	Unpack and
00103A	96F0	90BF		000BF		2566	OI DJMSG+5,X'F0'	... force and F zone
00103E	D201	911E	C104	0011E	02104	2567	MVC DRSNCODE,=C'13'	Cannot open file error
001044	D203	933C	C080	0033C	02080	2568	MVC RCEXIT,=F'04'	
00104A	D201	936A	C102	0036A	02102	2569	MVC RC,=C'04'	
001050	47F0	B438		01438		2570	B ENDME	Done, exit.
					2571	*		
				01054	2572	PODCONT0 EQU *		
					2573	*		
001054	D213	98D8	CC64	008D8	02C64	2574	MVC DIRDECBW(DIRDECBL),DIRDECB	Init DIRDECBW from DIRDECB
00105A	9200	9868		00868		2575	MVI DIRSW,0	Set to Initial value
					2576	*	DIRSW=0 Initial, process used blocks	
					2577	*	DIRSW=1 Used Blocks elapsed, process unused blocks	
					2578	*	DIRSW=2 IO Error	
				0105E	2579	PODREAD EQU *		
00105E	4110	98D8		008D8		2580	READ DIRDECBW,SF,(R2),BLOCK,256,MF=E	READ Execute form
001062	9280	1005		00005		2581+	LA 1,DIRDECBW	LOAD DECB ADDRESS 01260000
001066	5021	0008		00008		2582+	MVI 5(1),X'80'	SET TYPE FIELD 01420019
00106A	41E0	9760		00760		2583+	ST R2,8(1,0)	STORE DCB ADDRESS 01540000
00106E	50E1	000C		0000C		2584+	LA 14,BLOCK	LOAD AREA ADDRESS 01600000
001072	9200	1004		00004		2585+	ST 14,12(1,0)	STORE AREA ADDRESS 01620000
001076	41E0	0100		00100		2586+	MVI 4(1),X'00'	SET TYPE FIELD 01760000
					2587+	LA 14,256(0,0)	LOAD LENGTH	01900000

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
00107A	40E1	0006	00006		2588+	STH	14,6(1,0)	STORE LENGTH 01920000
00107E	58F1	0008	00008		2589+	L	15,8(1,0)	LOAD DCB ADDRESS 02091503
001082	58F0	F030	00030		2590+	L	15,48(0,15)	LOAD RDWR ROUTINE ADDR 02097203
001086	05EF				2591+	BALR	14,15	LINK TO RDWR ROUTINE 02102903
					2592	CHECK	DIRDECBW	
001088	4110	98D8	008D8		2593+	LA	1,DIRDECBW	LOAD PARAMETER REG 1 01900002
00108C	58E0	1008	00008		2594+	L	14,8(0,1)	PICK UP DCB ADDR 00700000
001090	58F0	E034	00034		2595+	L	15,52(0,14)	LOAD CHECK ROUTINE ADDR 00750000
001094	05EF				2596+	BALR	14,15	LINK TO CHECK ROUTINE 00800000
001096	9102	9868	00868		2597	TM	DIRSW,2	I/O Error?
00109A	4710	B312	01312		2598	BO	PODERR	YES, report and exit
					2599 *			
				0109E	2600	PODBLKSC	EQU *	Count DIR Blocks
00109E	5810	986C	0086C		2601	L	R1,PODBLKS	R1=PODBLKS
0010A2	4111	0001	00001		2602	LA	R1,1(R1)	Add 1 to PODBLS
0010A6	5010	986C	0086C		2603	ST	R1,PODBLKS	Save PODBLS count
0010AA	9101	9868	00868		2604	TM	DIRSW,1	Past USED blocks?
0010AE	4710	B05E	0105E		2605	BO	PODREAD	YES, read another block
0010B2	4110	9760	00760		2606	LA	R1,BLOCK	NO, R1=Addr of BLOCK
0010B6	4800	1000	00000		2607	LH	R0,0(,R1)	R0=Bytes in use
0010BA	1A01				2608	AR	R0,R1	R0=Addr past last entry
0010BC	4110	1002	00002		2609	LA	R1,2(,R1)	R1=Addr of first member in block
					2610 *			

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
				010C0	2612	PODENTRY	EQU *	USED and UNUSED DIR BLK Test
0010C0	D507	1000	C048	00000	02048	2613	CLC 0(8,R1),=8X'FF'	Last member in DIR BLK?
0010C6	4780	B2D2		012D2	2614	BE	PODUSED	YES, mark End of USED BLKS and read
					2615	*		NO, test for ALIAS or MEMBER entry
0010CA	9180	100B		0000B	2616	TM	11(R1),X'80'	ALIAS?
0010CE	4710	B0E2		010E2	2617	BO	PODALIAS	YES, branch to PODALIAS
					2618	*		NO, count MEMBER type
				010D2	2619	PODMEMBR	EQU *	Member Count
0010D2	5830	9874		00874	2620	L	R3,POMEMS	R3=POMEMS
0010D6	4133	0001		00001	2621	LA	R3,1(R3)	Add 1 to POMEMS
0010DA	5030	9874		00874	2622	ST	R3,POMEMS	Save member count
0010DE	47F0	B0EE		010EE	2623	B	PODNEXT	Branch to next DIR entry
					2624	*		
				010E2	2625	PODALIAS	EQU *	Alias Member Count
0010E2	5830	9878		00878	2626	L	R3,POALIS	R3=POALIS
0010E6	4133	0001		00001	2627	LA	R3,1(R3)	Add 1 to POALIS
0010EA	5030	9878		00878	2628	ST	R3,POALIS	Save POALIS count
					2629	*		
				010EE	2630	PODNEXT	EQU *	Get next DIR ENTRY
0010EE	1F33				2631	SLR	R3,R3	Clear R3
0010F0	4330	100B		0000B	2632	IC	R3,11(,R1)	Load C (Control Info)
0010F4	5430	C084		02084	2633	N	R3,=F'31'	All BITS OFF except bits 3-7
0010F8	8930	0001		00001	2634	SLL	R3,1	Multiply by 2; HALFWORDS to bytes
					2635	*		LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					2637	*	* /*-----*/	LB1010h
					2638	*	* /* Create ISPF table with member list including ISPF */	LB1010h
					2639	*	* /* statistics, if available. */	LB1010h
					2640	*	* /*-----*/	LB1010h
0010FC	95D5	93AD	003AD		2641		CLI PDL,C'N' Create Directory List?	LB1010h
001100	4780	B2C4	012C4		2642		BE PODCONT5 No, continue to DIR stats	LB1010h
					2643	*		LB1010h
001104	1841				2644		LR R4,R1 Address Dir Entry and User Area	LB1010h
			00000		2645		USING DIRENTUA,R4 Tell Assembler	LB1010h
					2646	*		LB1010h
001106	9240	92D7	002D7		2647		MVI IMEMBR,C' ' Blank out ISPF Table fields	LB1010h
00110A	D200	92D8	92D7	002D8	002D7		MVC IMEMBR+1(L'ISTATSL-1),IMEMBR	LB1010h
					2649	*		LB1010h
001110	D207	92D7	4000	002D7	00000		MVC IMEMBR,UAMMEM ** Member Name	LB1010h
					2651	*		LB1010h
001116	41F0	92DF	002DF		2652		LA R15,ITTRP ** Member TTR CHARACTER Field	LB1010h
00111A	4150	0003	00003		2653		LA R5,L'UAMTTR Length of BINARY field	LB1010h
00111E	4170	4008	00008		2654		LA R7,UAMTTR Addr of BINARY field	LB1010h
			01122		2655	CH2C	EQU * Convert Hex byte to 2 characters	LB1010h
001122	43E7	0000	00000		2656		IC R14,0(R7) Process LEFT 4 bits	LB1010h
001126	54E0	C088	02088		2657		N R14,=F'15'	LB1010h
00112A	43EE	CB41	02B41		2658		IC R14,HEXTAB(R14) Translate based on offset	LB1010h
00112E	42EF	0001	00001		2659		STC R14,1(R15) Store character	LB1010h
					2660	*		LB1010h
001132	43E7	0000	00000		2661		IC R14,0(R7) Process RIGHT 4 bits	LB1010h
001136	88E0	0004	00004		2662		SRL R14,4 Shift left	LB1010h
00113A	43EE	CB41	02B41		2663		IC R14,HEXTAB(R14) Translate based on offset	LB1010h
00113E	42EF	0000	00000		2664		STC R14,0(R15) Store character	LB1010h
001142	4177	0001	00001		2665		LA R7,1(R7) Bump to next binary byte	LB1010h
001146	41FF	0002	00002		2666		LA R15,2(R15) Bump to next character pair	LB1010h
00114A	4650	B122	01122		2667		BCT R5,CH2C	LB1010h
					2668	*		LB1010h
00114E	5930	C08C	0208C		2669		C R3,=F'30' ISPF stats present?	LB1010h
001152	4780	B15A	0115A		2670		BE ISPFSTS Yes, convert values and save row	LB1010h
001156	47F0	B2BE	012BE		2671		B ADDTBZZ No, default values and save row	LB1010h
					2672	*		LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19	
				0115A	2674	ISPFSTS	EQU *	LB1010h	
00115A	1755				2675	XR	R5,R5	Clear R5	
00115C	4350	400C		0000C	2676	IC	R5,UAMVLVL	** Version Level	
001160	4E50	9330		00330	2677	CVD	R5,DW		
001164	F321	92BE	9336	002BE	00336	2678	UNPK	IVLVL,DW+6(2)	Unpack and
00116A	96F0	92C0		002C0	2679	OI	IVLVL+2,X'F0'	... force and F zone	
					2680	*		LB1010h	
00116E	1755				2681	XR	R5,R5	Clear R5	
001170	4350	400D		0000D	2682	IC	R5,UAMMLVL	** Modification Level	
001174	4E50	9330		00330	2683	CVD	R5,DW		
001178	F321	92C1	9336	002C1	00336	2684	UNPK	IMLVL,DW+6(2)	Unpack and
00117E	96F0	92C3		002C3	2685	OI	IMLVL+2,X'F0'	... force and F zone	
					2686	*		LB1010h	
001182	D201	92E5	92BF	002E5	002BF	2687	MVC	IVVMM(2),IVLVL+1	Concatenate
001188	924B	92E7		002E7		2688	MVI	IVVMM+2,C'.'	..version and modification
00118C	D201	92E8	92C2	002E8	002C2	2689	MVC	IVVMM+3(2),IMLVL+1	...as VV.MM
					2690	*		LB1010h	
					2691	*		** Member Create Date	
001192	D707	9330	9330	00330	00330	2692	XC	DW,DW	Clear DW
001198	D200	9337	4011	00337	00011	2693	MVC	DW+7(1),UAMCREDIT+1	Move YY portion (decimal)
00119E	5860	9334		00334		2694	L	R6,DW+4	Load R6 with YY portion
0011A2	8960	0004		00004		2695	SLL	R6,4	Shift left 4 bits to insert F zone
0011A6	5060	9334		00334		2696	ST	R6,DW+4	Store
0011AA	960F	9337		00337		2697	OI	DW+7,X'0F'	Insert F zone
0011AE	4F60	9330		00330		2698	CVB	R6,DW	Convert decimal to binary
0011B2	4260	9297		00297		2699	STC	R6,DC#YYJJJ	Store right-most character (1-byte)
					2700	*		LB1010h	
0011B6	D707	9330	9330	00330	00330	2701	XC	DW,DW	Clear DW
0011BC	D201	9336	4012	00336	00012	2702	MVC	DW+6(2),UAMCREDIT+2	Move 0JJJ portion (packed)
0011C2	4F60	9330		00330		2703	CVB	R6,DW	Convert packed to binary
0011C6	4060	9292		00292		2704	STH	R6,DC#HJJJ	Store binary result
0011CA	D201	9298	9292	00298	00292	2705	MVC	DC#YYJJJ+1(2),DC#HJJJ	
0011D0	4160	9297		00297		2706	LA	R6,DC#YYJJJ	
0011D4	5030	9320		00320		2707	ST	R3,SAVER3	Save R3, used by DATECONV
0011D8	4570	B904		01904		2708	BAL	R7,DATECONV	
0011DC	4570	B722		01722		2709	BAL	R7,DFMT	
0011E0	D207	92EA	92A9	002EA	002A9	2710	MVC	ICDTE,DATEWA+2	
0011E6	5830	9320		00320		2711	L	R3,SAVER3	Restore R3
					2712	*		LB1010h	
					2713	*		** Member Change Date	
0011EA	D707	9330	9330	00330	00330	2714	XC	DW,DW	Clear DW
0011F0	D200	9337	4015	00337	00015	2715	MVC	DW+7(1),UAMCHGDT+1	Move YY portion (decimal)
0011F6	5860	9334		00334		2716	L	R6,DW+4	Load R6 with YY portion
0011FA	8960	0004		00004		2717	SLL	R6,4	Shift left 4 bits to insert F zone
0011FE	5060	9334		00334		2718	ST	R6,DW+4	Store
001202	960F	9337		00337		2719	OI	DW+7,X'0F'	Insert F zone
001206	4F60	9330		00330		2720	CVB	R6,DW	Convert decimal to binary
00120A	4260	9297		00297		2721	STC	R6,DC#YYJJJ	Store right-most character (1-byte)
					2722	*		LB1010h	
00120E	D707	9330	9330	00330	00330	2723	XC	DW,DW	Clear DW
001214	D201	9336	4016	00336	00016	2724	MVC	DW+6(2),UAMCHGDT+2	Move 0JJJ portion (packed)
00121A	4F60	9330		00330		2725	CVB	R6,DW	Convert packed to binary
00121E	4060	9292		00292		2726	STH	R6,DC#HJJJ	Store binary result
001222	D201	9298	9292	00298	00292	2727	MVC	DC#YYJJJ+1(2),DC#HJJJ	
001228	4160	9297		00297		2728	LA	R6,DC#YYJJJ	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
00122C	5030	9320	00320		2729	ST	R3,SAVER3	Save R3, used by DATECONV
001230	4570	B904	01904		2730	BAL	R7,DATECONV	
001234	4570	B722	01722		2731	BAL	R7,DFMT	
001238	D207	92F2	92A9	002F2	002A9	2732	MVC	IMDTE,DATEWA+2
00123E	5830	9320	00320		2733	L	R3,SAVER3	Restore R3
					2734	*		
001242	F121	9330	4018	00330	00018	2735	MVO	DW(3),UAMCHGTM
001248	960F	9332		00332		2736	OI	DW+2,X'0F'
00124C	F342	92D2	9330	002D2	00330	2737	UNPK	ICHGTM(5),DW(3)
001252	D201	92FA	92D3	002FA	002D3	2738	MVC	IMTIM+0(2),ICHGTM+1
001258	927A	92FC		002FC		2739	MVI	IMTIM+2,C':'
00125C	D201	92FD	92D5	002FD	002D5	2740	MVC	IMTIM+3(2),ICHGTM+3
001262	927A	92FF		002FF		2741	MVI	IMTIM+5,C':'
001266	F110	9330	400F	00330	0000F	2742	MVO	DW(2),UAMCHGSS
00126C	960F	9331		00331		2743	OI	DW+1,X'0F'
001270	F321	92D2	9330	002D2	00330	2744	UNPK	ICHGTM(3),DW(2)
001276	D201	9300	92D3	00300	002D3	2745	MVC	IMTIM+6(2),ICHGTM+1
					2746	*		
00127C	1755				2747	XR	R5,R5	Clear R5
00127E	4850	401A		0001A		2748	LH	R5,UAMCURR
001282	4E50	9330		00330		2749	CVD	R5,DW
001286	F342	9302	9335	00302	00335	2750	UNPK	IRCUR,DW+5(3)
00128C	96F0	9306		00306		2751	OI	IRCUR+4,X'F0'
					2752	*		
001290	1755				2753	XR	R5,R5	Clear R5
001292	4850	401C		0001C		2754	LH	R5,UAMINIT
001296	4E50	9330		00330		2755	CVD	R5,DW
00129A	F342	9307	9335	00307	00335	2756	UNPK	IRINT,DW+5(3)
0012A0	96F0	930B		0030B		2757	OI	IRINT+4,X'F0'
					2758	*		
0012A4	1755				2759	XR	R5,R5	Clear R5
0012A6	4850	401E		0001E		2760	LH	R5,UAMMOD
0012AA	4E50	9330		00330		2761	CVD	R5,DW
0012AE	F342	930C	9335	0030C	00335	2762	UNPK	IRMOD,DW+5(3)
0012B4	96F0	9310		00310		2763	OI	IRMOD+4,X'F0'
					2764	*		
0012B8	D206	9311	4020	00311	00020	2765	MVC	IUSRID,UAMUID
					2766	*		
				012BE		2767	ADDTBZZ	EQU *
0012BE	4570	BCE4		01CE4		2768	BAL	R7,ADDTB
					2769	*		
0012C2	1814				2770	LR	R1,R4	Restore R1
					2771	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
				012C4	2773	PODCONT5	EQU *	LB1010h
0012C4	4113	100C	0000C		2774		LA R1,12(R3,R1)	Point past user data...
0012C8	1910				2775		CR R1,R0	End of DIR block?
0012CA	4740	B0C0	010C0		2776		BL PODENTRY	NO, process next entry
0012CE	47F0	B05E	0105E		2777		B PODREAD	YES, read next block
					2778	*		
0012D2	9601	9868	00868		2779	PODUSED	OI DIRSW,1	Passed Used blocks...
0012D6	D203	9870	986C	00870	2780		MVC PODBLKSU,PODBLKS	Store Used Blocks count
0012DC	47F0	B05E	0105E		2781		B PODREAD	Read next block
					2782	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
				012E0	2784	PODSYN	EQU *	IO ERROR from reading PDS DIR			
					2785		SYNADAF ACSMETH=BSAM	Obtain msg/err code for I/O error			
0012E0	41F0	F000	00000		2786+		LA 15,0(0,15)	ZERO HIGH ORDER BYTE	15138	31200016	
0012E4					2787+		CNOP 0,4		15138	32000016	
0012E4	56F0	B2EC	012EC		2788+		0 15,*+8	SET ACCESS METHOD IN REG. 15		33000013	
0012E8	47F0	B2F0	012F0		2789+		BC 15,*+8	BRANCH AROUND LIST		34000013	
0012EC	02				2790+		DC AL1(2)	ACCESS METHOD CODE		35000013	
0012ED	000000				2791+		DC AL3(0)			36000013	
0012F0	0A44				2792+		SVC 68	ISSUE SVC		51000013	
0012F2	D24D	90BA	102C	000BA	0002C	2793	MVC DJMSG(78),44(R1)	Move to &SYSLISTDSJMSG			
0012F8	9602	9868		00868	2794		OI DIRSW,2	I/O error setting			
					2795		SYNADRLS	Release msg buff/saveareas -SYNADAF			
0012FC	41F0	F000	00000		2796+		LA 15,0(0,15)	ZERO HIGH ORDER BYTE		27000013	
001300					2797+		CNOP 0,4			36000013	
001300	56F0	B308	01308		2798+		0 15,*+8	SET RELEASE CODE		45000013	
001304	47F0	B30C	0130C		2799+		B *+8	BRANCH AROUND CODE		54000019	
001308	FF000000				2800+		DC X'FF000000'	RELEASE CODE		63000013	
00130C	0A44				2801+		SVC 68	ISSUE SVC		72000013	
00130E	47F0	B358	01358		2802		B PODCNTS	Go Unpack DIR INFO and FREE PDS			
				01312	2804	PODERR	EQU *	SYNADAF Error			
					2805	*		Message already in DJMSG			
001312	47F0	B358	01358		2806		B PODCNTS	Go Unpack DIR INFO and FREE PDS			
				01316	2808	PODEOF	EQU *	End of File Detected (DCB)			
					2809		CLOSE ((R2)),MF=(E,PARMVL1)	Close PDS execute form			
001316	4110	98EC	008EC		2810+		LA 1,PARMVL1	LOAD PARAMETER REG 1		01900002	
00131A	43E1	0000	00000		2811+		IC 14,0(1,0)	SAVE OPTION BYTE		01140000	
00131E	5021	0000	00000		2812+		ST R2,0(1,0)	STORE DCB ADDR IN LIST		01320000	
001322	42E1	0000	00000		2813+		STC 14,0(1,0)	RESTORE OPTION BYTE		01340000	
001326	0A14				2814+		SVC 20	ISSUE CLOSE SVC		01640000	
001328	12FF				2815		LTR R15,R15	Successful?			
00132A	4780	B358	01358		2816		BZ PODCONT9	YES, continue...			
					2817	*		NO, ERROR, cannot close PDS			
00132E	D215	90BA	CA22	000BA	02A22	2818	MVC DJMSG(L'MSGJ031),MSGJ031	Move to &SYSLISTDSJMSG			
001334	4EF0	9330		00330	2819		CVD R15,DW	Convert to decimal			
001338	F321	90BD	9336	000BD	00336	2820	UNPK DJMSG+3(3),DW+6(2)	Unpack and			
00133E	96F0	90BF		000BF	2821		OI DJMSG+5,X'F0'	... force and F zone			
001342	D201	911E	C104	0011E	02104	2822	MVC DRSNCODE,=C'13'	Cannot close file error			
001348	D203	933C	C080	0033C	02080	2823	MVC RCEXIT,=F'04'				
00134E	D201	936A	C102	0036A	02102	2824	MVC RC,=C'04'				
001354	47F0	B438	01438		2825		B ENDME	Done, exit.			
					2826		PRINT NOGEN				
					2827	*					
				01358	2828	PODCONT9	EQU *				
					2829	*					

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
					2831 *	/* *****/	
					2832 *	/* PO Directory Information */	
					2833 *	/* Save block and member information */	
					2834 *	/* - R3, R7 Working Register */	
					2835 *	/* *****/	
			01358		2836 PODCNTS EQU *		
					2837 *	/* #Data source: 16 SYSADIRBLK */	
001358	5830	986C	0086C		2838	L R3,PODBLKS DIR Blocks	
00135C	4E30	9330	00330		2839	CVD R3,DW convert to decimal	
001360	F342	923B	9335 0023B	00335	2840	UNPK DDBLKS,DW+5(3) Unpack and	
001366	96F0	923F	0023F		2841	OI DDBLKS+4,X'F0' ... force F zone	
					2842 *		
					2843 *	/* #Data source: 17 SYSUDIRBLK */	
00136A	5830	9870	00870		2844	L R3,PODBLKSU DIR Blocks Used	
00136E	4E30	9330	00330		2845	CVD R3,DW convert to decimal	
001372	F342	9240	9335 00240	00335	2846	UNPK DDIRBKSU,DW+5(3) Unpack and	
001378	96F0	9244	00244		2847	OI DDIRBKSU+4,X'F0' ... force F zone	
					2848 *		
					2849 *	/* #Data source: 18 SYSNUDIRBLK */	
00137C	5830	986C	0086C		2850	L R3,PODBLKS DIR Blocks Unused (calculate)	
001380	5B30	9870	00870		2851	S R3,PODBLKSU	
001384	4E30	9330	00330		2852	CVD R3,DW convert to decimal	
001388	F342	9245	9335 00245	00335	2853	UNPK DDIRBKSN,DW+5(3) Unpack and	
00138E	96F0	9249	00249		2854	OI DDIRBKSN+4,X'F0' ... force F zone	
					2855 *		
					2856 *	/* #Data source: 19 SYSMEMBERS */	
001392	5830	9874	00874		2857	L R3,POMEMS PDS POMEMS	
001396	5A30	9878	00878		2858	A R3,POALIS plus PDS Aliases	
00139A	4E30	9330	00330		2859	CVD R3,DW convert to decimal	
00139E	F342	924A	9335 0024A	00335	2860	UNPK DMEMBERS,DW+5(3) Unpack and	
0013A4	96F0	924E	0024E		2861	OI DMEMBERS+4,X'F0' ... force F zone	
					2862 *		
					2863 *	/* #Data source: 20 SYSMEMBERSALIAS */	
0013A8	5830	9878	00878		2864	L R3,POALIS PDS Aliases	
0013AC	4E30	9330	00330		2865	CVD R3,DW convert to decimal	
0013B0	F342	924F	9335 0024F	00335	2866	UNPK DALIASES,DW+5(3) Unpack and	
0013B6	96F0	9253	00253		2867	OI DALIASES+4,X'F0' ... force F zone	
					2868 *		
			013BA		2869 PODX EQU *		
					2870 *		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					2872	*	/* *****/	
					2873	*	/* PDS Directory Information */	
					2874	*	/* Free PDS */	
					2875	*	/* -JMSG'RC=xxx Free PDS error' */	
					2876	*	/* - R7 Working Register */	
					2877	*	/* - R15 Working Register and RC exit code register */	
					2878	*	/* *****/	
				013BA	2879	PDSUNALC	EQU *	
0013BA	95D5	93AD	003AD		2880		CLI PDL,C'N'	Create Directory List? LB1010h
0013BE	4780	B3FE	013FE		2881		BE PODFREE	No, continue to free PDS LB1010h
					2882	*		Yes...ISPF clean up LB1010h
0013C2	4570	BD1A	01D1A		2883		BAL R7,SAVETB	Save ISPF table LB1010h
0013C6	4570	BD50	01D50		2884		BAL R7,CLOSETB	Close ISPF table LB1010h
0013CA	4570	BD86	01D86		2885		BAL R7,VARDELS	Delete ISPF functional variables LB1010h
0013CE	47F0	B3FE	013FE		2886		B PODFREE	Branch to free PDS LB1010h
					2887	*		LB1010h
				013D2	2888	ISPFERR	EQU *	LB1010h
0013D2	4EF0	9330	00330		2889		CVD R15,DW	Convert to decimal LB1010h
0013D6	F321	90BD	9336 000BD	00336	2890		UNPK DJMSG+3(3),DW+6(2)	Unpack and LB1010h
0013DC	96F0	90BF	000BF		2891		OI DJMSG+5,X'F0'	... force and F zone LB1010h
0013E0	D201	911E	C106 0011E	02106	2892		MVC DRSNCODE,=C'17'	System User Abend error LB1010h
0013E6	D203	933C	C068 0033C	02068	2893		MVC RCEXIT,=F'16'	LB1010h
0013EC	D201	936A	C0CA 0036A	020CA	2894		MVC RC,=C'16'	LB1010h
0013F2	95E8	987C	0087C		2895		CLI ALLOCPO,C'Y'	PDS Allocated Flag init to YES LB1010h
0013F6	4780	B3FE	013FE		2896		BE PODFREE	Yes, free PDS and exit LB1010h
0013FA	47F0	B438	01438		2897		B ENDME	No, exit. LB1010h
					2898	*		LB1010h
				013FE	2899	PODFREE	EQU *	LB1010h
					2900	*		LB1010h
0013FE	4570	B824	01824		2901		BAL R7,PDSFRE	FREE dataset
001402	12FF				2902		LTR R15,R15	Successful?
001404	4780	B438	01438		2903		BZ PODDIRXT	YES, Done.
					2904	*		NO, cannot FREE PDS
001408	D214	90BA	C949 000BA	02949	2905		MVC DJMSG(L'MSGJ018),MSGJ018	Move to &SYSLISTDSJMSG
00140E	4EF0	9330	00330		2906		CVD R15,DW	Convert to decimal
001412	F321	90BD	9336 000BD	00336	2907		UNPK DJMSG+3(3),DW+6(2)	Unpack and
001418	96F0	90BF	000BF		2908		OI DJMSG+5,X'F0'	... force and F zone
00141C	D201	911E	C100 0011E	02100	2909		MVC DRSNCODE,=C'02'	Dynam Alloc error
001422	D203	933C	C080 0033C	02080	2910		MVC RCEXIT,=F'04'	
001428	D201	936A	C102 0036A	02102	2911		MVC RC,=C'04'	
00142E	47F0	B438	01438		2912		B ENDME	Done, exit.
				01432	2913	PODDIRNN	EQU *	DIR option not valid
001432	D21C	90BA	C913 000BA	02913	2914		MVC DJMSG(L'MSGJ015),MSGJ015	Move to &SYSLISTDSJMSG
				01438	2916	PODDIRXT	EQU *	
					2917	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					2919	*	*/*****				
					2920	*	/* Pre-exit Processing				
					2921	*	/* - Create symbolic variables, FREEMAIN, and				
					2922	*	/* return to caller				
					2923	*	/* - R5, R7, R3, R4, R9 Working Register				
					2924	*	*/*****				
001438					2925	ENDME	DS 0H Pre-exit processing				
					2926	*					
					2927	*	/-----				
					2928	*	/* Create Symbolic Variables				
					2929	*	/-----				
				01438	2930	CR8SYMS	EQU *				
001438	4570	B894		01894	2931	BAL	R7,SETML2 Get DMSGL2 text and length				
00143C	D203	9364	9360	00364	00360	2932	MVC DMSGL2L,DMSGL1L				
					2933	*	/* #Data source: 03 SYMSGLVL1				
001442	D227	9148	9120	00148	00120	2934	MVC DMSGL2,DMSGL1				
					2935	*	/* #Data source: 04 SYMSGLVL2 via SETML1 subrtn				
001448	4570	B87E		0187E	2936	BAL	R7,SETML1 Get DMSGL1 text and length				
00144C	F810	936C	C13B	0036C	0213B	2937	ZAP SNN,=P'+0'				
					2938	LA	R3,S#@NUM Initialize Snn to 000				
001452	4130	002F		0002F	2939	LA	R4,S#@ Number of Symbolic Variables				
001456	4140	C36C		0236C	2940	*	/-----				
					2941	*	/* Loop through symbol parm table				
					2942	*	/-----				
				0145A	2943	S#@VAR	EQU *				
00145A	95E8	93AA		003AA	2944	CLI	PPNL,C'Y' PNL action for Snn vars?				
00145E	4770	B48A		0148A	2945	BNE	S#@VARLN NO, use Long Symbolic Names				
				01462	2946	S#@VARSN	EQU *				
					2947	UNPK	SNNUPK,SNN YES, use Short Symbolic Names				
001462	F321	9371	936C	00371	0036C	2948	OI SNNUPK+2,X'F0'				
001468	96F0	9373		00373	2949	MVI	SNNC,C'S' Panel Symbols are format 'Snn'				
00146C	92E2	936E		0036E	2950	MVC	SNNC+1(2),SNNUPK+1 Move right-most 2 digits				
001470	D201	936F	9372	0036F	00372	2951	LA R5,SNNC Set Var Name Address				
001476	4150	936E		0036E	2952	ST	R5,NAMP1				
00147A	5050	9064		00064	2953	LA	R5,3 Set Var Name Length				
00147E	4150	0003		00003	2954	ST	R5,NAML1				
001482	5050	9068		00068	2955	B	S#@VARC Branch to ...				
001486	47F0	B496		01496	2956	S#@VARLN	EQU *				
				0148A	2957	MVC	NAMP1,0(R4) Long Symbolic Names				
00148A	D203	9064	4000	00064	00000	2958	MVC NAML1,4(R4) Set Var Name Address				
001490	D203	9068	4004	00068	00004	2959	*				
				01496	2960	S#@VARC	EQU *				
001496	4854	0008		00008	2961	LH	R5,8(R4) Continue...				
00149A	4B50	C108		02108	2962	SH	R5,=X'9000'				
00149E	1A59				2963	AR	R5,R9 Subtract Base from S-adcon				
0014A0	5050	906C		0006C	2964	ST	R5,VALP1 Add Base R9 to displacement R5				
					2965	*					
0014A4	F910	936C	C13C	0036C	0213C	2966	CP SNN,=P'+3' Custom MSG1?				
0014AA	4780	B4BC		014BC	2967	BE	MSG11 YES.				
0014AE	F910	936C	C13D	0036C	0213D	2968	CP SNN,=P'+4' Custom MSG2?				
0014B4	4780	B4C4		014C4	2969	BE	MSG12 YES.				
0014B8	47F0	B4D0		014D0	2970	B	OTHR Normal				
					2971	*					

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
				014BC	2973	MSG11	EQU *	Custom MSG11
0014BC	5850	9360	00360		2974		L R5,DMSG11L	
0014C0	47F0	B4C8	014C8		2975		B MSG1X	
				014C4	2976	MSG12	EQU *	Custom MSG12
0014C4	5850	9364	00364		2977		L R5,DMSG12L	
				014C8	2978	MSG1X	EQU *	Custom common
0014C8	5050	9070	00070		2979		ST R5,VALL1	
0014CC	47F0	B4D6	014D6		2980		B CONTZ	
				014D0	2981	OTHR	EQU *	Normal
0014D0	D203	9070	400C	00070	0000C		MVC VALL1,12(R4)	Set Var Value Length
					2983	*		
				014D6	2984	CONTZ	EQU *	Continue...
0014D6	4550	B9DC	019DC		2985		BAL R5,SETVAR	Set Variable via IKJCT441
0014DA	4144	0010	00010		2986		LA R4,16(R4)	Bump to next Sym Var meta entry
0014DE	FA10	936C	C13E	0036C	0213E		AP SNN,=P'+1'	Increment seq no
0014E4	4630	B45A	0145A		2988		BCT R3,S#@VAR	
				014E8	2989	S#@VARXT	EQU *	
					2990	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
				014E8	2992	MYEXIT	EQU *	
					2993	*	/* *****/	
					2994	*	/* - Restore savearea, FREEMAIN, and	
					2995	*	/* return to caller	
					2996	*	/* *****/	
					2997	*		
					2998	*	/* -----*/	
					2999	*	/* R1 = my Working Storage Address from GETMAIN	
					3000	*	/* *****/	
0014E8	181D				3001		LR R1,R13 Working Storage Addr	
					3002	*		
					3003	*	/* -----*/	
					3004	*	/* Get callers savearea into R13 and overlay my R15	
					3005	*	/* to be returned to caller	
					3006	*	/* -----*/	
0014EA	58D0	9004	00004		3007		L R13,SAVEAREA+4 Restore R13	
0014EE	D203	9010	933C	00010	0033C	3008	MVC SAVEAREA+16(4),RCEXIT Set R15 to my exit value	
					3009	*		
					3010	*	/* -----*/	
					3011	*	/* Working Storage FREEMAIN	
					3012	*	/* -----*/	
0014F4	4100	0918	00918		3013		LA R0,WSAREAL Size of WSAREA DSECT	
					3014		FREEMAIN R, LV=(R0),A=(R1) Free Storage	
					3019	*		
					3020	*	/* -----*/	
					3021	*	/* Restore caller registers and return to caller	
					3022	*	/* -----*/	
					3023	****	LM R14,R12,12(R13) Restore R14 thru R12	
001500	58ED	000C	0000C		3024		L R14,12(R13) Restore R14	
001504	58F0	9010	00010		3025		L R15,SAVEAREA+16 R15 = RC for exit	
001508	980C	D014	00014		3026		LM R0,R12,20(R13) Restore R0 thru R12	
00150C	07FE				3027		BR R14 Return to caller	
					3028	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					3030	*	*/*****	
					3031	*	/* Error Setting	
					3032	*	/* - R15 Working Register and RC exit code register	
					3033	*	*/*****	
				0150E	3034	CAMRCERR	EQU *	
00150E	59F0	C090	02090		3035		C R15,=F'4'	RC = 4?
001512	4780	B53C	0153C		3036		BE CAMR04	YES.
001516	59F0	C094	02094		3037		C R15,=F'8'	RC = 8?
00151A	4780	B552	01552		3038		BE CAMR08	YES.
00151E	59F0	C098	02098		3039		C R15,=F'12'	RC = 12?
001522	4780	B568	01568		3040		BE CAMR12	YES.
					3041	*		NO, must be catalog error
001526	D201	911E	C10A	0011E 0210A	3042		MVC DRSNCODE,=C'21'	Catalog error, obtain err rc=8,12,16
00152C	D203	933C	C068	0033C 02068	3043		MVC RCEXIT,=F'16'	
001532	D201	936A	C0CA	0036A 020CA	3044		MVC RC,=C'16'	
001538	47F0	B438	01438		3045		B ENDME	Done, exit.
				0153C	3046	CAMR04	EQU *	
00153C	D201	911E	C10C	0011E 0210C	3047		MVC DRSNCODE,=C'22'	Volume not mounted
001542	D203	933C	C068	0033C 02068	3048		MVC RCEXIT,=F'16'	
001548	D201	936A	C0CA	0036A 020CA	3049		MVC RC,=C'16'	
00154E	47F0	B438	01438		3050		B ENDME	Done, exit.
				01552	3051	CAMR08	EQU *	
001552	D201	911E	C10E	0011E 0210E	3052		MVC DRSNCODE,=C'24'	Dataset not found
001558	D203	933C	C068	0033C 02068	3053		MVC RCEXIT,=F'16'	
00155E	D201	936A	C0CA	0036A 020CA	3054		MVC RC,=C'16'	
001564	47F0	B438	01438		3055		B ENDME	Done, exit.
				01568	3056	CAMR12	EQU *	
001568	D201	911E	C110	0011E 02110	3057		MVC DRSNCODE,=C'23'	Permanent I/O error
00156E	D203	933C	C068	0033C 02068	3058		MVC RCEXIT,=F'16'	
001574	D201	936A	C0CA	0036A 020CA	3059		MVC RC,=C'16'	
00157A	47F0	B438	01438		3060		B ENDME	Done, exit.
					3061	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
				0157E	3063	ERR4004	EQU *	
00157E	D203	933C	C09C	0033C	0209C	3064	MVC RCEXIT,=F'4004'	PARM not supplied
001584	4570	B7A0		017A0	3065		BAL R7,PREFXMSG	Prefix start of message
001588	D210	90C9	C8B2	000C9	028B2	3066	MVC DJMSG+15(MSG4004L),MSG4004	Move to &SYSLISTDSJMSG
					3067		TPUT DJMSG,MSG4004L+15	
0015A8	47F0	B6F6		016F6	3078		B RSN29	
				015AC	3079	ERR4005	EQU *	
0015AC	D203	933C	C0A0	0033C	020A0	3080	MVC RCEXIT,=F'4005'	PARM not supplied R1
0015B2	4570	B7A0		017A0	3081		BAL R7,PREFXMSG	Prefix start of message
0015B6	D210	90C9	C8B2	000C9	028B2	3082	MVC DJMSG+15(MSG4004L),MSG4004	Move to &SYSLISTDSJMSG
					3083		TPUT DJMSG,MSG4004L+15	
0015D4	47F0	B6F6		016F6	3094		B RSN29	
				015D8	3095	ERR4008	EQU *	
0015D8	D203	933C	C0A4	0033C	020A4	3096	MVC RCEXIT,=F'4008'	CPPL error no variables
0015DE	4570	B7A0		017A0	3097		BAL R7,PREFXMSG	Prefix start of message
0015E2	D210	90C9	C8C3	000C9	028C3	3098	MVC DJMSG+15(MSG4009L),MSG4009	Move to &SYSLISTDSJMSG
					3099		TPUT DJMSG,MSG4009L+15	
001600	47F0	B6F6		016F6	3110		B RSN29	
				01604	3111	ERR4009	EQU *	
001604	D203	933C	C0A8	0033C	020A8	3112	MVC RCEXIT,=F'4009'	CPPL error no variables ZERO
00160A	4570	B7A0		017A0	3113		BAL R7,PREFXMSG	Prefix start of message
00160E	D210	90C9	C8C3	000C9	028C3	3114	MVC DJMSG+15(MSG4009L),MSG4009	Move to &SYSLISTDSJMSG
					3115		TPUT DJMSG,MSG4009L+15	
00162C	47F0	B6F6		016F6	3126		B RSN29	
				01630	3127	ERR4010	EQU *	
001630	D203	933C	C0AC	0033C	020AC	3128	MVC RCEXIT,=F'4010'	CPPL error no variables NEGATIVE
001636	4570	B7A0		017A0	3129		BAL R7,PREFXMSG	Prefix start of message
00163A	D210	90C9	C8C3	000C9	028C3	3130	MVC DJMSG+15(MSG4009L),MSG4009	Move to &SYSLISTDSJMSG
					3131		TPUT DJMSG,MSG4009L+15	
001658	47F0	B6F6		016F6	3142		B RSN29	
				0165C	3143	ERR4097	EQU *	
00165C	D203	933C	C0B0	0033C	020B0	3144	MVC RCEXIT,=F'4097'	IKJDAIR not found, link error
001662	4570	B7A0		017A0	3145		BAL R7,PREFXMSG	Prefix start of message
001666	D215	90C9	C8D4	000C9	028D4	3146	MVC DJMSG+15(MSG4097L),MSG4097	Move to &SYSLISTDSJMSG
					3147		TPUT DJMSG,MSG4097L+15	
001684	47F0	B4E8		014E8	3158		B MYEXIT	
				01688	3159	ERR4098	EQU *	
001688	D203	933C	C0B4	0033C	020B4	3160	MVC RCEXIT,=F'4098'	IKJCT441 not found, link error
00168E	4570	B7A0		017A0	3161		BAL R7,PREFXMSG	Prefix start of message
001692	D216	90C9	C8EA	000C9	028EA	3162	MVC DJMSG+15(MSG4098L),MSG4098	Move to &SYSLISTDSJMSG
					3163		TPUT DJMSG,MSG4098L+15	
0016B0	47F0	B4E8		014E8	3174		B MYEXIT	
				016B4	3175	ERR4099	EQU *	
0016B4	D203	933C	C0B8	0033C	020B8	3176	MVC RCEXIT,=F'4099'	Program requires TSO
0016BA	4570	B7A0		017A0	3177		BAL R7,PREFXMSG	Prefix start of message
0016BE	D211	90C9	C901	000C9	02901	3178	MVC DJMSG+15(MSG4099L),MSG4099	Move to &SYSLISTDSJMSG
					3179		TPUT DJMSG,MSG4099L+15	
0016DC	47F0	B4E8		014E8	3190		B MYEXIT	
				016E0	3191	RSN28	EQU *	LB1010g
0016E0	D201	911E	C112	0011E	02112	3192	MVC DRSNCODE,=C'28'	DDN must be 1-8 characters
0016E6	D203	933C	C068	0033C	02068	3193	MVC RCEXIT,=F'16'	LB1010g
0016EC	D201	936A	C0CA	0036A	020CA	3194	MVC RC,=C'16'	LB1010g
0016F2	47F0	B438		01438	3195		B ENDME	Done, exit.
				016F6	3196	RSN29	EQU *	LB1010g
0016F6	D201	911E	C114	0011E	02114	3197	MVC DRSNCODE,=C'29'	DSN/DD must be specified

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
0016FC	D203	933C	C068	0033C	02068	3198	MVC	RCEXIT,=F'16'
001702	D201	936A	C0CA	0036A	020CA	3199	MVC	RC,=C'16'
001708	47F0	B438		01438		3200	B	ENDME
				0170C		3201	EQU	*
00170C	D201	911E	C116	0011E	02116	3202	MVC	DRSNCODE,=C'90'
001712	D203	933C	C068	0033C	02068	3203	MVC	RCEXIT,=F'16'
001718	D201	936A	C0CA	0036A	020CA	3204	MVC	RC,=C'16'
00171E	47F0	B438		01438		3205	B	ENDME
						3206	*	Done, exit.

LB1010g

DDN not found in TIOT

LB1010g

LB1010g

LB1010g

LB1010g

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
					3208 *	/* *****/	LB1001b
					3209 *	/* Subroutine - Format Date Layout (R7) */	LB1001b
					3210 *	/* DF(1) use date format MM_DD_CCYY */	LB1001b
					3211 *	/* DF(2) use date format DD_MM_CCYY */	LB1001b
					3212 *	/* DF(3) use date format YYYY_MM_DD DEFAULT */	LB1001b
					3213 *	/* DF(4) use date format YYYY_DD_MM */	LB1001b
					3214 *	/* *****/	LB1001b
					3215 *	/* *****/	LB1001b
				01722	3216 DFMT	EQU *	LB1001b
001722	95F2	92A6	002A6		3217	CLI DATEFMT,C'2' DF(2)?	LB1001b
001726	4720	B764	01764		3218	BH DFMT3 DF(3) or DF(4)	LB1001b
				0172A	3219 DFMT1	EQU * DF(1) or DF(2)	LB1001b
00172A	D200	92A9	92A5	002A9	002A5	3220 MVC DATEWA+2(1),DATESEP Date Separator value	LB1001b
001730	D200	92AC	92A5	002AC	002A5	3221 MVC DATEWA+5(1),DATESEP Date Separator value	LB1001b
001736	D203	92AD	92A1	002AD	002A1	3222 MVC DATEWA+6(4),DC#CCYY+1 CCYY	LB1001b
00173C	95F2	92A6	002A6		3223	CLI DATEFMT,C'2' DF(2)?	LB1001b
001740	4780	B754	01754		3224	BE DFMT2 YES.	LB1001b
				01744	3225 XFMT1	EQU * DF(1) MM_DD_CCYY	LB1001b
001744	D201	92A7	929B	002A7	0029B	3226 MVC DATEWA+0(2),DC#MM+1 MM	LB1001b
00174A	D201	92AA	929E	002AA	0029E	3227 MVC DATEWA+3(2),DC#DD+1 DD	LB1001b
001750	47F0	B79E	0179E		3228	B DFMTXT	LB1001b
				01754	3229 DFMT2	EQU * DF(2) DD_MM_CCYY	LB1001b
001754	D201	92A7	929E	002A7	0029E	3230 MVC DATEWA+0(2),DC#DD+1 DD	LB1001b
00175A	D201	92AA	929B	002AA	0029B	3231 MVC DATEWA+3(2),DC#MM+1 MM	LB1001b
001760	47F0	B79E	0179E		3232	B DFMTXT	LB1001b
				01764	3233 DFMT3	EQU * DF(3) or DF(4)	LB1001b
001764	D200	92AB	92A5	002AB	002A5	3234 MVC DATEWA+4(1),DATESEP Date Separator value	LB1001b
00176A	D200	92AE	92A5	002AE	002A5	3235 MVC DATEWA+7(1),DATESEP Date Separator value	LB1001b
001770	D203	92A7	92A1	002A7	002A1	3236 MVC DATEWA+0(4),DC#CCYY+1 CCYY	LB1001b
001776	95F4	92A6	002A6		3237	CLI DATEFMT,C'4' DF(4)?	LB1001b
00177A	4780	B78E	0178E		3238	BE DFMT4 YES.	LB1001b
				0177E	3239 XFMT3	EQU * DF(3) CCYY_MM_DD	LB1001b
00177E	D201	92AC	929B	002AC	0029B	3240 MVC DATEWA+5(2),DC#MM+1 MM	LB1001b
001784	D201	92AF	929E	002AF	0029E	3241 MVC DATEWA+8(2),DC#DD+1 DD	LB1001b
00178A	47F0	B79E	0179E		3242	B DFMTXT	LB1001b
				0178E	3243 DFMT4	EQU * DF(4) CCYY_DD_MM	LB1001b
00178E	D201	92AC	929E	002AC	0029E	3244 MVC DATEWA+5(2),DC#DD+1 DD	LB1001b
001794	D201	92AF	929B	002AF	0029B	3245 MVC DATEWA+8(2),DC#MM+1 MM	LB1001b
00179A	47F0	B79E	0179E		3246	B DFMTXT	LB1001b
				0179E	3247 DFMTXT	EQU *	LB1001b
00179E	07F7				3248	BR R7 Return to caller	LB1001b
					3249 *		LB1001b

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					3251	*	*/*****				
					3252	*	/* Subroutine - Prefix message	(R7)			
					3253	*	/* w/ 14-byte header 'LISTSDJ nnnn -'				
					3254	*	/* - R3, R7 Working Register				
					3255	*	*/*****				
				017A0	3256	PREFXMSG	EQU *				
0017A0	D207	90BA	A01E	000BA	0001E	3257	MVC	DJMSG+00(8),PGMID			
0017A6	5830	933C		0033C		3258	L	R3,RCEXIT	Load RCEXIT code value		
0017AA	4E30	9330		00330		3259	CVD	R3,DW	Convert to decimal		
0017AE	F342	90C2	9335	000C2	00335	3260	UNPK	DJMSG+08(5),DW+5(3)	Unpack		
0017B4	96F0	90C6		000C6		3261	OI	DJMSG+12,X'F0'	Force an F Zone		
0017B8	9240	90C2		000C2		3262	MVI	DJMSG+08,C' '	Blank out digit		
0017BC	9260	90C8		000C8		3263	MVI	DJMSG+14,C' -'	Blank out digit		
					3264	*					
0017C0	07F7				3265		BR	R7	Return to caller		
					3266	*					

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
					3268 *	/* *****/	
					3269 *	/* Subroutine - Allocate Dataset for DIR Info (R7) */	
					3270 *	/* - R0 Working Register */	
					3271 *	/* - R1 Working Register */	
					3272 *	/* - R2 Working Register */	
					3273 *	/* - R3 Working Register */	
					3274 *	/* - R5 Working Register */	
					3275 *	/* *****/	
			017C2		3276 PDSALC	EQU *	
					3277 *		
					3278 *	/* Build MYDAPL area comprised of 5 FW */	
					3279 *	/* using DAPL DSECT with data from CPPL */	
					3280 *		
0017C2	4110	96F0	006F0		3281	LA R1,MYDAPL MYDAPL area, 5 FW	
				00000	3282	USING DAPL,R1 Use DAPL DSECT	
0017C6	5820	96E8	006E8		3283	L R2,MYCPPLP MYCPPL address	
				00000	3284	USING CPPL,R2 Use CPPL DSECT	
0017CA	D203	1000	2004	00000	3285	MVC DAPLUPT(4),CPPLUPT Init DAPLUPT FW1	
0017D0	D203	1004	200C	00004	3286	MVC DAPLECT(4),CPPLECT Init DAPLECT FW2	
0017D6	4100	96EC		006EC	3287	LA R0,MYECB	
0017DA	5000	1008		00008	3288	ST R0,DAPLECB	
0017DE	D203	100C	2008	0000C	3289	MVC DAPLPSCB(4),CPPLPSCB Init DAPLPSCB FW4	
0017E4	4130	9708		00708	3290	LA R3,MYDAPB MYDAPB area, dynalloc block	
0017E8	5030	1010		00010	3291	ST R3,DAPLDAPB Init DAPLDAPB FW5	
					3292 *	/* ----- */	
					3293 *	/* Build DAPB08 Allocate Block for Dynamic */	
					3294 *	/* Allocation Interface Routine (DAIR) */	
					3295 *	/* ----- */	
				00000	3296	USING DAPB08,R3 Use DAPB08 DSECT	
0017EC	D253	3000	CA70	00000	3297	MVC 0(INPB08L,R3),INPB08 Init MYDAPB w X'08' entry code	
0017F2	4100	908C		0008C	3298	LA R0,DDSNL Name length and name of Dataset	LB1010e
0017F6	5000	3008		00008	3299	ST R0,DA08PDSN	
0017FA	D207	3014	C050	00014	3300	MVC DA08UNIT,=CL8'SYSALLDA' UNIT=SYSALLDA	
001800	D205	301C	9170	0001C	3301	MVC DA08SER(L'DVOLSER),DVOLSER VOL=SER=	
001806	9208	3044		00044	3302	MVI DA08DSP1,DA08SHR DISP=SHR	
00180A	4550	B83E		0183E	3303	BAL R5,DAIR Call DAIR	
00180E	12FF				3304	LTR R15,R15 Allocate successful?	
001810	4770	B822		01822	3305	BNZ PDSALCXT NO, exit	
001814	4130	9708		00708	3306	LA R3,MYDAPB YES, get DDN	
001818	D207	9860	300C	00860	3307	MVC DDNAME,DA08DDN	
00181E	92E8	987C		0087C	3308	MVI ALLOCPO,C'Y' PDS Allocated Flag init to YES	LB1010h
				01822	3309 PDSALCXT	EQU *	
					3310 *		
001822	07F7				3311	BR R7 Return to caller	
					3312 *		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19	
					3314 *	/* *****/		
					3315 *	/* Subroutine - Free Dataset (R7) */		
					3316 *	/* *****/		
			01824		3317 PDSFRE	EQU *		
					3318 *	/* ----- */		
					3319 *	/* Build DAPB18 Free Block for Dyanamic */		
					3320 *	/* Allocation Interface Routine (DAIR) */		
					3321 *	/* ----- */		
001824	4130	9708	00708		3322	LA R3,MYDAPB	Addr of MYDAPB for DAIR	
			00000		3323	USING DAPB18,R3	Use DAPB18 DSECT	
001828	D227	3000	CAC8	00000	02AC8	3324	MVC 0(INPB18L,R3),INPB18	Init MYDAPB w X'18' entry code
00182E	D207	300C	9860	0000C	00860	3325	MVC DA18DDN,DDNAME	
001834	4110	96F0		006F0		3326	LA R1,MYDAPL	Load R1 with block addr
001838	4550	B83E		0183E		3327	BAL R5,DAIR	Call DAIR
					3328 *			
			0183C		3329 PDSFREXT	EQU *		
					3330 *			
00183C	07F7				3331	BR R7	Return to caller	
					3332 *			
					3333 *	/* *****/		
					3334 *	/* Subroutine - DAIR Link (R5) */		
					3335 *	/* *****/		
			0183E		3336 DAIR	EQU *		
					3337	PRINT GEN		
					3338	LINK EP=IKJDAIR,MF=(E,(R1)),ERRET=ERR4097	Link	
00183E	1811				3339+	LR 1,(R1)	LOAD PARAMETER REG 1 02050002	
001840					3340+	CNOP 0,4	04900000	
001840	45F0	B858		01858	3341+	BAL 15,*+24	BRANCH AROUND CONSTANTS 04950000	
001844	00001850				3342+	DC A(*+12)	ADDR. OF PARM. LIST 05050000	
001848	80				3343+	DC X'80'	RETURN REQUESTED INDICATOR 06300000	
001849	000000				3344+	DC AL3(0)	DCB ADDRESS PARAMETER 06350000	
00184C	0000165C				3345+	DC A(ERR4097)	RETURN ADDRESS PARAMETER 06450000	
001850	C9D2D1C4C1C9D940				3346+	DC CL8'IKJDAIR'	EP PARAMETER 06750000	
001858	0A06				3347+	SVC 6	ISSUE LINK SVC 48000000	
					3348	PRINT NOGEN		
					3349 *			
00185A	07F5				3350	BR R5		
					3351 *			

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM
					3353	*	/* *****	0201 23.53 10/02/19
					3354	*	/* Subroutine - Sum Extents	(R7) */
					3355	*	/* - R0, R1 Working Registers	*/
					3356	*	/* - R2 Total CYL	*/
					3357	*	/* - R3 Total TRKS	*/
					3358	*	/* *****	*/
			0185C		3359	TOTEXTS	EQU *	
00185C	1B11				3360	SR	R1,R1	Use R1 and R0 for
00185E	1B00				3361	SR	R0,R0	...work CC and HH
001860	BF13	4006	00006		3362	ICM	R1,B'0011',6(R4)	CC High value
001864	BF03	4002	00002		3363	ICM	R0,B'0011',2(R4)	CC Low value
001868	1B10				3364	SR	R1,R0	Extent total
00186A	1A31				3365	AR	R3,R1	R3 = Total CYL (CC)
00186C	BF13	4008	00008		3367	ICM	R1,B'0011',8(R4)	HH High value
001870	4111	0001	00001		3368	LA	R1,1(R1)	HH, up by 1 to account for 0
001874	BF03	4004	00004		3369	ICM	R0,B'0011',4(R4)	HH Low value
001878	1B10				3370	SR	R1,R0	Extent total
00187A	1A21				3371	AR	R2,R1	R2 = Total TRKS (HH)
					3372	*		
00187C	07F7				3373	BR	R7	Return to caller
					3374	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
					3376 *	/* *****	/*
					3377 *	/* Subroutine - Set MSG1 Text and Length	(R7) */
					3378 *	/* Subroutine - Set MSG2 Text and Length	(R7) */
					3379 *	/* Set R5 to length of DMSG1 / DMSG2 text	*/
					3380 *	/* - R3, R4, R6 Working Registers	*/
					3381 *	/* - R5 Length of DMSG1 text	*/
					3382 *	/* *****	/*
			0187E		3383 SETML1	EQU *	
00187E	4130	C849	02849		3384	LA R3,RCTBLBEG	Addr of Return Code TBL
001882	4133	0068	00068		3385	LA R3,RCTBLLEN-1(R3)	Calc End Addr of Return Code TBL
001886	4140	C849	02849		3386	LA R4,RCTBLBEG	Addr of Return Code TBL
00188A	D201	9368	936A 00368	0036A	3387	MVC CD,RC	Return Code
001890	47F0	B8AA	018AA		3388	B CHKCD	
			01894		3389 SETML2	EQU *	
001894	4130	C65C	0265C		3390	LA R3,RSTBLBEG	Addr of Reason Code TBL
001898	4133	01EC	001EC		3391	LA R3,RSTBLLEN-1(R3)	Calc End Addr of Reason Code TBL
00189C	4140	C65C	0265C		3392	LA R4,RSTBLBEG	Addr of Reason Code TBL
0018A0	D201	9368	911E 00368	0011E	3393	MVC CD,DRSNCODE	Reason Code
0018A6	47F0	B8AA	018AA		3394	B CHKCD	
			018AA		3395 CHKCD	EQU *	Find Return Code
0018AA	1943				3396	CR R4,R3	Exhausted table?
0018AC	4720	B8CA	018CA		3397	BH CDNOFIND	Yes!
0018B0	D501	4000	9368 00000	00368	3398	CLC 0(2,R4),CD	Code match?
0018B6	4780	B8D8	018D8		3399	BE CDFFOUND	YES, found entry
					3400 *		NO, position to next Return Code ent
0018BA	4144	0002	00002		3401	LA R4,2(R4)	Point to len of current msg
0018BE	4A44	0000	00000		3402	AH R4,0(R4)	Add len of current msg
0018C2	4144	0002	00002		3403	LA R4,2(R4)	Adj for len of current msg
0018C6	47F0	B8AA	018AA		3404	B CHKCD	Check again.
			018CA		3405 CDNOFIND	EQU *	
0018CA	D201	9120	C118 00120	02118	3406	MVC DMSG1(2),=C'??'	Exhausted table lookup loop
0018D0	4150	0002	00002		3407	LA R5,2	.. msg '??', len=2
0018D4	47F0	B8FE	018FE		3408	B CDC1	
			018D8		3409 CDFFOUND	EQU *	
0018D8	4144	0002	00002		3410	LA R4,2(R4)	R4 = addr of current msg len
0018DC	4854	0000	00000		3411	LH R5,0(R4)	R5 = len of current msg
0018E0	4144	0002	00002		3412	LA R4,2(R4)	R4 = addr of current msg text
0018E4	4160	0028	00028		3413	LA R6,L'DMSG1	R6 = max length
0018E8	1956				3414	CR R5,R6	Max msg length?
0018EA	47D0	B8F0	018F0		3415	BNH MOVEML1	NO, move msg text L1
0018EE	1856				3416	LR R5,R6	Force max msg length
			018F0		3417 MOVEML1	EQU *	
0018F0	4450	B8F8	018F8		3418	EX R5,MVCMSG1	EX MSGVLV1 text from table
0018F4	47F0	B8FE	018FE		3419	B CDC1	
0018F8	D200	9120	4000 00120	00000	3420 MVCMSG1	MVC DMSG1(0),0(R4)	MVC DMSG1
			018FE		3421 CDC1	EQU *	
0018FE	5050	9360	00360		3422	ST R5,DMSG1L	Store Length
					3423 *		
001902	07F7				3424	BR R7	Return to caller
					3425 *		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					3427	*	/* *****	*/
					3428	*	/* Subroutine - Date Convert CCYY/JJJ	(R7) */
					3429	*	/* Date windowing of 70.	*/
					3430	*	/* - R5 Working Register	*/
					3431	*	/* *****	*/
				01904	3432	DATECONV	EQU *	
001904	D703	9338	9338	00338	00338	3433	XC	FW,FW Clear contents
00190A	D200	933B	6000	0033B	00000	3434	MVC	FW+3(1),0(R6) Get YY portion
001910	5850	9338		00338		3435	L	R5,FW Load FW to R5
001914	5950	C19C		0219C		3436	C	R5,Y2KWIN Before Y2k Window?
001918	4740	B924		01924		3437	BL	DATECY2 YES, assume CC 20
				0191C	3438	DATECY1	EQU *	
00191C	4155	076C		0076C		3439	LA	R5,1900(R5) NO, assume CC 19
001920	47F0	B928		01928		3440	B	DATECCNT Continue...
				01924	3441	DATECY2	EQU *	
001924	4155	07D0		007D0		3442	LA	R5,2000(R5) CC 20...
				01928	3443	DATECCNT	EQU *	
					3444	*	/* -----	*/
					3445	*	/* CCYY, JJJ	*/
					3446	*	/* -----	*/
001928	4E50	9330		00330		3447	CVD	R5,DW R5 to decimal
00192C	F342	92A0	9335	002A0	00335	3448	UNPK	DC#CCYY,DW+5(3) Unpack 0CCYY and
001932	96F0	92A4		002A4		3449	OI	DC#CCYY+4,X'F0' ... force and F zone
001936	D703	9338	9338	00338	00338	3450	XC	FW,FW Clear contents
00193C	D201	933A	6001	0033A	00001	3451	MVC	FW+2(2),1(R6) Get 0JJJ portion
001942	5850	9338		00338		3452	L	R5,FW ... and convert
001946	4E50	9330		00330		3453	CVD	R5,DW ... to decimal
00194A	F321	9294	9336	00294	00336	3454	UNPK	DC#JJJ,DW+6(2) Unpack JJJ and
001950	96F0	9296		00296		3455	OI	DC#JJJ+2,X'F0' ... force and F zone
					3456	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19	
				01954	3458	DATELEAP	EQU *		
001954	4130	0000	00000		3459	LA	R3,0	Leap Count (0 or 1)	
001958	4050	9292	00292		3460	STH	R5,DC#HJJJ	R5 contains JJJ	
00195C	4950	C11A	0211A		3461	CH	R5,=H'59'	R5 = JJJ, > 2/28?	
001960	47D0	B98E	0198E		3462	BNH	NOLEAP	NO, not leap year eligible	
					3463	*		YES, check for leap year	
001964	F234	928D	92A0	0028D	002A0	3464	PACK	DC#YR,DC#CCYY	Pack CCYY
00196A	FD31	928D	C11C	0028D	0211C	3465	DP	DC#YR,=P'100'	CCYY / 100
001970	F910	928F	C13F	0028F	0213F	3466	CP	DC#YR+2(2),=P'0'	Remainder 0?
001976	4720	B98E		0198E	3467	BH	NOLEAP	NO, not leap year	
00197A	FD31	928D	C11E	0028D	0211E	3468	DP	DC#YR,=P'400'	YES, check CCYY / 400
001980	F910	928F	C13F	0028F	0213F	3469	CP	DC#YR+2(2),=P'0'	Remainder 0?
001986	4720	B98E		0198E	3470	BH	NOLEAP	NO, not leap year	
				0198A	3471	YESLEAP	EQU *	YES, leap year	
00198A	4130	0001	00001		3472	LA	R3,1		
				0198E	3473	NOLEAP	EQU *		
00198E	4150	000C	0000C		3474	LA	R5,12	Number of Months, 12!	
001992	4160	C184	02184		3475	LA	R6,DAYSTBLJ	Addr of Julian Days Table,	
				01996	3476	CHKME	EQU *		
001996	4886	0000	00000		3477	LH	R8,0(R6)	Load R8 with month julian start days	
00199A	4950	C120	02120		3478	CH	R5,=H'2'	JAN or FEB?	
00199E	4780	B9A8	019A8		3479	BE	NOADD	YES,	
0019A2	4740	B9A8	019A8		3480	BL	NOADD	YES,	
0019A6	1A83				3481	AR	R8,R3	NO, Account for leap year	
				019A8	3482	NOADD	EQU *		
0019A8	4980	9292	00292		3483	CH	R8,DC#HJJJ	Found MONTH based on number of days?	
					3484	***	BE	DONELOOP	
0019AC	4740	B9B8	019B8		3485	BL	DONELOOP	YES, done.	
0019B0	4166	0002	00002		3486	LA	R6,2(R6)	NO, bump up to next month	
0019B4	4650	B996	01996		3487	BCT	R5,CHKME	Look again.	
				019B8	3489	DONELOOP	EQU *		
					3490	*	*/	*/	
					3491	*	*/ MM, DD	*/	
					3492	*	*/	*/	
					3493	*	R5 month		
0019B8	4E50	9330	00330		3494	CVD	R5,DW	R5 to decimal	
0019BC	F321	929A	9336	0029A	00336	3495	UNPK	DC#MM,DW+6(2)	Unpack 0MM and
0019C2	96F0	929C		0029C		3496	OI	DC#MM+2,X'F0'	... force and F zone
0019C6	4850	9292		00292		3497	LH	R5,DC#HJJJ	Load R5 with JJJ
0019CA	1B58				3498	SR	R5,R8	JJJ - Julian Days in Month	
0019CC	4E50	9330	00330		3499	CVD	R5,DW	R5 to decimal	
0019D0	F321	929D	9336	0029D	00336	3500	UNPK	DC#DD,DW+6(2)	Unpack 0DD and
0019D6	96F0	929F		0029F		3501	OI	DC#DD+2,X'F0'	... force and F zone
					3502	*			
0019DA	07F7				3503	BR	R7	Return to caller	
					3504	*			

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
					3506 *	/* *****	
					3507 *	/* Subroutine - Store Symbolic Variable (R5) */	
					3508 *	/* -JMSG'RC=xxx IKJCT441 error w zzzzzzzzzzzzzzzzzzzzz' */	
					3509 *	/* *****	
0019DC	4110	904C	0004C	019DC	3510 SETVAR	EQU *	
					3511	LA R1,CT441LST R1 = Parm List	
					3512 *	PRINT GEN	
0019E0	58F0	9048	00048		3513 **	LINK EP=IKJCT441,ERRET=ERR4098 Link	LB1010i
0019E4	05EF				3514	L R15,IKJCT441	LB1010i
					3515	BALR R14,R15	LB1010i
					3516 *	PRINT NOGEN	
0019E6	50F0	9318	00318		3517	ST R15,SAVER15 SAVE R15	
					3518 *	DISPLAY DATA=((R15),R,)	
0019EA	12FF				3519	LTR R15,R15 R15=0?	
0019EC	4780	BA2A	01A2A		3520	BZ SETVARXT YES.	
					3521 *	NO.	
0019F0	D229	90BA	C9E3	000BA	029E3	3522 MVC DJMSG(L'MSGJ027),MSGJ027 Move to &SYSLISTDSJMSG	
0019F6	4EF0	9330		00330		3523 CVD R15,DW Convert to decmial	
0019FA	F321	90BD	9336	000BD	00336	3524 UNPK DJMSG+3(3),DW+6(2) Unpack and	
001A00	96F0	90BF		000BF		3525 OI DJMSG+5,X'F0' ... force and F zone	
001A04	5800	9064		00064		3526 L R0,NAMP1	
001A08	5810	9068		00068		3527 L R1,NAML1 18	
001A0C	5910	C0BC		020BC		3528 C R1,=F'18'	
001A10	4720	BA18		01A18		3529 BH MVCMAX	
001A14	47F0	BA1C		01A1C		3530 B MVCOK	
				01A18	3531 MVCMAX	EQU *	
001A18	4110	0012		00012		3532 LA R1,18	
				01A1C	3533 MVCOK	EQU *	
001A1C	4410	BA24		01A24		3534 EX R1,MVCSYS	
001A20	47F0	BA2A		01A2A		3535 B SETVARXT	
001A24	D200	90D2	0000	000D2	00000	3536 MVCSYS MVC DJMSG+24(00),0(R0)	
					3537 *		
				01A2A	3538 SETVARXT	EQU *	
001A2A	07F5				3539	BR R5 Return to caller	
					3540 *		
					3541 *	/* *****	
					3542 *	/* Return codes for IKJCT441 */	
					3543 *	/*	
					3544 *	/* 0 - SUCCESS */	
					3545 *	/* 4 - VARIABLE RETURNED SHOULDN'T BE RE-SCANNED */	
					3546 *	/* 8 - VARIABLE RETURNED REQUIRES EVALUATION */	
					3547 *	/* 12 - VARIABLE RETURNED IS A LABEL (CANNOT UPDATE) */	
					3548 *	/* 16 - SYSTEM VARIABLE - CAN'T BE UPDATED BY THE USER */	
					3549 *	/* 20 - FOR LOCATE - NO MORE VARIABLES TO RETURN */	
					3550 *	/* 32 - GETMAIN/FREEMAIN FAILURE */	
					3551 *	/* 36 - NAME LENGTH < 1 OR > 252 */	
					3552 *	/* -OR- VALUE LENGTH < 0 OR > 32767 */	
					3553 *	/* 40 - INCORRECT ENVIRONMENT - */	
					3554 *	/* PLIST ERROR OR NO CLIST ACTIVE */	
					3555 *	/* 44 - INVALID ENTRY CODE */	
					3556 *	/* 52 - UNDEFINED VARIABLE */	
					3557 *	/*	
					3558 *	/* *****	
					3559 *		LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					3561	*	/* ***** */	LB1010h
					3562	*	/* Subroutine - ISPF VDEFINE (R7) */	LB1010h
					3563	*	/* - R5, R1, R14, R15 Working Registers */	LB1010h
					3564	*	/* ***** */	LB1010h
				01A2C	3565	VARDEFS	EQU *	LB1010h
					3566	*	/* CALL ISPLINK, (VDEFINE, IMEMBRN, IMEMBR, CHAR, IMEMBRL), VL */	LB1010h
				01A2C	3567	VDEF1	EQU *	LB1010h
001A2C	D207	90C1	CAF0	000C1	02AF0	3568	MVC DJMSG+7(L'VDEFINE),VDEFINE	LB1010h
001A32	4150	CAF0		02AF0		3569	LA R5,VDEFINE ISP Service	LB1010h
001A36	5050	9078		00078		3570	ST R5,ISFPF1	LB1010h
001A3A	4150	CB91		02B91		3571	LA R5,IMEMBRN Member Name	LB1010h
001A3E	5050	907C		0007C		3572	ST R5,ISFPF2	LB1010h
001A42	4150	92D7		002D7		3573	LA R5,IMEMBR Data Variable	LB1010h
001A46	5050	9080		00080		3574	ST R5,ISFPF3	LB1010h
001A4A	4150	CB38		02B38		3575	LA R5,CHAR Data Type	LB1010h
001A4E	5050	9084		00084		3576	ST R5,ISFPF4	LB1010h
001A52	4150	CBE4		02BE4		3577	LA R5,IMEMBRL Data Length	LB1010h
001A56	5050	9088		00088		3578	ST R5,ISFPF5	LB1010h
001A5A	9680	9088		00088		3579	OI ISFPF5,X'80' VL mark	LB1010h
001A5E	4110	9078		00078		3580	LA R1,ISFPF1 Load Parm	LB1010h
001A62	58F0	9074		00074		3581	L R15,ISPLINK Call ISPLINK	LB1010h
001A66	05EF					3582	BALR R14,R15	LB1010h
001A68	12FF					3583	LTR R15,R15	LB1010h
001A6A	4780	BA78		01A78		3584	BZ VDEF2	LB1010h
001A6E	D207	90CA	CB91	000CA	02B91	3585	MVC DJMSG+16(L'IMEMBRN),IMEMBRN	LB1010h
001A74	47F0	B3D2		013D2		3586	B ISPFERR	LB1010h
				01A78	3587	VDEF2	EQU *	LB1010h
					3588	* * * /*	CALL ISPLINK, (VDEFINE, ITTRPN, ITTRP, CHAR, ITTRPL), VL */	LB1010h
001A78	4150	CB99		02B99		3589	LA R5,ITTRPN TTR	LB1010h
001A7C	5050	907C		0007C		3590	ST R5,ISFPF2	LB1010h
001A80	4150	92DF		002DF		3591	LA R5,ITTRP Data Variable	LB1010h
001A84	5050	9080		00080		3592	ST R5,ISFPF3	LB1010h
001A88	4150	CBE8		02BE8		3593	LA R5,ITTRPL Data Length	LB1010h
001A8C	5050	9088		00088		3594	ST R5,ISFPF5	LB1010h
001A90	9680	9088		00088		3595	OI ISFPF5,X'80' VL mark	LB1010h
001A94	4110	9078		00078		3596	LA R1,ISFPF1 Load Parm	LB1010h
001A98	58F0	9074		00074		3597	L R15,ISPLINK Call ISPLINK	LB1010h
001A9C	05EF					3598	BALR R14,R15	LB1010h
001A9E	12FF					3599	LTR R15,R15	LB1010h
001AA0	4780	BAAE		01AAE		3600	BZ VDEF3	LB1010h
001AA4	D207	90CA	CB99	000CA	02B99	3601	MVC DJMSG+16(L'ITTRPN),ITTRPN	LB1010h
001AAA	47F0	B3D2		013D2		3602	B ISPFERR	LB1010h
				01AAE	3603	VDEF3	EQU *	LB1010h
					3604	* * * /*	CALL ISPLINK, (VDEFINE, IVVMN, IVVMM, CHAR, IVVMML), VL */	LB1010h
001AAE	4150	CBA1		02BA1		3605	LA R5,IVVMN Version-Modification	LB1010h
001AB2	5050	907C		0007C		3606	ST R5,ISFPF2	LB1010h
001AB6	4150	92E5		002E5		3607	LA R5,IVVMM Data Variable	LB1010h
001ABA	5050	9080		00080		3608	ST R5,ISFPF3	LB1010h
001ABE	4150	CBEC		02BEC		3609	LA R5,IVVMML Data Length	LB1010h
001AC2	5050	9088		00088		3610	ST R5,ISFPF5	LB1010h
001AC6	9680	9088		00088		3611	OI ISFPF5,X'80' VL mark	LB1010h
001ACA	4110	9078		00078		3612	LA R1,ISFPF1 Load Parm	LB1010h
001ACE	58F0	9074		00074		3613	L R15,ISPLINK Call ISPLINK	LB1010h
001AD2	05EF					3614	BALR R14,R15	LB1010h
001AD4	12FF					3615	LTR R15,R15	LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
001AD6	4780	BAE4	01AE4		3616	BZ	VDEF4	LB1010h
001ADA	D207	90CA	CBA1	000CA	02BA1	3617	MVC	DJMSG+16(L'IVVMN),IVVMN
001AE0	47F0	B3D2		013D2	3618	B	ISPFERR	LB1010h
				01AE4	3619	VDEF4	EQU *	LB1010h
					3620	* * *	/* CALL ISPLINK,(VDEFINE,ICDTEN,ICDTE,CHAR,ICDTEL),VL */	LB1010h
001AE4	4150	CBA9		02BA9	3621	LA	R5,ICDTEN	LB1010h
001AE8	5050	907C		0007C	3622	ST	R5,ISFPF2	LB1010h
001AEC	4150	92EA		002EA	3623	LA	R5,ICDTE	LB1010h
001AF0	5050	9080		00080	3624	ST	R5,ISFPF3	LB1010h
001AF4	4150	CBF0		02BF0	3625	LA	R5,ICDTEL	LB1010h
001AF8	5050	9088		00088	3626	ST	R5,ISFPF5	LB1010h
001AFC	9680	9088		00088	3627	OI	ISFPF5,X'80'	LB1010h
001B00	4110	9078		00078	3628	LA	R1,ISFPF1	LB1010h
001B04	58F0	9074		00074	3629	L	R15,ISPLINK	LB1010h
001B08	05EF				3630	BALR	R14,R15	LB1010h
001B0A	12FF				3631	LTR	R15,R15	LB1010h
001B0C	4780	BB1A		01B1A	3632	BZ	VDEF5	LB1010h
001B10	D207	90CA	CBA9	000CA	02BA9	3633	MVC	DJMSG+16(L'ICDTEN),ICDTEN
001B16	47F0	B3D2		013D2	3634	B	ISPFERR	LB1010h
				01B1A	3635	VDEF5	EQU *	LB1010h
					3636	* * *	/* CALL ISPLINK,(VDEFINE,IMDTEN,IMDTE,CHAR,IMDTEL),VL */	LB1010h
001B1A	4150	CBB1		02BB1	3637	LA	R5,IMDTEN	LB1010h
001B1E	5050	907C		0007C	3638	ST	R5,ISFPF2	LB1010h
001B22	4150	92F2		002F2	3639	LA	R5,IMDTE	LB1010h
001B26	5050	9080		00080	3640	ST	R5,ISFPF3	LB1010h
001B2A	4150	CBF4		02BF4	3641	LA	R5,IMDTEL	LB1010h
001B2E	5050	9088		00088	3642	ST	R5,ISFPF5	LB1010h
001B32	9680	9088		00088	3643	OI	ISFPF5,X'80'	LB1010h
001B36	4110	9078		00078	3644	LA	R1,ISFPF1	LB1010h
001B3A	58F0	9074		00074	3645	L	R15,ISPLINK	LB1010h
001B3E	05EF				3646	BALR	R14,R15	LB1010h
001B40	12FF				3647	LTR	R15,R15	LB1010h
001B42	4780	BB50		01B50	3648	BZ	VDEF6	LB1010h
001B46	D207	90CA	CBB1	000CA	02BB1	3649	MVC	DJMSG+16(L'IMDTEN),IMDTEN
001B4C	47F0	B3D2		013D2	3650	B	ISPFERR	LB1010h
				01B50	3651	VDEF6	EQU *	LB1010h
					3652	* * *	/* CALL ISPLINK,(VDEFINE,IRINTN,IRINT,CHAR,IRINTL),VL */	LB1010h
001B50	4150	CBC9		02BC9	3653	LA	R5,IRINTN	LB1010h
001B54	5050	907C		0007C	3654	ST	R5,ISFPF2	LB1010h
001B58	4150	9307		00307	3655	LA	R5,IRINT	LB1010h
001B5C	5050	9080		00080	3656	ST	R5,ISFPF3	LB1010h
001B60	4150	CC00		02C00	3657	LA	R5,IRINTL	LB1010h
001B64	5050	9088		00088	3658	ST	R5,ISFPF5	LB1010h
001B68	9680	9088		00088	3659	OI	ISFPF5,X'80'	LB1010h
001B6C	4110	9078		00078	3660	LA	R1,ISFPF1	LB1010h
001B70	58F0	9074		00074	3661	L	R15,ISPLINK	LB1010h
001B74	05EF				3662	BALR	R14,R15	LB1010h
001B76	12FF				3663	LTR	R15,R15	LB1010h
001B78	4780	BB86		01B86	3664	BZ	VDEF7	LB1010h
001B7C	D207	90CA	CBC9	000CA	02BC9	3665	MVC	DJMSG+16(L'IRINTN),IRINTN
001B82	47F0	B3D2		013D2	3666	B	ISPFERR	LB1010h
				01B86	3667	VDEF7	EQU *	LB1010h
					3668	* * *	/* CALL ISPLINK,(VDEFINE,IRCURN,IRCUR,CHAR,IRCURL),VL */	LB1010h
001B86	4150	CBC1		02BC1	3669	LA	R5,IRCURN	LB1010h
001B8A	5050	907C		0007C	3670	ST	R5,ISFPF2	LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
001B8E	4150	9302	00302		3671	LA	R5, IRCUR	Data Variable LB1010h
001B92	5050	9080	00080		3672	ST	R5, ISFPF3	LB1010h
001B96	4150	CBFC	02BFC		3673	LA	R5, IRCURL	Data Length LB1010h
001B9A	5050	9088	00088		3674	ST	R5, ISFPF5	LB1010h
001B9E	9680	9088	00088		3675	OI	ISFPF5, X'80'	VL mark LB1010h
001BA2	4110	9078	00078		3676	LA	R1, ISFPF1	Load Parm LB1010h
001BA6	58F0	9074	00074		3677	L	R15, ISPLINK	Call ISPLINK LB1010h
001BAA	05EF				3678	BALR	R14, R15	LB1010h
001BAC	12FF				3679	LTR	R15, R15	LB1010h
001BAE	4780	BBBC	01BBC		3680	BZ	VDEF8	LB1010h
001BB2	D207	90CA	CBC1 000CA	02BC1	3681	MVC	DJMSG+16(L'IRCURN), IRCURN	LB1010h
001BB8	47F0	B3D2	013D2		3682	B	ISPFERR	LB1010h
			01BBC		3683	EQU	*	LB1010h
					3684	* * * /*	CALL ISPLINK, (VDEFINE, IRMODN, IRMOD, CHAR, IRMODL), VL */	LB1010h
001BBC	4150	CBD1	02BD1		3685	LA	R5, IRMODN	Record Count Modified LB1010h
001BC0	5050	907C	0007C		3686	ST	R5, ISFPF2	LB1010h
001BC4	4150	930C	0030C		3687	LA	R5, IRMOD	Data Variable LB1010h
001BC8	5050	9080	00080		3688	ST	R5, ISFPF3	LB1010h
001BCC	4150	CC04	02C04		3689	LA	R5, IRMODL	Data Length LB1010h
001BD0	5050	9088	00088		3690	ST	R5, ISFPF5	LB1010h
001BD4	9680	9088	00088		3691	OI	ISFPF5, X'80'	VL mark LB1010h
001BD8	4110	9078	00078		3692	LA	R1, ISFPF1	Load Parm LB1010h
001BDC	58F0	9074	00074		3693	L	R15, ISPLINK	Call ISPLINK LB1010h
001BE0	05EF				3694	BALR	R14, R15	LB1010h
001BE2	12FF				3695	LTR	R15, R15	LB1010h
001BE4	4780	BBF2	01BF2		3696	BZ	VDEF9	LB1010h
001BE8	D207	90CA	CBD1 000CA	02BD1	3697	MVC	DJMSG+16(L'IRMODN), IRMODN	LB1010h
001BEE	47F0	B3D2	013D2		3698	B	ISPFERR	LB1010h
			01BF2		3699	EQU	*	LB1010h
					3700	* * * /*	CALL ISPLINK, (VDEFINE, IUSRIDN, IUSRID, CHAR, IUSRIDL), VL */	LB1010h
001BF2	4150	CBD9	02BD9		3701	LA	R5, IUSRIDN	User ID LB1010h
001BF6	5050	907C	0007C		3702	ST	R5, ISFPF2	LB1010h
001BFA	4150	9311	00311		3703	LA	R5, IUSRID	Data Variable LB1010h
001BFE	5050	9080	00080		3704	ST	R5, ISFPF3	LB1010h
001C02	4150	CC08	02C08		3705	LA	R5, IUSRIDL	Data Length LB1010h
001C06	5050	9088	00088		3706	ST	R5, ISFPF5	LB1010h
001C0A	9680	9088	00088		3707	OI	ISFPF5, X'80'	VL mark LB1010h
001C0E	4110	9078	00078		3708	LA	R1, ISFPF1	Load Parm LB1010h
001C12	58F0	9074	00074		3709	L	R15, ISPLINK	Call ISPLINK LB1010h
001C16	05EF				3710	BALR	R14, R15	LB1010h
001C18	12FF				3711	LTR	R15, R15	LB1010h
001C1A	4780	BC28	01C28		3712	BZ	VDEF10	LB1010h
001C1E	D207	90CA	CBD9 000CA	02BD9	3713	MVC	DJMSG+16(L'IUSRIDN), IUSRIDN	LB1010h
001C24	47F0	B3D2	013D2		3714	B	ISPFERR	LB1010h
			01C28		3715	EQU	*	LB1010h
					3716	* * * /*	CALL ISPLINK, (VDEFINE, IMTIMN, IMTIM, CHAR, IMTIML), VL */	LB1010h
001C28	4150	CBB9	02BB9		3717	LA	R5, IMTIMN	Modify Time hh:mm:ss LB1010h
001C2C	5050	907C	0007C		3718	ST	R5, ISFPF2	LB1010h
001C30	4150	92FA	002FA		3719	LA	R5, IMTIM	Data Variable LB1010h
001C34	5050	9080	00080		3720	ST	R5, ISFPF3	LB1010h
001C38	4150	CBF8	02BF8		3721	LA	R5, IMTIML	Data Length LB1010h
001C3C	5050	9088	00088		3722	ST	R5, ISFPF5	LB1010h
001C40	9680	9088	00088		3723	OI	ISFPF5, X'80'	VL mark LB1010h
001C44	4110	9078	00078		3724	LA	R1, ISFPF1	Load Parm LB1010h
001C48	58F0	9074	00074		3725	L	R15, ISPLINK	Call ISPLINK LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19	
001C4C	05EF				3726	BALR	R14, R15	LB1010h	
001C4E	12FF				3727	LTR	R15, R15	LB1010h	
001C50	4780	BC5E	01C5E		3728	BZ	VDEF11	LB1010h	
001C54	D207	90CA	CBB9	000CA	02BB9	3729	MVC	DJMSG+16(L'IMTIMN), IMTIMN	LB1010h
001C5A	47F0	B3D2	013D2		3730	B	ISPFERR	LB1010h	
			01C5E		3731	VDEF11	EQU *	LB1010h	
			01C5E		3732	VARDEFSX	EQU *	LB1010h	
001C5E	07F7				3733	BR	R7	LB1010h	
					3734	*	Return to caller	LB1010h	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
					3736 *	/* *****/	LB1010h
					3737 *	/* Subroutine - ISPF TBERASE (R7) */	LB1010h
					3738 *	/* - R5, R1, R14, R15 Working Registers */	LB1010h
					3739 *	/* *****/	LB1010h
			01C60		3740 ERASETB	EQU *	LB1010h
					3741 * * *	/* CALL ISPLINK, (TBERASE, TBN), VL */	LB1010h
			01C60		3742 ERASE01	EQU *	LB1010h
001C60	D207	90C1 CB10	000C1	02B10	3743	MVC DJMSG+7(L'TBERASE), TBERASE	LB1010h
					3744 *	CALL ISPLINK, (TBERASE, TBN), VL	LB1010h
001C66	4150	CB10	02B10		3745	LA R5, TBERASE ISP Service	LB1010h
001C6A	5050	9078	00078		3746	ST R5, ISFPF1	LB1010h
001C6E	4150	92B6	002B6		3747	LA R5, TBN Table Name	LB1010h
001C72	5050	907C	0007C		3748	ST R5, ISFPF2	LB1010h
001C76	9680	907C	0007C		3749	OI ISFPF2, X'80' VL mark	LB1010h
001C7A	4110	9078	00078		3750	LA R1, ISFPF1 Load Parns	LB1010h
001C7E	58F0	9074	00074		3751	L R15, ISPLINK Call ISPLINK	LB1010h
001C82	05EF				3752	BALR R14, R15	LB1010h
001C84	12FF				3753	LTR R15, R15	LB1010h
001C86	4780	BC9C	01C9C		3754	BZ ERASETBX Table erased...	LB1010h
001C8A	59F0	C094	02094		3755	C R15, =F'8'	LB1010h
001C8E	4780	BC9C	01C9C		3756	BE ERASETBX Table not found...	LB1010h
001C92	D207	90CA 92B6	000CA	002B6	3757	MVC DJMSG+16(L'TBN), TBN	LB1010h
001C98	47F0	B3D2	013D2		3758	B ISPFERR	LB1010h
			01C9C		3759 ERASETBX	EQU *	LB1010h
001C9C	07F7				3760	BR R7 Return to caller	LB1010h
					3761 *		LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
					3763	* /* *****/	LB1010h
					3764	* /* Subroutine - ISPF TBCREATE (R7) */	LB1010h
					3765	* /* - R5, R1, R14, R15 Working Registers */	LB1010h
					3766	* /* *****/	LB1010h
			01C9E		3767	CREATETB EQU *	LB1010h
					3768	* * * /* CALL ISPLINK, (TBCREATE, TBN, KLIST, NLIST), VL */	LB1010h
			01C9E		3769	CRE8TB1 EQU *	LB1010h
001C9E	D207	90C1 CB00	000C1	02B00	3770	MVC DJMSG+7(L'TBCREATE), TBCREATE	LB1010h
					3771	* CALL ISPLINK, (TBCREATE, TBN, KLIST, NLIST, NOWRITE, SHARE), VL	LB1010h
					3772	* CALL ISPLINK, (TBCREATE, TBN, KLIST, NLIST), VL	LB1010h
001CA4	4150	CB00		02B00	3773	LA R5, TBCREATE ISP Service	LB1010h
001CA8	5050	9078		00078	3774	ST R5, ISFPF1	LB1010h
001CAC	4150	92B6		002B6	3775	LA R5, TBN Table Name	LB1010h
001CB0	5050	907C		0007C	3776	ST R5, ISFPF2	LB1010h
001CB4	4150	CB51		02B51	3777	LA R5, KLIST Key List	LB1010h
001CB8	5050	9080		00080	3778	ST R5, ISFPF3	LB1010h
001CBC	4150	CB59		02B59	3779	LA R5, NLIST Name List	LB1010h
001CC0	5050	9084		00084	3780	ST R5, ISFPF4	LB1010h
001CC4	9680	9084		00084	3781	OI ISFPF4, X'80' VL mark	LB1010h
001CC8	4110	9078		00078	3782	LA R1, ISFPF1 Load Parm	LB1010h
001CCC	58F0	9074		00074	3783	L R15, ISPLINK Call ISPLINK	LB1010h
001CD0	05EF				3784	BALR R14, R15	LB1010h
001CD2	12FF				3785	LTR R15, R15	LB1010h
001CD4	4780	BCE2		01CE2	3786	BZ CREATETX	LB1010h
001CD8	D207	90CA 92B6	000CA	002B6	3787	MVC DJMSG+16(L'TBN), TBN	LB1010h
001CDE	47F0	B3D2		013D2	3788	B ISPFERR	LB1010h
			01CE2		3789	CREATETX EQU *	LB1010h
001CE2	07F7				3790	BR R7 Return to caller	LB1010h
					3791	*	LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
					3793	* /******	LB1010h
					3794	* /* Subroutine - ISPF TBADD (R7) */	LB1010h
					3795	* /* - R5, R1, R14, R15 Working Registers */	LB1010h
					3796	* /******	LB1010h
			01CE4		3797	ADDTB EQU *	LB1010h
					3798	* * * /* CALL ISPLINK, (TBADD, TBN), VL */	LB1010h
			01CE4		3799	ADDTB1 EQU *	LB1010h
001CE4	D207	90C1	CB08	000C1	02B08	3800 MVC DJMSG+7(L'TBADD), TBADD	LB1010h
					3801	* CALL ISPLINK, (TBADD, TBN), VL	LB1010h
001CEA	4150	CB08		02B08	3802	LA R5, TBADD ISP Service	LB1010h
001CEE	5050	9078		00078	3803	ST R5, ISFPF1	LB1010h
001CF2	4150	92B6		002B6	3804	LA R5, TBN Table Name	LB1010h
001CF6	5050	907C		0007C	3805	ST R5, ISFPF2	LB1010h
001CFA	9680	907C		0007C	3806	OI ISFPF2, X'80' VL mark	LB1010h
001CFE	4110	9078		00078	3807	LA R1, ISFPF1 Load Parm	LB1010h
001D02	58F0	9074		00074	3808	L R15, ISPLINK Call ISPLINK	LB1010h
001D06	05EF				3809	BALR R14, R15	LB1010h
001D08	12FF				3810	LTR R15, R15	LB1010h
001D0A	4780	BD18		01D18	3811	BZ ADDTBX	LB1010h
001D0E	D207	90CA	92B6	000CA	002B6	3812 MVC DJMSG+16(L'TBN), TBN	LB1010h
001D14	47F0	B3D2		013D2	3813	B ISPFERR	LB1010h
				01D18	3814	ADDTBX EQU *	LB1010h
001D18	07F7				3815	BR R7 Return to caller	LB1010h
					3816	*	LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
					3818 *	/* *****/	LB1010h
					3819 *	/* Subroutine - ISPF TBSAVE (R7) */	LB1010h
					3820 *	/* - R5, R1, R14, R15 Working Registers */	LB1010h
					3821 *	/* *****/	LB1010h
			01D1A		3822 SAVETB EQU *		LB1010h
					3823 * * * /*	CALL ISPLINK, (TBSAVE, TBN), VL */	LB1010h
			01D1A		3824 SAVETB1 EQU *		LB1010h
001D1A	D207	90C1 CB18	000C1	02B18	3825	MVC DJMSG+7(L'TBSAVE), TBSAVE	LB1010h
					3826 *	CALL ISPLINK, (TBSAVE, TBN), VL	LB1010h
001D20	4150	CB18		02B18	3827	LA R5, TBSAVE ISP Service	LB1010h
001D24	5050	9078		00078	3828	ST R5, ISFPF1	LB1010h
001D28	4150	92B6		002B6	3829	LA R5, TBN Table Name	LB1010h
001D2C	5050	907C		0007C	3830	ST R5, ISFPF2	LB1010h
001D30	9680	907C		0007C	3831	OI ISFPF2, X'80' VL mark	LB1010h
001D34	4110	9078		00078	3832	LA R1, ISFPF1 Load Parm	LB1010h
001D38	58F0	9074		00074	3833	L R15, ISPLINK Call ISPLINK	LB1010h
001D3C	05EF				3834	BALR R14, R15	LB1010h
001D3E	12FF				3835	LTR R15, R15	LB1010h
001D40	4780	BD4E		01D4E	3836	BZ SAVETBX	LB1010h
001D44	D207	90CA 92B6	000CA	002B6	3837	MVC DJMSG+16(L'TBN), TBN	LB1010h
001D4A	47F0	B3D2		013D2	3838	B ISPFERR	LB1010h
				01D4E	3839 SAVETBX EQU *		LB1010h
001D4E	07F7				3840	BR R7 Return to caller	LB1010h
					3841 *		LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
					3843	* * /*****	LB1010h
					3844	* * /* Subroutine - ISPF TBCLOSE (R7) */	LB1010h
					3845	* * /* - R5, R1, R14, R15 Working Registers */	LB1010h
					3846	* * /*****	LB1010h
			01D50		3847	CLOSETB EQU *	LB1010h
					3848	* * * /* CALL ISPLINK, (TBCLOSE, TBN), VL */	LB1010h
			01D50		3849	CLOSETB1 EQU *	LB1010h
001D50	D207	90C1 CB20	000C1	02B20	3850	MVC DJMSG+7(L'TBCLOSE), TBCLOSE	LB1010h
					3851	* CALL ISPLINK, (TBCLOSE, TBN), VL	LB1010h
001D56	4150	CB20	02B20		3852	LA R5, TBCLOSE ISP Service	LB1010h
001D5A	5050	9078	00078		3853	ST R5, ISFPF1	LB1010h
001D5E	4150	92B6	002B6		3854	LA R5, TBN Table Name	LB1010h
001D62	5050	907C	0007C		3855	ST R5, ISFPF2	LB1010h
001D66	9680	907C	0007C		3856	OI ISFPF2, X'80' VL mark	LB1010h
001D6A	4110	9078	00078		3857	LA R1, ISFPF1 Load Params	LB1010h
001D6E	58F0	9074	00074		3858	L R15, ISPLINK Call ISPLINK	LB1010h
001D72	05EF				3859	BALR R14, R15	LB1010h
001D74	12FF				3860	LTR R15, R15	LB1010h
001D76	4780	BD84	01D84		3861	BZ CLOSETBX	LB1010h
001D7A	D207	90CA 92B6	000CA	002B6	3862	MVC DJMSG+16(L'TBN), TBN	LB1010h
001D80	47F0	B3D2	013D2		3863	B ISPFERR	LB1010h
			01D84		3864	CLOSETBX EQU *	LB1010h
001D84	07F7				3865	BR R7 Return to caller	LB1010h
					3866	*	LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
					3868	*	/* ***** */	LB1010h
					3869	*	/* Subroutine - ISPF VDELETE (R7) */	LB1010h
					3870	*	/* - R5, R1, R14, R15 Working Registers */	LB1010h
					3871	*	/* ***** */	LB1010h
				01D86	3872	VARDELS	EQU *	LB1010h
				01D86	3873	VDEL1	EQU *	LB1010h
					3874	* * *	/* CALL ISPLINK, (VDELETE, IMEMBRN), VL */	LB1010h
001D86	D207	90C1	CAF8	000C1	02AF8	3875	MVC DJMSG+7(L'VDELETE),VDELETE	LB1010h
001D8C	4150	CAF8		02AF8		3876	LA R5,VDELETE ISP Service	LB1010h
001D90	5050	9078		00078		3877	ST R5,ISFPF1	LB1010h
001D94	4150	CB91		02B91		3878	LA R5,IMEMBRN Variable name	LB1010h
001D98	5050	907C		0007C		3879	ST R5,ISFPF2	LB1010h
001D9C	9680	907C		0007C		3880	OI ISFPF2,X'80' VL mark	LB1010h
001DA0	4110	9078		00078		3881	LA R1,ISFPF1 Load Parm	LB1010h
001DA4	58F0	9074		00074		3882	L R15,ISPLINK Call ISPLINK	LB1010h
001DA8	05EF					3883	BALR R14,R15	LB1010h
001DAA	12FF					3884	LTR R15,R15	LB1010h
001DAC	4780	BDBA		01DBA		3885	BZ VDEL2	LB1010h
001DB0	D207	90CA	CB91	000CA	02B91	3886	MVC DJMSG+16(L'IMEMBRN),IMEMBRN	LB1010h
001DB6	47F0	B3D2		013D2		3887	B ISPFERR	LB1010h
				01DBA	3888	VDEL2	EQU *	LB1010h
					3889	* * *	/* CALL ISPLINK, (VDELETE, ITTRPN), VL */	LB1010h
001DBA	4150	CB99		02B99		3890	LA R5,ITTRPN Variable name	LB1010h
001DBE	5050	907C		0007C		3891	ST R5,ISFPF2	LB1010h
001DC2	9680	907C		0007C		3892	OI ISFPF2,X'80' VL mark	LB1010h
001DC6	4110	9078		00078		3893	LA R1,ISFPF1 Load Parm	LB1010h
001DCA	58F0	9074		00074		3894	L R15,ISPLINK Call ISPLINK	LB1010h
001DCE	05EF					3895	BALR R14,R15	LB1010h
001DD0	12FF					3896	LTR R15,R15	LB1010h
001DD2	4780	BDE0		01DE0		3897	BZ VDEL3	LB1010h
001DD6	D207	90CA	CB99	000CA	02B99	3898	MVC DJMSG+16(L'ITTRPN),ITTRPN	LB1010h
001DDC	47F0	B3D2		013D2		3899	B ISPFERR	LB1010h
				01DE0	3900	VDEL3	EQU *	LB1010h
					3901	* * *	/* CALL ISPLINK, (VDELETE, IVVMN), VL */	LB1010h
001DE0	4150	CBA1		02BA1		3902	LA R5,IVVMN Variable name	LB1010h
001DE4	5050	907C		0007C		3903	ST R5,ISFPF2	LB1010h
001DE8	9680	907C		0007C		3904	OI ISFPF2,X'80' VL mark	LB1010h
001DEC	4110	9078		00078		3905	LA R1,ISFPF1 Load Parm	LB1010h
001DF0	58F0	9074		00074		3906	L R15,ISPLINK Call ISPLINK	LB1010h
001DF4	05EF					3907	BALR R14,R15	LB1010h
001DF6	12FF					3908	LTR R15,R15	LB1010h
001DF8	4780	BE06		01E06		3909	BZ VDEL4	LB1010h
001DFC	D207	90CA	CBA1	000CA	02BA1	3910	MVC DJMSG+16(L'IVVMN),IVVMN	LB1010h
001E02	47F0	B3D2		013D2		3911	B ISPFERR	LB1010h
				01E06	3912	VDEL4	EQU *	LB1010h
					3913	* * *	/* CALL ISPLINK, (VDELETE, ICDTEN), VL */	LB1010h
001E06	4150	CBA9		02BA9		3914	LA R5,ICDTEN Variable name	LB1010h
001E0A	5050	907C		0007C		3915	ST R5,ISFPF2	LB1010h
001E0E	9680	907C		0007C		3916	OI ISFPF2,X'80' VL mark	LB1010h
001E12	4110	9078		00078		3917	LA R1,ISFPF1 Load Parm	LB1010h
001E16	58F0	9074		00074		3918	L R15,ISPLINK Call ISPLINK	LB1010h
001E1A	05EF					3919	BALR R14,R15	LB1010h
001E1C	12FF					3920	LTR R15,R15	LB1010h
001E1E	4780	BE2C		01E2C		3921	BZ VDEL5	LB1010h
001E22	D207	90CA	CBA9	000CA	02BA9	3922	MVC DJMSG+16(L'ICDTEN),ICDTEN	LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
001E28	47F0	B3D2	013D2		3923	B	ISPFERR	LB1010h
			01E2C		3924	VDEL5	EQU *	LB1010h
					3925	* * * /*	CALL ISPLINK, (VDELETE, IMDTEN), VL	*/ LB1010h
001E2C	4150	CBB1	02BB1		3926	LA	R5, IMDTEN Variable name	LB1010h
001E30	5050	907C	0007C		3927	ST	R5, ISFPFP2	LB1010h
001E34	9680	907C	0007C		3928	OI	ISFPFP2, X'80'	VL mark LB1010h
001E38	4110	9078	00078		3929	LA	R1, ISFPFP1 Load Params	LB1010h
001E3C	58F0	9074	00074		3930	L	R15, ISPLINK Call ISPLINK	LB1010h
001E40	05EF				3931	BALR	R14, R15	LB1010h
001E42	12FF				3932	LTR	R15, R15	LB1010h
001E44	4780	BE52	01E52		3933	BZ	VDEL6	LB1010h
001E48	D207	90CA	CBB1 000CA	02BB1	3934	MVC	DJMSG+16(L'IMDTEN), IMDTEN	LB1010h
001E4E	47F0	B3D2	013D2		3935	B	ISPFERR	LB1010h
			01E52		3936	VDEL6	EQU *	LB1010h
					3937	* * * /*	CALL ISPLINK, (VDELETE, IRINTN), VL	*/ LB1010h
001E52	4150	CBC9	02BC9		3938	LA	R5, IRINTN Variable name	LB1010h
001E56	5050	907C	0007C		3939	ST	R5, ISFPFP2	LB1010h
001E5A	9680	907C	0007C		3940	OI	ISFPFP2, X'80'	VL mark LB1010h
001E5E	4110	9078	00078		3941	LA	R1, ISFPFP1 Load Params	LB1010h
001E62	58F0	9074	00074		3942	L	R15, ISPLINK Call ISPLINK	LB1010h
001E66	05EF				3943	BALR	R14, R15	LB1010h
001E68	12FF				3944	LTR	R15, R15	LB1010h
001E6A	4780	BE78	01E78		3945	BZ	VDEL7	LB1010h
001E6E	D207	90CA	CBC9 000CA	02BC9	3946	MVC	DJMSG+16(L'IRINTN), IRINTN	LB1010h
001E74	47F0	B3D2	013D2		3947	B	ISPFERR	LB1010h
			01E78		3948	VDEL7	EQU *	LB1010h
					3949	* * * /*	CALL ISPLINK, (VDELETE, IRCURN), VL	*/ LB1010h
001E78	4150	CBC1	02BC1		3950	LA	R5, IRCURN Variable name	LB1010h
001E7C	5050	907C	0007C		3951	ST	R5, ISFPFP2	LB1010h
001E80	9680	907C	0007C		3952	OI	ISFPFP2, X'80'	VL mark LB1010h
001E84	4110	9078	00078		3953	LA	R1, ISFPFP1 Load Params	LB1010h
001E88	58F0	9074	00074		3954	L	R15, ISPLINK Call ISPLINK	LB1010h
001E8C	05EF				3955	BALR	R14, R15	LB1010h
001E8E	12FF				3956	LTR	R15, R15	LB1010h
001E90	4780	BE9E	01E9E		3957	BZ	VDEL8	LB1010h
001E94	D207	90CA	CBC1 000CA	02BC1	3958	MVC	DJMSG+16(L'IRCURN), IRCURN	LB1010h
001E9A	47F0	B3D2	013D2		3959	B	ISPFERR	LB1010h
			01E9E		3960	VDEL8	EQU *	LB1010h
					3961	* * * /*	CALL ISPLINK, (VDELETE, IRMODN), VL	*/ LB1010h
001E9E	4150	CBD1	02BD1		3962	LA	R5, IRMODN Variable name	LB1010h
001EA2	5050	907C	0007C		3963	ST	R5, ISFPFP2	LB1010h
001EA6	9680	907C	0007C		3964	OI	ISFPFP2, X'80'	VL mark LB1010h
001EAA	4110	9078	00078		3965	LA	R1, ISFPFP1 Load Params	LB1010h
001EAE	58F0	9074	00074		3966	L	R15, ISPLINK Call ISPLINK	LB1010h
001EB2	05EF				3967	BALR	R14, R15	LB1010h
001EB4	12FF				3968	LTR	R15, R15	LB1010h
001EB6	4780	BEC4	01EC4		3969	BZ	VDEL9	LB1010h
001EBA	D207	90CA	CBD1 000CA	02BD1	3970	MVC	DJMSG+16(L'IRMODN), IRMODN	LB1010h
001EC0	47F0	B3D2	013D2		3971	B	ISPFERR	LB1010h
			01EC4		3972	VDEL9	EQU *	LB1010h
					3973	* * * /*	CALL ISPLINK, (VDELETE, IUSRIDN), VL	*/ LB1010h
001EC4	4150	CBD9	02BD9		3974	LA	R5, IUSRIDN Variable name	LB1010h
001EC8	5050	907C	0007C		3975	ST	R5, ISFPFP2	LB1010h
001ECC	9680	907C	0007C		3976	OI	ISFPFP2, X'80'	VL mark LB1010h
001ED0	4110	9078	00078		3977	LA	R1, ISFPFP1 Load Params	LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19		
001ED4	58F0	9074	00074		3978	L	R15,ISPLINK	Call ISPLINK	LB1010h	
001ED8	05EF				3979	BALR	R14,R15		LB1010h	
001EDA	12FF				3980	LTR	R15,R15		LB1010h	
001EDC	4780	BEEA	01EEA		3981	BZ	VDEL10		LB1010h	
001EE0	D207	90CA	CBD9	000CA	02BD9	3982	MVC	DJMSG+16(L'IUSRIDN),IUSRIDN	LB1010h	
001EE6	47F0	B3D2	013D2		3983	B	ISPFERR		LB1010h	
			01EEA		3984	VDEL10	EQU	*	LB1010h	
					3985	* * * /*	CALL	ISPLINK,(VDELETE,IMTIMN),VL	*/	LB1010h
001EEA	4150	CBB9	02BB9		3986	LA	R5,IMTIMN	Variable name	LB1010h	
001EEE	5050	907C	0007C		3987	ST	R5,ISFPF2		LB1010h	
001EF2	9680	907C	0007C		3988	OI	ISFPF2,X'80'	VL mark	LB1010h	
001EF6	4110	9078	00078		3989	LA	R1,ISFPF1	Load Parm	LB1010h	
001EFA	58F0	9074	00074		3990	L	R15,ISPLINK	Call ISPLINK	LB1010h	
001EFE	05EF				3991	BALR	R14,R15		LB1010h	
001F00	12FF				3992	LTR	R15,R15		LB1010h	
001F02	4780	BF10	01F10		3993	BZ	VDEL11		LB1010h	
001F06	D207	90CA	CBB9	000CA	02BB9	3994	MVC	DJMSG+16(L'IMTIMN),IMTIMN	LB1010h	
001F0C	47F0	B3D2	013D2		3995	B	ISPFERR		LB1010h	
			01F10		3996	VDEL11	EQU	*	LB1010h	
			01F10		3997	VARSDXL	EQU	*	LB1010h	
001F10	D207	90C1	C058	000C1	02058	3998	MVC	DJMSG+7(8),=C'	'	LB1010h
001F16	07F7				3999	BR	R7	Return to caller	LB1010h	
					4000	*				

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
001F18				4002	LTORG	
001F18	4040404040404040			4003	=256X'40'	
002018	C4C9D9D3E2E34040			4004	=C'DIRLST '	
002020	D3D6C3C1E3C54040			4005	=C'LOCATE '	
002028	C3E8D3C9D5C4C5D9			4006	=C'CYLINDER'	
002030	E3D9C1C3D2404040			4007	=C'TRACK '	
002038	C1C2E2D6D3E4E3C5			4008	=C'ABSOLUTE'	
002040	C2D3D6C3D2404040			4009	=C'BLOCK '	
002048	FFFFFFFFFFFFFFFF			4010	=8X'FF'	
002050	E2E8E2C1D3D3C4C1			4011	=CL8'SYSALLDA'	
002058	4040404040404040			4012	=C' '	
002060	00000000			4013	=F'0'	
002064	0000002C			4014	=F'44'	
002068	00000010			4015	=F'16'	
00206C	00000000			4016	=F'00'	
002070	00000001			4017	=F'1'	
002074	D5D6D5C5			4018	=C'NONE'	
002078	D9C1C3C6			4019	=C'RACF'	
00207C	0000FFFF			4020	=X'0000FFFF'	
002080	00000004			4021	=F'04'	
002084	0000001F			4022	=F'31'	
002088	0000000F			4023	=F'15'	
00208C	0000001E			4024	=F'30'	
002090	00000004			4025	=F'4'	
002094	00000008			4026	=F'8'	
002098	0000000C			4027	=F'12'	
00209C	00000FA4			4028	=F'4004'	
0020A0	00000FA5			4029	=F'4005'	
0020A4	00000FA8			4030	=F'4008'	
0020A8	00000FA9			4031	=F'4009'	
0020AC	00000FAA			4032	=F'4010'	
0020B0	00001001			4033	=F'4097'	
0020B4	00001002			4034	=F'4098'	
0020B8	00001003			4035	=F'4099'	
0020BC	00000012			4036	=F'18'	
0020C0	F0F0			4037	=C'00'	
0020C2	0004			4038	=H'4'	
0020C4	0008			4039	=H'8'	
0020C6	F9F9			4040	=C'99'	
0020C8	F0F5			4041	=C'05'	
0020CA	F1F6			4042	=C'16'	
0020CC	0001			4043	=X'0001'	
0020CE	0000			4044	=X'0000'	
0020D0	F1F9			4045	=C'19'	
0020D2	F2F6			4046	=C'26'	
0020D4	F0F6			4047	=C'06'	
0020D6	0000			4048	=H'0'	
0020D8	C4E2D6D9C740E3A8			4049	=C'DSORG Type'	
0020E2	C485A5898385E3A8			4050	=C'DeviceType'	
0020EC	D7D6			4051	=C'P0'	
0020EE	D5D640C9E2D7D3C9			4052	=C'NO ISPLINK SUPPORT'	
002100	F0F2			4053	=C'02'	
002102	F0F4			4054	=C'04'	
002104	F1F3			4055	=C'13'	
002106	F1F7			4056	=C'17'	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
002108	9000			4057	=X'9000'	
00210A	F2F1			4058	=C'21'	
00210C	F2F2			4059	=C'22'	
00210E	F2F4			4060	=C'24'	
002110	F2F3			4061	=C'23'	
002112	F2F8			4062	=C'28'	
002114	F2F9			4063	=C'29'	
002116	F9F0			4064	=C'90'	
002118	6F6F			4065	=C'??'	
00211A	003B			4066	=H'59'	
00211C	100C			4067	=P'100'	
00211E	400C			4068	=P'400'	
002120	0002			4069	=H'2'	
002122	F0F0F1			4070	=C'001'	
002125	F1			4071	=C'1'	
002126	F2			4072	=C'2'	
002127	F3			4073	=C'3'	
002128	F4			4074	=C'4'	
002129	D5D6D5C540			4075	=C'NONE '	
00212E	E6D9C9E3C5			4076	=C'WRITE'	
002133	D96DE64040			4077	=C'R_W '	
002138	000000			4078	=X'000000'	
00213B	0C			4079	=P'+0'	
00213C	3C			4080	=P'+3'	
00213D	4C			4081	=P'+4'	
00213E	1C			4082	=P'+1'	
00213F	0C			4083	=P'0'	
				4084	*	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				4086 *	*/*****	
				4087 *	/* Parm Input Keywords */	
				4088 *	*/*****	
002140	C4C9D9C5C3E3D6D9			4089	KWDIR9 DC C'DIRECTORY' Keyword DIRECTORY	LB1010b
002149	C4C9D9			4090	KWDIR DC C'DIR' Keyword DIR	
00214C	D7D5D3			4091	KWPNL DC C'PNL' Keyword PNL	
00214F	C1C2D6E4E3			4092	KWABOUT DC C'ABOUT' Keyword ABOUT	
002154	E5D6D3E4D4C54D			4093	KWVOLUME DC C'VOLUME(' Keyword VOLUME	LB1010b
00215B	E5D6D34D			4094	KWVOL DC C'VOL(' Keyword VOL	
00215F	C4E24D			4095	KWDS DC C'DS(' Keyword DS	LB1001a
002162	C4C64D			4096	KWDF DC C'DF(' Keyword DF	LB1001b
002165	F0F0F0F0F0F0F0F0			4097	ZEROCL11 DC C'000000000000' 11 C'0'	LB1001b
002170	C6C9D3C5			4098	KWFILE DC C'FILE' Keyword FILE	LB1001g
002174	C4D3F0			4099	KWDL0 DC C'DL0' Keyword DL0	LB1001h
002177	C4D3F1			4100	KWDL1 DC C'DL1' Keyword DL1	LB1001h
				4101 *	*	
				4102 *	*/*****	
				4103 *	/* Entry codes for IKJCT441 */	
				4104 *	*/*****	
00217A	0000					
00217C	00000002			4105	ECUPDT DC A(TSVEUPDT) ENTRY CODE FOR UPDATE/CREATE	
002180	00000000			4106	TOKEN DC F'0' TOKEN	
				4107 *	*	
				4108 *	*/*****	
				4109 *	/* Julian start day by month in reverse order */	
				4110 *	*/*****	
002184	014E0130011100F3			4111	DAYSTBLJ DC H'334',H'304',H'273',H'243',H'212',H'181' Dec-Jul	
002190	00970078005A003B			4112	DC H'151',H'120',H'090',H'059',H'031',H'000' Jun-Jan	
00219C	00000046			4113	Y2KWIN DC F'70' Y2k Window value	
				4114 *	*	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
				4116	*	*/*****/	
				4117	*	/* Symbolic Variable Names for CLIST use */	
				4118	*	*/*****/	
		021A0		4119	V#@	EQU *	
0021A0	E2E8E2C4E2D5C1D4			4120	VDSN	DC C'SYSDSNAME'	
0021A9	E2E8E2D9C5C1E2D6			4121	VRSCODE	DC C'SYSREASON'	
0021B2	E2E8E2D4E2C7D3E5			4122	VMSGL1	DC C'SYSMSGLVL1'	
0021BC	E2E8E2D4E2C7D3E5			4123	VMSGL2	DC C'SYSMSGLVL2'	
0021C6	E2E8E2E5D6D3E4D4			4124	VVOL	DC C'SYSVOLUME'	
0021CF	E2E8E2D3D9C5C3D3			4125	VLRECL	DC C'SYSLRECL'	
0021D7	E2E8E2C2D3D2E2C9			4126	VLKLSZ	DC C'SYSBLKSIZE'	
0021E1	E2E8E2D2C5E8D3C5			4127	VKEYL	DC C'SYSKEYLEN'	
0021EA	E2E8E2D2C5E8D7D6			4128	VKEYP	DC C'SYSKEYPOS'	
0021F3	E2E8E2C4E2D6D9C7			4129	VDSORG	DC C'SYSDSORG'	
0021FB	E2E8E2D9C5C3C6D4			4130	VRECFM	DC C'SYSRECFM'	
002203	E2E8E2C3D9C5C1E3			4131	VCREDT	DC C'SYSCREATE'	
00220C	E2E8E2C5E7C4C1E3			4132	VEXPDT	DC C'SYSEXDATE'	
002215	E2E8E2D9C5C6C4C1			4133	VREFDT	DC C'SYSREFDATE'	
00221F	E2E8E2D1C3D9C5C1			4134	VCREDTJ	DC C'SYSJCREATE'	
002229	E2E8E2D1C5E7C4C1			4135	VEXPDTJ	DC C'SYSJEXDATE'	
002233	E2E8E2D1D9C5C6C4			4136	VREFDTJ	DC C'SYSJREFDATE'	
00223E	E2E8E2C3C3D9C5C1			4137	VCREDTC	DC C'SYSCCREATE'	
002248	E2E8E2C3C5E7C4C1			4138	VEXPDTC	DC C'SYSCEXDATE'	
002252	E2E8E2C3D9C5C6C4			4139	VREFDTC	DC C'SYSCREFDATE'	
00225D	E2E8E2D7C1E2E2E6			4140	VPASSWD	DC C'SYSPASSWORD'	
002268	E2E8E2D9C1C3C6C1			4141	VRACF	DC C'SYSRACFA'	
002270	E2E8E2E4D5C9E3E2			4142	VSSPC	DC C'SYSUNITS'	
002278	E2E8E2E2C5C3D6D5			4143	VSSPCNM	DC C'SYSSECONDS'	
002282	E2E8E2E4D5C9E3			4144	VUNIT	DC C'SYSUNIT'	
002289	E2E8E2C5E7E3C5D5			4145	VEXTS	DC C'SYSEXTENTS'	
002293	E2E8E2D5E4D4E5D6			4146	VNUMVOL	DC C'SYSNUMVOLS'	
00229D	E2E8E2C3E8D3E5D6			4147	VCCVOL	DC C'SYSCYLVOL'	
0022A6	E2E8E2E3D9D2E2C3			4148	VTTCC	DC C'SYSTRKSCYL'	
0022B0	E2E8E2E3D9D2D3C5			4149	VTRKLEN	DC C'SYSTRKLEN'	
0022B9	E2E8E2C2D3D2E2E3			4150	VBLKTRK	DC C'SYSBLKSTRK'	
0022C3	E2E8E2E4D5C9E3C3			4151	VUNITCAP	DC C'SYSUNITCAP'	
0022CD	E2E8E2E3D9D2E2C1			4152	VTKAL	DC C'SYSTRKSALLOC'	
0022D9	E2E8E2E3D9D2E2E4			4153	VTKUS	DC C'SYSTRKSUSED'	
0022E4	E2E8E2E3D9D2E2E4			4154	VTKUUS	DC C'SYSTRKSUNUSED'	
0022F1	E2E8E2D3C9E2E3C4			4155	VJMSG	DC C'SYSLISTDSJMSG'	
0022FE	E2E8E2D4C5D4C2C5			4156	VMEMS	DC C'SYSMEMBERS'	
002308	E2E8E2D4C5D4C2C5			4157	VALIAS	DC C'SYSMEMBERSALIAS'	
002317	E2E8E2E4C4C9D9C2			4158	VDIRBKSU	DC C'SYSUDIRBLK'	
002321	E2E8E2D5E4C4C9D9			4159	VDIRBKSN	DC C'SYSNUDIRBLK'	
00232C	E2E8E2C1C4C9D9C2			4160	VDIRBKSA	DC C'SYSADIRBLK'	
002336	E2E8E2C4E2C3C1E3			4161	VDSCAT	DC C'SYSDSCAT'	
00233E	E2E8E2C4E2C3C1E3			4162	VDSCATV	DC C'SYSDSCATV'	
002347	E2E8E2D7D9C9D4C1			4163	VPSPCAL	DC C'SYSPRIMARY'	
002351	E2E8E2E4E2C5C4			4164	VPSPCUS	DC C'SYSUSED'	
002358	E2E8E2E5D6D3E4D4			4165	VVOLLST	DC C'SYSVOLUMES'	
002362	E2E8E2C1D3D3D6C3			4166	VALLOC	DC C'SYSALLOC'	
		001CA		4167	V#@LEN	EQU *-V#@	Length of area
				4168	*		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				4170 *	*/*****	
				4171 *	/* Internal table of symbolic variables and data values */	
				4172 *	*/*****	
00236C				4173 S#@	DS 0F	
				4174 *	/*	
				4175 *	/*	
00236C	000021A0000000009			4176 A#DSN	DC A(VDSN),A(L'VDSN)	00 SYSDSNAME
002374	908E000000000002C			4177	DC S(DDSN),A(L'DDSN)	
		00010		4178 S#@ENTL	EQU *-S#@	
00237C	000022F100000000D			4179 A#JMSG	DC A(VJMSG),A(L'VJMSG)	01 SYSLISTDSJMSG
002384	90BA0000000000064			4180	DC S(DJMSG),A(L'DJMSG)	
00238C	000021A9000000009			4181 A#RSC	DC A(VRSCODE),A(L'VRSCODE)	02 SYSREASON
002394	911E0000000000002			4182	DC S(DRSNCODE),A(L'DRSNCODE)	
00239C	000021B200000000A			4183 A#MSG1	DC A(VMSG1),A(L'VMSG1)	03 SYSMSG1
0023A4	91200000000000028			4184	DC S(DMSG1),A(L'DMSG1)	
0023AC	000021BC00000000A			4185 A#MSG2	DC A(VMSG2),A(L'VMSG2)	04 SYSMSG2
0023B4	91480000000000028			4186	DC S(DMSG2),A(L'DMSG2)	
0023BC	00002203000000009			4187 A#CREDIT	DC A(VCREDIT),A(L'VCREDIT)	05 SYSCREATE
0023C4	91880000000000008			4188	DC S(DCREDIT),A(L'DCREDIT)	
0023CC	0000220C000000009			4189 A#EXPDT	DC A(VEXPDT),A(L'VEXPDT)	06 SYSEXDATE
0023D4	919F0000000000008			4190	DC S(DEXPDT),A(L'DEXPDT)	
0023DC	0000221500000000A			4191 A#REFDT	DC A(VREFDT),A(L'VREFDT)	07 SYSREFDATE
0023E4	91B60000000000008			4192	DC S(DREFDT),A(L'DREFDT)	
0023EC	000021F3000000008			4193 A#DSORG	DC A(VDSORG),A(L'VDSORG)	08 SYSDSORG
0023F4	91800000000000003			4194	DC S(DDSORG),A(L'DDSORG)	
0023FC	000021FB000000008			4195 A#RECFM	DC A(VRECFM),A(L'VRECFM)	09 SYSRECFM
002404	91830000000000005			4196	DC S(DRECFM),A(L'DRECFM)	
00240C	000021CF000000008			4197 A#LRECL	DC A(VLRECL),A(L'VLRECL)	10 SYSLRECL
002414	91760000000000005			4198	DC S(DLRECL),A(L'DLRECL)	
00241C	000021D700000000A			4199 A#BLKSZ	DC A(VBLKSZ),A(L'VBLKSZ)	11 SYSBLKSIZE
002424	917B0000000000005			4200	DC S(DBLKSZ),A(L'DBLKSZ)	
00242C	000021E1000000009			4201 A#KEYL	DC A(VKEYL),A(L'VKEYL)	12 SYSKEYLEN
002434	91CD0000000000003			4202	DC S(DKEYL),A(L'DKEYL)	
00243C	000021EA000000009			4203 A#KEYP	DC A(VKEYP),A(L'VKEYP)	13 SYSKEYPOS
002444	91D00000000000005			4204	DC S(DRKP),A(L'DRKP)	
00244C	0000225D00000000B			4205 A#PASSWD	DC A(VPASSWD),A(L'VPASSWD)	14 SYSPASSWORD
002454	91D50000000000005			4206	DC S(DPASSWD),A(L'DPASSWD)	
00245C	00002268000000008			4207 A#RACF	DC A(VRACF),A(L'VRACF)	15 SYSRACF
002464	91DA0000000000004			4208	DC S(DRACF),A(L'DRACF)	
00246C	0000232C00000000A			4209 A#DBKSA	DC A(VDIRBKSA),A(L'VDIRBKSA)	16 SYSADIRBLK
002474	923B0000000000005			4210	DC S(DDBLKS),A(L'DDBLKS)	
00247C	0000231700000000A			4211 A#DBKSU	DC A(VDIRBKSU),A(L'VDIRBKSU)	17 SYSUDIRBLK
002484	92400000000000005			4212	DC S(DDIRBKSU),A(L'DDIRBKSU)	
00248C	0000232100000000B			4213 A#DBKSN	DC A(VDIRBKSN),A(L'VDIRBKSN)	18 SYSNUDIRBLK
002494	92450000000000005			4214	DC S(DDIRBKSN),A(L'DDIRBKSN)	
00249C	000022FE00000000A			4215 A#MEMS	DC A(VMEMS),A(L'VMEMS)	19 SYSMEMBERS
0024A4	924A0000000000005			4216	DC S(DMEMBERS),A(L'DMEMBERS)	
0024AC	0000230800000000F			4217 A#ALIAS	DC A(VALIAS),A(L'VALIAS)	20 SYSMEMBERSALIAS
0024B4	924F0000000000005			4218	DC S(DALIASES),A(L'DALIASES)	
0024BC	000021C6000000009			4219 A#VOL	DC A(VVOL),A(L'VVOL)	21 SYSVOLUME
0024C4	91700000000000006			4220	DC S(DVOLSER),A(L'DVOLSER)	
0024CC	00002282000000007			4221 A#UNIT	DC A(VUNIT),A(L'VUNIT)	22 SYSUNIT
0024D4	91FC0000000000007			4222	DC S(DUNIT),A(L'DUNIT)	
0024DC	00002270000000008			4223 A#UNITS	DC A(VSSPC),A(L'VSSPC)	23 SYSUNITS
0024E4	91ED0000000000008			4224	DC S(DSSPC),A(L'DSSPC)	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
0024EC	000022D900000000B			4225	A#VTKUS	DC A(VTKUS),A(L'VTKUS)	24 SYSTRKSUSED
0024F4	920E0000000000005			4226		DC S(DTRKSUS),A(L'DTRKSUS)	
0024FC	0000228900000000A			4227	A#EXTS	DC A(VEXTS),A(L'VEXTS)	25 SYSEXTENTS
002504	92030000000000003			4228		DC S(DEXTS),A(L'DEXTS)	
00250C	000022CD00000000C			4229	A#VTKAL	DC A(VTKAL),A(L'VTKAL)	26 SYSTRKSALLOC
002514	92090000000000005			4230		DC S(DTRKSAL),A(L'DTRKSAL)	
00251C	0000227800000000A			4231	A#SCONDS	DC A(VSSPCNM),A(L'VSSPCNM)	27 SYSSECONDS
002524	91F50000000000007			4232		DC S(DSSPCNM),A(L'DSSPCNM)	
00252C	000022E400000000D			4233	A#TKUUS	DC A(VTKUUS),A(L'VTKUUS)	28 SYSTRKSUNUSED
002534	92130000000000005			4234		DC S(DTRKSUUS),A(L'DTRKSUUS)	
00253C	0000229D000000009			4235	A#VCCVOL	DC A(VCCVOL),A(L'VCCVOL)	29 SYSCYLVOL
002544	92270000000000005			4236		DC S(DCYL4VOL),A(L'DCYL4VOL)	
00254C	000022A600000000A			4237	A#VTTCC	DC A(VTTCC),A(L'VTTCC)	30 SYSTRKSCYL
002554	92180000000000005			4238		DC S(DTRKSCYL),A(L'DTRKSCYL)	
00255C	0000221F00000000A			4239	A#CREDTJ	DC A(VCREDTJ),A(L'VCREDTJ)	31 SYSJCREATE
002564	91900000000000005			4240		DC S(DCREDJ),A(L'DCREDJ)	
00256C	0000222900000000A			4241	A#EXPDTJ	DC A(VEXPDTJ),A(L'VEXPDTJ)	32 SYSJEXDATE
002574	91A70000000000005			4242		DC S(DEXPDJ),A(L'DEXPDJ)	
00257C	0000223300000000B			4243	A#REFDTJ	DC A(VREFDTJ),A(L'VREFDTJ)	33 SYSJREFDATE
002584	91BE0000000000005			4244		DC S(DREFDJ),A(L'DREFDJ)	
00258C	000022B0000000009			4245	A#VTRKLN	DC A(VTRKLEN),A(L'VTRKLEN)	34 SYSTRKLEN
002594	921D0000000000005			4246		DC S(DTRKLEN),A(L'DTRKLEN)	
00259C	000022C300000000A			4247	A#VUCAP	DC A(VUNITCAP),A(L'VUNITCAP)	35 SYSUNITCAP
0025A4	922C000000000000F			4248		DC S(DUNITCAP),A(L'DUNITCAP)	
0025AC	000022B900000000A			4249	A#VBLKTK	DC A(VBLKTRK),A(L'VBLKTRK)	36 SYSBLKSTRK
0025B4	92220000000000005			4250		DC S(DBLKTRK),A(L'DBLKTRK)	
0025BC	0000223E00000000A			4251	A#CREDTC	DC A(VCREDTC),A(L'VCREDTC)	37 SYSCCREATE
0025C4	9195000000000000A			4252		DC S(DCREDC),A(L'DCREDC)	
0025CC	0000224800000000A			4253	A#EXPDTC	DC A(VEXPDTC),A(L'VEXPDTC)	38 SYSCEXDATE
0025D4	91AC000000000000A			4254		DC S(DEXPDC),A(L'DEXPDC)	
0025DC	0000225200000000B			4255	A#REFDTC	DC A(VREFDTC),A(L'VREFDTC)	39 SYSCREFDATE
0025E4	91C3000000000000A			4256		DC S(DREFDC),A(L'DREFDC)	
0025EC	0000229300000000A			4257	A#NUMVOL	DC A(VNUMVOL),A(L'VNUMVOL)	40 SYSNUMVOLS
0025F4	92060000000000003			4258		DC S(DNUMVOL),A(L'DNUMVOL)	
0025FC	00002336000000008			4259	A#DSCAT	DC A(VDSCAT),A(L'VDSCAT)	41 SYSDSCAT
002604	92540000000000001			4260		DC S(DDSCAT),A(L'DDSCAT)	
00260C	0000233E000000009			4261	A#DSCATV	DC A(VDSCATV),A(L'VDSCATV)	42 SYSDSCATV
002614	92550000000000006			4262		DC S(DDSCATV),A(L'DDSCATV)	
00261C	0000234700000000A			4263	A#PSPCAL	DC A(VPSPCAL),A(L'VPSPCAL)	43 SYSPRIMARY
002624	925B0000000000005			4264		DC S(DPSPCAL),A(L'DPSPCAL)	
00262C	00002351000000007			4265	A#PSPCUS	DC A(VPSPCUS),A(L'VPSPCUS)	44 SYSUSED
002634	92600000000000005			4266		DC S(DPSPCUS),A(L'DPSPCUS)	
00263C	0000235800000000A			4267	A#DVOLS	DC A(VVOLLST),A(L'VVOLLST)	45 SYSVOLUMES
002644	92650000000000023			4268		DC S(DVOLLST),A(L'DVOLLST)	
00264C	00002362000000008			4269	A#DALLOC	DC A(VALLOC),A(L'VALLOC)	46 SYSALLOC
002654	92880000000000005			4270		DC S(DALLOC),A(L'DALLOC)	LB1010d
		002F0		4271	S#@LEN	EQU *-S#@	Length of area
		0002F		4272	S#@NUM	EQU S#@LEN/S#@ENTL	Number of entries
				4273	*		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				4275 *	/* ***** */	
				4276 *	/* Reason Code Messages */	
				4277 *	/* ***** */	
		0265C		4278 RSTBL	EQU *	
		0265C		4279 RSTBLBEG	EQU *	
00265C	F0F00011			4280	DC C'00',AL2(L'RMSG00)	'Reason Code=00
002660	D596999481934083			4281 RMSG00	DC C'Normal completion'	
002671	F0F20018			4282	DC C'02',AL2(L'RMSG02)	'Reason Code=02
002675	C4A8958194898340			4283 RMSG02	DC C'Dynamic allocation error'	
00268D	F0F50016			4284	DC C'05',AL2(L'RMSG05)	'Reason Code=05
002691	C481A381A285A340			4285 RMSG05	DC C'Dataset not catalogued'	
0026A7	F0F60013			4286	DC C'06',AL2(L'RMSG06)	'Reason Code=06
0026AB	C599999699409682			4287 RMSG06	DC C'Error obtaining DSN'	
0026BE	F1F3001F			4288	DC C'13',AL2(L'RMSG13)	'Reason Code=13
0026C2	C481A381A285A340			4289 RMSG13	DC C'Dataset could not open or close'	
0026E1	F1F7001A			4290	DC C'17',AL2(L'RMSG17)	'Reason Code=17 LB1010h
0026E5	E2A8A2A385944096			4291 RMSG17	DC C'System or User Abend error'	LB1010h
0026FF	F1F90023			4292	DC C'19',AL2(L'RMSG19)	'Reason Code=19
002703	C481A381A285A340			4293 RMSG19	DC C'Dataset resides on multiple volumes'	
002726	F2F10022			4294	DC C'21',AL2(L'RMSG21)	'Reason Code=21
00272A	C381A38193968740			4295 RMSG21	DC C'Catalog error trying to locate DSN'	
00274C	F2F20012			4296	DC C'22',AL2(L'RMSG22)	'Reason Code=22
002750	E59693A494854095			4297 RMSG22	DC C'Volume not mounted'	
002762	F2F3001D			4298	DC C'23',AL2(L'RMSG23)	'Reason Code=23
002766	D785999481958595			4299 RMSG23	DC C'Permanent I/O error on volume'	
002783	F2F40016			4300	DC C'24',AL2(L'RMSG24)	'Reason Code=24
002787	C481A381A285A340			4301 RMSG24	DC C'Dataset name not found'	
00279D	F2F6001E			4302	DC C'26',AL2(L'RMSG26)	'Reason Code=26
0027A1	C481A381A285A340			4303 RMSG26	DC C'Dataset on Mass Storage device'	
0027BF	F2F8001E			4304	DC C'28',AL2(L'RMSG28)	'Reason Code=28 LB1010g
0027C3	C4C4409581948540			4305 RMSG28	DC C'DD name must be 1-8 characters'	LB1010g
0027E1	F2F9001B			4306	DC C'29',AL2(L'RMSG29)	'Reason Code=29
0027E5	C481A381A285A340			4307 RMSG29	DC C'Dataset or DD name required'	LB1010g
002800	F9F0001D			4308	DC C'90',AL2(L'RMSG90)	'Reason Code=90 LB1010g
002804	C4C4D5409596A340			4309 RMSG90	DC C'DDN not allocated (not found)'	LB1010g
002821	F9F90024			4310	DC C'99',AL2(L'RMSG99)	'Reason Code=99
002825	C1C2D6E4E3409985			4311 RMSG99	DC C'ABOUT request, no DSN info retrieved'	
		001ED		4312 RSTBLLEN	EQU *-RSTBLBEG	
				4313 *		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
				4315	*	*/*****	
				4316	*	/* Return Code Messages	
				4317	*	*/*****	
		02849		4318	RCTBL	EQU *	
		02849		4319	RCTBLBEG	EQU *	
002849	F0F00012			4320		DC C'00',AL2(L'RCMSG00)	'Return Code=00
00284D	E2A4838385A2A286			4321	RCMSG00	DC C'Successful request'	
00285F	F0F40027			4322		DC C'04',AL2(L'RCMSG04)	'Return Code=04
002863	E2969485408481A3			4323	RCMSG04	DC C'Some dataset information is unavailable'	
00288A	F1F60024			4324		DC C'16',AL2(L'RCMSG16)	'Return Code=16
00288E	C599999699409683			4325	RCMSG16	DC C'Error occured, variable data invalid'	
		00069		4326	RCTBLLEN	EQU *-RCTBLBEG	
				4327	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					4329	*	* /*****	/			
					4330	*	* /* Messages - Internal	*/			
					4331	*	* /*****	/			
0028B2	D7C1D9D440D596A3				4332	MSG4004	DC C'PARM Not supplied'				
				00011	4333	MSG4004L	EQU *-MSG4004				
0028C3	C3D7D7D340D59640				4334	MSG4009	DC C'CPPL No variables' ZERO				
				00011	4335	MSG4009L	EQU *-MSG4009				
0028D4	C381959596A34093				4336	MSG4097	DC C'Cannot link to IKJDAIR'				
				00016	4337	MSG4097L	EQU *-MSG4097				
0028EA	C381959596A34093				4338	MSG4098	DC C'Cannot link to IKJCT441'				
				00017	4339	MSG4098L	EQU *-MSG4098				
002901	D4A4A2A34099A495				4340	MSG4099	DC C'Must run under TSO'				
				00012	4341	MSG4099L	EQU *-MSG4099				
					4342	*					
002913	C4C9D9409697A389				4343	MSGJ015	DC C'DIR option not valid, ignored'				
				0001D	4344	MSGJ015L	EQU *-MSGJ015				
002930	D9C37EA7A7A740C1				4345	MSGJ017	DC C'RC=xxx Allocate PDS error'				
				00019	4346	MSGJ017L	EQU *-MSGJ017				
002949	D9C37EA7A7A740C6				4347	MSGJ018	DC C'RC=xxx Free PDS error'				
				00015	4348	MSGJ018L	EQU *-MSGJ018				
00295E	D9C37EA7A7A740C4				4349	MSGJ020	DC C'RC=xxx DSCB-Fx CAMLST NAME error'				
				00020	4350	MSGJ020L	EQU *-MSGJ020				
00297E	D9C37EA7A7A740C4				4351	MSGJ021	DC C'RC=xxx DSCB-Fx CAMLST SEARCH error'				
				00022	4352	MSGJ021L	EQU *-MSGJ021				
0029A0	D9C37EA7A7A740C4				4353	MSGJ022	DC C'RC=xxx DSCB-Fx CAMLST SEEK error'				
				00020	4354	MSGJ022L	EQU *-MSGJ022				
0029C0	F1F2F3F4F5F6F7F8				4355	MSGJ025	DC C'1234567890 xxx not defined in table'				
				00023	4356	MSGJ025L	EQU *-MSGJ025				
0029E3	D9C37EA7A7A740C9				4357	MSGJ027	DC C'RC=xxx IKJCT441 error w zzzzzzzzzzzzzzzzzzzz '				
				0002A	4358	MSG4027L	EQU *-MSGJ027				
002A0D	D9C37EA7A7A740D6				4359	MSGJ030	DC C'RC=xxx Open PDS error'				
				00015	4360	MSGJ030L	EQU *-MSGJ030				
002A22	D9C37EA7A7A740C3				4361	MSGJ031	DC C'RC=xxx Close PDS error'				
				00016	4362	MSGJ031L	EQU *-MSGJ031				
002A38	D9C37EA7A7A740C9				4363	MSGJ032	DC C'RC=xxx ISPF 12345678 .	.	'		LB1010h
				0002A	4364	MSGJ032L	EQU *-MSGJ032				LB1010h
					4365	*					
002A62	E2E3C1D9E340D3C9				4366	MM1	DC C'START LISTDSJ'				
				0000D	4367	MM1L	EQU *-MM1				
					4368	*					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				4370 *	/* *****/	
				4371 *	/* Initialized DAPB08 Allocate Block */	
				4372 *	/* *****/	
002A70				4373 INPB08 DS	0D	Initialized DAPB08 Block
002A70 0008				4374 IN08CD DC	X'0008'	DAIR ENTRY CODE
002A72 00				4375 IN08FLG DC	X'00'	FUNCTIONS TO BE PERFORMED WHEN RC=0
002A73 00				4376	DC X'00'	
002A74 0000				4377 IN08DARC DC	H'0'	DYN ALLOC RETURN CODE
002A76 0000				4378 IN08CTRC DC	H'0'	CATALOG RETURN CODE
002A78 00000000				4379 IN08PDSN DC	A(0)	POINTER TO DSNAME TO BE SEARCHED IN DSE
002A7C 4040404040404040				4380 IN08DDN DC	CL8' '	DDNAME TO BE SEARCHED IN DSE
002A84 4040404040404040				4381 IN08UNIT DC	CL8' '	UNITNAME REQUESTED
002A8C 4040404040404040				4382 IN08SER DC	CL8' '	VOLUME SERIAL NUMBER-PADDED W/BLANKS
002A94 00000000				4383 IN08BLK DC	X'00000000'	DATA SET AVERAGE RECORD LENGTH
002A98 00000000				4384 IN08PQTY DC	X'00000000'	PRIMARY SPACE QUANTITY
002A9C 00000000				4385 IN08SQTY DC	X'00000000'	SECONDARY SPACE QUANTITY
002AA0 00000000				4386 IN08DQTY DC	X'00000000'	DIRECTORY BLOCK QUANTITY
002AA4 4040404040404040				4387 IN08MNM DC	CL8' '	MEMBER NAME
002AAC 4040404040404040				4388 IN08PSWD DC	CL8' '	PASSWORD
002AB4 00				4389 IN08DSP1 DC	X'00'	DATA SET STATUS FLGS(IF=0 OLD ASSUMED)
002AB5 00				4390 IN08DPS2 DC	X'00'	DATA SET DISPOSITION(IF=0 KEEP ASSUMED)
002AB6 00				4391 IN08DPS3 DC	X'00'	DATA SET CONDITIONAL DISPOSITION
002AB7 00				4392 IN08CTL DC	X'00'	FLAGS TO CONTROL ACTIONS TAKEN BY DAIR
002AB8 000000				4393	DC X'000000'	RESERVED
002ABB 00				4394 IN08DSO DC	X'00'	DSORG
002ABC 4040404040404040				4395 IN08ALN DC	CL8' '	ATTR-LIST-NAME
		00054		4396 INPB08L EQU	*-INPB08	Length of Initialized DAPB08 Block
				4397 *		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				4399 *	*/*****	
				4400 *	/* Initialized DAPB18 Free Block */	
				4401 *	*/*****	
002AC8				4402 INPB18 DS	0D	Initialized DAPB18 Block
002AC8 0018				4403 IN18CD DC	X'0018'	DAIR ENTRY CODE
002ACA 00				4404 IN18FLG DC	X'00'	FUNCTIONS TO BE PERFORMED WHEN RC=0
002ACB 00				4405	DC X'00'	
002ACC 0000				4406 IN18DARC DC	H'0'	DYNAMIC ALLOCATION RETURN CODE
002ACE 0000				4407 IN18CTRC DC	H'0'	CATALOG RETURN CODE AREA
002AD0 00000000				4408 IN18PDSN DC	A(0)	POINTER TO DSNAME TO BE SEARCHED IN DSE
002AD4 4040404040404040				4409 IN18DDN DC	CL8' '	DDNAME TO BE SEARCHED IN DSE
002ADC 4040404040404040				4410 IN18MNM DC	CL8' '	MEMBER NAME
002AE4 4040				4411 IN18SCLS DC	CL2' '	SYSOUT CLASS DESIRED WHEN UNALLOCATING A
				4412 *		SYSOUT DATA SET
002AE6 00				4413 IN18DPS2 DC	X'00'	DATA SET DISPOSITION
002AE7 00				4414 IN18CTL DC	X'00'	FLAGS FOR SPECIAL DAIR PROCESSING
002AE8 4040404040404040				4415 IN18JBNM DC	CL8' '	IGNORED AS OF OS VS/2 RELEASE 2
		00028		4416 INPB18L EQU	*-INPB18	Length of Initialized DAPB18 Block
				4417 *		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				4420 *	/* ***** */	LB1010h
				4421 *	/* ISPF ISPLINK Constants 8-bytes */	LB1010h
				4422 *	/* ***** */	LB1010h
002AF0	E5C4C5C6C9D5C540			4423	VDEFINE DC CL8'VDEFINE '	LB1010h
002AF8	E5C4C5D3C5E3C540			4424	VDELETE DC CL8'VDELETE '	LB1010h
002B00	E3C2C3D9C5C1E3C5			4425	TBCREATE DC CL8'TBCREATE '	LB1010h
002B08	E3C2C1C4C4404040			4426	TBADD DC CL8'TBADD '	LB1010h
002B10	E3C2C5D9C1E2C540			4427	TBERASE DC CL8'TBERASE '	LB1010h
002B18	E3C2E2C1E5C54040			4428	TBSAVE DC CL8'TBSAVE '	LB1010h
002B20	E3C2C3D3D6E2C540			4429	TBCLOSE DC CL8'TBCLOSE '	LB1010h
002B28	D5D6E6D9C9E3C540			4430	NOWRITE DC CL8'NOWRITE '	LB1010h
002B30	E2C8C1D9C5404040			4431	SHARE DC CL8'SHARE '	LB1010h
002B38	C3C8C1D940404040			4432	CHAR DC CL8'CHAR '	LB1010h
002B40	40			4433	B DC CL1' '	LB1010h
002B41	F0F1F2F3F4F5F6F7			4434	HEXTAB DC C'01234567'	LB1010h
002B49	F8F9C1C2C3C4C5C6			4435	DC C'89ABCDEF'	LB1010h
				4436 *	/* ***** */	LB1010h
				4437 *	/* ISPF Table lists */	LB1010h
				4438 *	/* ***** */	LB1010h
002B51	4DC9D4C5D4C2D95D			4439	KLIST DC C'(IMEMBR)'	LB1010h
002B59	4DC9E3E3D9D740C9			4440	NLIST DC C'(ITTRP IVVMM ICDTE IMDTE IMTIM IRCUR IRINT IRMOD IUSRID)'	LB1010h
				4441 *	/* ***** */	LB1010h
				4442 *	/* ISPF Table column names DIRLSTn 8-bytes */	LB1010h
				4443 *	/* ***** */	LB1010h
002B91	C9D4C5D4C2D94040			4444	IMEMBRN DC C'IMEMBR '	LB1010h
002B99	C9E3E3D9D7404040			4445	ITTRPN DC C'ITTRP '	LB1010h
002BA1	C9E5E5D4D4404040			4446	IVVMMN DC C'IVVMM '	LB1010h
002BA9	C9C3C4E3C5404040			4447	ICDTEN DC C'ICDTE '	LB1010h
002BB1	C9D4C4E3C5404040			4448	IMDTEN DC C'IMDTE '	LB1010h
002BB9	C9D4E3C9D4404040			4449	IMTIMN DC C'IMTIM '	LB1010h
002BC1	C9D9C3E4D9404040			4450	IRCURN DC C'IRCUR '	LB1010h
002BC9	C9D9C9D5E3404040			4451	IRINTN DC C'IRINT '	LB1010h
002BD1	C9D9D4D6C4404040			4452	IRMODN DC C'IRMOD '	LB1010h
002BD9	C9E4E2D9C9C44040			4453	IUSRIDN DC C'IUSRID '	LB1010h
				4454 *	/* ***** */	LB1010h
				4455 *	/* ISPF Table column lengths DIRLSTn */	LB1010h
				4456 *	/* ***** */	LB1010h
002BE1	000000					
002BE4	00000008			4457	IMEMBRL DC A(L'IMEMBR)	LB1010h
002BE8	00000006			4458	ITTRPL DC A(L'ITTRP)	LB1010h
002BEC	00000005			4459	IVVML DC A(L'IVVMM)	LB1010h
002BF0	00000008			4460	ICDTEL DC A(L'ICDTE)	LB1010h
002BF4	00000008			4461	IMDTEL DC A(L'IMDTE)	LB1010h
002BF8	00000008			4462	IMTIML DC A(L'IMTIM)	LB1010h
002BFC	00000005			4463	IRCURL DC A(L'IRCUR)	LB1010h
002C00	00000005			4464	IRINTL DC A(L'IRINT)	LB1010h
002C04	00000005			4465	IRMODL DC A(L'IRMOD)	LB1010h
002C08	00000007			4466	IUSRIDL DC A(L'IUSRID)	LB1010h

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
				4468 *	*	/*****	
				4469 *	*	/* PDS Directory DCB and READ as model */	
				4470 *	*	/*****	
				4471		PRINT GEN	
				4472 DIRDCB	DCB	DDNAME=DYNAM, DSORG=PO, MACRF=R, EODAD=PODEOF, SYNAD=PODSYN, X RECFM=U, BLKSIZE=256	
				4474+*		DATA CONTROL BLOCK	22770000
				4475+*			22860000
002C0C				4476+DIRDCB	DC	0F'0' ORIGIN ON WORD BOUNDARY	22914000
				4478+*		DIRECT ACCESS DEVICE INTERFACE	27360000
002C0C	0000000000000000			4480+	DC	BL16'0' FDAD, DVTBL	27540000
002C1C	00000000			4481+	DC	A(0) KEYLE, DEVT, TRBAL	27720000
				4483+*		COMMON ACCESS METHOD INTERFACE	48690000
002C20	00			4485+	DC	AL1(0) BUFNO	49050000
002C21	000001			4486+	DC	AL3(1) BUFCB	54720000
002C24	0000			4487+	DC	AL2(0) BUFL	55170000
002C26	0200			4488+	DC	BL2'0000001000000000'	*55800000
				+		DSORG	55890000
002C28	00000001			4489+	DC	A(1) IOBAD	56340000
				4491+*		FOUNDATION EXTENSION	56610000
002C2C	00			4493+	DC	BL1'00000000' BFTEK, BFLN, HIARCHY	59850000
002C2D	001316			4494+	DC	AL3(PODEOF) EODAD	65970000
002C30	C0			4495+	DC	BL1'11000000'	*66150000
				+		RECFM	66240000
002C31	000000			4496+	DC	AL3(0) EXLST	66330000
				4498+*		FOUNDATION BLOCK	66690000
002C34	C4E8D5C1D4404040			4500+	DC	CL8'DYNAM' DDNAME	66870000
002C3C	02			4501+	DC	BL1'00000010' OFLGS	68220000
002C3D	00			4502+	DC	BL1'00000000' IFLG	68310000
002C3E	2400			4503+	DC	BL2'0010010000000000'	*68400000
				+			*68490000
				+		MACR	68580000
				4505+*		BSAM-BPAM-QSAM INTERFACE	74430000
002C40	00			4507+	DC	BL1'00000000'	*74610000
				+			RER1 74700000
002C41	000001			4508+	DC	AL3(1) CHECK, GERR, PERR	74790000
002C44	000012E0			4509+	DC	A(PODSYN) SYNAD	74880000
002C48	0000			4510+	DC	H'0' CIND1, CIND2	74970000
002C4A	0100			4511+	DC	AL2(256) BLKSIZE	75240000
002C4C	00000000			4512+	DC	F'0' WCP0, WCPL, OFFSR, OFFSW	75870000
002C50	00000001			4513+	DC	A(1) IOBA	75960000
002C54	00			4514+	DC	AL1(0) NCP	76050000
002C55	000001			4515+	DC	AL3(1) EOBR, EOBA	76140000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
				4517+*		BSAM-BPAM INTERFACE	76410000
002C58	00000001			4519+	DC	A(1) EOBW	76590000
002C5C	0000			4520+	DC	H'0' DIRCT	78210000
002C5E	0000			4521+	DC	AL2(0) LRECL	80730000
002C60	00000001			4522+	DC	A(1) CNTRL, NOTE, POINT	78480000
		00058		4523	DIRDCBL EQU	*-DIRDCB	
				4524	*		
002C64				4525	DIRREADM READ	DIRDECB, SF, MF=L	
				4526+	DIRREADM DS	0F	00220000
002C64	00000000			4527+	DIRDECB DC	F'0'	00260000
002C68	00			4528+	DC	X'00'	00500000
002C69	80			4529+	DC	X'80'	00840000
002C6A	0000			4530+	DC	AL2(0)	00940000
002C6C	00000000			4531+	DC	A(0)	01040000
002C70	00000000			4532+	DC	A(0)	01140000
002C74	00000000			4533+	DC	A(0)	01160000
		00014		4534	DIRDECBL EQU	*-DIRDECB	
				4535	*		

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 23.53 10/02/19

```
4537 *      * /*****  
4538 *      * /* E Q U A T E S */  
4539 *      * /*****  
4540 *      *  
4541 *      * /*****  
4542 *      * /* IKJCT441 Entry Code Values */  
4543 *      * /*****  
00002 4544 TSVEUPDT EQU 2 Update/Create Request  
4545 *      *  
4546 *      * /*****  
4547 *      * /* Register Equates */  
4548 *      * /*****  
4549 YREGS Register EQU as Rn or Rnn
```

00000	4551+R0	EQU	0	00060000
00001	4552+R1	EQU	1	00070000
00002	4553+R2	EQU	2	00080000
00003	4554+R3	EQU	3	00090000
00004	4555+R4	EQU	4	00100000
00005	4556+R5	EQU	5	00110000
00006	4557+R6	EQU	6	00120000
00007	4558+R7	EQU	7	00130000
00008	4559+R8	EQU	8	00140000
00009	4560+R9	EQU	9	00150000
0000A	4561+R10	EQU	10	00160000
0000B	4562+R11	EQU	11	00170000
0000C	4563+R12	EQU	12	00180000
0000D	4564+R13	EQU	13	00190000
0000E	4565+R14	EQU	14	00200000
0000F	4566+R15	EQU	15	00210000

```
4568 *  
4569 *R0 EQU 0  
4570 *R1 EQU 0  
4571 *R2 EQU 0  
4572 *R3 EQU 0  
4573 *R4 EQU 0  
4574 *R5 EQU 0  
4575 *R6 EQU 0  
4576 *R7 EQU 0  
4577 *R8 EQU 0  
4578 *R9 EQU 0  
4579 *R10 EQU 0  
4580 *R11 EQU 0  
4581 *R12 EQU 0  
4582 *R13 EQU 0  
4583 *R14 EQU 0  
4584 *R15 EQU 0  
4585 *  
4586 *      * /*****  
4587 *      * /* Other Equates */  
4588 *      * /*****
```

00028	4589 DDNAM	EQU	40	DDNAME DCB offset
	4590 *			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				4592 *	*	
				4593 *	/* *****/	
				4594 *	/* System DSECTs */	
				4595 *	/* *****/	
				4596	IHAPSA Prefixed Save Area	
				4597+*	%PSAL1 : ;	00250002
				4598+*		00300002
				4599+*/	*****	*/ 00350002
				4600+*/		*/ 00400002
				4601+*/	PREFIXED SAVE AREA	*/ 00450002
				4602+*/		*/ 00500002
				4603+*/	OS/VS2 SU64, 03/08/79, LEVEL=6	*/ 00502000
				4604+*/		*/ 00600002
				4605+*/	METHOD OF ACCESS	*/ 00650002
				4606+*/	BAL - DSECT IS PRODUCED UNLESS DSECT=NO IS SPECIFIED.	*/ 00700002
				4607+*/	USING ON PSA GIVES ADDRESSABILITY FOR ALL SYMBOLS.	*/ 00710002
				4608+*/	PL/S - PSA WILL BE BASED(0) FOR PL/S I OR LOCATION(0) FOR	*/ 00720002
				4609+*/	PL/S II UNLESS %PSABASE IS SET TO SOME OTHER VALUE	*/ 00730002
				4610+*/	BEFORE INCLUDE FOR MACRO.	*/ 00740002
				4611+*/		*/ 00750002
				4612+*/	NOTE	*/ 00800002
				4613+*/	THE LABELS BEGINNING WITH PSA OR FLC ARE THE PROPER LABELS	*/ 00850002
				4614+*/	TO USE. THE OTHER LABELS ARE GIVEN AS ALIAS NAMES FOR	*/ 00900002
				4615+*/	COMPATIBILITY WITH LABELS USED FOR SYSTEM 360 LOW CORE.	*/ 00910002
				4616+*/		*/ 00950002
				4617+*/	*****	*/ 01000002
				4618+*		01050002
				4619+*	%GOTO PSAL2; /*	01100002
000000				4621+PSA	DSECT	01250002
		000000		4622+FLC	EQU *	01510002
000000				4623+FLCIPPSW	DS 0CL8 - IPL PSW	01511002
000000	040E0000			4624+FLCRNPSW	DC XL4'040E0000' -RESTART NEW PSW (AFTER IPL)	MDC001 01512002
000004	00000000			4625+	DC V(IEAVRSTR) - SECOND HALF OF RESTART NEW PSW	MDC128 01513002
		000000		4626+IPLPSW	EQU FLCIPPSW --- ALIAS	01514002
000008				4627+FLCICW1	DS 0CL8 - IPL CCW1	01515002
000008	0000000000000000			4628+FLCROPSW	DC XL8'00' - RESTART OLD PSW (AFTER IPL)	01516002
000010				4629+FLCICW2	DS 0CL8 - IPL CCW2	01517002
000010	00000000			4630+FLCCVT	DC V(IEACVT) - ADDRESS OF CVT (AFTER IPL)	01518002
000014	00000000			4631+	DC XL4'00' - RESERVED (AFTER IPL)	01519002
000018	0000000000000000			4632+FLCEOPSW	DC XL8'00' - EXTERNAL OLD PSW	01520002
		00018		4633+EXOPSW	EQU FLCEOPSW --- ALIAS	01521002
000020	0000000000000000			4634+FLCSOPSW	DC XL8'00' - SVC OLD PSW	01522002
		00020		4635+SVCOPSW	EQU FLCSOPSW --- ALIAS	01523002
000028	0000000000000000			4636+FLCPOPSW	DC XL8'00' - PROGRAM CHECK OLD PSW	01524002
		00028		4637+PIOPSW	EQU FLCPOPSW --- ALIAS	01525002
000030	0000000000000000			4638+FLCMOPSW	DC XL8'00' - MACHINE CHECK OLD PSW	01526002
		00030		4639+MCOPSW	EQU FLCMOPSW --- ALIAS	01527002
000038	0000000000000000			4640+FLCIOPSW	DC XL8'00' - INPUT/OUTPUT OLD PSW	01528002
		00038		4641+IOOPSW	EQU FLCIOPSW --- ALIAS	01529002
000040	0000000000000000			4642+FLCCSW	DC XL8'00' - CHANNEL STATUS WORD	01530002
000048	00000000			4643+FLCCAW	DC XL4'00' - CHANNEL ADDRESS WORD	01531002
00004C	00000000			4644+FLCCVT2	DC V(IEACVT) - ADDRESS OF CVT - USED BY DUMP	01532002
				4645+*	ROUTINES	ICB319 01533002
000050	FFFFFFFF			4646+FLCTIMER	DC XL4'FFFFFFFF' -TIMER	01534002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
			00050	4647+TIMER	EQU	FLCTIMER	01535002
000054	00000000			4648+FLCTRACE	DC	A(0) - ADDRESS OF TRACE TABLE HEADER	YM2703 01536002
000058	040C0000			4649+FLCENPSW	DC	XL4'040C0000' -EXTERNAL NEW PSW	01537002
00005C	00000000			4650+	DC	V(IEAQEX00) - SECOND HALF OF EXTERNAL NEW PSW	01538002
			00058	4651+EXNPSW	EQU	FLCENPSW --- ALIAS	01539002
000060	040C0000			4652+FLCSNPSW	DC	XL4'040C0000' -SVC NEW PSW	01540002
000064	00000000			4653+	DC	V(IEAQSC00) - SECOND HALF OF SVC NEW PSW	01541002
			00060	4654+SVCNPSW	EQU	FLCSNPSW --- ALIAS	01542002
000068	000E0000			4655+FLCPNPSW	DC	XL4'000E0000' -PROGRAM CHECK NEW PSW	MDC002 01543002
00006C	00000000			4656+	DC	V(IEAQPK00) - SECOND HALF OF PROGRAM CHECK NEW PSW	01544002
			00068	4657+PINPSW	EQU	FLCPNPSW --- ALIAS	01545002
000070	00080000			4658+FLCMNPSW	DC	XL4'00080000' -MACHINE CHECK NEW PSW	MDC003 01546002
000074	00000000			4659+	DC	V(IGFPMC1H) - SECOND HALF OF MACHINE CHECK NEW PSW	01547002
				4660+*			MDC003 01548002
			00070	4661+MCNPSW	EQU	FLCMNPSW --- ALIAS	01549002
000078	040C0000			4662+FLCINPSW	DC	XL4'040C0000' -INPUT/OUTPUT NEW PSW	01549202
00007C	00000000			4663+	DC	V(IEAQI000) - SECOND HALF OF I/O NEW PSW	01549402
			00078	4664+IONPSW	EQU	FLCINPSW --- ALIAS	01549602
000080	00000000			4665+	DC	XL4'00' - RESERVED	01549802
000084				4666+PSAEPSW	DS	0F - EXTENDED PSW DATA STORED ON EXTERNAL	01549902
				4667+*		INTERRUPT	MDC084 01550002
000084	0000			4668+PSASPAD	DC	H'0' - ISSUING PROCESSOR'S PHYSICAL ADDRESS ON	01550202
				4669+*		EMS OR EXTERNAL CALL INTERRUPT	MDC046 01550602
000086	0000			4670+FLCEICOD	DC	H'0' - EXTERNAL INTERRUPTION CODE	01550902
			00086	4671+EXCODE	EQU	FLCEICOD --- ALIAS	01551102
000088				4672+PSAESPSW	DS	0F - EXTENDED PSW DATA STORED ON SVC	01551202
				4673+*		INTERRUPT	MDC085 01551902
000088	00			4674+	DC	XL1'00' - RESERVED - SET TO ZERO	01557302
000089	00			4675+FLCSVILC	DC	FL1'0' - SVC INSTRUCTION LENGTH COUNTER -	01558002
				4676+*		NUMBER OF BYTES	MDC079 01558602
			00007	4677+FLCSILCB	EQU	X'07' - SIGNIFICANT BITS IN ILC FIELD - LAST	01558702
				4678+*		BIT IS ALWAYS ZERO	MDC080 01559502
			00089	4679+SVCILC	EQU	FLCSVILC --- ALIAS	01560202
00008A	0000			4680+FLCSVCN	DC	H'0' - SVC INTERRUPTION CODE - SVC NUMBER	MDC081 01560402
			0008A	4681+SVCNUM	EQU	FLCSVCN --- ALIAS	01560802
00008C				4682+PSAEPSPW	DS	0CL8 - EXTENDED PSW FOR PROGRAM INTERRUPT	MDC086 01561402
00008C	00			4683+	DC	XL1'00' - RESERVED - SET TO ZERO	01561502
00008D	00			4684+FLCPIILC	DC	FL1'0' - PROGRAM INTERRUPT LENGTH COUNTER -	01562202
				4685+*		NUMBER OF BYTES IN INSTRUCTION CAUSING	01562802
				4686+*		PROGRAM INTERRUPTION	MDC082 01562902
			00007	4687+FLCPILCB	EQU	X'07' - SIGNIFICANT BITS IN ILC FIELD - LAST	01563102
				4688+*		BIT IS ALWAYS ZERO	MDC083 01563302
			0008D	4689+PIILC	EQU	FLCPIILC --- ALIAS	01563602
00008E				4690+FLCPICOD	DS	0H - PROGRAM INTERRUPTION CODE	01564302
			0008E	4691+PICODE	EQU	FLCPICOD --- ALIAS	01565002
00008E	00			4692+PSARV049	DC	XL1'00' - RESERVED FOR IMPRECISE INTERRUPTS	MDC087 01565502
00008F	00			4693+PSAPICOD	DC	FL1'0' - 8-BIT INTERRUPT CODE	MDC088 01565602
			00080	4694+PSAPIPER	EQU	X'80' - PER INTERRUPT OCCURRED	MDC089 01565702
			00040	4695+PSAPIMC	EQU	X'40' - MONITOR CALL INTERRUPT OCCURRED	MDC090 01565802
			0003F	4696+PSAPIPC	EQU	X'3F' - AN UNSOLICITED PROGRAM CHECK HAS	01565902
				4697+*		OCCURRED IF ANY OF THESE 6 BITS ARE	01566002
				4698+*		ON	MDC091 01566102
000090				4699+FLCTEA	DS	0A - TRANSLATION EXCEPTION ADDRESS	01566302
000090	00			4700+	DC	XL1'00' - RESERVED - SET TO ZERO	01566402
000091	000000			4701+FLCTEAA	DC	AL3(0) - TRANSLATION EXCEPTION ADDRESS	01567102

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
000094	00			4702+	DC	XL1'00' -	RESERVED - SET TO ZERO 01567802
000095	00			4703+FLCMCNUM	DC	XL1'00' -	MONITOR CLASS NUMBER 01568502
000096	00			4704+FLCPCERCD	DC	XL1'00' -	PROGRAM EVENT RECORDING CODE 01569202
000097	00			4705+	DC	XL1'00' -	RESERVED - SET TO ZERO 01569902
000098				4706+FLCPCER	DS	0A -	PER ADDRESS 01570602
000098	00			4707+	DC	XL1'00' -	RESERVED - SET TO ZERO 01571302
000099	000000			4708+FLCPCERA	DC	AL3(0) -	PER ADDRESS 01572002
00009C	00			4709+	DC	XL1'00' -	RESERVED - SET TO ZERO 01572702
00009D	000000			4710+FLCMTRCD	DC	XL3'00' -	MONITOR CODE 01573402
0000A0	000000000000000000			4711+	DC	XL8'00' -	RESERVED 01574102
0000A8				4712+FLCMCLA	DS	0XL344 -	MACHINE CHECK LOGOUT AREA 01574802
0000A8				4713+FLCCHNID	DS	0XL4 -	CHANNEL ID SET BY STIDC (MDC436) @G51BP9A 01574951
0000A8	0000			4714+FLCCHTM	DC	XL2'00' -	CHANNEL TYPE (4 BITS) AND MODEL NUMBER 01575551
				4715+*			(12 BITS) (MDC437) @G51BP9A 01575651
0000AA	0000			4716+FLCCHIL	DC	H'0' -	I/O EXTENDED LOGOUT (IOEL) LENGTH 01575751
				4717+*			(MDC440) @G51BP9A 01575851
0000AC				4718+FLCIOEL	DS	0A -	SAME AS FLCIOELA BELOW 01576202
0000AC	00			4719+	DC	XL1'00' -	RESERVED 01576902
0000AD	000000			4720+FLCIOELA	DC	AL3(0) -	I/O EXTENDED LOGOUT (IOEL) POINTER 01577602
0000B0	00000000			4721+FLCLCL	DC	XL4'00' -	LIMITED CHANNEL LOGOUT (ECSW) 01578302
0000B4	0000			4722+	DC	XL2'00' -	RESERVED 01579002
0000B6	00			4723+	DC	XL1'00' -	RESERVED MDC051 01579702
0000B7	00			4724+	DC	XL1'00' -	RESERVED MDC052 01580402
0000B8				4725+FLCIOA	DS	0A -	I/O ADDRESS 01581102
0000B8	00			4726+	DC	XL1'00' -	RESERVED 01581802
0000B9	000000			4727+FLCIOAA	DC	AL3(0) -	I/O ADDRESS 01582502
0000BC	000000000000000000			4728+	DC	XL44'00' -	RESERVED 01583202
0000E8	000000000000000000			4729+FLCMCIC	DC	XL8'00' -	MACHINE-CHECK INTERRUPTION CODE 01583902
0000F0	00000000			4730+	DC	XL4'00' -	RESERVED @G51BP9A 01584251
0000F4	00			4731+PSAMEDC	DC	XL1'00' -	EXTERNAL DAMAGE CODE (MDC441) @G51BP9A 01584651
				4732+*	EQU	X'80' -	RESERVED @G51BP9A 01584751
		00040		4733+PSAMCOPR	EQU	X'40' -	CHANNEL CHANGED FROM NOT OPERATIONAL TO 01584851
				4734+*			OPERATIONAL STATE (MDC442) @G51BP9A 01584951
		00020		4735+PSAMEXSR	EQU	X'20' -	EXTERNAL SECONDARY REPORT 01585051
				4736+*			(MDC443) @G51BP9A 01585151
		00010		4737+PSAMCNOP	EQU	X'10' -	CHANNEL ENTERED NOT OPERATIONAL STATE 01585251
				4738+*			WITHOUT PERFORMING I/O SYSTEM RESET 01585951
				4739+*			(MDC444) @G51BP9A 01586051
		00008		4740+PSAMCCF	EQU	X'08' -	CHANNEL CONTROL FAILURE (MDC445) @G51BP9A 01586151
		00004		4741+PSAMINST	EQU	X'04' -	I/O INSTRUCTION TIMEOUT (MDC446) @G51BP9A 01586251
		00002		4742+PSAMINTR	EQU	X'02' -	I/O INTERRUPTION TIMEOUT 01586351
				4743+*			(MDC447) @G51BP9A 01586451
		00001		4744+PSAMDISC	EQU	X'01' -	DISCONNECT CHANNEL SET (DISCS) 01586551
				4745+*			INSTRUCTION CANNOT BE COMPLETED 01587251
				4746+*			(MDC448) @G51BP9A 01587351
0000F5	000000			4747+	DC	XL3'00' -	ZEROES (MDC449) @G51BP9A 01587451
0000F8				4748+FLCFSA	DS	0A -	FAILING STORAGE ADDRESS 01587551
0000F8	00			4749+	DC	XL1'00' -	ZEROES 01587651
0000F9	000000			4750+FLCFSA	DC	AL3(0) -	FAILING STORAGE ADDRESS 01587951
0000FC	00000000			4751+FLCRGNCD	DC	XL4'00' -	REGION CODE 01588051
000100	000000000000000000			4752+FLCFLA	DC	XL96'00' -	FIXED LOGOUT AREA 01588102
000160	000000000000000000			4753+FLCFPSAV	DC	XL32'00' -	FLOATING POINT REGISTER SAVE AREA 01588802
000180	000000000000000000			4754+FLCGRSAV	DC	16F'0' -	GENERAL REGISTER SAVE AREA 01589502
0001C0	000000000000000000			4755+FLCCRSAV	DC	16F'0' -	CONTROL REGISTER SAVE AREA 01590202
000200				4756+FLCHDEND	DS	0D -	END OF HARDWARE ASSIGNMENTS 01590902

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
000200	D7E2C140			4758+PSAPSA	DC	CL4'PSA ' -	CONTROL BLOCK ACRONYM IN EBCDIC 01599302
000204	0000			4759+PSACPUPA	DC	H'0' -	PHYSICAL CPU ADDRESS (CHANGED DURING ACR) 01600002
				4760+*			(MDC130) YM3489 01620002
000206	0000			4761+PSACPULA	DC	H'0' -	LOGICAL CPU ADDRESS 01650002
000208	00000000			4762+PSAPCCAV	DC	A(0) -	VIRTUAL ADDRESS OF PCCA 01700002
00020C	00000000			4763+PSAPCCAR	DC	A(0) -	REAL ADDRESS OF PCCA 01750002
000210	00000000			4764+PSALCCAV	DC	A(0) -	VIRTUAL ADDRESS OF LCCA 01800002
000214	00000000			4765+PSALCCAR	DC	A(0) -	REAL ADDRESS OF LCCA 01850002
000218	00000000			4766+PSATNEW	DC	A(0) -	TCB NEW POINTER 01900002
		00218		4767+IEATCBP	EQU	PSATNEW -	ALIAS 01910002
00021C	00000000			4768+PSATOLD	DC	A(0) -	TCB OLD POINTER 01950002
000220	00000000			4769+PSAANew	DC	A(0) -	ASCB NEW POINTER 02000002
000224	00000000			4770+PSAAOLD	DC	A(0) -	ASCB OLD POINTER 02050002
000228				4771+PSASUPER	DS	0BL4 -	SUPERVISOR CONTROL WORD 02100002
000228	00			4772+PSASUP1	DC	XL1'00' -	FIRST BYTE OF PSASUPER 02150002
		00080		4773+PSAIO	EQU	X'80' -	I/O FLIH 02200002
		00040		4774+PSASVC	EQU	X'40' -	SVC FLIH 02250002
		00020		4775+PSAEXT	EQU	X'20' -	EXTERNAL FLIH 02300002
		00010		4776+PSAPI	EQU	X'10' -	PROGRAM CHECK FLIH 02350002
		00008		4777+PSALOCK	EQU	X'08' -	LOCK ROUTINE 02400002
		00004		4778+PSADISP	EQU	X'04' -	DISPATCHER 02450002
		00002		4779+PSATCTL	EQU	X'02' -	TCTL RECOVERY FLAG (MDC310) @Z40FP9A 02500004
		00001		4780+PSATYPE6	EQU	X'01' -	TYPE 6 SVC IN CONTROL (MDC311) @Z40FP9A 02530004
000229	00			4781+PSASUP2	DC	XL1'00' -	SECOND BYTE OF PSASUPER 02600002
		00080		4782+PSAIPCRI	EQU	X'80' -	SIGP - REMOTE IMMEDIATE 02650002
		00040		4783+PSAGTF	EQU	X'40' -	GTF GIVEN CONTROL FROM FLIH 02700002
		00020		4784+PSAIPCEC	EQU	X'20' -	EXTERNAL CALL SLIH IS ACTIVE MDC047 02750002
		00010		4785+PSAIPCES	EQU	X'10' -	EMERGENCY SIGNAL SLIH IS ACTIVE MDC048 02800002
		00008		4786+PSAIPCE2	EQU	X'08' -	EMERGENCY SIGNAL (EMS) SLIH RECURSIVE 02850002
				4787+*			ENTRY FLAG MDC110 02860002
		00004		4788+PSAACR	EQU	X'04' -	AUTOMATIC CPU RECONFIGURATION (ACR) IN 02910002
				4789+*			CONTROL MDC119 02960002
		00002		4790+PSARTM	EQU	X'02' -	RECOVERY TERMINATION MONITOR (RTM) IN 02970002
				4791+*			CONTROL MDC120 02980002
		00001		4792+PSALCR	EQU	X'01' -	LOW CORE REFRESH ROUTINE IS ACTIVE MDC126 03030002
00022A	00			4793+PSASUP3	DC	XL1'00' -	THIRD BYTE OF PSASUPER 03050002
		00080		4794+PSAIOSUP	EQU	X'80' -	IF ON, A MAINLINE IOS COMPONENT SUCH AS 03100002
				4795+*			CHANNEL SCHEDULER HAS ENTERED A 03110002
				4796+*			PHYSICALLY DISABLED STATE WITHOUT REGARD 03120002
				4797+*			TO LOCKING REQUIREMENTS MDC027 03130002
		00040		4798+PSAPI2	EQU	X'40' -	PROGRAM CHECK FLIH RECURSION 03150003
				4799+*			(MDC301) @ZM08516 03200003
		00020		4800+PSAPSREG	EQU	X'20' -	PSA RECOVERY RECURSION (MDC302) @ZM08516 03220003
		00010		4801+PSASPR	EQU	X'10' -	SUPER FRR IS ACTIVE (MDC305) @ZA02995 03250004
		00008		4802+PSAESTA	EQU	X'08' -	ESTAE RECOVERY ROUTINE ACTIVE 03300004
				4803+*			(MDC312) @Z40FP9A 03310004
		00004		4804+PSARV012	EQU	X'04' , , C'X' -	RESERVED 03350002
		00002		4805+PSAULCMS	EQU	X'02' -	LOCK MANAGER UNCONDITIONAL LOCAL OR 03400051
				4806+*			CMS LOCK ROUTINES (MDC469) @ZA28594 03410051
		00001		4807+PSASLIP	EQU	X'01' -	IEAVTSLP RECURSION CONTROL BIT 03450064
				4808+*			(MDC471) @G64RP9A 03460064
00022B	00			4809+PSASUP4	DC	XL1'00' -	FOURTH BYTE OF PSASUPER 03500002
		00080		4810+PSALDWT	EQU	X'80' -	IF ON, IEEVLDWT IS ACTIVE AND PROCESSING 03550064
				4811+*			STOP/RESTART REQUEST (MDC597) @G64UP9A 03560064
		00040		4812+PSARV016	EQU	X'40' , , C'X' -	RESERVED 03600002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
			00020	4813+PSARV017	EQU	X'20',,,C'X' -	RESERVED 03650002
			00010	4814+PSARV018	EQU	X'10',,,C'X' -	RESERVED 03700002
			00008	4815+PSARV019	EQU	X'08',,,C'X' -	RESERVED 03750002
			00004	4816+PSARV020	EQU	X'04',,,C'X' -	RESERVED 03800002
			00002	4817+PSARV021	EQU	X'02',,,C'X' -	RESERVED 03850002
			00001	4818+PSARV022	EQU	X'01',,,C'X' -	RESERVED 03900002
00022C	000000000000000000			4819+PSAGPREG	DC	3F'0' -	REGISTER SAVE AREA FOR I/O FLIH, SVC 03950002
				4820+*			FLIH, EXTERNAL FLIH AND SYSTEM TRACE 04000002
000238	00000000			4821+PSARSREG	DC	F'0' -	RESTART FLIH REGISTER SAVE 04050002
00023C	00000000			4822+PSAPIREG	DC	F'0' -	PROGRAM CHECK FLIH REGISTER SAVE 04100002
000240				4823+	DS	0D -	ALIGN PSAEXPS1 TO DOUBLE WORD 04110002
000240	000000000000000000			4824+PSAEXPS1	DC	XL8'00' -	EXTERNAL FLIH PSW SAVE AREA 1 04150002
000248				4825+	DS	0D -	ALIGN PSAEXPS2 TO DOUBLE WORD 04160002
000248	000000000000000000			4826+PSAEXPS2	DC	XL8'00' -	EXTERNAL FLIH PSW SAVE AREA 2 04200002
000250				4827+	DS	0D -	ALIGN PSAMPSW TO DOUBLE WORD 04210002
000250	000C00000000000000			4828+PSAMPSW	DC	XL8'000C00000000000000' -	SETLOCK MODEL PSW 04250002
000258				4829+	DS	0D -	ALIGN PSAMCHEX TO DOUBLE WORD 04260002
000258	000000000000000000			4830+PSAMCHEX	DC	XL8'00' -	MCH EXIT PSW 04300002
000260	AD00			4831+PSAIPCR	DC	X'AD00' -	FIRST HALF OF IPC INSTRUCTION TO BE 04350002
				4832+*			EXECUTED 04400002
000262	0264			4833+	DC	Y(PSAIPCRM-PSA) -	SECOND HALF OF IPC INSTRUCTION 04450002
000264	00			4834+PSAIPCRM	DC	XL1'00' -	BYTE USED BY ABOVE IPC INSTRUCTION 04500002
000265	000000			4835+	DC	XL3'00' -	RESERVED 04550002
000268	AD00			4836+PSAIPCD	DC	X'AD00' -	FIRST HALF OF IPC INSTRUCTION TO BE 04600002
				4837+*			EXECUTED 04650002
00026A	026C			4838+	DC	Y(PSAIPCDM-PSA) -	SECOND HALF OF IPC INSTRUCTION 04700002
00026C	00			4839+PSAIPCDM	DC	XL1'00' -	BYTE USED BY ABOVE IPC INSTRUCTION 04750002
00026D	00			4840+PSAIPCC3	DC	XL1'00' -	BYTE USED BY IPC FOR CC3 STNSM @ZM49378 04800064
				4841+*			(MDC598) 04810064
00026E	0000			4842+	DC	XL2'00' -	RESERVED @ZM49378 04820064
000270	00000000			4843+PSAIPCSA	DC	F'0' -	IPC REGISTER SAVE AREA MDC049 04850002
000274	00000000			4844+PSAHLHI	DC	F'0' -	SAVE AREA FOR PSAHLHI MDC050 04900002
000278	00			4845+PSARECUR	DC	XL1'00' -	RESTART FLIH RECURSION INDICATOR. IF 04950002
				4846+*			X'00', FLIH NOT IN CONTROL. IF X'FF', 04960002
				4847+*			FLIH IN CONTROL, ENTRY IS RECURSIVE. 04970002
				4848+*			MDC093 04980002
000279	00			4849+PSADSSGO	DC	XL1'00' -	INITIALIZE DSS FLAG, SET BY OPERATOR. 04990002
				4850+*			IF X'00', DSS NOT TO BE ACTIVATED. IF 04992002
				4851+*			NOT X'00', NEXT RESTART INTERRUPT FROM 04994002
				4852+*			CONSOLE SHOULD INITIALIZE DSS. MDC094 04996002
00027A	00			4853+PSASNSM2	DC	XL1'00' -	STNSM AREA FOR IEAVTRT1 (MDC470) @G64RP9A 04998064
00027B	00			4854+PSARV050	DC	XL1'00' -	RESERVED 04998264
00027C	00000000			4855+PSASRSA	DC	A(0) -	REAL ADDRESS OF SAVE AREA USED DURING 04998402
				4856+*			STOP AND RESTART SUBROUTINE MDC095 04998802
000280				4857+PSACLHT	DS	0CL56 -	CPU LOCKS HELD TABLE. INITIALIZED TO 05000002
				4858+*			ZERO. IF LOCK IS HELD, WORD REPRESENTING 05050002
				4859+*			LOCK HAS ITS ADDRESS. 05100002
000280	00000000			4860+PSADISPL	DC	A(0) -	GLOBAL DISPATCHER LOCK 05150002
000284	00000000			4861+PSAASML	DC	A(0) -	AUXILIARY STORAGE MANAGEMENT (ASM) LOCK 05160002
				4862+*			MDC002 05162002
000288	00000000			4863+PSASALCL	DC	A(0) -	SPACE ALLOCATION LOCK MDC003 05170002
00028C	00000000			4864+PSAIOSSL	DC	A(0) -	IOS SYNCHRONIZATION LOCK MDC010 05180002
000290	00000000			4865+PSAIOSCL	DC	A(0) -	IOS CHANNEL AVAILABLE TABLE LOCK MDC004 05200002
000294	00000000			4866+PSAIOSUL	DC	A(0) -	IOS UNIT CONTROL BLOCK LOCK MDC005 05300002
000298	00000000			4867+PSAIOSLL	DC	A(0) -	IOS LOGICAL CHANNEL QUEUE LOCK MDC006 05400002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
00029C	000000000			4868+PSATPNCL	DC	A(0) -	TCAM'S TPNCP LOCK MDC007 05510002
0002A0	000000000			4869+PSATPDNL	DC	A(0) -	TCAM'S TPDNCB LOCK MDC008 05520002
0002A4	000000000			4870+PSATPACL	DC	A(0) -	TCAM'S TPACBDEB LOCK MDC009 05530002
0002A8	000000000			4871+PSAOPTL	DC	A(0) -	OPTIMIZER LOCK 05650002
0002AC	000000000			4872+PSACMSL	DC	A(0) -	CROSS MEMORY SERVICES LOCK 05700002
0002B0	000000000			4873+PSALOCAL	DC	A(0) -	LOCAL LOCK 05800002
0002B4	000000000			4874+PSARV023	DC	A(0) -	RESERVED LOCK 05810002
0002B8				4875+PSALKSA	DS	0CL64 -	SETLOCK REGISTER SAVE AREA 05850002
0002B8	000000000			4876+PSALKR0	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 0 05860002
0002BC	000000000			4877+PSALKR1	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 1 05870002
0002C0	000000000			4878+PSALKR2	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 2 05880002
0002C4	000000000			4879+PSALKR3	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 3 05890002
0002C8	000000000			4880+PSALKR4	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 4 05892002
0002CC	000000000			4881+PSALKR5	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 5 05894002
0002D0	000000000			4882+PSALKR6	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 6 05896002
0002D4	000000000			4883+PSALKR7	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 7 05898002
0002D8	000000000			4884+PSALKR8	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 8 05898402
0002DC	000000000			4885+PSALKR9	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 9 05898802
0002E0	000000000			4886+PSALKR10	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 10 05899202
0002E4	000000000			4887+PSALKR11	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 11 05899602
0002E8	000000000			4888+PSALKR12	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 12 05899702
0002EC	000000000			4889+PSALKR13	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 13 05899802
0002F0	000000000			4890+PSALKR14	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 14 05899902
0002F4	000000000			4891+PSALKR15	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 15 05916602
0002F8				4892+PSACLHS	DS	0F -	CPU LOCKS HELD STRING MDC122 05926602
0002F8	000000000			4893+PSAHLHI	DC	F'0' -	HIGHEST LOCK HELD INDICATOR MDC121 05933302
0002FC	000000000			4894+PSALITA	DC	V(IEAVELIT) -	ADDRESS OF LOCK INTERFACE TABLE 05950002
000300				4895+	DS	0D -	ALIGN PSAPSWSV TO DOUBLE WORD 05960002
000300	000000000000000000			4896+PSAPSWSV	DC	XL8'00' -	PSW SAVE AREA FOR DISPATCHER AND ACR 06000002
000308	000000000			4897+PSACR0	DC	F'0' -	SAVE AREA FOR CONTROL REGISTER 0 06050002
00030C	00			4898+PSAMCHFL	DC	XL1'00' -	MCH RECURSION FLAGS 06100002
00030D	00			4899+PSASYMSK	DC	XL1'00' -	THIS FIELD WILL BE USED IN CONJUNCTION 06110002
				4900+*			WITH THE STNSM INSTRUCTION TO PLACE IOS 06120002
				4901+*			CHANNEL SCHEDULER INTO A DISABLED STATE 06130002
				4902+*			AND SIMULTANEOUSLY SAVE THE SYSTEM MASK 06140002
				4903+*			OF THE CALLER MDC022 06142002
00030E	00			4904+PSAACTCD	DC	XL1'00' -	ACTION CODE SUPPLIED BY OPERATOR AFTER 06143051
				4905+*			SYSTEM HAS LOADED RESTARTABLE WAIT STATE 06144051
				4906+*			AND BEFORE THE RESTART KEY IS DEPRESSED. 06146051
				4907+*			VALUE DEPENDS ON RESTARTABLE WAIT STATE 06148051
				4908+*			CODE. UNPREDICTABLE DURING NORMAL SYSTEM 06150051
				4909+*			OPERATION. (MDC433) @G51BP9A 06152051
00030F	00			4910+PSAMCHIC	DC	XL1'00' -	MCH INITIALIZATION COMPLETE FLAGS MDC098 06156002
000310	000000000			4911+PSAWKRAP	DC	A(0) -	REAL ADDRESS OF VARY CPU PARAMETER LIST 06160002
				4912+*			MDC106 06170002
000314	000000000			4913+PSAWKVAP	DC	A(0) -	VIRTUAL ADDRESS OF VARY CPU PARAMETER 06180002
				4914+*			LIST MDC107 06190002
000318	0000			4915+PSAVSTAP	DC	H'0' -	WORK AREA FOR VARY CPU MDC108 06190402
00031A	0000			4916+PSACPUSA	DC	H'0' -	PHYSICAL CPU ADDRESS (STATIC) (MDC131) 06190802
				4917+*			YM3489 06191402
00031C	000000000			4918+PSASTOR	DC	F'0' -	MASTER MEMORY'S SEGMENT TABLE ORIGIN 06192002
				4919+*			REGISTER (STOR) VALUE 06194002
000320	000000000			4920+PSADSSRS	DC	F'0' -	REGISTER SAVE FOR DSS PROGRAM AND SVC 06196002
				4921+*			INTERRUPT HANDLERS MDC053 06198002
000324	000000000			4922+PSADSSR2	DC	F'0' -	REGISTER SAVE AREA FOR DSS I/O AND 06198102

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				4923+*	EXTERNAL INTERRUPT HANDLERS	MDC054 06198202
000328	00000000			4924+PSADSSR3 DC	F'0' - REGISTER SAVE AREA FOR DSS ERROR RECOVERY	06198302
				4925+*	ROUTINE	MDC055 06199502
00032C	00000000			4926+PSADSSWK DC	F'0' - WORK AREA FOR DSS INTERRUPT HANDLERS	06201502
				4927+*		MDC056 06201902
000330	0000000000000000			4928+PSADSSTS DC	5F'0' - REGISTER SAVE FOR DSS MODULES MAKING	06202002
				4929+*	CALLS TO IQATSS	MDC023 06203202
000344				4930+PSADSSFL DS	0BL4 - DSS FLAG BYTES	MDC024 06204402
000344	00			4931+PSADSSF1 DC	XL1'00' - DSS STATUS BYTE	MDC029 06205602
		00080		4932+PSADSSMV EQU	X'80' - DSS MONITORING, VS2 RUNNING	MDC030 06206802
		00040		4933+PSADSSDM EQU	X'40' - DSS IN VS2-2 VM	MDC031 06208002
		00020		4934+PSADSSDD EQU	X'20' - DSS IN DSS VM	MDC032 06209202
		00010		4935+PSADSSDW EQU	X'10' - DSS IN DSS WAIT	MDC033 06210402
		00008		4936+PSADSSTP EQU	X'08' - DSS PROCESSING SIGP	MDC034 06211602
		00004		4937+PSADSSSP EQU	X'04' - DSS SIGP PENDING	MDC035 06212802
		00002		4938+PSADSSOI EQU	X'02' - DSS EXECUTING OVERLAID INSTRUCTION	MDC036 06214002
		00001		4939+PSADSSPI EQU	X'01' - DSS EXECUTING PRIVILEGED INSTRUCTION	06215202
				4940+*		MDC037 06216402
000345	FF			4941+PSADSSF2 DC	XL1'FF' - SYSTEM STATUS BYTE (MDC038)	YM6287 06217602
		000FF		4942+PSADSSPS EQU	X'FF' - SYSTEM RUNNING IN PROBLEM STATE	MDC039 06218802
		000FE		4943+PSADSSSS EQU	X'FE' - SYSTEM RUNNING IN PRIVILEGED STATE	MDC040 06220002
000346	00			4944+PSADSSF3 DC	XL1'00' - DSS FLAG BYTE	MDC099 06221202
		00080		4945+PSADSSGP EQU	X'80' - DSS SIGP INDICATOR	MDC100 06222402
		00040		4946+PSADSSSES EQU	X'40' - ERROR SHORT SAVE INDICATOR	MDC113 06224402
		00020		4947+PSADSSNM EQU	X'20' - NON-MONITORABLE CODE INDICATOR	MDC114 06224502
		00010		4948+PSADSSRW EQU	X'10' - DSS OWNS CVTRSTWD	MDC117 06224602
		00008		4949+PSADSSMC EQU	X'08' - MACHINE CHECK RUNNING (MDC132)	YM6287 06224702
		00004		4950+PSARV055 EQU	X'04' , , C'X' - RESERVED FOR DSS	MDC100 06226002
		00002		4951+PSARV056 EQU	X'02' , , C'X' - RESERVED FOR DSS	MDC100 06226402
		00001		4952+PSARV057 EQU	X'01' , , C'X' - RESERVED FOR DSS	MDC100 06226802
000347	00			4953+PSADSSF4 DC	XL1'00' - DSS RECURSION FLAGS	MDC101 06227702
		00080		4954+PSADSSRC EQU	X'80' - PROGRAM-SVC RECURSION FLAG	MDC057 06229002
		00040		4955+PSADSS12 EQU	X'40' - PROGRAM INTERRUPT 12 RECURSION FLAG	06230302
				4956+*		MDC058 06231602
		00020		4957+PSADSSIE EQU	X'20' - I/O-EXTERNAL RECURSION FLAG	MDC059 06232902
		00010		4958+PSADSSC0 EQU	X'10' - CONTROL REGISTER 0 INVALID FLAG	MDC092 06234202
		00008		4959+PSADSSDE EQU	X'08' - DAT ERROR WHILE DSS RUNNING IN VS2 VM	06236402
				4960+*		MDC102 06238402
		00004		4961+PSADSSVE EQU	X'04' - DAT ERROR WHILE DSS RUNNING IN DSS VM	06240402
				4962+*		MDC103 06240502
		00002		4963+PSADSS10 EQU	X'02' - SEGMENT EXCEPTION RECURSION FLAG	MDC104 06240602
		00001		4964+PSADSS05 EQU	X'01' - ADDRESSING EXCEPTION RECURSION FLAG	06240902
				4965+*		MDC105 06241302
000348				4966+	DS 0D - ALIGN PSADSSRP TO DOUBLEWORD	MDC025 06241602
000348	0000000000000000			4967+PSADSSRP DC	XL8'00' - DSS TO VS2-2 RESUME PSW	MDC025 06242002
000350				4968+	DS 0D - ALIGN PSADSSPP TO DOUBLEWORD	MDC026 06243302
000350	0000000000000000			4969+PSADSSPP DC	XL8'00' - DSS PSW FOR RETURNING CONTROL FROM	06244602
				4970+*	PRIVILEGED INSTRUCTION STREAM TO VS2	06245902
				4971+*		MDC026 06246302
000358	00000000			4972+PSADSS14 DC	F'0' - DSS RESTART SECOND LEVEL INTERRUPT	06248302
				4973+*	HANDLER CONTROL REGISTER 14 SAVE AREA	06248702
				4974+*		MDC115 06249102
00035C	00000000			4975+PSADSSFW DC	F'0' - FULL-WORD DSS WORK AREA	MDC116 06249502
000360	00000000			4976+PSADSSPR DC	F'0' - DSS REGISTER SAVE FOR PRIVILEGED	06249802
				4977+*	INSTRUCTION STREAM	MDC028 06251102

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
			00364	4978+PSADSSD	EQU	* -	END OF DSS FIELDS	MDC045	06252402	
000364	00000000			4979+PSARV025	DC	F'0' -	RESERVED FOR DSS		06253702	
000368	00000000			4980+PSARV040	DC	F'0' -	RESERVED FOR DSS		06255002	
00036C	00000000			4981+PSARV041	DC	F'0' -	RESERVED FOR DSS		06256302	
000370	00000000			4982+PSARV042	DC	F'0' -	RESERVED FOR DSS		06257602	
000374	00000000			4983+PSARV043	DC	F'0' -	RESERVED FOR DSS		06258902	
000378	0000			4984+PSARV153	DC	H'0' -	RESERVED (MDC607)		06260200	
00037A	07FE			4985+PSARET	DC	X'07FE' -	BRANCH RETURN TO CALLER, USED BY		06261200	
				4986+*			ROUTINES INVOKED BY IOS		06262200	
				4987+*			(MDC607) @ZA38630		06263200	
00037C	47FFE000			4988+PSARETCD	DC	X'47FFE000' -	BRANCH RETURN TO CALLER WITH RETURN		06264200	
				4989+*			CODE IN REGISTER 15, USED BY ROUTINES		06265200	
				4990+*			INVOKED BY IOS (MDC607) @ZA38630		06266200	
000380				4991+PSARSVT	DS	0CL64 -	RECOVERY STACK VECTOR TABLE	MDC064	06271502	
000380				4992+PSARSVTE	DS	0CL64 -	RECOVERY STACK VECTOR TABLE	MDC065	06273502	
000380	00000000			4993+PSACSTK	DC	A(0) -	ADDRESS OF CURRENTLY USED FUNCTIONAL		06273902	
				4994+*			RECOVERY ROUTINE (FRR) STACK	MDC061	06274302	
000384	00000000			4995+PSANSTK	DC	A(0) -	ADDRESS OF NORMAL FRR STACK	MDC062	06278602	
000388	00000000			4996+PSASSTK	DC	A(0) -	ADDRESS OF SVC-I/O-DISPATCHER FRR STACK		06280602	
				4997+*				MDC063	06282602	
00038C	00000000			4998+PSASSAV	DC	A(0) -	ADDRESS OF INTERRUPTED STACK SAVED BY		06282702	
				4999+*			SVC-I/O-DISPATCHER	MDC066	06282802	
000390	00000000			5000+PSAMSTK	DC	A(0) -	ADDRESS OF MCH FRR STACK	MDC067	06287102	
000394	00000000			5001+PSAMSAV	DC	A(0) -	ADDRESS OF INTERRUPTED STACK SAVED BY		06289102	
				5002+*			MCH	MDC068	06291102	
000398	00000000			5003+PSAPSTK	DC	A(0) -	ADDRESS OF PROGRAM CHECK FLIH FRR STACK		06291202	
				5004+*				MDC069	06291302	
00039C	00000000			5005+PSAPSAV	DC	A(0) -	ADDRESS OF INTERRUPTED STACK SAVED BY		06303002	
				5006+*			PROGRAM CHECK FLIH	MDC070	06313002	
0003A0	00000000			5007+PSAESTK1	DC	A(0) -	ADDRESS OF EXTERNAL FLIH FRR STACK FOR		06313402	
				5008+*			NON-RECURSIVE ENTRIES	MDC071	06313802	
0003A4	00000000			5009+PSAESAV1	DC	A(0) -	ADDRESS OF INTERRUPTED STACK SAVED BY		06314202	
				5010+*			NON-RECURSIVE ENTRIES	MDC072	06314602	
0003A8	00000000			5011+PSAESTK2	DC	A(0) -	ADDRESS OF EXTERNAL FLIH FRR STACK FOR		06314702	
				5012+*			FIRST LEVEL RECURSIONS	MDC073	06314802	
0003AC	00000000			5013+PSAESAV2	DC	A(0) -	ADDRESS OF INTERRUPTED STACK SAVE BY		06318702	
				5014+*			EXTERNAL FLIH FOR FIRST LEVEL RECURSIONS		06320702	
				5015+*				MDC074	06321502	
0003B0	00000000			5016+PSAESTK3	DC	A(0) -	ADDRESS OF EXTERNAL FLIH FRR STACK FOR		06321902	
				5017+*			SECOND LEVEL RECURSIONS AND ACR	MDC075	06322302	
0003B4	00000000			5018+PSAESAV3	DC	A(0) -	ADDRESS OF INTERRUPTED STACK SAVED BY		06322402	
				5019+*			EXTERNAL FLIH (ACR) FOR SECOND LEVEL		06322502	
				5020+*			RECURSIONS	MDC076	06322602	
0003B8	00000000			5021+PSARSTK	DC	A(0) -	ADDRESS OF RESTART FLIH FRR STACK	MDC077	06326502	
0003BC	00000000			5022+PSARSAV	DC	A(0) -	ADDRESS OF INTERRUPTED STACK SAVED BY		06328502	
				5023+*			RESTART FLIH	MDC078	06328902	
0003C0				5024+	DS	0D -	ALIGN PSARPSW TO DOUBLE WORD	MDC096	06329302	
0003C0	000000000000000000			5025+PSASRPSW	DC	XL8'00' -	RESUME PSW FOR STOP AND RESTART		06329702	
				5026+*			SUBROUTINE	MDC096	06330102	
0003C8				5027+	DS	0D -	ALIGN PSARSPSW TO DOUBLE WORD	MDC097	06330202	
0003C8	000000000000000000			5028+PSARSPSW	DC	XL8'00' -	RESUME PSW FIELD FOR RESTART INTERRUPT		06330302	
				5029+*			HANDLER	MDC097	06330402	
0003D0				5030+	DS	0D -	ALIGN PSASTART TO DOUBLE WORD	MDC111	06332402	
0003D0	07FE			5031+PSASTART	BR	14 -	START FATHOM RECORDING	MDC111	06332802	
0003D2	000000000000000000			5032+	DC	XL14'00' -	REST OF PSASTART	MDC111	06333202	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
0003E0				5033+	DS	0D -	ALIGN PSASTOP TO DOUBLE WORD MDC112 06333602
0003E0	07FE			5034+PSASTOP	BR	14 -	STOP FATHOM RECORDING MDC112 06334002
0003E2	0000000000000000			5035+	DC	XL14'00' -	REST OF PSASTOP MDC112 06334102
0003F0				5036+	DS	0F -	ALIGN PSASFACC TO FULL WORD MDC123 06334202
0003F0	8007D000			5037+PSASFACC	DC	XL4'8007D000' -	SETFRR ABEND COMPLETION CODE USED WHEN 06334302
				5038+*			A SETFRR ADD IS ISSUED AGAINST A FULL 06340702
				5039+*			FRR STACK MDC123 06342702
0003F4	581003F0			5040+PSALSFCC	DC	XL4'581003F0' -	A LOAD INSTRUCTION TO PRIME REGISTER 1 06344702
				5041+*			WITH THE SETFRR ABEND COMPLETION CODE IN 06346702
				5042+*			PSASFACC MDC124 06347102
0003F8	0A0D			5043+PSASVC13	SVC	13 -	AN SVC 13 INSTRUCTION MDC125 06347502
0003FA	0000			5044+PSARV059	DC	H'0' -	RESERVED 06347902
0003FC	00000000			5045+PSAPIR2	DC	F'0' -	PROGRAM CHECK FLIH REGISTER SAVE 06348203
				5046+*			(MDC303) @ZM08516 06348603
000400				5047+	DS	0D -	ALIGN PSAPCPSW TO DOUBLE WORD YM0943 06348902
000400	0000000000000000			5048+PSAPCPSW	DC	XL8'00' -	TEMPORARY OLD PSW STORAGE FOR PROGRAM 06349202
				5049+*			FLIH (MDC129) YM0943 06349502
000408	00000000			5050+PSAATCVT	DC	A(0) -	ADDRESS OF VTAM ATCVT. INITIALIZED BY 06349703
				5051+*			VTAM. (MDC300) @Z30AP9A 06350003
00040C	00000000			5052+PSAWTCOD	DC	A(0) -	CALLER-SUPPLIED WAIT STATE INFORMATION 06355004
				5053+*			FOR STOP/RESTART (MDC306) @ZA00904 06357004
000410	00000000			5054+PSACDAL	DC	A(0) -	ADDRESS OF COMMON DISPATCHER ELEMENT FOR 06358004
				5055+*			THIS CPU (MDC307) @Z40FP9A 06359004
000414	0000			5056+PSACSID	DC	H'0' -	CURRENT CHANNEL SET ID (MDC472) @G64AP9A 06360064
000416	0000			5057+PSARV100	DC	H'0' -	RESERVED @G64AP9A 06360364
000418				5058+PSAUSEND	DS	0D -	END OF ASSIGNED FIELDS MDC109 06361003
000418	0000000000000000			5059+	DC	2024XL1'00' -	RESERVED @Z40AQ9A 06367504
000C00				5060+	DS	0D -	ALIGN PSASTAK TO DOUBLE WORD MDC118 06374003
000C00	0000000000000000			5061+PSASTAK	DC	596XL1'00' -	NORMAL FRR STACK (MDC304) @ZM32352 06387003
000E54	0000000000000000			5062+	DC	428XL1'00' -	RESERVED FOR EXPANSION OF PSASTAK 06391003
				5063+*			(MDC304) @ZM32352 06395003
		01000		5064 PSALEN	EQU	*-PSA	Length of PSA

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				5066	CVT DSECT=YES,LIST=YES Communication Vector Table	
				5067+*	%CVTL1 : ;	00451001
				5068+*	/*	00500001
				5069+*	COMMUNICATION VECTOR TABLE	00700001
				5070+*	/*	00800001
				5071+*	OS/VS2 SU64, 04/24/80, LEVEL=6	00802003
				5072+*	/*	01000001
				5073+*	METHOD OF ACCESS	01001001
				5074+*	PL/S - DCL CVTPTR PTR	01002001
				5075+*	BAL - DSECT=YES SHOULD BE SPECIFIED ON MACRO CALL EXCEPT	01003001
				5076+*	WHEN CALLED DURING SYSGEN TO CREATE CSECT. CVT FOR	01004001
				5077+*	OS/VS2 IS MAPPED UNLESS SYS=AOS1 IS SPECIFIED. THE	01005002
				5078+*	PREFIX IS NOT MAPPED UNLESS PREFIX=YES IS SPECIFIED.	01006001
				5079+*	A USING ON CVTMAP OR DSECT NAME WILL ESTABLISH	01007001
				5080+*	ADDRESSABILITY FOR ALL SYMBOLS EXCEPT IN THE 2	01008001
				5081+*	EXTENSIONS. TO ESTABLISH ADDRESSABILITY FOR THE	01009001
				5082+*	OS - OS/VS COMMON EXTENSION, YOU SHOULD CODE	01010002
				5083+*	/*	01011001
				5084+*	L REG,CVTEXT1	01012001
				5085+*	USING CVTXTNT1,REG	01013001
				5086+*	/*	01014001
				5087+*	TO ESTABLISH ADDRESSABILITY FOR THE OS/VS1 - OS/VS2	01015002
				5088+*	COMMON EXTENSION, YOU SHOULD CODE	01016001
				5089+*	/*	01017001
				5090+*	L REG,CVTEXT2	01018001
				5091+*	USING CVTXTNT2,REG	01019001
				5092+*	/*	01020001
				5093+*	WHERE REG IN EITHER CASE IS ANY REGISTER OTHER	01021001
				5094+*	THAN ZERO.	01022001
				5095+*	/*	01023001
				5096+*	WHEN LISTING IS SUPPRESSED, YOU CAN DETERMINE WHICH	01024001
				5097+*	DSECT A SYMBOL IS IN BY USING THE STATEMENT NUMBER	01025001
				5098+*	IN THE DEFN COLUMN IN THE CROSS REFERENCE LISTING.	01026001
				5099+*	FOR EXAMPLE, ANY SYMBOL DEFINED BETWEEN THE	01027001
				5100+*	STATEMENT NUMBERS FOR CVTXTNT1 AND CVTXTNT2 IS IN	01028001
				5101+*	THE OS - OS/VS COMMON EXTENSION.	01029002
				5102+*	/*	01030001
				5103+*	F.E.'S	01031001
				5104+*	MICROFICHE LISTING - CVT	01032001
				5105+*	/*	01033001
				5106+*	DEVELOPERS	01034001
				5107+*	BAL LISTING - SPECIFY LIST=YES ON MACRO CALL	01035001
				5108+*	PL/S LISTING - SPECIFY %IHALIST='YES' BEFORE INCLUDE	01035401
				5109+*	/*	01037001
				5110+*	FOR INTEGRATION, A LISTING MUST NOT BE REQUESTED UNLESS	01038001
				5111+*	YOUR MODULE CREATES THE CSECT.	01039001
				5112+*	/*	01040001
				5113+*	%GOTO CVTL2; /*	01041001
				5114+	PUSH PRINT	03102001
		00010		5115+CVTPTR	EQU 16 - ABSOLUTE ADDRESS OF POINTER TO CVT	03200001
				5116+	/*	03366701
				5117+	BEGINNING OF CVT PROPER	03400001
				5118+	/*	03500001
000000				5119+CVT	DSECT , -	03560001
		00000		5120+CVTMAP	EQU * - CVTPTR CONTENT POINTS HERE	04100001

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				5121+*		04300001
000000	00000000			5122+CVTTCBP DC	V(IEATCBP) - ADDRESS OF A DOUBLE WORD, THE FIRST	04400002
				5123+*	CONTAINING THE NEXT-TO-BE-DISPATCHED TCB	04400402
				5124+*	ADDRESS, THE SECOND CONTAINING THE LAST	04400802
				5125+*	(CURRENT) TCB ADDRESS. BOTH WORDS ARE	04401202
				5126+*	IDENTICAL UNLESS THE TASK GOES INTO A	04401602
				5127+*	WAIT STATE. WHEN IN A WAIT STATE, THE	04401702
				5128+*	FIRST WORD IS SET TO ZERO UNTIL THE	04401802
				5129+*	WAITING IS OVER AND THEN BOTH WORDS ARE	04401902
				5130+*	ONCE AGAIN IDENTICAL. (OS/VS1)	04406402
				5131+*	ADDRESS OF 4-WORD LIST OF ADDRESSES -	04411002
				5132+*	THE NEXT TCB, THE CURRENT TCB, THE NEXT	04415502
				5133+*	ASCB AND THE CURRENT ASCB, IN THAT	04420002
				5134+*	ORDER (OS/VS2) MDC026	04430002
000004	00000000			5135+CVT0EF00 DC	V(IEA0EF00) - ADDRESS OF ROUTINE TO SCHEDULE	04500002
				5136+*	ASYNCHRONOUS EXITS	04600002
000008	00000000			5137+CVTLINK DC	V(IEFLINK) - ADDRESS OF DCB FOR SYS1.LINKLIB DATA SET	04700002
00000C	00000000			5138+ DC	A(0) - ** CVTJOB FIELD UNUSED IN MVS **	04830004
				5139+*	(MDC083) @Z40AQ9A	04836004
000010	00000000			5140+CVTBUF DC	A(0) - ADDRESS OF THE BUFFER OF THE RESIDENT	04900002
				5141+*	CONSOLE INTERRUPT ROUTINE	05000002
000014	00000000			5142+CVTXAPG DC	V(IECXAPG) - ADDRESS OF I/O SUPERVISOR APPENDAGE VECTOR	05100002
				5143+*	TABLE	05150002
000018	00000000			5144+CVT0VL00 DC	V(IEA0VL00) - ADDRESS OF ENTRY POINT OF THE TASK	05200002
				5145+*	SUPERVISOR'S ADDRESS VALIDITY CHECKING	05250002
				5146+*	ROUTINE	05300002
00001C	00000000			5147+CVTPCNVT DC	V(IEPCNVT) - ADDRESS OF ENTRY POINT OF THE ROUTINE	05400002
				5148+*	WHICH CONVERTS A RELATIVE TRACK ADDRESS	05450002
				5149+*	(TTR) TO AN ABSOLUTE TRACK ADDRESS	05500002
				5150+*	(MBBCCHR)	05550002
000020	00000000			5151+CVTPRLTV DC	V(IECPRLTV) - ADDRESS OF ENTRY POINT OF THE ROUTINE	05600002
				5152+*	WHICH CONVERTS AN ABSOLUTE TRACK ADDRESS	05650002
				5153+*	(MBBCCHR) TO A RELATIVE TRACK ADDRESS	05700002
				5154+*	(TTR)	05750002
000024	00000000			5155+CVTILK1 DC	V(IECILK1) - ADDRESS OF THE CHANNEL AND CONTROL UNIT	05800002
				5156+*	PORTION OF THE UCB LOOKUP TABLE	05900002
000028	00000000			5157+CVTILK2 DC	V(IECILK2) - ADDRESS OF THE UCB HALFWORD ADDRESS LIST	06000002
				5158+*	PORTION OF THE UCB LOOKUP TABLE	06100002
00002C	00000000			5159+CVTXTLER DC	V(IECXTLER) - ADDRESS OF ERROR RECOVERY PROCEDURE (ERP)	06200004
				5160+*	LOADER (IECVERPL) ENTRY POINT IECXTLER	06250004
				5161+*	(MDC349) @Z40AQ9A	06300004
000030	00000000			5162+CVTSYSAD DC	A(0) - ADDRESS OF THE SYSTEM RESIDENCE VOLUME	06400002
				5163+*	ENTRY IN THE UCB LOOKUP TABLE	06500002
000034	00000000			5164+CVTBTERM DC	V(IEAVTRT1) - ADDRESS OF ENTRY POINT OF THE ABTERM	06630002
				5165+*	ROUTINE MDC084	06632002
000038	00000000			5166+CVTDATE DC	F'0' - CURRENT DATE IN PACKED DECIMAL	06700002
00003C	00000000			5167+CVTMSLT DC	V(IEEMSER) - ADDRESS OF THE MASTER COMMON AREA IN	07500002
				5168+*	MASTER SCHEDULER RESIDENT DATA AREA.	07550002
				5169+*	NOTE - USE CVTMSER INSTEAD TO ADDRESS	07600002
				5170+*	MASTER SCHEDULER RESIDENT DATA AREA	07650002
000040	00000000			5171+CVTZDTAB DC	V(IECZDTAB) - ADDRESS OF I/O DEVICE CHARACTERISTIC TABLE	08000002
000044	00000000			5172+CVTXITP DC	V(IECXITP) - ADDRESS OF ERROR INTERPRETER ROUTINE	08100002
000048	00000000			5173+ DC	A(0) - ** CVTDAR FIELD UNUSED IN MVS **	08398004
				5174+*	(MDC029) @Z40AQ9A	08398204
00004C	00000000			5175+CVT0FN00 DC	A(0) - RESERVED (OS/VS2)	09400002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
000050	0A03			5176+CVTEXIT	SVC	3 -	EXIT TO DISPATCHER 09700001
000052	07FE			5177+CVTBRET	BR	14 -	RETURN TO CALLER (USED BY DATA MANAGEMENT 09800002
				5178+*			ROUTINES) 09850002
000054	00000000			5179+CVTSVDCB	DC	V(IEASVDCB) -	ADDRESS OF THE DCB FOR THE SYS1.SVCLIB 09900002
				5180+*			DATA SET 09950002
000058	00000000			5181+CVTTPC	DC	V(IEATPC) -	ADDRESS OF THE TIMER SUPERVISOR WORK AREA 10700002
00005C				5182+CVTNIPSV	DS	H -	RESERVED MVS @ZA51978 11810003
00005E	0000			5183+CVTICPID	DC	H'0' -	IPL'ED CPU PHYSICAL ID @ZA51978 11840003
000060	00000000			5184+CVTSJQ	DC	A(0) -	RESERVED (OS/VS2) 11900002
000064	00000000			5185+CVTCUCB	DC	V(IEECUCB) -	ADDRESS OF THE TABLE THAT CONTAINS THE 12200002
				5186+*			CURRENT CONSOLE UCB ADDRESSES 12250002
000068	00000000			5187+CVTQTE00	DC	V(IEAQTE00) -	ADDRESS OF THE TIMER ENQUEUE ROUTINE FOR 13100002
				5188+*			INTERVAL TIMER 13200002
00006C	00000000			5189+CVTQTD00	DC	V(IEAQTD00) -	ADDRESS OF THE TIMER DEQUEUE ROUTINE FOR 13300002
				5190+*			INTERVAL TIMER 13400002
000070	00000000			5191+CVTSTB	DC	V(IECSTB) -	ADDRESS OF THE I/O DEVICE STATISTICS TABLE 13700002
000074	13			5192+CVTDCB	DC	XL1'13' -	OPERATING SYSTEM MDC132 16800002
		00080		5193+CVTRSV08	EQU	X'80',,C'X' -	RESERVED 16810001
		00040		5194+CVT1SSS	EQU	X'40' -	OPTION 1 (PCP) SSS 16900001
		00020		5195+CVT2SPS	EQU	X'20' -	OPTION 2 (MFT) SPS, OS/VS1 17000002
		00010		5196+CVT4MS1	EQU	X'10' -	OPTION 4 (MVT) MS1, OS/VS2 17100002
		00008		5197+CVTRSV09	EQU	X'08',,C'X' -	RESERVED 17110001
		00004		5198+CVT4MPS	EQU	X'04' -	MODEL 65 MULTIPROCESSING 17200001
		00002		5199+CVT6DAT	EQU	X'02' -	DYNAMIC ADDRESS TRANSLATION BY CPU 17250001
				5200+*			(OS/VS1, OS/VS2) 17260002
		00001		5201+CVTMVS2	EQU	X'01' -	MULTIPLE MEMORY OPTION OF OS/VS2 IS 17262002
				5202+*			PRESENT MDC131 17264002
		00012		5203+CVT8AOS2	EQU	CVT4MS1+CVT6DAT -	OS/VS2 SYSTEM 17270002
000075	000000			5204+CVTDCBA	DC	VL3(IFBDCB) -	ADDRESS OF THE DCB FOR THE SYS1.LOGREC 17300002
				5205+*			(OUTBOARD RECORDER) DATA SET FOR SYSTEM 17310002
				5206+*			ENVIRONMENT RECORDING (SER) 17320002
000078	00000000			5207+CVTSV76M	DC	F'0' -	SVC 76 MESSAGE COUNT FIELD (OS/VS2) 17330041
				5208+*			(MDC372) @ZA18857 17350041
00007C	00000000			5209+CVTIXAVL	DC	V(IECIXAVL) -	ADDRESS OF THE I/O SUPERVISOR'S FREELIST 17700002
				5210+*			POINTER WHICH CONTAINS THE ADDRESS OF THE 17750002
				5211+*			NEXT REQUEST ELEMENT (OS/VS1) 17760002
				5212+*			ADDRESS OF THE I/O SUPERVISOR'S 17770002
				5213+*			COMMUNICATION AREA (IOCOM) (OS/VS2) 17780002
000080	00000000			5214+CVTNUCB	DC	A(0) -	LOWEST ADDRESS NOT IN THE NUCLEUS (ON PAGE 17800002
				5215+*			BOUNDARY FOR OS/VS1) (ON SEGMENT BOUNDARY 17850003
				5216+*			FOR OS/VS2) (MDC318) @Z30AQ9A 17860003
000084	00000000			5217+CVTFBOSV	DC	A(0) -	ADDRESS OF PROGRAM FETCH ROUTINE 17930002
				5218+*			(MDC222) YM4043 17940002
000088	00000000			5219+CVT0DS	DC	V(IEA0DS) -	ADDRESS OF ENTRY POINT OF THE DISPATCHER 18000002
00008C	00000000			5220+CVTILCH	DC	V(IECILCH) -	ADDRESS OF THE LOGICAL CHANNEL WORD TABLE 18100002
000090	00000000			5221+CVTRV516	DC	A(0) -	** CVTIERLC FIELD UNUSED IN MVS ** 18600004
				5222+*			(MDC218) YM4043 18650004
000094	00000000			5223+CVTMSER	DC	V(IEEMSER) -	ADDRESS OF DATA AREA OF MASTER SCHEDULER 19000002
				5224+*			RESIDENT DATA AREA 19050002
000098	00000000			5225+CVT0PT01	DC	V(IEA0PT01) -	ADDRESS OF BRANCH ENTRY POINT OF POST 19400002
				5226+*			ROUTINE 19450002
00009C				5227+CVTRSV11	DS	A -	** CVTTRMTB FIELD UNUSED IN OS/VS ** 19500002
0000A0	00000000			5228+CVTSV76C	DC	XL4'00' -	SVC 76 MESSAGE CONTROL FIELD. HIGH-ORDER 19761041
				5229+*			BIT IS DEFINED, AND ALL OTHER BITS ARE 19762041
				5230+*			ZERO. (OS/VS2) (MDC373) @ZA18857 19762641

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
			00080	5231+CVTSV76Q	EQU	X'80' -	SVC 76 ENQUEUE SWITCH. THIS IS THE 19764041
				5232+*			HIGH-ORDER BIT OF CVTSV76C. (OS/VS2) 19765041
				5233+*			(MDC374) @ZA18857 19766041
0000A4	00FFFFFF			5234+CVTMZ00	DC	X'00FFFFFF' -	HIGHEST ADDRESS IN VIRTUAL STORAGE FOR 19770002
				5235+*			THIS MACHINE 19772002
0000A8	00000000			5236+CVT1EF00	DC	A(0) -	ADDRESS OF ROUTINE WHICH CREATES IRB'S 19800001
				5237+*			FOR EXITS 19850001
0000AC	00000000			5238+CVTQ0CR	DC	A(0) -	GRAPHICS INTERFACE TASK (GFX) FIELD. 22300002
				5239+*			ADDRESS OF SEVENTH WORD OF GFX PARAMETER 22350002
				5240+*			LIST, IF GFX IS ACTIVE. ZERO IF GFX IS 22400002
				5241+*			NOT ACTIVE 22450002
0000B0	00000000			5242+CVTQMWR	DC	V(IEFQMWR) -	ADDRESS OF QUEUE MANAGER'S SYSTEM OUTPUT 22700002
				5243+*			COMMUNICATIONS-DATA-AREA (CDA), WHICH IS 22750002
				5244+*			STORED ON AN EXTERNAL DEVICE 22800002
0000B4	0000			5245+CVTSNCTR	DC	H'0' -	SERIAL NUMBER COUNTER FOR ASSIGNING SERIAL 22900002
				5246+*			NUMBERS TO NON-SPECIFIC, UNLABELED 22950002
				5247+*			MAGNETIC TAPE VOLUMES 22960002
0000B6	00			5248+CVTOPTA	DC	AL1(00) -	OPTION INDICATORS 23000002
		00080		5249+CVTCCH	EQU	X'80' -	CHANNEL CHECK HANDLER (CCH) OPTION PRESENT 23050002
				5250+*			- RECOVERY MANAGEMENT SUPPORT (RMS) XM4686 23100002
		00040		5251+CVTAPR	EQU	X'40' -	ALTERNATE PATH RETRY (APR) OPTION PRESENT 23200002
				5252+*			- RECOVERY MANAGEMENT SUPPORT (RMS) 23250002
		00020		5253+CVTDDR	EQU	X'20' -	DYNAMIC DEVICE RECONFIGURATION (DDR) 23350002
				5254+*			OPTION PRESENT - RECOVERY MANAGEMENT 23400002
				5255+*			SUPPORT (RMS) (OS/VS1) 23450002
				5256+*			DDR SYSTEM-INITIATED SWAP ACTIVE (OS/VS2) 23500002
				5257+*			MDC126 23550002
		00010		5258+CVTNIP	EQU	X'10' -	NIP IS EXECUTING 23600002
		00008		5259+CVTRSV12	EQU	X'08' , , C'X' -	RESERVED 23610001
		00004		5260+CVT121TR	EQU	X'04' , , C'X' -	DO NOT TRANSLATE EXCP V=R @ZA45816 23620003
		00002		5261+CVTASCII	EQU	X'02' -	ASCII TAPE PROCESSING IS GENERATED IN 23650002
				5262+*			THIS SYSTEM 23660002
		00001		5263+CVTXPPF	EQU	X'01' -	CPU HAS EXTENDED PRECISION FLOATING POINT 23700001
				5264+*			FEATURE 23750002
0000B7	00			5265+CVTOPTB	DC	AL1(00) -	MISCELLANEOUS FLAGS 24100001
		00080		5266+CVTPROT	EQU	X'80' -	CPU HAS STORE PROTECTION FEATURE (OS/VS1) 24200002
		00040		5267+CVTCTIMS	EQU	X'40' -	IF ON, HARDWARE HAS THE CLOCK COMPARATOR 24200102
				5268+*			AND CPU TIMER FEATURE INSTALLED, AND 24200202
				5269+*			OS/VS1 SYSGEN HAS SPECIFIED THIS FEATURE 24200302
				5270+*			(OS/VS1) MDC127 24200402
		00020		5271+CVTTOD	EQU	X'20' -	CPU HAS TIME-OF-DAY CLOCK FEATURE 24300002
		00010		5272+CVTNLOG	EQU	X'10' -	SYS1.LOGREC IS UNAVAILABLE FOR ERROR 24310002
				5273+*			RECORDING. ALWAYS SET TO ZERO FOR 24320002
				5274+*			OS/VS1. MDC127 24322002
		00008		5275+CVTAPTHR	EQU	X'08' -	NIP SETS THIS BIT TO 1 WHEN DEVICE TESTING 24330002
				5276+*			IS COMPLETE. IF 1, I/O SUPERVISOR USES 24332002
				5277+*			AN ALTERNATE PATH TO A DEVICE WHEN A 24334002
				5278+*			CONDITION CODE OF 3 EXISTS. THIS BIT IS 24336002
				5279+*			RESET TO 0 BY NIP AFTER THE LINK PACK 24338002
				5280+*			AREA IS INITIALIZED. YM2670 24338402
		00004		5281+CVTFP	EQU	X'04' -	CPU HAS FETCH PROTECTION FEATURE (OS/VS1) 24340002
				5282+*			ICB427 24340402
		00002		5283+CVTVS1A	EQU	X'02' -	VS1 ASSIST IS AVAILABLE FOR USE (OS/VS1) 24342006
				5284+*			(MDC353) @X60CA9A 24342606
		00001		5285+CVTVS1B	EQU	X'01' -	VS1 ASSIST SUBSET IS AVAILABLE FOR USE 24343306

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
				5286+*		(OS/VS1) (MDC365) @X60KU9A	24344006
0000B8	00000000			5287+CVTQCDSR	DC	V(IEAQCDJR) - CDE SEARCH ROUTINE ADDRESS (OS/VS2)	26800002
0000BC	00000000			5288+CVTQLPAQ	DC	V(IEAQLPAQ) - ADDRESS OF POINTER TO MOST RECENT ENTRY	26900001
				5289+*		ON LINK PACK AREA CDE QUEUE (OS/VS2)	26950002
0000C0	00000000			5290+CVTRSV18	DC	A(0) - ** CVTMPCVT FIELD UNUSED IN OS/VS **	27450002
0000C4	00000000			5291+CVTSMCA	DC	A(0) - ADDRESS OF THE SYSTEM MANAGEMENT CONTROL	28900002
				5292+*		AREA (SMCA) IF THE SYSTEM MANAGEMENT	28950002
				5293+*		FACILITIES (SMF) OPTION IS PRESENT IN THE	28960002
				5294+*		SYSTEM. OTHERWISE, ZERO.	28970002
0000C8	00000000			5295+CVTABEND	DC	V(IEABEND) - ADDRESS OF SECONDARY CVT FOR ABEND IN EOT	29400002
				5296+*		(OS/VS2)	29500002
0000CC	00000000			5297+CVTUSER	DC	A(0) - A WORD AVAILABLE TO THE USER	30100002
0000D0	00000000			5298+CVTMDLDS	DC	A(0) - RESERVED FOR MODEL-DEPENDENT SUPPORT	30700001
0000D4	0A0D			5299+CVTQABST	SVC	13 - AN ABEND INVOCATION (OS/VS2)	30800002
0000D6	0A06			5300+CVTLNKSC	SVC	6 - A LINK INVOCATION ICB369	30900002
0000D8	00000000			5301+CVTTSCE	DC	A(0) - ADDRESS OF THE FIRST TIME SLICE CONTROL	31700002
				5302+*		ELEMENT (TSCE)	31750002
0000DC	00000000			5303+CVTPATCH	DC	V(IEAPATCH) - ADDRESS OF A 200-BYTE FE PATCH AREA	32300002
0000E0	00000000			5304+CVTRMS	DC	V(IGFRVT) - RECOVERY MANAGEMENT SUPPORT (RMS)	33050002
				5305+*		COMMUNICATIONS VECTOR. ADDRESS OF A	33052002
				5306+*		MACHINE STATUS BLOCK.	33054002
0000E4	00000000			5307+CVTRV515	DC	A(0) - ** CVTTSCVT FIELD UNUSED IN MVS **	33100004
				5308+*		(MDC037) @Z40AQ9A	33150004
0000E8	00000000			5309+CVT0SCR1	DC	A(0) - ADDRESS OF THE SECTOR CALCULATION ROUTINE	33570002
				5310+*		FOR ROTATIONAL POSITION SENSING (RPS)	33572002
0000EC				5311+CVTGTF	DS	0A - GENERALIZED TRACE FACILITY (GTF) CONTROL	33630002
				5312+*		WORD ICB312	33650002
0000EC	00			5313+CVTGTFST	DC	AL1(0) - GTF FLAG BYTES ICB312	33680001
		00080		5314+CVTGTFST	EQU	X'80' - IF ZERO, GTF NOT ACTIVE. IF ONE, GTF	33709002
				5315+*		ACTIVE. (OS/VS2) MDC098	33710802
		00040		5316+CVTRV315	EQU	X'40',,C'X' - RESERVED (OS/VS2)	33712602
		00020		5317+CVTRV316	EQU	X'20',,C'X' - RESERVED (OS/VS2)	33714402
		00010		5318+CVTRV317	EQU	X'10',,C'X' - RESERVED (OS/VS2)	33716202
		00008		5319+CVTRV318	EQU	X'08',,C'X' - RESERVED (OS/VS2)	33718002
		00004		5320+CVTUSR	EQU	X'04' - TRACE=USR SPECIFIED. USER-REQUESTED TRACE	33722103
				5321+*		DATA IS TO BE INCLUDED IN THE TRACE DATA	33722603
				5322+*		SET. (MDC317) @Z30AP9A	33723103
		00002		5323+CVTRNIO	EQU	X'02' - GTF IS ACTIVE AND TRACING RNIO EVENTS	33723602
				5324+*		MDC187	33724002
		00001		5325+CVTRSV27	EQU	X'01',,C'X' - RESERVED	33725202
0000ED	000000			5326+CVTGTF	DC	VL3(AHLHEAD) - ADDRESS OF MAIN MONITOR CALL ROUTING	33736002
				5327+*		TABLE, MCHEAD (OS/VS2) MDC156	33737802
0000F0				5328+CVTAQAVT	DS	0A - ADDRESS OF THE FIRST WORD OF THE TCAM	33741402
				5329+*		DISPATCHER WHICH CONTAINS THE ADDRESS OF	33751402
				5330+*		THE ADDRESS VECTOR TABLE (AVT). IF ZERO,	33761402
				5331+*		TCAM IS NOT STARTED.	33763402
0000F0	00			5332+CVTTCMFG	DC	X'00' - TCAM FLAGS	33766701
		00080		5333+CVTTCRDY	EQU	X'80' - TCAM IS READY TO ACCEPT USERS	33800002
		00040		5334+CVTLDEV	EQU	X'40' - LOCAL DEVICE ATTACHED TO TCAM	33805040
				5335+*		(MDC357) @Z40XA9A	33810040
		00020		5336+CVTRSV29	EQU	X'20',,C'X' - RESERVED	33820001
		00010		5337+CVTRSV30	EQU	X'10',,C'X' - RESERVED	33830001
		00008		5338+CVTRSV31	EQU	X'08',,C'X' - RESERVED	33840001
		00004		5339+CVTRSV32	EQU	X'04',,C'X' - RESERVED	33842001
		00002		5340+CVTRSV33	EQU	X'02',,C'X' - RESERVED	33844001

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
			00001	5341+CVTRSV34	EQU	X'01',,C'X' - RESERVED	33846001
0000F1	000000			5342+CVTAQAVB	DC	AL3(0) - SAME AS CVTAQAVT ABOVE	33850002
0000F4				5343+CVTVOLM2	DS	0A - ADDRESS OF TABLE FOR POWER WARNING FEATURE	35686003
				5344+*		(PWF) (OS/VS2) (MDC308) @Z30AQ9A	35689003
0000F4	80			5345+CVTVOLF2	DC	X'80' - PWF FLAG BYTE. THIS BYTE IS OVERLAID BY	35692803
				5346+*		CVTVOLM2 AFTER PWF INITIALIZATION.	35693603
				5347+*		(OS/VS2) (MDC309) @Z30AQ9A	35694403
			00080	5348+CVTVOLI2	EQU	X'80' - PWF INITIALIZATION HAS NOT OCCURRED	35695203
				5349+*		(OS/VS2) (MDC310) @Z30AQ9A	35696103
0000F5	000000			5350+CVTVOLT2	DC	AL3(0) - PWF RECHECK TIME DELAY. THIS VALUE IS	35697003
				5351+*		OVERLAID BY CVTVOLM2 AFTER PWF	35697903
				5352+*		INITIALIZATION. (OS/VS2) (MDC311) @Z30AQ9A	35698803
0000F8	00000000			5353+	DC	A(0) - RESERVED (OS/VS2)	35700002
0000FC	00000000			5354+CVTEXT1	DC	A(CVTXTNT1) - ADDRESS OF OS - OS/VS COMMON EXTENSION	35710002
				5355+*		ICB421	35712002
000100	00000000			5356+CVTCBSP	DC	A(0) - ADDRESS OF ACCESS METHOD CONTROL BLOCK	35760002
				5357+*		STRUCTURE MDC195	35790002
000104				5358+CVTPURG	DS	0A - ADDRESS OF SUBSYSTEM PURGE ROUTINE	ICB330 35800002
000104				5359+CVTRSV35	DS	XL1 - RESERVED	ICB330 35802001
000105	000000			5360+CVTPURGA	DC	AL3(0) - ADDRESS OF SUBSYSTEM PURGE ROUTINE	ICB330 35804001
000108	00000000			5361+CVTAMFF	DC	XL4'00' - RESERVED FOR ACCESS METHOD FLAGS	ICB436 35810001
00010C				5362+CVTQMSG	DS	0A - ADDRESS OF INFORMATION TO BE PRINTED	35820002
				5363+*		BY ABEND ICB307	35822001
00010C				5364+CVTRSV36	DS	XL1 - RESERVED	ICB307 35824001
00010D	000000			5365+CVTQMSG	DC	VL3(IEAQMSG) ADDRESS OF INFORMATION TO BE PRINTED	35826001
				5366+*		BY ABEND ICB449	35828001
000110				5367+CVTDMSR	DS	0A - SAME AS CVTDMSRA BELOW	ICB346 35830001
000110	00			5368+CVTDMSRF	DC	XL1'00' - OPEN/CLOSE/EOV FLAG BYTE. SETTING BOTH	35845204
				5369+*		BIT 0 AND BIT 1 ON WILL CAUSE BOTH KINDS	35845604
				5370+*		OF DUMPS TO BE TAKEN. THESE BITS ARE USED	35846004
				5371+*		DURING TESTING AND DEBUGGING WHEN OTHER	35846404
				5372+*		DEBUG METHODS ARE INEFFECTIVE. (OS/VS2)	35846804
				5373+*		(MDC350) @Z40AQ9A	35847204
			00080	5374+CVTSDUMP	EQU	X'80' - SET BY COREZAP. WILL CAUSE AN SDUMP TO BE	35847604
				5375+*		TAKEN AND IEC999I MESSAGE ISSUED FOR EVERY	35848004
				5376+*		ABEND ISSUED WITHIN AN OPEN/CLOSE/EOV OR	35848404
				5377+*		DADSM FUNCTION. (OS/VS2) (MDC351) @Z40AQ9A	35848804
			00040	5378+CVTUDUMP	EQU	X'40' - SET BY COREZAP. WILL CAUSE AN ABEND DUMP	35849204
				5379+*		TO BE TAKEN FOR EVERY ABEND ISSUED WITHIN	35849604
				5380+*		AN OPEN/CLOSE/EOV OR DADSM FUNCTION.	35850004
				5381+*		(OS/VS2) (MDC352) @Z40AQ9A	35850404
			00020	5382+CVTRV629	EQU	X'20',,C'X' - RESERVED (OS/VS2) @Z40AQ9A	35850804
			00010	5383+CVTRV630	EQU	X'10',,C'X' - RESERVED (OS/VS2) @Z40AQ9A	35851204
			00008	5384+CVTRV631	EQU	X'08',,C'X' - RESERVED (OS/VS2) @Z40AQ9A	35851604
			00004	5385+CVTRV632	EQU	X'04',,C'X' - RESERVED (OS/VS2) @Z40AQ9A	35852004
			00002	5386+CVTRV633	EQU	X'02',,C'X' - RESERVED (OS/VS2) @Z40AQ9A	35852404
			00001	5387+CVTRV634	EQU	X'01',,C'X' - RESERVED (OS/VS2) @Z40AQ9A	35852804
000111	000000			5388+CVTDMSRA	DC	AL3(0) - ADDRESS OF THE OPEN/CLOSE/EOV SUPERVISORY	35853804
				5389+*		ROUTINE IN THE NUCLEUS. THIS ROUTINE	35854204
				5390+*		HANDLES THE ROUTING OF CONTROL AMONG THE	35854602
				5391+*		I/O SUPPORT ROUTINES. ICB346	35856602
000114				5392+CVTRSV38	DS	F - RESERVED	35873002
000118				5393+CVTRSV39	DS	F - RESERVED	35882002
				5394+*			35891002
				5395+*		OS/VS1 - OS/VS2 COMMON SECTION	35900002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
				5396+*			35950001
00011C	00000000			5397+CVTREAL	DC	A(0) - ADDRESS OF THE VIRTUAL STORAGE BYTE	35960001
				5398+*		FOLLOWING THE HIGHEST VIRTUAL=REAL	35970001
				5399+*		STORAGE ADDRESS	ICB368 35972001
000120	00000000			5400+CVTPTRV	DC	V(IEAPTRV) - ADDRESS OF PAGING SUPERVISOR GENERAL	35980001
				5401+*		ROUTINE TO TRANSLATE REAL ADDRESSES TO	35990001
				5402+*		VIRTUAL ADDRESSES	35992002
000124	00000000			5403+	DC	A(0) - RESERVED (WAS CVTMODE) (OS/VS2)	36003202
				5404+*		(MDC217)	YM4244 36003602
000128	00000000			5405+CVTJESCT	DC	V(IEFJESCT) - ADDRESS OF JOB ENTRY SUBSYSTEM (JES)	36004102
				5406+*		CONTROL TABLE	ICB342 36005202
00012C				5407+	DS	A - RESERVED (WAS CVTJEPS) (OS/VS2)	YM2702 36005402
000130	00000000			5408+CVTTZ	DC	F'0' - DIFFERENCE BETWEEN LOCAL TIME AND	36008002
				5409+*		GREENWICH MEAN TIME IN BINARY UNITS OF	36009302
				5410+*		1.048576 SECONDS	36010602
000134				5411+CVTMCHPR	DS	A - ADDRESS OF MACHINE CHECK PARAMETER LIST	36011902
000138	00000000			5412+CVTEORM	DC	A(0) - POTENTIAL REAL HIGH STORAGE	YM3613 36021602
				5413+*		ADDRESS (OS/VS2)	YM3613 36021902
00013C	00000000			5414+CVTRV517	DC	A(0) - ** CVTERPV FIELD UNUSED IN MVS **	36022204
				5415+*		(MDC219)	YM4043 36022604
000140	00000000			5416+CVTRV518	DC	A(0) - ** CVTINTLA FIELD UNUSED IN MVS **	36023004
				5417+*		(MDC220)	YM4043 36023404
000144				5418+CVTAPF	DS	0A - SAME AS CVTAPFA BELOW	ICB360 36041802
000144				5419+CVTRSV40	DS	X - RESERVED	ICB360 36043102
000145	000000			5420+CVTAPFA	DC	VL3(IEAVTEST) ADDRESS OF BRANCH ENTRY POINT IN	36044402
				5421+*		AUTHORIZED PROGRAM FACILITY (APF) ROUTINE	36045702
000148				5422+CVTEXT2	DS	0A - ADDRESS OF OS/VS1 - OS/VS2 COMMON	36047002
				5423+*		EXTENSION	ICB330 36047602
000148				5424+CVTRSV41	DS	XL1 - RESERVED	ICB330 36048302
000149	000000			5425+CVTEXT2A	DC	AL3(CVTXTNT2) SAME AS CVTEXT2 ABOVE	ICB330 36049602
00014C				5426+CVTHJES	DS	0A - SAME AS CVTHJESA BELOW	ICB454 36050902
00014C				5427+CVTRSV42	DS	X - RESERVED	ICB454 36052202
00014D	000000			5428+CVTHJESA	DC	AL3(0) - ADDRESS OF OPTIONAL JOB ENTRY SUBSYSTEM	36053502
				5429+*		(JES) COMMUNICATION VECTOR TABLE	ICB454 36054102
000150				5430+CVTRSV43	DS	H - RESERVED	36054802
000152				5431+CVTRSV44	DS	H - RESERVED	36056102
000154				5432+CVTRSV45	DS	F - RESERVED	36057402
000158				5433+CVTRSV46	DS	F - RESERVED	36058702
				5434+*			36133602
				5435+*		OS/VS2 OVERLAY	36133902
				5436+*			36134302
00015C	00000000			5437+CVTGETL	DC	A(0) - ADDRESS OF IKJGETL, TSO GET LINE ROUTINE	36134602
				5438+*		(MDC206)	YM2225 36135002
000160	00000000			5439+CVTLPDSR	DC	V(IEAVVMSR) - ADDRESS OF LINK PACK AREA (LPA) DIRECTORY	36135702
				5440+*		SEARCH ROUTINE	36136402
000164	00000000			5441+CVTPVTP	DC	V(CSECPVT) - ADDRESS OF PAGE VECTOR TABLE	36137102
000168				5442+CVTLPDIA	DS	0A - ADDRESS OF LINK PACK AREA (LPA) DIRECTORY	36137802
				5443+*		(ON PAGE BOUNDARY)	36138102
000168				5444+CVTDIRST	DS	B - FLAG BYTE	36138502
		00080		5445+CVTDICOM	EQU	X'80' - LPA DIRECTORY HAS BEEN INITIALIZED BY NIP	36139202
		00040		5446+CVTRSV63	EQU	X'40',,C'X' - RESERVED	36139902
		00020		5447+CVTRSV64	EQU	X'20',,C'X' - RESERVED	36140602
		00010		5448+CVTRSV65	EQU	X'10',,C'X' - RESERVED	36141302
		00008		5449+CVTRSV66	EQU	X'08',,C'X' - RESERVED	36141702
		00004		5450+CVTRSV67	EQU	X'04',,C'X' - RESERVED	36142102

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
			00002	5451+CVTRSV68	EQU	X'02',,,C'X' - RESERVED	36143202
			00001	5452+CVTRSV69	EQU	X'01',,,C'X' - RESERVED	36143302
000169				5453+CVTLPPDIR	DS	AL3 - ADDRESS OF LINK PACK AREA (LPA) DIRECTORY	36144002
				5454+*		(ON PAGE BOUNDARY)	36144702
00016C	00000000			5455+CVTPSAD0	DC	V(IGFPSAD0) - PSA PROTECT DISABLE (MDC393) @ZA36872	36145364
000170	00000000			5456+CVTPSAE0	DC	V(IGFPSAE0) - PSA PROTECT ENABLE (MDC394) @ZA36872	36146264
000174				5457+CVTSLIDA	DS	0CL4 - IDENTITY OF TCB CAUSING SUPERVISOR LOCK	36148002
				5458+*		BYTE (CVTSYLK) TO BE SET OR IDENTITY OF	36148302
				5459+*		TCB THAT SECOND EXIT PROCESSING IS FOR	36148702
				5460+*		WHEN CVTSEIC=1	36149402
000174				5461+CVTSYLK	DS	C - SUPERVISOR LOCK. ONLY ENABLED TASKS MAY	36150102
				5462+*		BE DISPATCHED	36150802
		000FF		5463+CVTSYLKS	EQU	X'FF' - SET LOCK BYTE	36151502
		00000		5464+CVTSYLKR	EQU	X'00' - RESET LOCK BYTE	36152202
000175				5465+CVTSLID	DS	CL3 - SAME AS CVTSLIDA ABOVE	36152502
000178	00000000			5466+CVTRV322	DC	A(0) - RESERVED FOR FUTURE USE (MDC343) @Z40AQ9A	36152904
00017C	00000000			5467+CVTRV328	DC	A(0) - ** CVTSEG AND CVTSEGA FIELDS UNUSED IN	36154302
				5468+*		MVS ** (MDC139) @Z40AQ9A	36155004
000180	00000000			5469+CVTVLDWT	DC	V(IEEVLDWT) - ADDRESS OF STOP/RESTART INTERFACE ROUTINE	36155464
				5470+*		(MDC392) @G64UP9A	36155864
000184	01312D00			5471+CVTEXSLF	DC	F'20000000' - EXCESSIVE SPIN LENGTH FACTOR	36156764
				5472+*		(MDC385) @G64UP9A	36157164
000188	00000000			5473+CVTEXSNR	DC	V(IEEVEXSN) - ADDRESS OF EXCESSIVE SPIN NOTIFICATION	36157564
				5474+*		ROUTINE (MDC386) @G64UP9A	36157964
00018C	00			5475+CVTEXSNL	DC	XL1'00' - SERIALIZATION BYTE FOR EXCESSIVE SPIN	36158364
				5476+*		NOTIFICATION ROUTINE (MDC387) @G64UP9A	36158764
00018D				5477+CVTSPVLK	DS	FL1 - NUMBER OF TASKS WHICH HAVE TERMINATED	36159902
				5478+*		WHILE OWNING SUPERVISOR LOCK WITHOUT	36160202
				5479+*		OPERATOR HAVING YET BEEN NOTIFIED	36160602
00018E	00			5480+CVTCTLFG	DC	AL1(00) SYSTEM CONTROL FLAGS	36161302
		00080		5481+CVTRV323	EQU	X'80',,,C'X' - ** CVTPSIC BIT UNUSED IN MVS **	36162004
				5482+*		(MDC118) @Z40AQ9A	36162404
		00040		5483+CVTRV333	EQU	X'40',,,C'X' - ** CVTAPGB BIT UNUSED IN MVS **	36162804
				5484+*		(MDC151) @Z40AQ9A	36163204
		00020		5485+CVTRSV78	EQU	X'20',,,C'X' - RESERVED	36164402
		00010		5486+CVTDSTAT	EQU	X'10' - DEVSTAT OPTION IN EFFECT. DEVICE ADDRESS	36164802
				5487+*		FOR 2319, 3330, 2314, 3330-1, 3340 CAN	36165502
				5488+*		VARY ACROSS SYSTEMS MDC189	36166202
		00008		5489+CVTRSV79	EQU	X'08',,,C'X' - RESERVED	36166902
		00004		5490+CVTNOMP	EQU	X'04' - MULTIPROCESSING CODE IS NOT IN THE SYSTEM	36167602
				5491+*		MDC176	36168302
		00002		5492+CVTGTRCE	EQU	X'02' - GENERALIZED TRACE FACILITY (GTF) HAS	36169002
				5493+*		SUPPRESSED SUPERVISOR TRACE ICB446	36169302
		00001		5494+CVTSDTRC	EQU	X'01' - SVC DUMP HAS SUPPRESSED SUPERVISOR TRACE	36169702
				5495+*		ICB446	36170402
00018F	07			5496+CVTAPG	DC	FL1'7' - DISPATCHING PRIORITY OF AUTOMATIC PRIORITY	36171102
				5497+*		GROUP (APG) MDC152	36171802
000190	07FB			5498+CVTTRACE	BR	11 - BRANCH ON REGISTER INSTRUCTION. SET BY	36172502
				5499+*		NIP. REGISTER TEN FOR TRACE. REGISTER	36173202
				5500+*		ELEVEN FOR NO TRACE.	36173502
000192	07FB			5501+CVTTRAC2	BR	11 - THIS ALLOWS FOR SUPPRESSING TRACE	36173902
				5502+*		DYNAMICALLY BY SETTING CONDITION CODE	36174602
				5503+*		MASK TO ZERO IN FIRST INSTRUCTION	36175302
				5504+*		(CVTTRACE)	36176002
000194	00000000			5505+CVTRSCN	DC	V(IEATRSCN) - ADDRESS OF ROUTINE TO SCAN TCB TREE	36176702

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
000198	000000000			5506+CVTTAS	DC	A(0) -	ADDRESS OF ROUTINE TO TRANSFER ADDRESS 36177402
				5507+*			SPACE YM2706 36177702
00019C	000000000			5508+CVTRV332	DC	A(0) -	** CVTPVALD FIELD UNUSED IN MVS ** 36178104
				5509+*			(MDC148) @Z40AQ9A 36178504
0001A0				5510+CVTSHRVM	DS	A -	LOWEST ADDRESS OF SHARED VIRTUAL STORAGE 36179502
				5511+*			AREA. THIS ADDRESS WILL BE THE BEGINNING 36180203
				5512+*			OF THE COMMON SERVICE AREA (CSA) 36180903
				5513+*			(MDC324) @Z30AQ9A 36182603
0001A4	000000000			5514+CVT0VL01	DC	V(IEA0VL01) -	ENTRY POINT ADDRESS OF VALIDITY CHECK 36183102
				5515+*			ROUTINE (IEA0VL01) USED TO COMPARE 36183602
				5516+*			PROTECT KEY OF AN ADDRESS WITH TCB 36184102
				5517+*			PROTECT KEY 36184602
0001A8	000000000			5518+CVTPPGMX	DC	V(IEAPPGMX) -	ADDRESS OF A BRANCH ENTRY POINT @ZA58427 36184903
				5519+*			TO PROGRAM MANAGER RESOURCE @ZA58427 36185203
				5520+*			MANAGEMENT ROUTINES @ZA58427 36185503
0001AC	000000000			5521+CVTRV325	DC	A(0) -	** CVTPFIXR FIELD UNUSED IN MVS ** 36185904
				5522+*			(MDC120) @Z40AQ9A 36186304
0001B0	000000000			5523+CVTRV326	DC	A(0) -	** CVTPFIXP FIELD UNUSED IN MVS ** 36186704
				5524+*			(MDC121) @Z40AQ9A 36187104
0001B4	000000000			5525+CVTASCRF	DC	A(0) -	CREATED ASCB QUEUE HEADER 36188104
				5526+*			(MDC337) @ZA04120 36188504
0001B8	000000000			5527+CVTASCRL	DC	A(0) -	CREATED ASCB QUEUE TRAILER 36188904
				5528+*			(MDC338) @ZA04120 36189304
0001BC	000000000			5529+CVTPUTL	DC	A(0) -	ADDRESS OF IKJPUTL, TSO PUT LINE ROUTINE 36190302
				5530+*			(MDC207) YM2225 36190602
0001C0	000000000			5531+CVTSRBRT	DC	V(IEAPDSRT) -	DISPATCHER RETURN ADDRESS FOR SRB ROUTINES 36191602
				5532+*			MDC130 36192102
0001C4	000000000			5533+CVTOLT0A	DC	V(IFDOLT0A) -	BRANCH ENTRY TO OLTEP MEMORY TERMINATION 36192602
				5534+*			RESOURCE MANAGER MDC129 36193102
0001C8	000000000			5535+CVTSMFEX	DC	V(IEASMFEX) -	BRANCH ENTRY TO SYSTEM MANAGEMENT 36193602
				5536+*			FACILITIES (SMF) EXCP COUNTING ROUTINE 36194102
				5537+*			FOR VAM WINDOW INTERCEPT MDC133 36194602
0001CC	000000000			5538+CVTCSPIE	DC	A(0) -	FOR CHECKPOINT/RESTART, BRANCH ENTRY TO 36195102
				5539+*			SPIE MDC149 36195602
0001D0	000000000			5540+CVTPTGT	DC	A(0) -	ADDRESS OF IKJPTGT, TSO PUTGET ROUTINE 36196102
				5541+*			(MDC208) YM2225 36215602
0001D4				5542+CVTIOSPL	DS	FL1 -	PRIORITY LEVEL OF I/O SUPERVISOR CHANNEL 36219102
				5543+*			SCHEDULER MDC019 36219602
0001D5				5544+CVTRV513	DS	XL1 -	RESERVED MDC165 36220102
0001D6	00			5545+CVTDSSAC	DC	XL1'00' -	DYNAMIC SUPPORT SYSTEM (DSS) ACTIVATED 36220602
				5546+*			FLAG - USED BY RESTART FLIH. IF X'00', 36223002
				5547+*			DSS NOT INITIALIZED. IF X'FF', DSS HAS 36223502
				5548+*			BEEN INITIALIZED. MDC163 36224002
0001D7				5549+CVTRV139	DS	XL1 -	RESERVED 36224502
0001D8	000000000			5550+CVTSTCK	DC	A(0) -	ADDRESS OF IKJSTCK, TSO STACK ROUTINE 36224702
				5551+*			(MDC209) YM2225 36225002
0001DC	0001			5552+CVTMAXMP	DC	H'1' -	FOR MEASUREMENT FACILITY (MF/1), MAXIMUM 36226502
				5553+*			PHYSICAL CPU ADDRESS SUPPORTED BY THIS 36227002
				5554+*			RELEASE MDC165 36227502
0001DE				5555+CVTRV144	DS	H -	RESERVED 36228002
0001E0	000000000			5556+CVTSCAN	DC	A(0) -	ADDRESS OF IKJSCAN, TSO SCAN ROUTINE 36228202
				5557+*			(MDC210) YM2225 36228502
0001E4				5558+CVTAUTHL	DS	A -	POINTER TO AUTHORIZED LIBRARY TABLE MDC001 36229502
0001E8	000000000			5559+CVTBLDCP	DC	V(IEAVBLDP) -	BRANCH ENTRY TO BUILD POOL MDC003 36230002
0001EC	000000000			5560+CVTGETCL	DC	V(IEAVGTCL) -	BRANCH ENTRY TO GET CELL MDC004 36231602

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
0001F0	00000000			5561+CVTFRECL	DC	V(IEAVFRCL) - BRANCH ENTRY TO FREE CELL	MDC005 36232502
0001F4	00000000			5562+CVTDELCP	DC	V(IEAVDELP) - BRANCH ENTRY TO DELETE POOL	MDC006 36232902
0001F8	00000000			5563+CVTCRMN	DC	V(CRBRANCH) - BRANCH ENTRY TO SVC 120 (GETMAIN/FREEMAIN	36233402
				5564+*		CRBRANCH)	MDC007 36234302
0001FC	00000000			5565+CVTCRAS	DC	V(IEAVGCAS) - BRANCH ENTRY TO 'CREATE ADDRESS SPACE'	36234702
				5566+*			MDC008 36235202
000200	00000000			5567+CVTQSAS	DC	V(IEAQSPET) - BRANCH ENTRY TO TASK TERMINATION	MDC009 36236102
000204	00000000			5568+CVTFRAS	DC	V(IEAVGFAS) - BRANCH ENTRY TO 'FREE ADDRESS SPACE'	36236502
				5569+*			MDC010 36237002
000208	00000000			5570+CVTS1EE	DC	V(IGC043BR) - BRANCH ENTRY TO STAGE 1 EXIT EFFECTOR	36238002
				5571+*			MDC011 36238602
00020C	00000000			5572+CVTPARS	DC	A(0) - ADDRESS OF IKJPARS, TSO PARSE ROUTINE	36238802
				5573+*		(MDC211)	YM2225 36239702
000210	00000000			5574+CVTQUIS	DC	V(IEAVAR02) - BRANCH ENTRY TO QUIESCE	MDC013 36240602
000214	00000000			5575+CVTSTXU	DC	A(0) - BRANCH ENTRY TO ATTENTION EXIT EPILOGUE	36241103
				5576+*		(MDC321)	@Z30HP9A 36241603
000218	00000000			5577+CVTOPT	DC	V(IRARMI00) - BRANCH ENTRY ADDRESS TO SYSEVENT	MDC015 36242102
00021C				5578+CVTSDRM	DS	A - BRANCH ENTRY ADDRESS OF THE RESOURCE	36242602
				5579+*		MANAGER ROUTINE FOR SVC DUMP. THIS	36243102
				5580+*		ROUTINE CAN BE INVOKED BY MEMORY	36243602
				5581+*		TERMINATION	MDC077 36244102
000220				5582+CVTI0SCS	DS	A - ENTRY POINT OF I/O SUPERVISOR CHANNEL	36244602
				5583+*		SCHEDULER	MDC018 36245102
000224	00000000			5584+CVTAQTOP	DC	V(IEFAQTOP) - POINTER TO AREA CONTAINING QUIESCE	36245602
				5585+*		DESCRIPTOR BLOCK (QDB'S) FOR DEVICE	36246102
				5586+*		ALLOCATION	MDC021 36246602
000228				5587+CVTVVMDI	DS	A - CONSTANT USED BY PAGED LINK PACK AREA	36247102
				5588+*		(LPA) DIRECTORY SEARCH ALGORITHM	MDC022 36247602
00022C				5589+CVTASVT	DS	A - POINTER TO ADDRESS SPACE VECTOR TABLE	36248102
				5590+*		(ASVT)	MDC070 36248602
000230				5591+CVTGDA	DS	A - POINTER TO GLOBAL DATA AREA (GDA) IN SQA	36249102
				5592+*			MDC024 36249602
000234	00000000			5593+CVTASCBH	DC	V(IEAMASCB) - POINTER TO HIGHEST PRIORITY ADDRESS SPACE	36250102
				5594+*		CONTROL BLOCK (ASCB) ON THE ASCB	36253002
				5595+*		DISPATCHING QUEUE (HEAD OF ASCB QUEUE)	36253502
				5596+*			MDC027 36253702
000238	00000000			5597+CVTASCB	DC	V(IEAMASCB) - POINTER TO LOWEST PRIORITY ASCB ON THE	36254040
				5598+*		ASCB DISPATCHING QUEUE (MDC339)	@Z40WP9A 36254440
00023C				5599+CVTRTMCT	DS	A - POINTER TO RECOVERY/TERMINATION CONTROL	36255402
				5600+*		TABLE	MDC031 36255902
000240				5601+CVTSV60	DS	A - ADDRESS OF SVC 60 BRANCH ENTRY POINT	36256402
				5602+*		(MDC354)	@Z40FP9A 36256904
000244	00000000			5603+CVTSDMP	DC	V(IEAVTSDX) - ADDRESS OF SVC DUMP BRANCH ENTRY POINT	36257402
				5604+*			MDC033 36257902
000248	00000000			5605+CVTSCBP	DC	V(IEAVTSBP) - ADDRESS OF SCB PURGE RESOURCE MANAGER	36258402
				5606+*			MDC034 36258902
00024C	80000000			5607+CVTSDBF	DC	X'80000000' - ADDRESS OF 4K SQA BUFFER USED BY SVC	36259402
				5608+*		DUMP. HIGH-ORDER BIT OF THIS CVT WORD	36260702
				5609+*		IS USED AS LOCK TO INDICATE BUFFER IS	36261402
				5610+*		IN USE	MDC035 36261902
000250	00000000			5611+CVTRTMS	DC	A(0) - ADDRESS OF SERVICABILITY LEVEL INDICATOR	36262141
				5612+*		PROCESSING (SLIP) HEADER (MDC358)	@G17SP9A 36262441
000254				5613+CVTTPIOS	DS	A - ADDRESS OF THE TELEPROCESSING I/O	36263402
				5614+*		SUPERVISOR ROUTINE (TPIOS)	MDC078 36263902
000258				5615+CVTSIC	DS	A - BRANCH ADDRESS OF THE ROUTINE TO SCHEDULE	36264402

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				5616+*	SYSTEM INITIALIZED CANCEL	MDC042 36264902
00025C	00000000			5617+CVTOPCTP DC	V(IRARMCNS) - ADDRESS OF SYSTEM RESOURCES MANAGER (SRM)	36265402
				5618+*	CONTROL TABLE	MDC043 36265902
000260	00000000			5619+CVTEXPRO DC	V(IEAVEXPR) - ADDRESS OF EXIT PROLOGUE/TYPE 1 EXIT	36266402
				5620+*		MDC044 36266902
000264	00000000			5621+CVTGSMQ DC	V(IEAGSMQ) - ADDRESS OF GLOBAL SERVICE MANAGER QUEUE	36267402
				5622+*		MDC045 36267902
000268	00000000			5623+CVTLSTMQ DC	V(IEALSMQ) - ADDRESS OF LOCAL SERVICE MANAGER QUEUE	36268402
				5624+*		MDC046 36268902
00026C	00000000			5625+CVTGSPL DC	V(IEAGSPL) - ADDRESS OF GLOBAL SYSTEM PRIORITY LIST	36269402
				5626+*	QUEUE	MDC047 36269902
000270	00000000			5627+CVTVWAIT DC	V(IEAVWAIT) - ADDRESS OF WAIT ROUTINE	MDC048 36270402
000274	00000000			5628+CVTPARRL DC	V(IEAPPGMA) - ADDRESS OF PARTIALLY LOADED DELETE QUEUE	36270902
				5629+*		MDC049 36271402
000278				5630+CVTAPFT DS	A - ADDRESS OF AUTHORIZED PROGRAM FACILITY	36271902
				5631+*	(APF) TABLE. INITIALIZED BY NIP.	MDC050 36272402
00027C	00000000			5632+CVTQCS01 DC	V(IEAQCS01) - BRANCH ENTRY ADDRESS TO PROGRAM MANAGER	36272902
				5633+*	USED BY ATTACH	MDC051 36273402
000280				5634+CVTFQCB DS	A - POINTER TO FIRST MAJOR QCB FOR ENQ	MDC052 36273902
000284				5635+CVTLQCB DS	A - POINTER TO LAST MAJOR QCB FOR ENQ	MDC053 36277002
000288	00000000			5636+CVTRENQ DC	V(IEAVENQ2) - RESOURCE MANAGER ADDRESS FOR ENQ	MDC054 36277602
00028C	00000000			5637+CVTRSPIE DC	A(0) - RESOURCE MANAGER FOR SPIE	MDC055 36278202
000290	00000000			5638+CVTLKRMA DC	V(IEAVELRM) - RESOURCE MANAGER ADDRESS FOR LOCK MANAGER	36278802
				5639+*		MDC056 36279402
000294				5640+CVTCSD DS	A - VIRTUAL ADDRESS OF COMMON SYSTEM DATA AREA	36280002
				5641+*	(CSD). INITIALIZED BY NIP.	MDC057 36280602
000298	00000000			5642+CVTDQIQE DC	V(IEADQIQE) - RESOURCE MANAGER FOR EXIT EFFECTORS	MDC058 36281202
00029C	00000000			5643+CVTRPOST DC	V(IEARPOST) - RESOURCE MANAGER FOR POST	MDC059 36281802
0002A0	00000000			5644+CVT062R1 DC	V(IGC062R1) - BRANCH ENTRY TO DETACH	MDC060 36282402
0002A4	00000000			5645+CVTVEAC0 DC	V(IEAVEAC0) - ASCBCHAP BRANCH ENTRY	MDC061 36283002
0002A8	00000000			5646+CVTGLMN DC	V(GLBRANCH) - GLOBAL BRANCH ENTRY ADDRESS FOR	36283602
				5647+*	GETMAIN/FREEMAIN	MDC062 36284202
0002AC	00000000			5648+CVTSPSA DC	V(IEAVGWSA) - POINTER TO GLOBAL WORK/SAVE AREA VECTOR	36284802
				5649+*	TABLE (WSAG)	MDC071 36285402
0002B0	00000000			5650+CVTWSAL DC	V(IEAVWSAL) - ADDRESS OF TABLE OF LENGTHS OF LOCAL	36286002
				5651+*	WORK/SAVE AREAS	MDC072 36286602
0002B4	00000000			5652+CVTWSAG DC	V(IEAVWSAG) - ADDRESS OF TABLE OF LENGTHS OF GLOBAL	36286964
				5653+*	WORK/SAVE AREAS (MDC391)	@G64UP9A 36287464
0002B8	00000000			5654+CVTWSAC DC	V(IEAVWSAC) - ADDRESS OF TABLE OF LENGTHS OF CPU	36288402
				5655+*	WORK/SAVE AREAS	MDC074 36289002
0002BC	00000000			5656+CVTRECRQ DC	V(IEAVTRER) - ADDRESS OF THE RECORDING REQUEST FACILITY	36289602
				5657+*	(PART OF RTM1 - CALLED BY RTM2 AND RMS)	36290202
				5658+*		MDC075 36290802
0002C0	00000000			5659+CVTASMVT DC	V(ASMVT) - POINTER TO AUXILIARY STORAGE MANAGEMENT	36291440
				5660+*	VECTOR TABLE (AMVT) (MDC340)	@Z40WP9A 36291840
0002C4	00000000			5661+CVTIOBP DC	V(IDA121CV) - ADDRESS OF THE BLOCK PROCESSOR CVT	36292602
				5662+*	(MDC079)	YM0029 36293202
0002C8	00000000			5663+CVTSPOST DC	V(IEASPOST) - POST RESOURCE MANAGER TERMINATION ROUTINE	36293802
				5664+*	(RMTR) ENTRY POINT	MDC085 36294402
0002CC	00000000			5665+CVTRSTWD DC	F'0' - RESTART RESOURCE MANAGEMENT WORD -	36295002
				5666+*	CONTAINS IDENTIFIER OF USER IF RESTART IS	36295602
				5667+*	IN USE. OTHERWISE, ZERO.	MDC161 36296202
0002D0	00000000			5668+CVTFETCH DC	V(IEWMSEPT) - ADDRESS OF ENTRY POINT FOR BASIC FETCH	36296802
				5669+*		MDC196 36297402
0002D4	00000000			5670+CVT044R2 DC	V(IGC044R2) - ADDRESS OF IGC044R2 IN CHAP SERVICE	36298002

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				5671+*	ROUTINE	MDC197 36298602
0002D8	00000000			5672+CVTPERFM DC	A(0) - ADDRESS OF THE PERFORMANCE WORK AREA.	36299202
				5673+*	SET BY IGX00018.	MDC205 36301002
0002DC	00000000			5674+CVTDAIR DC	A(0) - ADDRESS OF IKJDAIR, TSO DYNAMIC	36301302
				5675+*	ALLOCATION INTERFACE ROUTINE (MDC212)	36301602
				5676+*		YM2225 36302202
0002E0	00000000			5677+CVTEHDEF DC	A(0) - ADDRESS OF IKJEHDEF, TSO DEFAULT SERVICE	36302502
				5678+*	ROUTINE (MDC213)	YM2225 36302802
0002E4	00000000			5679+CVTEHCIR DC	A(0) - ADDRESS OF IKJEHCIR, TSO CATALOG	36303402
				5680+*	INFORMATION ROUTINE (MDC214)	YM2225 36304302
0002E8				5681+CVTSSAP DS	A - ADDRESS OF SYSTEM SAVE AREA	MDC063 36305202
0002EC				5682+CVTAIDVT DS	A - POINTER TO APPENDAGE ID VECTOR TABLE	36305802
				5683+*		MDC064 36306402
0002F0	00000000			5684+CVTIPCDS DC	V(IEAVEDR) - BRANCH ENTRY FOR DIRECT SIGNAL	36307002
				5685+*	SERVICE ROUTINE	MDC065 36307602
0002F4	00000000			5686+CVTIPCRI DC	V(IEAVERI) - BRANCH ENTRY FOR REMOTE IMMEDIATE	36308202
				5687+*	SIGNAL SERVICE ROUTINE	MDC066 36308802
0002F8	00000000			5688+CVTIPCRP DC	V(IEAVERP) - BRANCH ENTRY FOR REMOTE PENDABLE	36309402
				5689+*	SIGNAL SERVICE ROUTINE	MDC067 36310002
0002FC				5690+CVTPCCAT DS	A - POINTER TO PHYSICAL CCA VECTOR TABLE	36310602
				5691+*		MDC068 36311202
000300				5692+CVTLCCAT DS	A - POINTER TO LOGICAL CCA VECTOR TABLE	MDC069 36311802
000304				5693+CVTRV210 DS	B - RESERVED	36312402
		00080		5694+CVTRV211 EQU	X'80',,,C'X' - RESERVED	36313002
		00040		5695+CVTRV212 EQU	X'40',,,C'X' - RESERVED	36313602
		00020		5696+CVTRV213 EQU	X'20',,,C'X' - RESERVED	36314202
		00010		5697+CVTRV214 EQU	X'10',,,C'X' - RESERVED	36314802
		00008		5698+CVTRV215 EQU	X'08',,,C'X' - RESERVED	36315402
		00004		5699+CVTRV216 EQU	X'04',,,C'X' - RESERVED	36316002
		00002		5700+CVTRV217 EQU	X'02',,,C'X' - RESERVED	36316602
		00001		5701+CVTRV218 EQU	X'01',,,C'X' - RESERVED	36317202
000305				5702+CVTRV219 DS	B - RESERVED	36317802
		00080		5703+CVTRV220 EQU	X'80',,,C'X' - RESERVED	36318402
		00040		5704+CVTRV221 EQU	X'40',,,C'X' - RESERVED	36319002
		00020		5705+CVTRV222 EQU	X'20',,,C'X' - RESERVED	36319602
		00010		5706+CVTRV223 EQU	X'10',,,C'X' - RESERVED	36320202
		00008		5707+CVTRV224 EQU	X'08',,,C'X' - RESERVED	36320802
		00004		5708+CVTRV225 EQU	X'04',,,C'X' - RESERVED	36321402
		00002		5709+CVTRV226 EQU	X'02',,,C'X' - RESERVED	36322002
		00001		5710+CVTRV227 EQU	X'01',,,C'X' - RESERVED	36322602
000306				5711+CVTRV228 DS	B - RESERVED	36323202
		00080		5712+CVTRV229 EQU	X'80',,,C'X' - RESERVED	36323802
		00040		5713+CVTRV230 EQU	X'40',,,C'X' - RESERVED	36324402
		00020		5714+CVTRV231 EQU	X'20',,,C'X' - RESERVED	36325002
		00010		5715+CVTRV232 EQU	X'10',,,C'X' - RESERVED	36325602
		00008		5716+CVTRV233 EQU	X'08',,,C'X' - RESERVED	36326202
		00004		5717+CVTRV234 EQU	X'04',,,C'X' - RESERVED	36326802
		00002		5718+CVTRV235 EQU	X'02',,,C'X' - RESERVED	36327402
		00001		5719+CVTRV236 EQU	X'01',,,C'X' - RESERVED	36328002
000307				5720+CVTRV237 DS	B - RESERVED	36328602
		00080		5721+CVTRV238 EQU	X'80',,,C'X' - RESERVED	36329202
		00040		5722+CVTRV239 EQU	X'40',,,C'X' - RESERVED	36329802
		00020		5723+CVTRV240 EQU	X'20',,,C'X' - RESERVED	36330402
		00010		5724+CVTRV241 EQU	X'10',,,C'X' - RESERVED	36331002
		00008		5725+CVTRV242 EQU	X'08',,,C'X' - RESERVED	36331602

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			00004	5726+CVTRV243	EQU	X'04' , , C'X' - RESERVED	36332202
			00002	5727+CVTRV244	EQU	X'02' , , C'X' - RESERVED	36332802
			00001	5728+CVTRV245	EQU	X'01' , , C'X' - RESERVED	36333402
000308				5729+CVTRV246	DS	XL1 - RESERVED	36334002
000309				5730+CVTRV247	DS	XL1 - RESERVED	36334602
00030A				5731+CVTRV248	DS	XL1 - RESERVED	36335202
00030B				5732+CVTRV249	DS	XL1 - RESERVED	36335802
00030C				5733+CVTRV250	DS	XL1 - RESERVED	36336402
00030D				5734+CVTRV251	DS	XL1 - RESERVED	36337002
00030E				5735+CVTRV252	DS	AL2 - RESERVED	36337602
000310				5736+CVTRV253	DS	H - RESERVED	36338202
000312				5737+CVTRV254	DS	H - RESERVED	36338802
000314	00000000			5738+CVTPWI	DC	A(0) - ADDRESS OF THE WINDOW INTERCEPT ROUTINE	36339402
				5739+*		(MDC104) YM4043	36340002
000318	00000000			5740+CVTPVBP	DC	A(0) - ADDRESS OF THE VIRTUAL BLOCK PROCESSOR	36340602
				5741+*		(MDC105) YM4043	36341202
00031C	00000000			5742+CVTMFCTL	DC	A(0) - POINTER TO MEASUREMENT FACILITY CONTROL	36341802
				5743+*		BLOCK MDC100	36342402
000320	00000052			5744+CVTMFRTR	DC	A(CVTBRET) - IF MEASUREMENT FACILITY IS ACTIVE,	36343002
				5745+*		CONTAINS ADDRESS OF MEASUREMENT FACILITY	36343602
				5746+*		ROUTINE. OTHERWISE, ADDRESS OF CVTBRET.	36344202
				5747+*		MDC101	36344802
		00080		5748+CVTMFACT	EQU	X'80' - IF ONE, I/O SUPERVISOR AND TIMER SECOND	36345402
				5749+*		LEVEL INTERRUPT HANDLER HOOKS BRANCH	36345802
				5750+*		TO MEASUREMENT FACILITY ROUTER. USED TO	36346002
				5751+*		SET HIGH-ORDER BIT OF CVTMFRTR. MDC102	36346602
000324	00000000			5752+CVTVPSIB	DC	V(IEAVPSIB) - BRANCH ENTRY TO PAGE SERVICES	MDC108 36347202
000328	00000000			5753+CVTVSI	DC	V(IEAVAMSI) - BRANCH ENTRY TO VAM SERVICES	MDC109 36347802
00032C	00000000			5754+CVTVFP	DC	V(IEAVFP1) - BRANCH ENTRY TO FINDPAGE	MDC110 36348402
000330				5755+CVTRV262	DS	B - RESERVED	36349002
		00080		5756+CVTRV263	EQU	X'80' , , C'X' - RESERVED	36349602
		00040		5757+CVTRV264	EQU	X'40' , , C'X' - RESERVED	36350202
		00020		5758+CVTRV265	EQU	X'20' , , C'X' - RESERVED	36350802
		00010		5759+CVTRV266	EQU	X'10' , , C'X' - RESERVED	36351402
		00008		5760+CVTRV267	EQU	X'08' , , C'X' - RESERVED	36352002
		00004		5761+CVTRV268	EQU	X'04' , , C'X' - RESERVED	36352602
		00002		5762+CVTRV269	EQU	X'02' , , C'X' - RESERVED	36353202
		00001		5763+CVTRV270	EQU	X'01' , , C'X' - RESERVED	36353802
000331				5764+CVTRV271	DS	B - RESERVED	36354402
		00080		5765+CVTRV272	EQU	X'80' , , C'X' - RESERVED	36355002
		00040		5766+CVTRV273	EQU	X'40' , , C'X' - RESERVED	36355602
		00020		5767+CVTRV274	EQU	X'20' , , C'X' - RESERVED	36356202
		00010		5768+CVTRV275	EQU	X'10' , , C'X' - RESERVED	36356802
		00008		5769+CVTRV276	EQU	X'08' , , C'X' - RESERVED	36357402
		00004		5770+CVTRV277	EQU	X'04' , , C'X' - RESERVED	36358002
		00002		5771+CVTRV278	EQU	X'02' , , C'X' - RESERVED	36358602
		00001		5772+CVTRV279	EQU	X'01' , , C'X' - RESERVED	36359202
000332				5773+CVTRV280	DS	B - RESERVED	36359802
		00080		5774+CVTRV281	EQU	X'80' , , C'X' - RESERVED	36360402
		00040		5775+CVTRV282	EQU	X'40' , , C'X' - RESERVED	36361002
		00020		5776+CVTRV283	EQU	X'20' , , C'X' - RESERVED	36361602
		00010		5777+CVTRV284	EQU	X'10' , , C'X' - RESERVED	36362202
		00008		5778+CVTRV285	EQU	X'08' , , C'X' - RESERVED	36362802
		00004		5779+CVTRV286	EQU	X'04' , , C'X' - RESERVED	36363402
		00002		5780+CVTRV287	EQU	X'02' , , C'X' - RESERVED	36364002

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			00001	5781+CVTRV288	EQU	X'01',,,C'X' - RESERVED	36364602
000333				5782+CVTRV289	DS	B - RESERVED	36365202
			00080	5783+CVTRV290	EQU	X'80',,,C'X' - RESERVED	36365802
			00040	5784+CVTRV291	EQU	X'40',,,C'X' - RESERVED	36366402
			00020	5785+CVTRV292	EQU	X'20',,,C'X' - RESERVED	36367002
			00010	5786+CVTRV293	EQU	X'10',,,C'X' - RESERVED	36367602
			00008	5787+CVTRV294	EQU	X'08',,,C'X' - RESERVED	36368202
			00004	5788+CVTRV295	EQU	X'04',,,C'X' - RESERVED	36368802
			00002	5789+CVTRV296	EQU	X'02',,,C'X' - RESERVED	36369402
			00001	5790+CVTRV297	EQU	X'01',,,C'X' - RESERVED	36370002
000334	000000000			5791+CVTTRCA	DC	A(0) - ADDRESS OF TRACE TABLE HEADER	36370603
				5792+*		(MDC327) @ZA02352	36372403
000338				5793+CVTRV302	DS	AL2 - RESERVED	36373002
00033A				5794+CVTRV303	DS	AL2 - RESERVED	36373602
00033C				5795+CVTRV304	DS	H - RESERVED	36374202
00033E				5796+CVTRV305	DS	H - RESERVED	36374802
000340				5797+CVTRV306	DS	H - RESERVED	36375402
000342				5798+CVTRV307	DS	H - RESERVED	36376002
000344	000000000			5799+CVTVIOP	DC	V(IEAVPIOP) - ENTRY POINT OF PAGE I/O POST	MDC111 36376602
000348	000000000			5800+CVTRMBR	DC	V(RMBRANCH) - ADDRESS OF REGMAIN BRANCH ENTRY	MDC123 36377202
00034C	000000000			5801+CVTLFRM	DC	V(FMBRANCH) - LIST FORMAT FREEMAIN BRANCH ENTRY POINT	36377802
				5802+*		MDC124	36378402
000350	000000000			5803+CVTGMBR	DC	V(GMBRANCH) - LIST FORMAT GETMAIN BRANCH ENTRY POINT	36379002
				5804+*		MDC125	36379602
000354	000000000			5805+CVT0TC0A	DC	A(0) - ADDRESS OF TASK CLOSE MODULE IFG0TC0A	36380202
				5806+*		MDC128	36380802
000358	000000000			5807+CVTRLSTG	DC	F'0' - SIZE OF ACTUAL REAL STORAGE ONLINE AT	36381402
				5808+*		IPL TIME IN 'K'. VALUE PLACED HERE BY	36382002
				5809+*		IEAVNIPO. MDC153	36382602
00035C	000000000			5810+CVTSPFRR	DC	V(IEAVESPR) - 'SUPER FRR' ADDRESS (ADDRESS OF FUNCTIONAL	36383202
				5811+*		RECOVERY ROUTINE ESTABLISHED AT NIPO TIME	36383602
				5812+*		TO PROTECT SUPERVISOR CONTROL PROGRAM)	36383802
				5813+*		MDC154	36384402
000360	000000000			5814+CVTVEMS0	DC	V(IEAVEMS0) - ADDRESS OF MEMORY SWITCH ROUTINE	MDC155 36385002
000364	000000000			5815+CVTJRECM	DC	A(0) - ADDRESS OF SUBSYSTEM INTERFACE RESOURCE	36385602
				5816+*		MANAGER MDC157	36386202
000368	000000000			5817+CVTIRECM	DC	A(0) - ADDRESS OF INITIATOR RESOURCE MANAGER	36386802
				5818+*		MDC158	36387402
00036C	000000000			5819+CVTDARCM	DC	A(0) - ADDRESS OF DEVICE ALLOCATION RESOURCE	36388002
				5820+*		MANAGER MDC159	36388602
000370	000000000			5821+CVT0PT02	DC	V(IEA0PT02) - ADDRESS OF POST ENTRY POINT IEA0PT02	36389202
				5822+*		MDC160	36389802
000374	000000000			5823+CVTSTPRS	DC	V(IEESTPRS) - ENTRY POINT OF STOP AND RESTART	36390402
				5824+*		SUBROUTINE MDC162	36391002
000378	000000000			5825+CVTWTCB	DC	V(IEAWTCB) - ADDRESS OF WAIT STATE TCB	MDC164 36391602
00037C	000000000			5826+CVTVACR	DC	A(0) - ACR/VARY CPU CHANNEL RECOVERY ROUTINE	36393602
				5827+*		ADDRESS. ADDRESS FILLED IN BY VARY CPU	36394002
				5828+*		PROCESSOR. MDC178	36394402
000380	000000000			5829+CVTQUIT	DC	A(0) - VARY CPU SHUTDOWN ROUTINE ADDRESS.	36394802
				5830+*		ADDRESS FILLED IN BY VARY CPU PROCESSOR.	36394902
				5831+*		MDC179	36395002
000384	000000000			5832+CVTGTFR8	DC	V(AHLVCCR8) - GENERALIZED TRACE FACILITY (GTF) CONTROL	36395102
				5833+*		REGISTER 8 INITIALIZATION ROUTINE ADDRESS	36396502
				5834+*		MDC180	36398502
000388	000000000			5835+CVTVSTOP	DC	V(IEEVSTOP) - ADDRESS OF VARY CPU STOP CPU ROUTINE	36401202

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				5836+*		MDC169 36402602
00038C	00000000			5837+CVTVPSA DC	A(0) - ADDRESS OF COPY OF SYSGEN'ED PSA - PLACED	36404002
				5838+*	HERE BY NIP	MDC170 36405402
000390	00000000			5839+CVTRMPTT DC	A(0) - ADDRESS OF ISTRAMA1, THE VTAM RESOURCE	36406803
				5840+*	MANAGER FOR NORMAL AND ABNORMAL TASK	36407803
				5841+*	TERMINATION (MDC322) @Z30AP9A	36408803
000394	00000000			5842+CVTRMPMT DC	A(0) - ADDRESS OF ISTRAMA2, THE VTAM RESOURCE	36409803
				5843+*	MANAGER FOR NORMAL AND ABNORMAL MEMORY	36410803
				5844+*	TERMINATION (MDC323) @Z30AP9A	36411803
000398	00000000			5845+CVTEXP1 DC	V(IEAVEXP1) - ADDRESS OF EXIT PROLOGUE WHICH RETURNS TO	36415202
				5846+*	THE DISPATCHER	MDC173 36416602
00039C	00000000			5847+CVTCSDRL DC	A(0) - REAL ADDRESS OF COMMON SYSTEM DATA AREA	36418002
				5848+*	(CSD). INITIALIZED BY NIP.	MDC174 36419402
0003A0	00000000			5849+CVTSSRB DC	V(IGC07903) - STATUS STOP SRB ENTRY	MDC175 36420802
0003A4	00000000			5850+CVTRPT DC	A(0) - ADDRESS OF IGARPT01 MODULE OF RADIX	36422202
				5851+*	PARTITION TREE SERVICES. INITIALIZED	36423602
				5852+*	BY NIP.	MDC177 36425002
0003A8	00000000			5853+CVTQV1 DC	V(IEAVEQV1) - ADDRESS OF QUEUE VERIFICATION FOR SINGLE	36427002
				5854+*	THREADED QUEUES WITH HEADERS ONLY	MDC181 36429002
0003AC	00000000			5855+CVTQV2 DC	V(IEAVEQV2) - ADDRESS OF QUEUE VERIFICATION FOR SINGLE	36431002
				5856+*	THREADED QUEUES WITH HEADER AND TRAILER	36433002
				5857+*		MDC182 36433102
0003B0	00000000			5858+CVTQV3 DC	V(IEAVEQV3) - ADDRESS OF QUEUE VERIFICATION FOR DOUBLE	36433202
				5859+*	THREADED QUEUES	MDC183 36433302
0003B4	00000000			5860+CVTGSDA DC	F'0' - ADDRESS OF GLOBAL SYSTEM DUPLEX AREA.	36434802
				5861+*	ADDRESS FILLED IN BY NIP0.	MDC184 36436802
		00080		5862+CVTGSDAB EQU	X'80' - IF HIGH-ORDER BIT IS ONE, THERE IS A VALID	36438802
				5863+*	VALUE IN FOLLOWING 31 BITS	MDC185 36438902
0003B8	00000000			5864+CVTADV DC	V(IEAVEADV) - ADDRESS OF ADDRESS VERIFICATION ROUTINE	36439402
				5865+*		MDC186 36439802
0003BC	00000000			5866+CVTTPIO DC	V(IGC124) - ADDRESS OF VTAM TPIO (SVC 124) ROUTINE	36440002
				5867+*		MDC193 36440202
0003C0	00000000			5868+CVTCRCA DC	A(0) - WHEN CHANNEL RECONFIGURATION HARDWARE	36440303
				5869+*	(CRH) IS ACTIVE, ADDRESS OF CRH	36441303
				5870+*	COMMUNICATION AREA IECVCRCA.	36442303
				5871+*	OTHERWISE, ZERO. (MDC306) @Z30CQ9A	36443303
0003C4	00000000			5872+CVTEVENT DC	V(IEAVEVT0) - BRANCH ENTRY ADDRESS TO EVENTS (FAST	36445103
				5873+*	MULTIPLE WAIT ROUTINE) (MDC316) @Z30HP9A	36445203
0003C8	00000000			5874+CVTSSCR DC	A(0) - ADDRESS OF STORAGE SYSTEM CONTROLLER	36446003
				5875+*	RECOVERY MANAGER CLEANUP ROUTINE	36446803
				5876+*	(SSC RMCR) (MDC319) @Z30LP9A	36447603
0003CC	00000000			5877+CVTCBBR DC	V(CBBRANCH) - BRANCH ENTRY ADDRESS TO GETMAIN/FREEMAIN	36449603
				5878+*	(MDC325) @Z30EN9A	36449803
0003D0	00000000			5879+CVTEFF02 DC	A(0) - ADDRESS OF IKJEFF02, TSO MESSAGE ISSUER	36450003
				5880+*	SERVICE ROUTINE (MDC326) @ZM30972	36450203
0003D4	00000000			5881+CVTRV604 DC	A(0) - RESERVED (MDC307) @Z30AQ9A	36450603
0003D8	00000000			5882+CVTRV605 DC	A(0) - RESERVED (MDC307) @Z30AQ9A	36451603
0003DC	00000000			5883+CVTHSM DC	A(0) - POINTER TO HIERARCHICAL STORAGE MANAGER	36452641
				5884+*	(HSM) QUEUE CONTROL TABLE	36452741
				5885+*	(MDC375) @ZA27771	36452841
0003E0	00000000			5886+CVTRAC DC	A(0) - ADDRESS OF ACCESS CONTROL CVT	36453441
				5887+*	(MDC320) @Z40RP9A	36453540
0003E4	00000000			5888+CVTCGK DC	V(IEAVCKEY) - ADDRESS OF ROUTINE USED TO CHANGE THE KEY	36454604
				5889+*	OF VIRTUAL PAGES (MDC331) @Z40EP9A	36455604
0003E8	00000000			5890+CVTRV609 DC	A(0) - RESERVED (MDC332) @Z40AQ9A	36455804

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0003EC	00000000			5891+CVT0PT0E	DC	V(IEA0PT0E) - ENTRY POINT TO IDENTIFY POST EXIT ROUTINES	36459604
				5892+*		(MDC334) @Z40EP9A	36460604
0003F0	00000000			5893+CVT0PT03	DC	V(IEA0PT03) - POST REINVOICATION ENTRY POINT FROM POST	36461604
				5894+*		EXIT ROUTINES (MDC335) @Z40EP9A	36462604
0003F4	00000000			5895+CVTTCASP	DC	A(0) - RESERVED FOR FUTURE USE (MDC336) @Z40DQ9A	36466604
0003F8	00000000			5896+CVTASMRM	DC	V(ILRTERMR) - ADDRESS OF AUXILIARY STORAGE MANAGEMENT	36470640
				5897+*		RESOURCE MANAGER FOR ADDRESS SPACE	36470840
				5898+*		TERMINATION (MDC341) @Z40WP9A	36471040
0003FC	00000000			5899+CVTJTERM	DC	V(ILRJTERM) - ADDRESS OF AUXILIARY STORAGE MANAGEMENT	36471640
				5900+*		JOB TERMINATION RESOURCE MANAGER	36472140
				5901+*		(MDC342) @Z40WP9A	36472640
000400	00000000			5902+CVTRSUME	DC	V(IEAVRSME) - ADDRESS OF RESUME FUNCTION	36473640
				5903+*		(MDC344) @Z40FP9A	36474240
000404	00000000			5904+CVTTCTL	DC	V(IEAVTCTL) - ADDRESS OF TRANSFER CONTROL (TCTL)	36475640
				5905+*		FUNCTION (MDC345) @Z40FP9A	36476240
000408	00000000			5906+CVTCDAL	DC	A(0) - ADDRESS OF COMMON DISPATCHER ACTIVE LIST	36477640
				5907+*		(MDC346) @Z40FP9A	36478240
00040C	00000000			5908+CVTT6SVC	DC	V(IEAVET6E) - ENTRY POINT ADDRESS FOR TYPE 6 SVC EXIT	36479640
				5909+*		FUNCTION (MDC347) @Z40FP9A	36480240
000410	00000000			5910+CVTSUSP	DC	V(IEAVSPND) - ADDRESS OF SUSPEND ROUTINE	36481640
				5911+*		(MDC348) @Z40FP9A	36482540
000414	00000000			5912+CVTIHASU	DC	V(IEAIHASU) - ADDRESS OF BIT STRING (MDC355) @Z404P9A	36484504
000418	00000000			5913+CVTVDCCR	DC	V(IEEVDCCR) - ADDRESS OF DISABLED CONSOLE COMMUNICATION	36486564
				5914+*		ROUTINE (IEEVDCCR) (MDC384) @G64UP9A	36487164
00041C	00000000			5915+CVTCST	DC	A(0) - ADDRESS OF CHANNEL SET TABLE (CST)	36488564
				5916+*		(MDC377) @G64AP9A	36489164
000420	00000000			5917+CVTRV623	DC	A(0) - RESERVED (MDC307) @Z30AQ9A	36490504
000424	00000000			5918+CVTRV624	DC	A(0) - RESERVED (MDC307) @Z30AQ9A	36493504
000428	00000000			5919+CVTRV625	DC	A(0) - RESERVED (MDC307) @Z30AQ9A	36496504
00042C	00000000			5920+CVTRV626	DC	A(0) - RESERVED (MDC307) @Z30AQ9A	36497504
000430	00000000			5921+CVTRV627	DC	A(0) - RESERVED (MDC307) @Z30AQ9A	36500504
000434	00000000			5922+CVTRV628	DC	A(0) - RESERVED (MDC307) @Z30AQ9A	36501504
				5923+*			36506504
				5924+*		OS - OS/VS COMMON EXTENSION	36508504
				5925+*		ADDRESS OF EXTENSION IS IN CVTEXT1	36510504
				5926+*			36512504
000000				5927+CVTXTNT1	DSECT		36517504
000000	00000000			5928+CVTFACHN	DC	A(0) - ADDRESS OF CHAIN OF DCB FIELD AREAS	36528004
				5929+*		(ISAM) ICB421	36530004
000004				5930+CVTRSV87	DS	F - RESERVED	36532004
000008				5931+CVTRSV88	DS	F - RESERVED	36534004
				5932+*			36536004
				5933+*		OS/VS1 - OS/VS2 COMMON EXTENSION	36538004
				5934+*		ADDRESS OF EXTENSION IS IN CVTEXT2	36540004
				5935+*			36542004
000000				5936+CVTXTNT2	DSECT		36546004
000000				5937+CVTDSSV	DS	0A - ADDRESS OF THE DYNAMIC SUPPORT SYSTEM	36556004
				5938+*		(DSS) VECTOR TABLE ICB313	36558004
000000				5939+CVTRSV89	DS	XL1 - RESERVED ICB313	36560004
000001	000000			5940+CVTDSSVA	DC	VL3(IQADSV00) ADDRESS OF THE DYNAMIC SUPPORT SYSTEM	36562004
				5941+*		(DSS) VECTOR TABLE ICB393	36564004
000004				5942+CVTNUCLS	DS	C - IDENTIFICATION OF THE NUCLEUS MEMBER	36566004
				5943+*		NAME ICB322	36574001
000005	00			5944+CVTFLGBT	DC	XL1'00' - FLAG BYTE (OS/VS1) (MDC301) @X04EP9A	36584003
		00080		5945+CVTNPE	EQU	X'80' - INDICATES NON-PAGING ENVIRONMENT (VM	36590003

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
				5946+*		HANDSHAKING) (OS/VS1) (MDC302) @X04EP9A	36596003
		00040		5947+CVTVME EQU	X'40' -	INDICATES MACHINE IS OPERATING IN VM	36602003
				5948+*		ENVIRONMENT (OS/VS1) (MDC303) @X04EP9A	36608003
		00020		5949+CVTBAH EQU	X'20' -	INDICATES THAT THE VM/370 - OS/VS1 BTAM	36611006
				5950+*		AUTOPOLL HANDSHAKE IS OPERATIONAL	36614006
				5951+*		(OS/VS1) (MDC356) @X60KL9A	36617006
		00010		5952+CVTRSV9D EQU	X'10' , , C'X' -	RESERVED	36624001
		00008		5953+CVTRSV9E EQU	X'08' , , C'X' -	RESERVED	36626001
		00004		5954+CVTRSV9F EQU	X'04' , , C'X' -	RESERVED	36628001
		00002		5955+CVTRSV9G EQU	X'02' , , C'X' -	RESERVED	36630001
		00001		5956+CVTRSV9H EQU	X'01' , , C'X' -	RESERVED	36632001
000006				5957+CVTRSV91 DS	H -	RESERVED	36632401
000008	00000000			5958+CVTDEBVR DC	V(IFGDEBVR) -	ADDRESS OF BRANCH ENTRY POINT OF DEB	36644002
				5959+*		VALIDITY CHECK ROUTINE (ICB380) XM9028	36654002
00000C	00000000			5960+CVTRSV92 DC	A(0) -	RESERVED (MDC190) YM2278	36664002
000010				5961+CVTRSV93 DS	F -	RESERVED	36672601
000014				5962+CVTRSV94 DS	F -	RESERVED	36672701
000018				5963+CVTQID DS	0A -	SAME AS CVTQIDA BELOW ICB381	36672901
000018	00			5964+CVTRSV95 DC	XL1'00' -	RESERVED ICB381	36673201
000019	000000			5965+CVTQIDA DC	AL3(0) -	ADDRESS OF QUEUE IDENTIFICATION (QID)	36673602
				5966+*		TABLE PREFIX ICB381	36673702
00001C				5967+CVTOLTEP DS	A -	POINTER TO CONTROL BLOCK CREATED BY SVC 59	36673801
				5968+*		TO POINT TO PSEUDO-DEB'S ICB423	36673901
000020				5969+CVTRSV96 DS	H -	RESERVED	36683901
000022				5970+CVTRSV97 DS	H -	RESERVED	36685901
000024				5971+CVTRSV98 DS	F -	RESERVED	36687901
000028	00000000			5972+CVTCCVT DC	A(0) -	ADDRESS OF CRYPTOGRAPHIC FACILITY CVT	36690141
				5973+*		(MDC370) @ZA27771	36691141
00002C	00000000			5974+CVTSKTA DC	A(0) -	ADDRESS OF STORAGE KEY TABLE (VM	36694904
				5975+*		HANDSHAKING) (OS/VS1) (MDC304) @X04EP9A	36695704
000030	00000000			5976+CVTICB DC	A(0) -	ADDRESS OF MASS STORAGE SYSTEM (MSS)	36702704
				5977+*		CONTROL BLOCK (MDC305) @Z30LP9A	36703804
000034				5978+CVTRV400 DS	B -	RESERVED	36705804
		00080		5979+CVTRV401 EQU	X'80' , , C'X' -	RESERVED	36706804
		00040		5980+CVTRV402 EQU	X'40' , , C'X' -	RESERVED	36707804
		00020		5981+CVTRV403 EQU	X'20' , , C'X' -	RESERVED	36708804
		00010		5982+CVTRV404 EQU	X'10' , , C'X' -	RESERVED	36709804
		00008		5983+CVTRV405 EQU	X'08' , , C'X' -	RESERVED	36710804
		00004		5984+CVTRV406 EQU	X'04' , , C'X' -	RESERVED	36711804
		00002		5985+CVTRV407 EQU	X'02' , , C'X' -	RESERVED	36713802
		00001		5986+CVTRV408 EQU	X'01' , , C'X' -	RESERVED	36713902
000035				5987+CVTRV409 DS	B -	RESERVED	36717202
		00080		5988+CVTRV410 EQU	X'80' , , C'X' -	RESERVED	36719202
		00040		5989+CVTRV411 EQU	X'40' , , C'X' -	RESERVED	36719602
		00020		5990+CVTRV412 EQU	X'20' , , C'X' -	RESERVED	36720002
		00010		5991+CVTRV413 EQU	X'10' , , C'X' -	RESERVED	36720402
		00008		5992+CVTRV414 EQU	X'08' , , C'X' -	RESERVED	36720502
		00004		5993+CVTRV415 EQU	X'04' , , C'X' -	RESERVED	36720602
		00002		5994+CVTRV416 EQU	X'02' , , C'X' -	RESERVED	36726402
		00001		5995+CVTRV417 EQU	X'01' , , C'X' -	RESERVED	36728402
000036				5996+CVTRV418 DS	XL1 -	RESERVED	36730402
000037				5997+CVTRV419 DS	XL1 -	RESERVED	36730802
000038				5998+CVTRV420 DS	AL2 -	RESERVED	36731202
00003A				5999+CVTRV421 DS	H -	RESERVED	36731602
00003C				6000+CVTRV422 DS	H -	RESERVED	36732002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
00003E				6001+CVTRV423	DS	H -	RESERVED 36732102
000040				6002+CVTATCVT	DS	A -	POINTER TO VTAM'S CVT MDC080 36732202
		00080		6003+CVTATACT	EQU	X'80'	IF ON, VTAM IS ACTIVE MDC081 36736102
000044				6004+CVTRV425	DS	A -	RESERVED 36744002
000048				6005+CVTRV426	DS	A -	RESERVED 36782302
00004C				6006+CVTRV427	DS	A -	RESERVED 36792302
000050				6007+CVTRV428	DS	F -	RESERVED 36802302
000054				6008+CVTRV429	DS	B -	RESERVED 36812302
		00080		6009+CVTRV430	EQU	X'80' , , C'X' -	RESERVED 36822302
		00040		6010+CVTRV431	EQU	X'40' , , C'X' -	RESERVED 36824302
		00020		6011+CVTRV432	EQU	X'20' , , C'X' -	RESERVED 36826302
		00010		6012+CVTRV433	EQU	X'10' , , C'X' -	RESERVED 36828302
		00008		6013+CVTRV434	EQU	X'08' , , C'X' -	RESERVED 36830302
		00004		6014+CVTRV435	EQU	X'04' , , C'X' -	RESERVED 36830702
		00002		6015+CVTRV436	EQU	X'02' , , C'X' -	RESERVED 36831102
		00001		6016+CVTRV437	EQU	X'01' , , C'X' -	RESERVED 36831502
000055				6017+CVTRV438	DS	B -	RESERVED 36831902
		00080		6018+CVTRV439	EQU	X'80' , , C'X' -	RESERVED 36832002
		00040		6019+CVTRV440	EQU	X'40' , , C'X' -	RESERVED 36832102
		00020		6020+CVTRV441	EQU	X'20' , , C'X' -	RESERVED 36832202
		00010		6021+CVTRV442	EQU	X'10' , , C'X' -	RESERVED 36848902
		00008		6022+CVTRV443	EQU	X'08' , , C'X' -	RESERVED 36858902
		00004		6023+CVTRV444	EQU	X'04' , , C'X' -	RESERVED 36860902
		00002		6024+CVTRV445	EQU	X'02' , , C'X' -	RESERVED 36862902
		00001		6025+CVTRV446	EQU	X'01' , , C'X' -	RESERVED 36864902
000056				6026+CVTRV447	DS	XL1 -	RESERVED 36865302
000057				6027+CVTRV448	DS	XL1 -	RESERVED 36865402
000058				6028+CVTRV449	DS	AL2 -	RESERVED 36865502
00005A				6029+CVTRV450	DS	H -	RESERVED 36871102
00005C				6030+CVTRV451	DS	H -	RESERVED 36873102
00005E				6031+CVTRV452	DS	H -	RESERVED 36875102
000060				6032+CVTRV453	DS	A -	RESERVED 36875502
000064				6033+CVTRV454	DS	A -	RESERVED 36875902
000068				6034+CVTRV455	DS	A -	RESERVED 36876302
00006C				6035+CVTRV456	DS	A -	RESERVED 36876402
000070				6036+CVTRV457	DS	B -	RESERVED 36876502
		00080		6037+CVTRV458	EQU	X'80' , , C'X' -	RESERVED 36876602
		00040		6038+CVTRV459	EQU	X'40' , , C'X' -	RESERVED 36890502
		00020		6039+CVTRV460	EQU	X'20' , , C'X' -	RESERVED 36900502
		00010		6040+CVTRV461	EQU	X'10' , , C'X' -	RESERVED 36902502
		00008		6041+CVTRV462	EQU	X'08' , , C'X' -	RESERVED 36902902
		00004		6042+CVTRV463	EQU	X'04' , , C'X' -	RESERVED 36903302
		00002		6043+CVTRV464	EQU	X'02' , , C'X' -	RESERVED 36903702
		00001		6044+CVTRV465	EQU	X'01' , , C'X' -	RESERVED 36904102
000071				6045+CVTRV466	DS	B -	RESERVED 36904202
		00080		6046+CVTRV467	EQU	X'80' , , C'X' -	RESERVED 36904302
		00040		6047+CVTRV468	EQU	X'40' , , C'X' -	RESERVED 36904402
		00020		6048+CVTRV469	EQU	X'20' , , C'X' -	RESERVED 36909002
		00010		6049+CVTRV470	EQU	X'10' , , C'X' -	RESERVED 36911002
		00008		6050+CVTRV471	EQU	X'08' , , C'X' -	RESERVED 36913002
		00004		6051+CVTRV472	EQU	X'04' , , C'X' -	RESERVED 36913402
		00002		6052+CVTRV473	EQU	X'02' , , C'X' -	RESERVED 36913502
		00001		6053+CVTRV474	EQU	X'01' , , C'X' -	RESERVED 36913602
000072				6054+CVTRV475	DS	XL1 -	RESERVED 36913702
000073				6055+CVTRV476	DS	XL1 -	RESERVED 36918302

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
000074				6056+CVTRV477	DS	XL1 - RESERVED	36920302
000075				6057+CVTRV478	DS	XL1 - RESERVED	36922302
000076				6058+CVTRV479	DS	H - RESERVED	36922702
000078				6059+CVTRV480	DS	A - RESERVED	36922802
00007C				6060+CVTRV481	DS	A - RESERVED	36922902
000080				6061+CVTRV482	DS	A - RESERVED	36923002
				6062+*			36923102
				6063+*		END OF CVT	36927702
				6064+	POP	PRINT	36932302

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				6066	IKJTCB DSECT=YES,LIST=YES Task Control Block	LB1010g
				6067+*/	%TCBL1 : ;	00310001
				6068+*/		*/ 00350001
				6069+*/	TASK CONTROL BLOCK	*/ 00400001
				6070+*/		*/ 00500001
				6071+*/	OS/VS2 SU64, 11/28/78, LEVEL=8	*/ 00510064
				6072+*/		*/ 00560001
				6073+*/	METHOD OF ACCESS	*/ 00570001
				6074+*/	BAL - A DSECT IS PRODUCED UNLESS DSECT=NO IS SPECIFIED.	*/ 00580001
				6075+*/	USING ON TCBFIX GIVES ADDRESSABILITY FOR ALL SYMBOLS	*/ 00590001
				6076+*/	IN PREFIX AND TCB PROPER. TO GET ADDRESSABILITY FOR	*/ 00600001
				6077+*/	THE OS/VS1 - OS/VS2 COMMON EXTENSION, YOU SHOULD	*/ 00610002
				6078+*/	CODE	*/ 00620002
				6079+*/		*/ 00622002
				6080+*/	L REG,TCBEXT2	*/ 00630001
				6081+*/	USING TCBXTNT2,REG	*/ 00640001
				6082+*/	WHERE REG IS ANY REGISTER OTHER THAN ZERO.	*/ 00650001
				6083+*/		*/ 00660001
				6084+*/	THIS MACRO ASSUMES A DEFAULT OF SYS=AOS2 WHICH MEANS	*/ 00670001
				6085+*/	A MAPPING OF AN OS/VS2 TCB IS DESIRED. IF A MAPPING	*/ 00680002
				6086+*/	OF AN OS/VS1 TCB IS DESIRED, PUT SYS=AOS1 AS A	*/ 00690002
				6087+*/	PARAMETER ON THE MACRO CALL. IF A MAPPING OF THE	*/ 00700001
				6088+*/	TCB FOR BOTH OS/VS1 AND OS/VS2 IS DESIRED, PUT	*/ 00710002
				6089+*/	SYS=BOTH AS A PARAMETER.	*/ 00720001
				6090+*/		*/ 00730001
				6091+*/	PL/S - DCL TCBPTR PTR	*/ 00740001
				6092+*/		*/ 00750001
				6093+*/	THIS MACRO ASSUMES IT IS MAPPING AN OS/VS2 TCB. IF	*/ 00760002
				6094+*/	AN OS/VS1 TCB MAPPING IS DESIRED, SPECIFY	*/ 00770002
				6095+*/	%TCBSYSTEM='AOS1' OR IF A MAPPING OF THE TCB FOR	*/ 00780002
				6096+*/	BOTH OS/VS1 AND OS/VS2 IS DESIRED, SPECIFY	*/ 00790002
				6097+*/	%TCBSYSTEM='BOTH' BEFORE THE INCLUDE FOR THIS MACRO.	*/ 00800002
				6098+*/	DO NOT SET TCBSYSTEM TO 'AOS2' BECAUSE NULL MEANS	*/ 00810002
				6099+*/	OS/VS2.	*/ 00820001
				6100+*/		*/ 00830001
				6101+*/	MACRO VARIABLE TCBLLEN IS SET TO THE LENGTH OF THE	*/ 00840001
				6102+*/	TCB INCLUDING THE PREFIX. TCBLLEN IS VALID IF	*/ 00850002
				6103+*/	TCBSYSTEM IS 'AOS1' OR '' (OS/VS2), BUT IT IS NOT	*/ 00860001
				6104+*/	VALID IF TCBSYSTEM='BOTH'.	*/ 00910002
				6105+*/		*/ 00960002
				6106+*/	F.E.'S	*/ 00970002
				6107+*/	MICROFICHE LISTING - IKJTCB	*/ 00980002
				6108+*/		*/ 00990002
				6109+*/	DEVELOPERS	*/ 00992002
				6110+*/	BAL LISTING - SPECIFY LIST=YES ON MACRO CALL.	*/ 00994002
				6111+*/	PL/S LISTING - SPECIFY %IHALIST='YES' BEFORE INCLUDE.	*/ 00996002
				6112+*/		*/ 00998002
				6113+*/	FOR INTEGRATION, A LISTING SHOULD NOT BE REQUESTED.	*/ 00998300
				6114+*/		*/ 00998600
				6115+*/	CHANGE-ACTIVITY	*/ 00998900
				6116+*/	OZ63673 CHANGE TCBDDBTB TO TCBVAT @ZA63673	*/ 00999000
				6117+*/	OZ67167 DEFINE TCB NONDISPATCHABILITY BIT IN	*/ 00999100
				6118+*/	SUPPORT OF OZ50029. @ZA67167	*/ 00999200
				6119+*/		*/ 00999500
				6120+*/	*****	*/ 00999500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				6121+*		01000001
				6122+*%GOTO TCBL2; /*		01010001
				6123+ PUSH PRINT		01012002
				6124+*		01020001
				6125+*	TCB PREFIX	01100003
				6126+*		01170003
000000				6127+TCBFIX DSECT , -	TCBPTR-32	01300001
				6128+*		01400003
000000				6129+TCBFRS DS	0CL32 - FLOATING POINT REGISTER SAVE AREA	01500001
000000				6130+TCBFRS0 DS	D - SAVE AREA FOR FLOATING POINT REGISTER 0	01600001
000008				6131+TCBFRS2 DS	D - SAVE AREA FOR FLOATING POINT REGISTER 2	01700001
000010				6132+TCBFRS4 DS	D - SAVE AREA FOR FLOATING POINT REGISTER 4	01800001
000018				6133+TCBFRS6 DS	D - SAVE AREA FOR FLOATING POINT REGISTER 6	01900001
		00020		6134+TCBPXLEN EQU	*-TCBFIX LENGTH OF PREFIX SECTION	01950001
				6135+*		02000003
				6136+*	TCB PROPER	02080003
				6137+*		02160003
000020				6138+ DS	0D	02250001
		00020		6139+TCB EQU	* - TCBPTR	02372001
				6140+*		02400003
000020				6141+TCBRBP DS	A - ADDRESS OF THE RB FOR EXECUTING PROGRAM	02500002
000024				6142+TCBPIE DS	0A - ADDRESS OF SPIE CONTROL AREA. THE FIRST WORD OF	02600002
				6143+*	THIS AREA CONTAINS THE PROGRAM INTERRUPT ELEMENT	02610002
				6144+*	(PIE) ADDRESS. MDC024	02620002
000024				6145+TCBPMASK DS	B - SPIE BITS	02650001
		0000F		6146+TCBPM EQU	X'0F' - PROGRAM MASK AT TIME OF SPIE INITIATION. MASK	02660001
				6147+*	RESTORED AT TIME OF SPIE NULLIFICATION.	02670001
000025				6148+TCBPIEA DS	AL3 - ADDRESS OF SPIE CONTROL AREA. THE FIRST WORD OF	02680002
				6149+*	THIS AREA CONTAINS THE PROGRAM INTERRUPT ELEMENT	02690002
				6150+*	(PIE) ADDRESS. MDC024	02692002
000028				6151+TCBDEB DS	A - ADDRESS OF THE DEB QUEUE	02700002
00002C				6152+TCBTIO DS	A - ADDRESS OF THE TASK I/O TABLE (TIOT)	02800002
000030				6153+TCBCMP DS	0BL4 - TASK COMPLETION CODE AND INDICATORS	02900002
000030				6154+TCBCMPF DS	B - INDICATOR FLAGS	03000002
		00080		6155+TCBCREQ EQU	X'80' - A DUMP HAS BEEN REQUESTED	03100001
		00040		6156+TCBCSTEP EQU	X'40' - A STEP ABEND HAS BEEN REQUESTED	03200001
		00020		6157+TCBCPP EQU	X'20' - SOME PROBLEM PROGRAM STORAGE WAS OVERLAID BY THE	03300002
				6158+*	SECOND LOAD OF ABEND. A FIRST LOAD OVERLAY IS	03350002
				6159+*	INDICATED IN TCBFLGS FIELD (OFFSET 29 DECIMAL).	03400002
				6160+*	(OS/VS1) MDC054	03450002
		00020		6161+TCBDMP0 EQU	X'20' - DUMP OPTIONS WERE PROVIDED ON CALLRTM OR SETRP	03510002
				6162+*	MACRO (OS/VS2) MDC060	03520002
		00010		6163+TCBSTCC EQU	X'10' - COMPLETION CODE IS NOT TO BE STORED IN TCBCMPC	03550001
				6164+*	(OFFSET 17 DECIMAL) IF AN ABEND IS ENCOUNTERED.	03552002
				6165+*	THIS IS TO PREVENT AN OVERLAY OF THE ORIGINAL	03560002
				6166+*	COMPLETION CODE. (OS/VS1) MDC055	03570002
		00010		6167+TCBNOCC EQU	X'10' - A COMPLETION CODE WAS NOT PROVIDED ON CALLRTM	03590002
				6168+*	MACRO. A DEFAULT CODE IS BEING USED.	03592002
				6169+*	(OS/VS2) MDC061	03594002
		00008		6170+TCBCDBL EQU	X'08' - A DOUBLE ABEND HAS OCCURRED (OS/VS1) MDC056	03600002
		00008		6171+TCBCASID EQU	X'08' - ABEND WAS SCHEDULED VIA CROSS MEMORY ABTERM	03650002
				6172+*	(OS/VS2) MDC062	03660002
		00004		6173+TCBCWTO EQU	X'04' - A DUMP MESSAGE (WTO) IS TO BE ISSUED TO THE	03700002
				6174+*	OPERATOR (OS/VS1) MDC057	03750002
		00004		6175+TCBRV316 EQU	X'04',,C'X' - RESERVED FOR CALLRTM FLAG (OS/VS2) MDC063	03760002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
			00002	6176+TCBCIND EQU	X'02' - ABEND TO OUTPUT AN INDICATIVE DUMP (OS/VS1)	03800003
				6177+*	(MDC303) @X04DA9A	03830003
			00002	6178+TCBRV317 EQU	X'02',,C'X' - RESERVED FOR CALLRTM FLAG (OS/VS2)	MDC063 03860002
			00001	6179+TCBCMSG EQU	X'01' - AN ABEND MESSAGE IS PROVIDED TO BE PRINTED BY	03900002
				6180+*	ABDUMP (OS/VS1) MDC059	03950002
			00001	6181+TCBRV318 EQU	X'01',,C'X' - RESERVED FOR CALLRTM FLAG (OS/VS2)	MDC063 03960002
000031				6182+TCBCMPC DS	BL3 - SYSTEM COMPLETION CODE IN FIRST 12 BITS,	04000002
				6183+*	USER COMPLETION CODE IN LAST 12 BITS	04100002
000034				6184+TCBTRN DS	0A - ADDRESS OF TESTRAN CONTROL CORE TABLE	04200002
000034				6185+TCBABF DS	B - FLAG BYTE	04300001
		00080		6186+TCBMOD91 EQU	X'80' - BOTH TESTRAN AND DECIMAL SIMULATOR ON A MOD 91	04400001
		00040		6187+TCBNOCHK EQU	X'40' - SUPPRESS TAKING CHECKPOINTS FOR THIS STEP	04500001
				6188+*	(JOB STEP TCB)	04600001
		00020		6189+TCBGRPH EQU	X'20' - THIS IS A GRAPHICS FOREGROUND JOB OR THE	04700002
				6190+*	GRAPHIC JOB PROCESSOR	04700402
		00010		6191+TCBRV01 EQU	X'10',,C'X' - RESERVED	04701001
		00008		6192+TCBTCPP EQU	X'08' - TCAM POST-PENDING (RORI)	04800001
		00004		6193+TCBTCP EQU	X'04' - TEST TASK - USED BY TEST SVC	04900001
		00002		6194+TCBOLTEP EQU	X'02' - OLTEP FUNCTIONS REQUIRE CLEANUP BEFORE ABNORMAL	05000002
				6195+*	TERMINATION CAN BE INVOKED	05100001
		00001		6196+TCBRV02 EQU	X'01',,C'X' - RESERVED	05101001
000035				6197+TCBTRNB DS	AL3 - ADDRESS OF TESTRAN CONTROL CORE TABLE	05200002
000038				6198+TCBMSS DS	0A - FOR JOB STEP TCB, ADDRESS OF THE BOUNDARY BOX.	05300002
				6199+*	FOR SUBTASK TCB, ADDRESS OF THE GOTTEN SUBTASK	05350002
				6200+*	AREA QUEUE ELEMENT (GQE). A GQE IS PRESENT	05360002
				6201+*	ONLY IF THE SYSTEM HAS ISSUED A GETMAIN MACRO	05370002
				6202+*	INSTRUCTION FOR THE SPACE. (OS/VS1)	05380002
				6203+*	ADDRESS OF LAST SPQE ON MSS QUEUE (OS/VS2)	05400002
000038				6204+TCBRV03 DS	X - ** TCBNROC FIELD UNUSED IN OS/VS **	05500002
000039				6205+TCBMSSB DS	AL3 - FOR JOB STEP TCB, ADDRESS OF THE BOUNDARY BOX.	05700002
				6206+*	FOR SUBTASK TCB, ADDRESS OF THE GOTTEN SUBTASK	05750002
				6207+*	AREA QUEUE ELEMENT (GQE). A GQE IS PRESENT	05800002
				6208+*	ONLY IF THE SYSTEM HAS ISSUED A GETMAIN MACRO	05850002
				6209+*	INSTRUCTION FOR THE SPACE. (OS/VS1)	05860002
				6210+*	ADDRESS OF LAST SPQE ON MSS QUEUE (OS/VS2)	05870002
00003C				6211+TCBPKF DS	B - STORAGE PROTECTION KEY FOR THIS TASK. IF THERE	05900002
				6212+*	IS NO STORAGE PROTECTION, ALL BITS ARE ZERO.	05950002
		000F0		6213+TCBFLAG EQU	X'F0' - STORAGE PROTECTION KEY	06000002
		0000F		6214+TCBZERO EQU	X'0F' - MUST BE ZERO	06100002
00003D				6215+TCBFLGS DS	0BL5 - FLAG BYTE FIELDS	06200002
00003D				6216+TCBFLGS1 DS	B - FIRST TCB FLAG BYTE	06300001
		00080		6217+TCBFA EQU	X'80' - ABNORMAL TERMINATION IN PROGRESS	06400001
		00040		6218+TCBFE EQU	X'40' - NORMAL TERMINATION IN PROGRESS	06500001
		00020		6219+TCBFERA EQU	X'20' - ENTER ABEND ERASE ROUTINE WHEN IN CONTROL AGAIN	07200001
				6220+*	(OS/VS2)	07250002
		00010		6221+TCBNONPR EQU	X'10' - TASK IS NON-PREEMPTABLE (OS/VS2)	07251004
				6222+*	(MDC320) @Z40FP9A	07291004
		00008		6223+TCBPDUMP EQU	X'08' - PREVENT DUMP INDICATOR (OS/VS2)	07400002
		00004		6224+TCBFT EQU	X'04' - TOP TASK IN TREE BEING ABTERMED (OS/VS2)	07500002
		00002		6225+TCBFS EQU	X'02' - ABTERM DUMP COMPLETED (OS/VS2)	07700002
				6226+*	PROBLEM PROGRAM STORAGE HAS BEEN OVERLAID TO	07800002
				6227+*	PROCESS ABEND (OS/VS1)	07850002
		00001		6228+TCBFX EQU	X'01' - PROHIBIT QUEUEING OF ASYNCHRONOUS EXITS FOR	07900002
				6229+*	THIS TASK	07950002
00003E				6230+TCBFLGS2 DS	B - SECOND FLAG BYTE	08100001

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
			00080	6231+TCBFOINP EQU	X'80' - THE TASK IS ABENDING AND IS IN THE PROCESS OF	08600002
				6232+*	(1) OPEN FOR DUMP DATA SET PROCESSING,	08610002
				6233+*	(2) CLOSE FOR USER DATA SET OR	08620002
				6234+*	(3) PURGE FOR ENQ'ED RESOURCES. THIS BIT IS	08630002
				6235+*	USED IN CONJUNCTION WITH TCBSTACK.	08640002
				6236+*	(OS/VS2) ICB374	08650002
			00040	6237+TCBFSTI EQU	X'40' - SECOND JOB STEP INTERVAL HAS EXPIRED	08800001
				6238+*	(OS/VS2 INITIATOR TCB)	08900002
			00020	6239+TCBFABOP EQU	X'20' - IF 1, THE SYSABEND DUMP DATA SET HAS BEEN OPENED	08950002
				6240+*	FOR ABEND. IF 0, THE SYSUDUMP DUMP DATA SET WAS	09000002
				6241+*	OPENED. THIS BIT IS ONLY USED FOR THE JOB STEP	09100001
				6242+*	TCB AND IS USED IN CONJUNCTION WITH TCBFDSOP	09150001
				6243+*	BIT. (OS/VS2) (ICB482) YM0651	09160001
			00010	6244+TCBFSMC EQU	X'10' - TASK HAS ISSUED A SYSTEM-MUST-COMPLETE AND SET	09200002
				6245+*	ALL OTHER TASKS IN THE SYSTEM NON-DISPATCHABLE	09300002
			00008	6246+TCBFJMC EQU	X'08' - TASK HAS ISSUED A STEP-MUST-COMPLETE AND TURNED	09400002
				6247+*	OFF ALL OTHER TASKS IN THE STEP	09500001
			00004	6248+TCBFDSOP EQU	X'04' - SYSABEND OPEN FOR JOB STEP (OS/VS2)	10000002
			00002	6249+TCBFETXR EQU	X'02' - ETXR TO BE SCHEDULED	10200001
			00001	6250+TCBFTS EQU	X'01' - THIS TASK IS A MEMBER OF A TIME-SLICED GROUP	10300002
00003F				6251+TCBFLGS3 DS	B - THIRD FLAG BYTE	10500001
			00080	6252+TCBFMS EQU	X'80' - ALL PSW'S IN SUPERVISOR STATE (OS/VS2)	10600002
			00040	6253+TCBADINP EQU	X'40' - USED IN CONJUNCTION WITH TCBONDSP. FLAG	11850001
				6254+*	INDICATING THAT ABDUMP IS CURRENTLY PROCESSING	11860001
				6255+*	FOR SOME TASK IN JOB STEP. A HIGHER LEVEL TASK	11870001
				6256+*	IS NOT ALLOWED TO ENTER MAINLINE ABEND	11880001
				6257+*	PROCESSING IF THIS BIT IS SET IN JOB STEP TCB	11890001
				6258+*	UNLESS JOB STEP TASK IS FAILING. BIT SET ONLY	11892001
				6259+*	IN JOB STEP TCB AND TASK INVOKING ABDUMP.	11894001
				6260+*	(OS/VS2)	11896002
			00020	6261+TCBABTRM EQU	X'20' - ABTERM BIT TO PREVENT MULTIPLE ABENDS (OS/VS2)	11900002
			00010	6262+TCBABGM EQU	X'10' - GETMAIN IS TO DEFAULT LSQA REQUESTS TO SQA	11950001
				6263+*	REQUESTS WHEN REQUEST CANNOT BE SATISFIED FROM	12000001
				6264+*	LSQA (OS/VS2)	12050002
			00008	6265+TCBRVS06 EQU	X'08' , , C'X' - RESERVED (OS/VS2)	12051002
			00004	6266+TCBRVS07 EQU	X'04' , , C'X' - RESERVED (OS/VS2)	12052002
			00002	6267+TCBRVS08 EQU	X'02' , , C'X' - RESERVED (OS/VS2)	12053002
			00001	6268+TCBDWSTA EQU	X'01' - THIS TASK WAS DETACHED WITH STAE=YES OPTION	12060001
				6269+*	(OS/VS2) ICB315	12070002
000040				6270+TCBFLGS4 DS	B - NON-DISPATCHABILITY FLAGS (OS/VS2)	13100002
				6271+*	RESERVED BYTE (OS/VS1)	13150002
			00080	6272+TCBNDUMP EQU	X'80' - ABDUMP NON-DISPATCHABILITY INDICATOR	13300002
			00040	6273+TCBSER EQU	X'40' - SER1 NON-DISPATCHABILITY INDICATOR	13400002
			00020	6274+TCBRQENA EQU	X'20' - I/O RQE'S EXHAUSTED	13500001
			00010	6275+TCBHNDSP EQU	X'10' - TASK OR JOB STEP IS MOMENTARILY 'FROZEN' UNTIL	13502001
				6276+*	THE REQUIRED RESOURCES ARE AVAILABLE. THE BIT	13504001
				6277+*	IS SET THROUGH THE USE OF THE 'STATUS' SVC	13506001
				6278+*	ICB453	13508001
			00008	6279+TCBUXNDV EQU	X'08' - TASK IS TEMPORARILY NON-DISPATCHABLE BECAUSE	13510001
				6280+*	SMF TIME LIMIT OR SYSOUT LIMIT USER EXIT	13520001
				6281+*	ROUTINE IS BEING EXECUTED FOR THIS STEP	13530002
			00004	6282+TCBMPCVQ EQU	X'04' - VARY OR QUIESCE IN MULTIPROCESSING SYSTEM	13600001
			00002	6283+TCBMPCND EQU	X'02' - M65 MULTIPROCESSING NON-DISPATCHABILITY	13700002
				6284+*	INDICATOR FOR ALL CPU'S	13800002
			00001	6285+TCBONDSP EQU	X'01' - TASK TERMINATING AND NON-DISPATCHABLE BECAUSE	13900002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				6286+*	EITHER OPEN FOR DUMP DATA SET IS IN PROCESS OR	14000001
				6287+*	CLOSE BY ABEND IS IN PROCESS	14100001
000041				6288+TCBFLGS5 DS B -	MORE NON-DISPATCHABILITY FLAGS. IF ANY BIT IN	14200002
				6289+*	THIS BYTE IS 1, THE TASK IS NON-DISPATCHABLE.	14250002
		00080		6290+TCBFC EQU X'80' -	TASK TERMINATED (OS/VS2)	14400002
		00040		6291+TCBABWF EQU X'40' -	ABNORMAL WAIT (OS/VS2)	14500002
		00040		6292+TCBUXNDF EQU X'40' -	TASK IS TEMPORARILY NON-DISPATCHABLE BECAUSE	14510002
				6293+*	SMF TIME LIMIT OR SYSOUT LIMIT USER EXIT ROUTINE	14520001
				6294+*	IS BEING EXECUTED FOR THIS STEP. THIS BIT IS	14530002
				6295+*	SET TO 1 IN ALL TCB'S EXCEPT JOB STEP TCB.	14532002
				6296+*	(OS/VS1) ICB263	14540002
		00020		6297+TCBPAGE EQU X'20' -	TASK IS NON-DISPATCHABLE DUE TO EXCESSIVE PAGING	14600002
				6298+*	RATE	14650001
		00010		6299+TCBANDSP EQU X'10' -	TASK IS TEMPORARILY NON-DISPATCHABLE BECAUSE IT	14700002
				6300+*	WAS ATTACHED UNDER THE DISP=NO OPERAND	14750002
		00008		6301+TCBSYS EQU X'08' -	ANOTHER TASK IS IN SYSTEM-MUST-COMPLETE STATUS	14800002
				6302+*	OR A SUMMARY BIT FOR FIELD TCBSYSCT	14850002
		00004		6303+TCBSTP EQU X'04' -	ANOTHER TASK IN THIS JOB STEP IS IN	14900002
				6304+*	STEP-MUST-COMPLETE STATUS	15000002
		00002		6305+TCBFCD1 EQU X'02' -	INITIATOR WAITING FOR REGION (OS/VS2)	15100002
		00001		6306+TCBPNDSP EQU X'01' -	PRIMARY NON-DISPATCHABILITY BIT. THIS BIT IS	15200002
				6307+*	SET TO 1 IF ANY OF THE SECONDARY	15250002
				6308+*	NON-DISPATCHABILITY BITS (OFFSETS 173, 174, 175,	15300002
				6309+*	200 OR 201 DECIMAL) IS SET TO 1. THIS BIT IS	15350002
				6310+*	SET TO 0 IF A SECONDARY NON-DISPATCHABILITY BIT	15360002
				6311+*	IS SET TO 0 AND ALL OTHER SECONDARY	15370002
				6312+*	NON-DISPATCHABILITY BITS ARE 0.	15380002
000042				6313+TCBLMP DS FL1 -	TASK LIMIT PRIORITY (OS/VS2)	15400002
				6314+*	NUMBER OF RESOURCES FOR WHICH THIS TASK IS	15600002
				6315+*	ENQUEUED (OS/VS1)	15650002
000043				6316+TCBDSP DS FL1 -	DISPATCHING PRIORITY FOR THIS TASK	15800002
000044				6317+TCBLLS DS A -	ADDRESS OF LAST LOAD LIST ELEMENT (LLE) IN LOAD	15900002
				6318+*	LIST (OS/VS2)	15950002
				6319+*	ADDRESS OF THE PREFIX OF THE MOST RECENTLY ADDED	16100002
				6320+*	REQUEST BLOCK (RB-8) ON THE LIST OF PROGRAMS	16110002
				6321+*	LOADED VIA THE LOAD MACRO INSTRUCTION (OS/VS1)	16150002
				6322+*	MDC070	16200002
000048				6323+TCBJLB DS A -	ADDRESS OF A JOBLIB DCB	16300002
00004C				6324+TCBJPQ DS 0A -	ADDRESS OF LAST CDE FOR JOB PACK AREA (JPA)	16800002
				6325+*	CONTROL QUEUE (OS/VS2)	16850002
00004C				6326+TCBPURGE DS B -	PURGE FLAGS (OS/VS2)	17000002
		00080		6327+TCBJPQF EQU X'80' -	JPQ PURGE FLAG	17200001
		00040		6328+TCBRVS09 EQU X'40' , , C'X' -	RESERVED	17201001
		00020		6329+TCBRVS10 EQU X'20' , , C'X' -	RESERVED	17202001
		00010		6330+TCBRVS11 EQU X'10' , , C'X' -	RESERVED	17203001
		00008		6331+TCBRVS12 EQU X'08' , , C'X' -	RESERVED	17204001
		00004		6332+TCBRVS13 EQU X'04' , , C'X' -	RESERVED	17205001
		00002		6333+TCBRVS14 EQU X'02' , , C'X' -	RESERVED	17206001
		00001		6334+TCBRVS15 EQU X'01' , , C'X' -	RESERVED	17207001
00004D				6335+TCBJPQB DS AL3 -	ADDRESS OF LAST CDE FOR JOB PACK AREA (JPA)	17700002
				6336+*	CONTROL QUEUE (OS/VS2)	17750002
000050				6337+TCBGRS DS 0CL64 -	GENERAL REGISTER SAVE AREA	17900001
000050				6338+TCBGRS0 DS F -	SAVE AREA FOR GENERAL REGISTER 0	18000001
000054				6339+TCBGRS1 DS F -	SAVE AREA FOR GENERAL REGISTER 1	18100001
000058				6340+TCBGRS2 DS F -	SAVE AREA FOR GENERAL REGISTER 2	18200001

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
00005C				6341+TCBGRS3	DS	F - SAVE AREA FOR GENERAL REGISTER 3	18300001
000060				6342+TCBGRS4	DS	F - SAVE AREA FOR GENERAL REGISTER 4	18400001
000064				6343+TCBGRS5	DS	F - SAVE AREA FOR GENERAL REGISTER 5	18500001
000068				6344+TCBGRS6	DS	F - SAVE AREA FOR GENERAL REGISTER 6	18600001
00006C				6345+TCBGRS7	DS	F - SAVE AREA FOR GENERAL REGISTER 7	18700001
000070				6346+TCBGRS8	DS	F - SAVE AREA FOR GENERAL REGISTER 8	18800001
000074				6347+TCBGRS9	DS	F - SAVE AREA FOR GENERAL REGISTER 9	18900001
000078				6348+TCBGRS10	DS	F - SAVE AREA FOR GENERAL REGISTER 10	19000001
00007C				6349+TCBGRS11	DS	F - SAVE AREA FOR GENERAL REGISTER 11	19100001
000080				6350+TCBGRS12	DS	F - SAVE AREA FOR GENERAL REGISTER 12	19200001
000084				6351+TCBGRS13	DS	F - SAVE AREA FOR GENERAL REGISTER 13	19300001
000088				6352+TCBGRS14	DS	F - SAVE AREA FOR GENERAL REGISTER 14	19400001
00008C				6353+TCBGRS15	DS	F - SAVE AREA FOR GENERAL REGISTER 15	19500001
000090				6354+TCBFSA	DS	0A - ADDRESS OF THE FIRST PROBLEM PROGRAM SAVE AREA	19600002
000090				6355+TCBQEL	DS	FL1 - ENQUEUE COUNT (OS/VS2)	20100002
000091				6356+TCBFSA	DS	AL3 - ADDRESS OF THE FIRST PROBLEM PROGRAM SAVE AREA	20300002
000094				6357+TCBTCB	DS	A - ADDRESS OF NEXT TCB OF LOWER PRIORITY ON THE	20400002
				6358+*		READY QUEUE	20450002
000098				6359+TCBTME	DS	A - ADDRESS OF THE TIMER QUEUE ELEMENT (TQE)	20600002
		00080		6360+TCBTQET	EQU	X'80' - IF ZERO, TASK TYPE TQE.	20650002
				6361+*		IF ONE, REAL/WAIT TYPE TQE.	MDC028 20660002
00009C				6362+TCBJSTCB	DS	0A - ADDRESS OF FIRST JOB STEP TCB	22500002
				6363+*		OR OF THIS TCB IF KEY ZERO (OS/VS2)	22600002
00009C				6364+TCBRSV16	DS	X - RESERVED	22700001
00009D				6365+TCBJSTCA	DS	AL3 - ADDRESS OF FIRST JOB STEP TCB	22800002
				6366+*		OR OF THIS TCB IF KEY ZERO (OS/VS2)	22900002
0000A0				6367+TCBNTE	DS	A - ADDRESS OF THE TCB FOR THE TASK PREVIOUSLY	23100002
				6368+*		ATTACHED BY THE TASK THAT ATTACHED THIS TASK.	23150002
				6369+*		FOR EXAMPLE, IF TASK A ATTACHED TASK B AND THEN	23200002
				6370+*		TASK C, THIS FIELD IN TASK C'S TCB POINTS TO	23250002
				6371+*		TASK B'S TCB, AND THIS FIELD IN TASK B'S TCB	23300002
				6372+*		IS ZERO.	23350002
0000A4				6373+TCBOTC	DS	A - ADDRESS OF THE TCB FOR THE TASK (THE ORIGINATING	23400002
				6374+*		TASK) THAT ATTACHED THIS TASK. THIS FIELD IS	23450002
				6375+*		ZERO IN THE TCB FOR A SYSTEM TASK.	23500002
0000A8				6376+TCBLTC	DS	A - ADDRESS OF THE TCB FOR THE TASK LAST ATTACHED BY	23600002
				6377+*		THIS TASK. NOTE - IF A TASK (THE ORIGINATING	23650002
				6378+*		TASK) HAS ATTACHED OTHER TASKS, THE TCB'S FOR	23700002
				6379+*		THE OTHER TASKS ARE ON THE SUBTASK QUEUE OF THE	23750002
				6380+*		ORIGINATING TASK. TCBLTC IN THE TCB FOR THE	23760002
				6381+*		ORIGINATING TASK POINTS TO THE LAST TCB (THE	23770002
				6382+*		TCB FOR THE LAST ATTACHED TASK) IN THE SUBTASK	23780002
				6383+*		QUEUE. IN EACH TCB ON THE SUBTASK QUEUE,	23790002
				6384+*		EXCEPT THE FIRST TCB, TCBNTC POINTS TO THE	23792002
				6385+*		PRECEDING TCB ON THE QUEUE.	23794002
0000AC				6386+TCBIQE	DS	A - ADDRESS OF AN INTERRUPTION QUEUE ELEMENT (IQE)	23800002
				6387+*		FOR SCHEDULING THE ETXR ROUTINE OF THE TASK	23850002
				6388+*		THAT ATTACHED THIS TASK.	23900002
0000B0				6389+TCBECB	DS	A - ADDRESS OF THE ECB THAT WILL BE POSTED BY THE	24000002
				6390+*		SUPERVISOR'S TASK TERMINATION ROUTINES WHEN	24050002
				6391+*		NORMAL OR ABNORMAL TERMINATION OCCURS.	24100002
0000B4				6392+TCBTSFLG	DS	B - TIME SHARING FLAGS	24200001
		00080		6393+TCBTSTSK	EQU	X'80' - SWAPPED TIME SHARING TASK (OS/VS1)	MDC013 24210002
		00080		6394+TCBRV300	EQU	X'80',,C'X' - RESERVED (WAS TCBTSTSK) (OS/VS2)	MDC013 24250002
		00040		6395+TCBSTPPR	EQU	X'40' - TASK SHOULD BE MADE NON-DISPATCHABLE VIA TCBSTPP	24400002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				6396+*	WHEN IT IS NO LONGER RUNNING A PRIVILEGED	24500002
				6397+*	PROGRAM	24550002
		00020		6398+TCBATT EQU	X'20' - TASK SHOULD NOT HAVE ATTENTION EXITS	24600001
				6399+*	SCHEDULED ON IT BY EXIT EFFECTOR	24700001
		00010		6400+TCBTIOTG EQU	X'10' - PURGE TGET/TPUT AFTER ATTENTION	24800001
		00008		6401+TCBRV17 EQU	X'08' , , C'X' - RESERVED	24801001
		00004		6402+TCBRV18 EQU	X'04' , , C'X' - RESERVED	24802001
		00002		6403+TCBDYDSP EQU	X'02' - M195 TASK IS MEMBER OF DYNAMIC DISPATCHING	24810001
				6404+*	GROUP ICB262	24820001
		00001		6405+TCBCPUBN EQU	X'01' - FOR M195, ZERO MEANS I/O BOUND AND ONE MEANS	24830001
				6406+*	CPU BOUND ICB262	24840001
0000B5				6407+TCBSTPCT DS	FL1 - NUMBER OF SETTASK STARTS WHICH MUST BE	24900001
				6408+*	ISSUED BEFORE TASK IS MADE DISPATCHABLE -	25000001
				6409+*	FIELD NOT RESTRICTED TO TSO	25100001
0000B6				6410+TCBTSLP DS	FL1 - LIMIT PRIORITY OF TIME SHARING TASK	25200002
0000B7				6411+TCBTSDP DS	B - DISPATCHING PRIORITY OF TIME SHARING TASK	25300002
0000B8				6412+TCBPQE DS	A - POINTER TO DPQE MINUS 8 FOR THE JOB STEP	25452002
				6413+*	(OS/VS2)	25452402
0000BC				6414+TCBAQE DS	A - LIST ORIGIN OF AQE(S) FOR THIS TASK (OS/VS2)	27200002
0000C0				6415+TCBSTAB DS	0A - ADDRESS OF THE CURRENT STAE CONTROL BLOCK	27400002
0000C0				6416+TCBNSTAE DS	B - FLAGS INTERNAL TO STAE ROUTINE	27500002
		00080		6417+TCBSTABE EQU	X'80' - ABEND ENTERED BECAUSE OF ERROR IN STAE	27600002
				6418+*	PROCESSING	27650002
		00040		6419+TCBQUIES EQU	X'40' - STAE INVOKED PURGE I/O ROUTINE WITH QUIESCE I/O	27700001
				6420+*	OPTION	27800001
		00020		6421+TCB33E EQU	X'20' - A 33E ABEND HAS OCCURRED FOR TASK (OS/VS2)	27900002
		00010		6422+TCBPPSUP EQU	X'10' - 1=SUPERVISOR MODE, 0=PROBLEM PROGRAM MODE.	27902064
				6423+*	INDICATOR TO SYNCH OF THE MODE OF THE USER	27904064
				6424+*	EXIT (OS/VS2) (MDC351) @ZM49654	27906064
		00008		6425+TCBHALT EQU	X'08' - PURGE I/O ROUTINE DID NOT SUCCESSFULLY QUIESCE	28200001
				6426+*	I/O, BUT I/O WAS HALTED	28300002
		00004		6427+TCBSYNCH EQU	X'04' - SYNCH ISSUED BY ASIR TO SCHEDULE EXIT ROUTINE	28400064
				6428+*	(OS/VS2) (MDC352) @ZM49654	28420064
		00002		6429+TCBRV301 EQU	X'02' , , C'X' - RESERVED (WAS TCBNPURG) (OS/VS2) MDC007	28460002
		00001		6430+TCBSTCUR EQU	X'01' - STAE RECURSION VALID (OS/VS2) ICB443	28700002
0000C1				6431+TCBSTABB DS	AL3 - ADDRESS OF THE CURRENT STAE CONTROL BLOCK	28900002
0000C4				6432+TCBTCT DS	0A - ADDRESS OF THE TIMING CONTROL TABLE (TCT) IF	29000003
				6433+*	SYSTEM MANAGEMENT FACILITIES (SMF) DATA IS BEING	29000203
				6434+*	COLLECTED FOR THE TASK. ZERO IF SMF DATA IS NOT	29000403
				6435+*	BEING COLLECTED FOR THE TASK OR FOR OS/VS1, IF	29000803
				6436+*	SMF IS NOT IN THE SYSTEM. (MDC305) @Z30AQ9A	29000904
0000C4				6437+TCBTCTGF DS	B - FLAG BYTE FOR TIMING CONTROL TABLE ICB318	29001002
		00080		6438+TCBSMFGF EQU	X'80' - IF ZERO, THE TCT CORE TABLE IS NOT TO BE	29002001
				6439+*	UPDATED BY GETMAIN/FREEMAIN.	29003001
				6440+*	IF ONE, THE TCT CORE TABLE IS TO BE UPDATED BY	29004001
				6441+*	GETMAIN/FREEMAIN. ICB318	29005001
		00040		6442+TCBRV20 EQU	X'40' , , C'X' - RESERVED	29006001
		00020		6443+TCBRV97 EQU	X'20' , , C'X' - RESERVED	29007001
		00010		6444+TCBRV98 EQU	X'10' , , C'X' - RESERVED	29008001
		00008		6445+TCBRV99 EQU	X'08' , , C'X' - RESERVED	29009001
		00004		6446+TCBRV9A EQU	X'04' , , C'X' - RESERVED	29010001
		00002		6447+TCBRV9B EQU	X'02' , , C'X' - RESERVED	29011001
		00001		6448+TCBRV9C EQU	X'01' , , C'X' - RESERVED	29012001
0000C5				6449+TCBTCTB DS	AL3 - ADDRESS OF THE TIMING CONTROL TABLE (TCT) IF	29200003
				6450+*	SYSTEM MANAGEMENT FACILITIES (SMF) DATA IS BEING	29220003

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				6451+*	COLLECTED FOR THE TASK. ZERO IF SMF DATA IS NOT	29240003
				6452+*	BEING COLLECTED FOR THE TASK OR FOR OS/VS1, IF	29260003
				6453+*	SMF IS NOT IN THE SYSTEM. (MDC305) @Z30AQ9A	29280004
0000C8				6454+TCBUSER DS	A - A WORD AVAILABLE TO THE USER	29300002
0000CC				6455+TCBSCNDY DS	0BL4 - SECONDARY NON-DISPATCHABILITY BITS. IF ANY BIT	30800002
				6456+*	IN THE FOLLOWING FOUR BYTES IS 1, THE PRIMARY	30900002
				6457+*	NON-DISPATCHABILITY BIT (OFFSET 33.7 DECIMAL)	30950002
				6458+*	IS 1, AND THE TASK IS NON-DISPATCHABLE.	31000002
0000CC				6459+TCBNDSP DS	0BL4 - SAME AS TCBSCNDY	31050001
0000CC				6460+TCBNDSP0 DS	B - BYTE 0	31060001
0000CD				6461+TCBNDSP1 DS	B - - BYTE 1	31100001
		00080		6462+TCBDARTN EQU	X'80' - THE TASK IS TEMPORARILY NON-DISPATCHABLE -	31200002
				6463+*	DAMAGE ASSESSMENT ROUTINE (DAR)	31300002
		00080		6464+TNONDISP EQU	TCBDARTN * ALIAS *	31400001
		00040		6465+TCBDARPN EQU	X'40' - THE TASK IS PERMANENTLY NON-DISPATCHABLE -	31500002
				6466+*	DAMAGE ASSESSMENT ROUTINE (DAR)	31600002
		00040		6467+PNONDISP EQU	TCBDARPN * ALIAS *	31700001
		00020		6468+TCBRSTND EQU	X'20' - THE TASK IS TEMPORARILY NON-DISPATCHABLE -	31800002
				6469+*	RECOVERY MANAGEMENT SUPPORT AND SYSTEM ERROR	31850002
				6470+*	RECOVERY (RMS/SER)	31900002
		00010		6471+TCBRSPND EQU	X'10' - THE TASK IS PERMANENTLY NON-DISPATCHABLE -	32000002
				6472+*	RECOVERY MANAGEMENT SUPPORT AND SYSTEM ERROR	32050002
				6473+*	RECOVERY (RMS/SER)	32100002
				6474+*	(IF THIS BIT IS ON THEN THE PREVIOUS BIT	32200002
				6475+*	MUST BE ON TOO)	32300002
		00008		6476+TCBDDRND EQU	X'08' - THE TASK IS IN DEVICE ALLOCATION AND DYNAMIC	32350002
				6477+*	DEVICE RECONFIGURATION (DDR) HAS MADE IT	32360002
				6478+*	NON-DISPATCHABLE -	32370002
				6479+*	RECOVERY MANAGEMENT SUPPORT AND SYSTEM ERROR	32380002
				6480+*	RECOVERY (RMS/SER) (OS/VS1)	32390002
		00004		6481+TCBTPSP EQU	X'04' - DISPATCHING OF TCAM TASK MUST BE DELAYED UNTIL	32400002
				6482+*	TCAM I/O APPENDAGE OR SVC ROUTINE HAS COMPLETED	32500002
				6483+*	EXECUTION (TCAM IN MULTIPROCESSING ENVIRONMENT)	32600002
		00002		6484+TCBPIEND EQU	X'02' - SRB IS TO BE SCHEDULED TO PERFORM PIE/PICA	32700402
				6485+*	PROCESSING (FIRST LEVEL INTERRUPT HANDLER)	32700802
				6486+*	MDC026	32701202
0000CE		00001		6487+TCBRV22 EQU	X'01',,C'X' - RESERVED	32702001
				6488+TCBNDSP2 DS	B - - BYTE 2	32800001
		00080		6489+TCBABD EQU	X'80' - ABDUMP IS PROCESSING (OS/VS1)	32900002
		00040		6490+TCBSTPP EQU	X'40' - TASK SET NON-DISPATCHABLE BY SETTASK	33100002
		00020		6491+TCBNDSVC EQU	X'20' - TASK IS NON-DISPATCHABLE BECAUSE SVC DUMP IS	33200002
				6492+*	EXECUTING FOR ANOTHER TASK	33300002
		00010		6493+TCBNDTTS EQU	X'10' - TASK IS NON-DISPATCHABLE BECAUSE IT IS BEING	33400002
				6494+*	SWAPPED OUT	33450002
		00008		6495+TCBIWAIT EQU	X'08' - TASK IS NON-DISPATCHABLE DUE TO AN INPUT WAIT	33500002
		00004		6496+TCBOWAIT EQU	X'04' - TASK IS NON-DISPATCHABLE DUE TO AN OUTPUT WAIT	33600002
		00002		6497+TCBDSS EQU	X'02' - DYNAMIC SUPPORT SYSTEM (DSS) HAS SET THIS	33650002
				6498+*	TASK NON-DISPATCHABLE ICB313	33660002
		00001		6499+TCBABE EQU	X'01' - ABEND ROUTINE WAS ENTERED FOR THIS TASK WHILE	33700002
				6500+*	THE DCB FOR SYSABEND (OR SYSUDUMP) DATA SET WAS	33750002
				6501+*	BEING OPENED FOR ANOTHER TASK (OS/VS1)	33800002
0000CF				6502+TCBNDSP3 DS	B - BYTE 3	34000001
		00080		6503+TCBLJSND EQU	X'80' - TASK IS ABENDING AND NON-DISPATCHABLE BECAUSE IT	34470002
				6504+*	HAS A JOB STEP SUBTASK. TCBONDSP MUST ALSO BE	34480001
				6505+*	ON. (OS/VS2)	34490002

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		00040	6506+TCBRV302	EQU	X'40',,C'X' - RESERVED (WAS TCBSTAND) (OS/VS2)	MDC006 34490402
		00020	6507+TCBSRBND	EQU	X'20' - TCB NON-DISPATCHABLE BECAUSE SRB'S ARE STOPPED (OS/VS2)	34490802
			6508+*			MDC045 34491202
		00010	6509+TCBSLPER	EQU	X'10' - SET NON-DISPATCHABLE SO THAT SLIP/PER CAN ALTER RB PSW PER BIT (OS/VS2) (MDC340)	34491964
			6510+*			@G64RP9A 34492464
		00008	6511+TCBRSV25	EQU	X'08',,C'X' - RESERVED	34494001
		00004	6512+TCBAREQ	EQU	X'04' - TSO AUTHORIZED REQUEST PROCESSING ACTIVE	34494600
			6513+*			@ZA67167 34495200
		00002	6514+TCBRSV27	EQU	X'02',,C'X' - RESERVED	34496001
		00001	6515+TCBNDINT	EQU	X'01' - INITIATOR SETS THIS BIT TO PREVENT JOB STEP EXECUTION IN ORDER TO DO CANCEL PROCESSING (CAN CANCEL LOOP) (OS/VS2)	34498202
			6516+*			34498802
			6517+*			MDC075 34499402
0000D0			6518+TCBMDIDS	DS	F - RESERVED FOR MODEL-DEPENDENT SUPPORT AND FOR IBM PROPRIETARY PROGRAMMING SUPPORT	34520002
			6519+*			ICBXXX 34550001
0000D4			6520+TCBJSCB	DS	0A - ADDRESS OF THE JOB STEP CONTROL BLOCK	34600002
0000D4			6521+TCBRECDE	DS	B - ABEND RECURSION BYTE	ICB456 34610001
		00080	6522+TCBREC	EQU	X'80' - VALID REENTRY TO ABEND IF NON-ZERO VALUE IN FOLLOWING 7 BITS	34620002
			6523+*			ICB456 34630002
		00001	6524+TCBOPEN	EQU	X'01' - OPEN DUMP DATA SET	ICB456 34631001
		00002	6525+TCBCLOSD	EQU	X'02' - CLOSE DIRECT SYSOUT ON TAPE	ICB456 34632001
		00003	6526+TCBCLOSE	EQU	X'03' - CLOSE OPEN DATA SETS	ICB456 34633001
		00004	6527+TCBCLOSF	EQU	X'04' - RESERVED	ICB456 34634001
		00005	6528+TCBGREC	EQU	X'05' - GRAPHICS	ICB456 34635001
		00007	6529+TCBADUMP	EQU	X'07' - ABDUMP	ICB456 34636001
		00008	6530+TCBPTAXE	EQU	X'08' - PURGE TAXE	ICB456 34637001
		00009	6531+TCBMESG	EQU	X'09' - MESSAGE RECURSION	ICB456 34638001
		0000A	6532+TCBDYNAM	EQU	X'0A' - DD-DYNAM TIOT CLEANUP	ICB456 34639001
		0000B	6533+TCBDAMSG	EQU	X'0B' - ABEND IS ISSUING A WTOR ASKING WHETHER THE JOB STEP TASK SHOULD WAIT FOR THE DUMP AREA (OS/VS1)	34639402
			6534+*			34639802
			6535+*			MDC041 34639902
		0000C	6536+TCBQTIP	EQU	X'0C' - PURGE TSO INTERPARTITION POSTS	ICB456 34640001
		0000D	6537+TCBTCAMP	EQU	X'0D' - PURGE TCAM INTERPARTITION POSTS	ICB456 34641001
		0000E	6538+TCBINDRC	EQU	X'0E' - INDICATIVE DUMP (LOAD 8 OF ABEND) HAS ABENDED. ABEND WILL HANDLE THIS ABEND. (OS/VS1)	34641102
			6539+*			MDC050 34641202
		0000F	6540+TCBSAVCD	EQU	X'0F' - ASIR RECURSION. SAVE OLD COMPLETION CODE	ICB456 34642002
		00010	6541+TCBTYP1W	EQU	X'10' - TYPE 1 MESSAGE WRITE TO PROGRAMMER	ICB456 34643001
		00020	6542+TCBWTPSE	EQU	X'20' - WRITE-TO-PROGRAMMER (WTP) FAILED. JOB STEP TIMER EXPIRED DURING JOB STEP ABEND AND THE STAE EXIT IS DENIED. (OS/VS1) (MDC301) @X04DA9A	34643103
			6543+*			34643203
			6544+*			34643303
		00021	6545+TCBVTAM1	EQU	X'21' - ABEND IS ENTERING FIRST VTAM INTERFACE, ISTRAAA1, FOR TERMINATION OF TASK OR SUBTASK (OS/VS1) (MDC081) @X31BH9A	34643403
			6546+*			34643503
			6547+*			@X31BH9A 34643603
		00022	6548+TCBVTAM2	EQU	X'22' - ABEND IS ENTERING SECOND VTAM INTERFACE, ISTRAAA2, BECAUSE ISTRAAA1 ABENDED (OS/VS1) (MDC082) @X31BH9A	34643703
			6549+*			34648703
			6550+*			@X31BH9A 34654003
		00023	6551+TCBVTAM3	EQU	X'23' - ABEND IS ENTERING FIRST VTAM INTERFACE, ISTRAAA0, BECAUSE VTAM ABENDED (OS/VS1) (MDC310) @X04BH9A	34654203
			6552+*			34654403
			6553+*			@X04BH9A 34654603
		00024	6554+TCBVTAM4	EQU	X'24' - ABEND IS ENTERING SECOND VTAM INTERFACE, ISTRAAA2, BECAUSE ISTRAAA0 ABENDED (OS/VS1) (MDC311) @X04BH9A	34654803
			6555+*			34655003
			6556+*			@X04BH9A 34655203
		00030	6557+TCBNOSTA	EQU	X'30' - STAE/STAI NOT TO BE HONORED	ICB456 34656003
		00031	6558+TCBSTRET	EQU	X'31' - RETURN FROM DUMP PROCESSING	ICB456 34662003
		00032	6559+TCBCONVR	EQU	X'32' - CONVERT TO STEP ABEND	ICB456 34668003
		00033	6560+TCBDARET	EQU	X'33' - RETURN FROM DAMAGE ASSESSMENT ROUTINES	ICB456 34674003

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		00034	6561+TCBTYP1R	EQU	X'34' - RETURN FROM TYPE 1 MESSAGE MODULE	ICB456 34680003
		00035	6562+TCBNEWRB	EQU	X'35' - ABEND ISSUED SVC 13 TO TRANSFER CONTROL (XCTL)	34686003
			6563+*		TO A NON-ABEND MODULE	ICB456 34692003
		00040	6564+TCBMCCNS	EQU	X'40' - A MUST COMPLETE TASK HAS ABNORMALLY TERMINATED	34700002
			6565+*		WITHOUT ENOUGH STORAGE FOR 2 RB'S FOR A WTOR	34750001
			6566+*		ASKING WHETHER THE TASK'S RESOURCES ARE	34760002
			6567+*		CRITICAL. THE RESOURCES ARE ASSUMED TO BE	34770002
			6568+*		CRITICAL, AND THE PARTITION IS MARKED	34780002
			6569+*		PERMANENTLY NON-DISPATCHABLE. (OS/VS1)	ICB492 34790002
0000D5			6570+TCBJSCBB	DS	AL3 - ADDRESS OF THE JOB STEP CONTROL BLOCK	34800002
0000D8			6571+TCBDDEXC	DS	H - NUMBER OF TIMES A DYNAMIC DISPATCHING TASK HAS	34801002
			6572+*		HAD ITS TIME SLICE EXPIRE (OS/VS1)	ICB465 34802002
0000DA			6573+TCBDDWTC	DS	H - NUMBER OF TIMES A DYNAMIC DISPATCHING TASK IS	34804002
			6574+*		NOT INTERRUPTED BY THE END OF A TIME SLICE	34805002
			6575+*		BETWEEN WAITS (OS/VS1)	ICB465 34806002
0000DC			6576+TCBIOBRC	DS	A - ADDRESS OF IOB RESTORE CHAIN FOR I/O QUIESCED	34806101
			6577+*		BY EOT	YM2840 34806201
0000E0			6578+TCBEXCPD	DS	A - ADDRESS OF EXCP DEBUG AREA (OS/VS2)	34808002
			6579+*		(MDC083)	YM4297 34828002
0000E4			6580+TCBEXT1	DS	0A - ADDRESS OF OS-OS/VS COMMON TCB EXTENSION	ICB311 34860002
0000E4			6581+TCBRVS32	DS	X - RESERVED	ICB311 34862001
0000E5			6582+TCBEXT1A	DS	AL3 - ADDRESS OF OS-OS/VS COMMON TCB EXTENSION	ICB311 34864002
			6583+*			34880001
			6584+*		OS/VS1 - OS/VS2 COMMON SECTION	34890002
			6585+*			34892001
0000E8			6586+TCBBITS	DS	0BL4 - FLAG BYTES. IF A BIT IN THE FOLLOWING TWO BYTES	34894002
			6587+*		IS SET TO 1, THE PRIMARY NON-DISPATCHABILITY BIT	34894402
			6588+*		(OFFSET 33.7 DECIMAL) IS SET TO 1, AND THE TASK	34894802
			6589+*		IS NON-DISPATCHABLE.	34895202
0000E8			6590+TCBNDSPP4	DS	B - SECONDARY NON-DISPATCHABILITY FLAGS COMMON TO	34896002
			6591+*		OS/VS1 AND OS/VS2. COORDINATED WITH PRIMARY	34898002
			6592+*		NON-DISPATCHABILITY FLAG TCBPNDSP. THIS BYTE IS	34898402
			6593+*		NOT CURRENTLY SUPPORTED BY OS/VS2.	MDC076 34898502
		00080	6594+TCBRVS86	EQU	X'80',,C'X' - RESERVED	34898601
		00040	6595+TCBRVS87	EQU	X'40',,C'X' - RESERVED	34898701
		00020	6596+TCBRVS88	EQU	X'20',,C'X' - RESERVED	34898801
		00010	6597+TCBRVS89	EQU	X'10',,C'X' - RESERVED	34899001
		00008	6598+TCBRVS90	EQU	X'08',,C'X' - RESERVED	34899101
		00004	6599+TCBRVS91	EQU	X'04',,C'X' - RESERVED	34899301
		00002	6600+TCBRVS92	EQU	X'02',,C'X' - RESERVED	34899401
		00001	6601+TCBRVS93	EQU	X'01',,C'X' - RESERVED	34899501
0000E9			6602+TCBNDSPP5	DS	B - SECONDARY NON-DISPATCHABILITY FLAGS UNIQUE TO	34899602
			6603+*		OS/VS1 OR OS/VS2. COORDINATED WITH PRIMARY	34899702
			6604+*		NON-DISPATCHABILITY FLAG TCBPNDSP. THIS BYTE IS	34899802
			6605+*		NOT CURRENTLY SUPPORTED BY OS/VS2.	MDC077 34902802
		00080	6606+TCBRVS94	EQU	X'80',,C'X' - RESERVED (OS/VS2)	34967302
		00040	6607+TCBRVS95	EQU	X'40',,C'X' - RESERVED (OS/VS2)	34967502
		00020	6608+TCBRVS74	EQU	X'20',,C'X' - RESERVED	34967901
		00010	6609+TCBRVS75	EQU	X'10',,C'X' - RESERVED	34968101
		00008	6610+TCBRVS76	EQU	X'08',,C'X' - RESERVED	34968201
		00004	6611+TCBRVS77	EQU	X'04',,C'X' - RESERVED	34968501
		00002	6612+TCBRVS78	EQU	X'02',,C'X' - RESERVED	34968701
		00001	6613+TCBRVS79	EQU	X'01',,C'X' - RESERVED	MDC075 34968802
0000EA			6614+TCBFLGS6	DS	B - TASK-RELATED FLAGS	34970302
		00080	6615+TCBRV	EQU	X'80' - THE PARTITION IS FIXED IN REAL STORAGE. VIRTUAL	34972302

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				6616+*	ADDRESSES ARE EQUAL TO REAL ADDRESSES.	34974302
		00040		6617+TCBPIE17 EQU	X'40' - PAGE FAULT INTERRUPT IS TO BE PASSED TO THE	34999002
				6618+*	TASK'S INTERRUPT EXIT AND AN 8-BYTE PICA IS IN	34999802
				6619+*	EFFECT FOR THIS TASK (OS/VS2) ICB339	35000602
		00020		6620+TCBCPU EQU	X'20' - TASK IS CPU-BOUND MEMBER OF AUTOMATIC PRIORITY	35008602
				6621+*	GROUP (APG) (OS/VS2)	35009402
		00010		6622+TCBSPVLK EQU	X'10' - TASK SCHEDULED FOR ABTERM WHILE OWNING	35011002
				6623+*	SUPERVISOR LOCK (OS/VS2)	35011402
		00008		6624+TCBRV303 EQU	X'08' , , C'X' - RESERVED (WAS TCBOLSQA) (OS/VS2) MDC014	35012602
		00004		6625+TCBMIGR EQU	X'04' - REGION SELECTED FOR MIGRATION FROM PRIMARY	35013402
				6626+*	PAGING DEVICE (OS/VS2)	35014202
		00002		6627+TCBAPG EQU	X'02' - TASK IS IN AUTOMATIC PRIORITY GROUP (APG)	35015002
				6628+*	(OS/VS2)	35015802
		00001		6629+TCBNTJS EQU	X'01' - JOB STEP TASK BUT NOT HIGHEST IN FAILING TREE	35016602
				6630+*	(OS/VS2)	35018202
0000EB				6631+TCBFLGS7 DS	B - TASK-RELATED FLAGS	35020602
		00080		6632+TCBGPECB EQU	X'80' - TASK IS IN AN ECB WAIT FOR A GETPART	35022202
				6633+*	(OS/VS2) ICB339	35023002
		00040		6634+TCBRSV33 EQU	X'40' , , C'X' - RESERVED (OS/VS2)	35023802
		00020		6635+TCBRSV34 EQU	X'20' , , C'X' - RESERVED (OS/VS2)	35025402
		00010		6636+TCBSTACK EQU	X'10' - SET IN JOB STEP TCB TO INDICATE THAT A TASK IN	35026202
				6637+*	THE JOB STEP IS IN SERIAL ABEND PROCESSING.	35027002
				6638+*	USED IN CONJUNCTION WITH TCBFOINP.	35027802
				6639+*	(OS/VS2) ICB374	35028602
		00008		6640+TCBSVCS EQU	X'08' - RESERVED (MDC315) @Z40EP9A	35029004
		00004		6641+TCBRSTSK EQU	X'04' - RESIDENT SYSTEM TASK (OS/VS2)	35030202
		00002		6642+TCBADMP EQU	X'02' - ALL OTHER TASKS IN JOB STEP HAVE BEEN SET	35031002
				6643+*	NON-DISPATCHABLE BY ABDUMP. THIS BIT IS SET TO	35032602
				6644+*	CONTROL JOB STEP DURING THE DUMPING PROCESS.	35033402
				6645+*	(OS/VS2)	35034202
		00001		6646+TCBGTOFM EQU	X'01' - GENERALIZED TRACE FACILITY (GTF) TRACING HAS	35051002
				6647+*	BEEN TEMPORARILY DISABLED UNDER THIS TASK ICB402	35051802
0000EC				6648+TCBDAR DS	B - - DAMAGE ASSESSMENT ROUTINE (DAR) FLAGS	35052602
		00080		6649+TCBDARP EQU	X'80' - PRIMARY DAR RECURSION. DAR HAS BEEN ENTERED FOR	35054202
				6650+*	THIS TASK.	35054602
		00040		6651+TCBDARS EQU	X'40' - SECONDARY DAR RECURSION. IF DAR IS REENTERED,	35055402
				6652+*	THIS TASK WILL BE SET NON-DISPATCHABLE.	35056602
		00020		6653+TCBDARD EQU	X'20' - A DUMP HAS BEEN REQUESTED FOR A WRITER OR	35057402
				6654+*	SCHEDULER ABEND, AND THE USER HAS PROVIDED NO	35058202
				6655+*	SYSABEND DD CARD (OS/VS1)	35059002
		00010		6656+TCBDARC EQU	X'10' - RECURSION PERMITTED IN CLOSE -	35059802
				6657+*	AFTER DAR PROCESSING COMPLETED (PCP)	35061402
		00010		6658+TCBDARMC EQU	X'10' - DAR HAS BEEN ENTERED TO HANDLE A VALID RECURSION	35061802
				6659+*	IN MUST-COMPLETE STATUS THROUGH ABEND ICB264	35063002
		00008		6660+TCBDARO EQU	X'08' - SYSTEM ERROR TASK IS FAILING. DAR DUMP SHOULD	35063402
				6661+*	NOT REQUEST ANY ERROR RECOVERY PROCEDURE (ERP)	35064602
				6662+*	PROCESSING.	35065402
		00004		6663+TCBDARWT EQU	X'04' - A WTO OPERATION WITH A 'REINSTATEMENT FAILURE'	35066202
				6664+*	MESSAGE IS IN PROCESS FOR DAR ICB264	35067002
		00002		6665+TCBDARMS EQU	X'02' - WTO OPERATION WITH A 'DAR IN PROGRESS' MESSAGE	35068603
				6666+*	IS IN PROCESS FOR DAR (OS/VS1) (MDC314) @XA08316	35069003
		00001		6667+TCBEXSVC EQU	X'01' - THE DUMP SVC ROUTINE IS EXECUTING FOR THIS TASK	35069402
0000ED				6668+TCBRSV37 DS	X - RESERVED FOR USER MDC080	35070202
0000EE				6669+TCBSYSCT DS	FL1 - NUMBER OF OUTSTANDING SYSTEM-MUST-COMPLETE	35071002
				6670+*	REQUESTS (ICB497) YM3883	35071802

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
0000EF				6671+TCBSTMCT DS	FL1 -	NUMBER OF OUTSTANDING STEP-MUST-COMPLETE REQUESTS (ICB497)	35072602
				6672+*			YM3883 35073402
0000F0				6673+TCBEXT2 DS	0A -	ADDRESS OF OS/VS1 - OS/VS2 COMMON EXTENSION	35074202
				6674+*			ICB311 35075802
0000F0				6675+TCBRVS39 DS	X -	RESERVED	ICB311 35076602
0000F1				6676+TCBEXT2A DS	AL3 -	ADDRESS OF OS/VS1 - OS/VS2 COMMON EXTENSION	35077402
				6677+*			ICB311 35078202
				6678+*			35093102
				6679+*			35094602
				6680+*			35095202
0000F4				6681+TCBAECB DS	F -	ABEND ECB. POSTED BY A MOTHER TASK IN RTM2 PROCESSING WHEN A DAUGHTER IS WAITING TO TERMINATE IT.	35095802
				6682+*			35096602
				6683+*			MDC033 35097602
0000F8				6684+TCBTIRB DS	A -	ADDRESS OF TIRB FOR TASK	35098602
0000FC				6685+TCBBACK DS	A -	ADDRESS OF PREVIOUS TCB ON READY QUEUE. ZERO IN TOP TCB.	35099502
				6686+*			35100402
000100				6687+TCBRTWA DS	A -	POINTER TO CURRENT RTM2 WORK AREA	MDC034 35101302
000104				6688+TCBIOTIM DS	F -	TIME IN 16-MICROSECOND UNITS BETWEEN TIME ORIGINAL TIME SLICE INTERVAL WAS ASSIGNED AND TIME AUTOMATIC PRIORITY GROUP (APG) TASK WENT INTO VOLUNTARY WAIT	35102202
				6689+*			35103102
				6690+*			35104002
				6691+*			35104902
000108				6692+TCBTMSAV DS	F -	TIME IN 16-MICROSECOND UNITS REMAINING FROM ORIGINAL TIME SLICE INTERVAL WHEN AUTOMATIC PRIORITY GROUP (APG) TASK WAS LAST DISPATCHED	35105802
				6693+*			35106702
				6694+*			35107602
00010C				6695+TCBABCUR DS	C -	ABEND RECURSION BYTE	35108502
00010D				6696+TCBRSVAA DS	FL1 -	RESERVED (ICB497)	YM3883 35110001
00010E				6697+TCBTID DS	C -	TASK ID NUMBER	ICB374 35112201
	000FF			6698+TCBPAGID EQU	255 -	ID FOR PAGING SUPERVISOR TASK	ICB403 35112301
	000FE			6699+TCBSYERR EQU	254 -	ID FOR SYSTEM ERROR TASK	ICB403 35112401
	000FD			6700+TCBCOMM EQU	253 -	ID FOR COMMUNICATIONS TASK	ICB403 35112501
	000FC			6701+TCBIORMS EQU	252 -	ID FOR I/O RMS TASK	ICB403 35112601
	000FB			6702+TCBMASTR EQU	251 -	ID FOR MASTER SCHEDULER TASK	ICB403 35112701
	000FA			6703+TCBJES EQU	250 -	ID FOR JOB ENTRY SUBSYSTEM (JES) MONITOR TASK	35112802
				6704+*			ICB403 35113602
	000F9			6705+TCBDSSID EQU	249 -	ID FOR DYNAMIC SUPPORT SYSTEM (DSS) TASK	ICB403 35116502
	000F8			6706+TCBLOGID EQU	248 -	ID FOR SYSTEM LOG TASK	MDC001 35117302
00010F				6707+TCBRVS41 DS	X -	RESERVED	ICB374 35118102
000110				6708+TCBXSCT DS	0F -	DISPATCHER INTERSECT CONTROL WORD (MDC322)	35118940
				6709+*			@Z40FP9A 35119040
000110				6710+TCBXSCT1 DS	B -	FLAG BYTE (MDC323)	@Z40FP9A 35119140
	00080			6711+TCBACTIV EQU	X'80' -	BIT ON MEANS THIS TCB IS CURRENTLY ACTIVE ON A CPU. USED TO SYNCHRONIZE SOME STATUS SAVING AND DISPATCHABILITY INDICATORS WHEN ACTIVE OR NOT UNDER THE LOCAL LOCK. (MDC320)	35119240
				6712+*			35119340
				6713+*			35119440
				6714+*			@Z40FP9A 35119540
	00040			6715+TCBS3A EQU	X'40' -	STAGE 3 EXIT EFFECTOR/RESUME/TCTL INTERSECT FLAG (MDC324)	35119640
				6716+*			@Z40FP9A 35119740
	00020			6717+TCBRV319 EQU	X'20',,C'X' -	RESERVED	@Z40FP9A 35119840
	00010			6718+TCBRV320 EQU	X'10',,C'X' -	RESERVED	@Z40FP9A 35119940
	00008			6719+TCBRV321 EQU	X'08',,C'X' -	RESERVED	@Z40FP9A 35120040
	00004			6720+TCBRV322 EQU	X'04',,C'X' -	RESERVED	@Z40FP9A 35120140
	00002			6721+TCBRV323 EQU	X'02',,C'X' -	RESERVED	@Z40FP9A 35120240
	00001			6722+TCBRV324 EQU	X'01',,C'X' -	RESERVED	@Z40FP9A 35120340
000111				6723+TCBRV325 DS	B -	RESERVED (MDC325)	@Z40FP9A 35120440
000112				6724+TCBCCPVI DS	H -	ID OF THE CURRENT CPU RUNNING THIS TASK. USED FOR RECOVERY AND CPU AFFINITY. (MDC321)	35120540
				6725+*			@Z40FP9A 35120640

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
000114				6726+TCBFOE	DS	0A - ADDRESS OF FIRST FIX OWNERSHIP ELEMENT (FOE)	35121040
				6727+*		IN LIST FOR THIS TASK	ICB339 35121140
000114				6728+TCBRV42	DS	X - RESERVED	ICB339 35121240
000115				6729+TCBFOEA	DS	AL3 - ADDRESS OF FIRST FIX OWNERSHIP ELEMENT (FOE)	35121302
				6730+*		IN LIST FOR THIS TASK	ICB339 35122401
000118				6731+TCBSWA	DS	A - ADDRESS OF FIRST SCHEDULER WORK AREA (SWA)	SPQE 35122904
				6732+*		ON SWA SPQE CHAIN (MDC326)	@Z40AQ9A 35123404
00011C				6733+TCBSTAWA	DS	A - ESTAE ROUTINE WORK AREA POINTER	35125340
				6734+*		(MDC327)	@Z40FP9A 35125540
000120				6735+TCBTCBID	DS	CL4 - CONTAINS BLOCK ID - 'TCB '	MDC012 35126102
000124				6736+TCBRTM12	DS	A - POINTER TO PARAMETER AREAS PASSED FROM RTM1 TO	35126902
				6737+*		RTM2	MDC008 35127702
000128				6738+TCBESTAE	DS	0XL4 - AREA TO CONTAIN RECOVERY DATA FOR RTM	MDC029 35128502
000128				6739+TCBSCBKY	DS	C - KEY IN WHICH SYNCH IS TO PASS CONTROL TO THE	35129364
				6740+*		USER EXIT (MDC353)	@ZM49654 35129864
000129				6741+TCBESTRM	DS	B - ESTAE TERM OPTIONS	MDC039 35130902
		00080		6742+TCBETERM	EQU	X'80' - ESTAE EXIT ENTERED WITH TERM OPTION	MDC040 35131702
		00040		6743+TCBSTAFX	EQU	X'40' - SERIALIZED BY TCB ACTIVE (MDC342)	@ZA30005 35132500
		00020		6744+TCBRV309	EQU	X'20' , , C'X' - RESERVED	35133302
		00010		6745+TCBRV310	EQU	X'10' , , C'X' - RESERVED	35134102
		00008		6746+TCBRV311	EQU	X'08' , , C'X' - RESERVED	35134902
		00004		6747+TCBRV312	EQU	X'04' , , C'X' - RESERVED	35135702
		00002		6748+TCBRV313	EQU	X'02' , , C'X' - RESERVED	35136502
		00001		6749+TCBRV314	EQU	X'01' , , C'X' - RESERVED	35137302
00012A				6750+TCBERTYP	DS	FL1 - TYPE OF ERROR CAUSING ENTRY TO THE RTM. SET	35138102
				6751+*		BY RTM1.	MDC052 35138902
00012B				6752+TCBMODE	DS	FL1 - MASK INDICATING MODE OF SYSTEM AT TIME OF ERROR.	35140902
				6753+*		SEE IHART1W/MODE FOR INDIVIDUAL BIT DEFINITIONS.	35141302
				6754+*			MDC064 35141402
00012C				6755+TCBUKYSP	DS	A - ADDRESS OF SPQE'S FOR SUBPOOLS 229 AND 230	35141802
				6756+*		(USER KEY STORAGE IN THE PRIVATE AREA)	MDC067 35142202
000130				6757+TCBRV326	DS	H - RESERVED (MDC321)	@Z40FP9A 35142440
000132				6758+TCBAFFN	DS	BL2 - CPU AFFINITY INDICATOR	MDC047 35144002
000134				6759+TCBFBYT1	DS	B - FLAG BYTE	MDC002 35144802
		00080		6760+TCBEOTFM	EQU	X'80' - END OF TASK FLAG FOR FREEMAIN. SET TO 1 BY TASK	35145602
				6761+*		TERMINATION AT START OF TERMINATION PROCESSING	35146402
				6762+*		AND RESET TO 0 AT FINISH. INDICATES THAT A	35147202
				6763+*		FREEMAIN ON A BLOCK OF LOCAL STORAGE THAT IS	35148002
				6764+*		STILL FIXED BY RSM SHOULD RESULT IN A RETURN	35148802
				6765+*		CODE OF 8 RATHER THAN ABNORMAL TERMINATION.	35149602
				6766+*			MDC002 35150402
		00040		6767+TCBRV327	EQU	X'40' , , C'X' - RESERVED (MDC320)	@Z40FP9A 35151240
		00020		6768+TCBNDIOS	EQU	X'20' - TASK HAS BEEN SET NON-DISPATCHABLE VIA STATUSND	35154402
				6769+*		WHILE SVC 16 (PURGE) SCANS THE RB CHAIN PURGING	35155202
				6770+*		APPENDAGE-SCHEDULED ASYNCHRONOUS EXIT ROUTINES	35156002
				6771+*		RUNNING UNDER AN IRB/RQE OR NON-RESIDENT ERP'S	35156802
				6772+*		RUNNING UNDER THE SIRB.	MDC005 35157602
		00010		6773+TCBPGNLY	EQU	X'10' - SET BY RTM2 TO INDICATE ONLY PURGE PHASE TO BE	35158402
				6774+*		PERFORMED	MDC009 35159202
		00008		6775+TCBRTM2	EQU	X'08' - SET BY RTM2 TO INDICATE RTM2 HAS BEEN ENTERED	35160002
				6776+*		FOR THIS TASK	MDC010 35160802
		00004		6777+TCBEOT	EQU	X'04' - SET BY RTM2 TO INDICATE TO EXIT THAT END OF TASK	35161602
				6778+*		PROCESSING IS COMPLETE	MDC011 35162402
		00002		6779+TCBRV113	EQU	X'02' , , C'X' - RESERVED	35163202
		00001		6780+TCBLLH	EQU	X'01' - LOCALLY LOCKED TCB HAS PAGE FAULTED, AND I/O IS	35164002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
000135		00080		6781+*	REQUIRED (FIRST LEVEL INTERRUPT HANDLER)	MDC027 35164802
				6782+TCBFBYT2 DS	B - FLAG BYTE	MDC035 35165602
				6783+TCBCNCB EQU	X'80' - SET BY RTM2 IN THE JOB STEP TCB WHEN IT HAS BEEN	35166402
				6784+*	ENTERED ON THE TCB FOR AN X22 ABEND	MDC036 35167202
				00040 6785+TCBFMW EQU	X'40' - MOTHER WAITING FLAG. TURNED ON IN A SUBTASK IN	35168002
				6786+*	RTM2 PROCESSING WHEN AN ANCESTOR TASK IS WAITING	35168802
				6787+*	TO ABEND IT.	MDC037 35169602
				00020 6788+TCBFDW EQU	X'20' - DAUGHTER WAITING FLAG. TURNED ON IN A MOTHER	35170402
				6789+*	TASK IN RTM2 PROCESSING WHEN A DAUGHTER IS	35171202
				6790+*	WAITING TO ABEND IT.	MDC038 35172002
				00010 6791+TCBFPRAP EQU	X'10' - SET BY RTM2 TO PREVENT PERCOLATION TO THE TASK	35172802
				6792+*	OF AN ASYNCHRONOUS ABEND	MDC051 35173602
				00008 6793+TCBSSSYN EQU	X'08' - SYNCHRONIZED STATUS STOP PENDING FOR THIS TCB	35174002
				6794+*		MDC053 35174402
000136		00004		6795+TCBECBNV EQU	X'04' - IF 1, ECB POINTED TO BY TCBECEB IS NOT TO BE	35174802
				6796+*	VALIDITY CHECKED. IF 0, ECB POINTED TO BY	35175202
				6797+*	TCBECEB IS TO BE VALIDITY CHECKED.	MDC071 35175602
				00002 6798+TCBRV122 EQU	X'02' , , C'X' - RESERVED	35176002
				00001 6799+TCBRV123 EQU	X'01' , , C'X' - RESERVED	35176802
				6800+TCBRV124 DS	B - RESERVED (MDC306)	35177604
				00080 6801+TCBRV125 EQU	X'80' , , C'X' - RESERVED (MDC307)	35178204
				00040 6802+TCBRV126 EQU	X'40' , , C'X' - RESERVED (MDC308)	35179604
				00020 6803+TCBRV127 EQU	X'20' , , C'X' - RESERVED	35180002
				00010 6804+TCBRV128 EQU	X'10' , , C'X' - RESERVED	35180802
				00008 6805+TCBRV129 EQU	X'08' , , C'X' - RESERVED	35181602
				00004 6806+TCBRV130 EQU	X'04' , , C'X' - RESERVED	35182402
				00002 6807+TCBRV131 EQU	X'02' , , C'X' - RESERVED	35183202
				00001 6808+TCBRV132 EQU	X'01' , , C'X' - RESERVED	35184002
000137		00080		6809+TCBRV133 DS	B - RESERVED	35184802
				6810+TCBRV134 EQU	X'80' , , C'X' - RESERVED	35185602
				00040 6811+TCBRV135 EQU	X'40' , , C'X' - RESERVED	35186402
				00020 6812+TCBRV136 EQU	X'20' , , C'X' - RESERVED	35187202
				00010 6813+TCBRV137 EQU	X'10' , , C'X' - RESERVED	35188002
				00008 6814+TCBRV138 EQU	X'08' , , C'X' - RESERVED	35188802
				00004 6815+TCBRV139 EQU	X'04' , , C'X' - RESERVED	35189602
				00002 6816+TCBRV140 EQU	X'02' , , C'X' - RESERVED	35190402
				00001 6817+TCBRV141 EQU	X'01' , , C'X' - RESERVED	35191202
				6818+TCBRPT DS	A - ADDRESS OF RADIX PARTITION TREE FOR LOCAL	35191602
				6819+*	STORAGE MANAGEMENT	MDC068 35192002
				00013C 6820+TCBVAT DS	A - ADDRESS OF THE VAT (VSAM). THERE IS ONE @ZA63673	35192400
				6821+*	VAT PER JOB STEP TCB.	@ZA63673 35192800
				000140 6822+TCBSWASA DS	A - ADDRESS OF SAVE AREA USED BY SWA MANAGER	MDC079 35193202
000144 000148		00128		6823+TCBSVCA2 DS	A - RESERVED (MDC317)	@Z40EP9A 35193504
				6824+ DS	0D	35196002
				6825+TCBMNLEN EQU	*-TCB - LENGTH OF MAIN SECTION OF TCB	35196802
				6826+*		35197602
				6827+*	OS/VS1 - OS/VS2 COMMON EXTENSION	35198402
				6828+*	ADDRESS OF EXTENSION IS IN TCBEXT2	35199202
				6829+*		35200002
				000000 6830+TCBXTNT2 DSECT	, - START OF EXTENSION	35201602
				000000 6831+TCBGTF DS	0A - ADDRESS OF GENERALIZED TRACE FACILITY (GTF)	35205602
				6832+*	TEMPORARY TRACE BUFFER	ICB312 35206002
				000000 6833+TCBTFLG DS	B - GTF FLAG BYTE	ICB312 35206402
				00080 6834+TCBASYNC EQU	X'80' - GTF ASYNCHRONOUS GATHER ROUTINE IS IN CONTROL	35207202
				6835+*		ICB312 35207602

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
			00040	6836+TCBERRTN EQU	X'40'	- GTF ASYNCHRONOUS GATHER ERROR ROUTINE IS IN	35208002
				6837+*		CONTROL ICB312	35208802
			00020	6838+TCBDSPIT EQU	X'20'	- MACHINE CHECK INTERRUPTION HANDLER SHOULD	35209602
				6839+*		UNCONDITIONALLY BRANCH TO THE DISPATCHER ICB312	35210402
			00010	6840+TCBRV43 EQU	X'10'	,,C'X' - RESERVED	35211202
			00008	6841+TCBRV44 EQU	X'08'	,,C'X' - RESERVED	35212002
			00004	6842+TCBRV45 EQU	X'04'	,,C'X' - RESERVED	35212802
			00002	6843+TCBRV46 EQU	X'02'	,,C'X' - RESERVED	35213602
			00001	6844+TCBRV47 EQU	X'01'	,,C'X' - RESERVED	35214402
000001				6845+TCBGTF DS	AL3	- ADDRESS OF GTF TEMPORARY TRACE BUFFER ICB312	35215202
000004				6846+TCBRVAB DS	FL1	- RESERVED (ICB497) YM3883	35216002
000005				6847+TCBRCMP DS	BL3	- MOST RECENT ABEND COMPLETION CODE (INCLUDING	35216802
				6848+*		VALID RECURSIONS IN STAE) ICB411	35217602
000008				6849+TCBEVENT DS	A	- ADDRESS OF EVENT TABLES QUEUE (MDC304) @X31ED9A	35219203
00000C				6850+TCBRV49 DS	F	- RESERVED	35220002
000010				6851+TCBRV142 DS	A	- RESERVED	35220802
000014				6852+TCBCAUF DS	A	- ADDRESS OF SUBSYSTEM FACILITY CONTROL BLOCK	35221640
				6853+*		(OS/VS2) (MDC345) @ZA27912	35221840
000018				6854+TCBRV144 DS	H	- RESERVED	35222402
00001A				6855+TCBRV145 DS	H	- RESERVED	35223202
00001C				6856+TCBRV146 DS	B	- RESERVED	35224002
			00080	6857+TCBRV147 EQU	X'80'	,,C'X' - RESERVED	35224802
			00040	6858+TCBRV148 EQU	X'40'	,,C'X' - RESERVED	35225602
			00020	6859+TCBRV149 EQU	X'20'	,,C'X' - RESERVED	35226402
			00010	6860+TCBRV150 EQU	X'10'	,,C'X' - RESERVED	35227202
			00008	6861+TCBRV151 EQU	X'08'	,,C'X' - RESERVED	35228002
			00004	6862+TCBRV152 EQU	X'04'	,,C'X' - RESERVED	35228802
			00002	6863+TCBRV153 EQU	X'02'	,,C'X' - RESERVED	35229602
			00001	6864+TCBRV154 EQU	X'01'	,,C'X' - RESERVED	35230402
00001D				6865+TCBRV155 DS	B	- RESERVED	35231202
			00080	6866+TCBRV156 EQU	X'80'	,,C'X' - RESERVED	35232002
			00040	6867+TCBRV157 EQU	X'40'	,,C'X' - RESERVED	35232802
			00020	6868+TCBRV158 EQU	X'20'	,,C'X' - RESERVED	35233602
			00010	6869+TCBRV159 EQU	X'10'	,,C'X' - RESERVED	35234402
			00008	6870+TCBRV160 EQU	X'08'	,,C'X' - RESERVED	35235202
			00004	6871+TCBRV161 EQU	X'04'	,,C'X' - RESERVED	35236002
			00002	6872+TCBRV162 EQU	X'02'	,,C'X' - RESERVED	35236802
			00001	6873+TCBRV163 EQU	X'01'	,,C'X' - RESERVED	35237602
00001E				6874+TCBRV164 DS	B	- RESERVED	35238402
			00080	6875+TCBRV165 EQU	X'80'	,,C'X' - RESERVED	35239202
			00040	6876+TCBRV166 EQU	X'40'	,,C'X' - RESERVED	35240002
			00020	6877+TCBRV167 EQU	X'20'	,,C'X' - RESERVED	35240802
			00010	6878+TCBRV168 EQU	X'10'	,,C'X' - RESERVED	35241602
			00008	6879+TCBRV169 EQU	X'08'	,,C'X' - RESERVED	35242402
			00004	6880+TCBRV170 EQU	X'04'	,,C'X' - RESERVED	35243202
			00002	6881+TCBRV171 EQU	X'02'	,,C'X' - RESERVED	35244002
			00001	6882+TCBRV172 EQU	X'01'	,,C'X' - RESERVED	35244802
00001F				6883+TCBRV173 DS	B	- RESERVED	35245602
			00080	6884+TCBRV174 EQU	X'80'	,,C'X' - RESERVED	35246402
			00040	6885+TCBRV175 EQU	X'40'	,,C'X' - RESERVED	35247202
			00020	6886+TCBRV176 EQU	X'20'	,,C'X' - RESERVED	35248002
			00010	6887+TCBRV177 EQU	X'10'	,,C'X' - RESERVED	35248802
			00008	6888+TCBRV178 EQU	X'08'	,,C'X' - RESERVED	35249602
			00004	6889+TCBRV179 EQU	X'04'	,,C'X' - RESERVED	35250402
			00002	6890+TCBRV180 EQU	X'02'	,,C'X' - RESERVED	35251202

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
			00001	6891+TCBRV181 EQU	X'01',,C'X' - RESERVED	35252002
000020			6893+	DS	0D - FORCE LENGTH EQUATE TO DOUBLE WORD	ICB362 35253602
		00020	6894+TCBX2LEN EQU		*-TCBXTNT2 LENGTH OF COMMON EXTENSION	35254402
			00168	6896+TCBLEN EQU	TCBPXLEN+TCBMNLEN+TCBX2LEN - TCB LENGTH INCLUDING	35256002
			6897+*		PREFIX (VALID IF SYS=AOS1 OR SYS=AOS2, BUT	35256802
			6898+*		NOT VALID IF SYS=BOTH)	35257602
			6899+*			35258402
			6900+*		END OF TCB	35259202
			6901+	POP	PRINT	35259602

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
000000				6903	TIOT DSECT	LB1010g
				6904	IEFTIOT1 Task IO Table	LB1010g
				6905	+*%TIOTL1 : ;	01550001
				6906	+	01600001
				6907	+*/* ***** */	01650001
				6908	+*/* TASK INPUT/OUTPUT TABLE */	01700001
				6909	+*/* */	01750001
				6910	+*/* OS/VS1 RELEASE 4, OS/VS2 RELEASE 3, 09/30/74, LEVEL=1 */	01800003
				6911	+*/* */	01850001
				6912	+*/* METHOD OF ACCESS */	01900001
				6913	+*/* BAL - A DSECT CARD SHOULD PRECEDE MACRO CALL. USING ON */	01950001
				6914	+*/* TIOT1 GIVES ADDRESSABILITY FOR ALL SYMBOLS. */	01960001
				6915	+*/* PL/S - DCL TIOTPTR PTR */	01970001
				6916	+*/* ***** */	01980001
				6917	+*%GOTO TIOTL2; /*	01990001
000000				6919	+ DS 0F	02000001
		00000		6920	+TIOT1 EQU * - TIOTPTR	02500002
000000				6921	+TIOCJOB DS CL8 - JOB NAME	03000002
000008				6922	+TIOSTEP DS CL16 - FOR A JOB STEP THAT IS NOT A PROCEDURE	03500002
				6923	+ STEP, 8-BYTE JOB STEP NAME AND 8 RESERVED	03550002
				6924	+ BYTES. FOR A JOB STEP THAT IS A	03600002
				6925	+ PROCEDURE STEP, 8-BYTE PROCEDURE STEP	03650002
				6926	+ NAME AND 8-BYTE JOB STEP NAME OF THE JOB	03700002
				6927	+ STEP THAT CALLED THE PROCEDURE.	03750002
				6929	+*****	04000001
				6930	+*	04500003
				6931	+ DD ENTRY	05000002
				6932	+*	05050002
				6933	+ THERE IS A 16-BYTE DD ENTRY FOR EACH DD STATEMENT IN THE	05100002
				6934	+ JOB STEP OR PROCEDURE STEP. (REFERENCES TO GDG (ALL) DATA	05150002
				6935	+ SETS, THE JOBLIB DATA SET OR PGM=*.DDNAME CREATE STILL	05200002
				6936	+ OTHER DD ENTRIES.)	05250002
				6937	+*	05500001
				6938	+ A DD ENTRY INCLUDES A DEVICE ENTRY. BEFORE ALLOCATION,	06000002
				6939	+ THERE MAY BE SEVERAL DEVICE ENTRIES IN EACH DD ENTRY.	06500002
				6940	+*	07000003
				6941	+*****	07500001
		00018		6943	+TIOENTRY EQU * - TIODDPTR	08000002
000018				6944	+TIOELNGH DS FL1 - LENGTH, IN BYTES, OF THIS ENTRY	08500002
				6945	+ (INCLUDING ALL DEVICE ENTRIES)	08550002
000019				6946	+TIOESTTA DS B - STATUS BYTE A	09000002
		00080		6947	+TIOSLTYP EQU X'80' - NONSTANDARD LABEL (TAPE) (OS/VS1)	09500003
				6948	+ ENTRY NOT IN USE (OS/VS2)	09550003
		00040		6949	+TIOSPLTP EQU X'40' - DURING ALLOCATION, SPLIT CYLINDER	10000002
				6950	+ PRIMARY. (THIS IS THE FIRST DD ENTRY FOR	10050002
				6951	+ A SPLIT CYLINDER.)	10100002
				6952	+ DURING STEP TERMINATION, NO UNALLOCATION	10150002
				6953	+ NECESSARY.	10200002
		00020		6954	+TIOSPLTS EQU X'20' - DURING ALLOCATION, SPLIT CYLINDER	10500002
				6955	+ SECONDARY. (THIS IS NOT THE FIRST DD	10550002
				6956	+ ENTRY FOR A SPLIT CYLINDER.)	10600002
				6957	+ DURING STEP TERMINATION, REWIND BUT NO	10650002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				6958+*	UNLOADING.	10700002
		00010		6959+TIOSJBLB EQU	X'10' - JOBLIB INDICATOR	11000002
		00008		6960+TIOSDADS EQU	X'08' - DADSM ALLOCATION NECESSRY	11500002
		00004		6961+TIOSLABL EQU	X'04' - LABELED TAPE. IF BIT 0 IS OFF, SL OR	12000002
				6962+*	SUL. IF BIT 0 IS ALSO ON, AL OR AUL.	12050002
		00002		6963+TIOSDSP1 EQU	X'02' - REWIND/UNLOAD THE TAPE VOLUME (TAPE)	12500002
				6964+*	PRIVATE VOLUME (DIRECT ACCESS) MDC001	12550002
		00001		6965+TIOSDSP2 EQU	X'01' - REWIND THE TAPE VOLUME (TAPE)	13000002
				6966+*	PUBLIC VOLUME (DIRECT ACCESS) MDC002	13050002
00001A				6967+TIOERLOC DS	0CL2 - RELATIVE LOCATION OF POOL	15500002
00001A				6968+TIOEWTCT DS	CL1 - DURING ALLOCATION, NUMBER OF DEVICES	16000002
				6969+*	REQUESTED FOR THIS DATA SET	16050002
00001B				6970+TIOELINK DS	CL1 - DURING ALLOCATION, LINK TO THE	17500002
				6971+*	APPROPRIATE PRIME SPLIT, UNIT AFFINITY,	17550002
				6972+*	VOLUME AFFINITY OR SUBALLOCATE TIOT	17600002
				6973+*	ENTRY. AFTER ALLOCATION, FLAG BYTE.	17650002
		00080		6974+TIOSYOUT EQU	X'80' - THIS IS A SYSOUT DATA SET THAT CONTAINS	20500002
				6975+*	DATA (AFTER CLOSE)	20550002
		00040		6976+TIOTRV01 EQU	X'40' - RESERVED MDC006	21000002
		00020		6977+TIOOTTERM EQU	X'20' - DEVICE IS A TERMINAL	21500002
		00010		6978+TIOEDYNM EQU	X'10' - DYNAM CODED ON DD STATEMENT	22000002
		00008		6979+TIOEQNAM EQU	X'08' - QNAME CODED ON DD STATEMENT	22500002
		00004		6980+TIOESYIN EQU	X'04' - ENTRY FOR SPOOLED SYSIN DATA SET	22550002
				6981+*	(OS/VS1) MDC003	22560002
		00002		6982+TIOESYOT EQU	X'02' - ENTRY FOR SPOOLED SYSOUT DATA SET	22600002
				6983+*	(OS/VS1) MDC004	22602002
		00002		6984+TIOESSDS EQU	X'02' - ENTRY FOR A SUBSYSTEM DATA SET	22610002
				6985+*	(OS/VS2) MDC005	22620002
		00001		6986+TIOOTREM EQU	X'01' - ENTRY FOR A REMOTE DEVICE ICB340	22650002
00001C				6987+TIOEDDNM DS	CL8 - DD NAME	24000002
000024				6988+TIOEJFCB DS	CL3 - RELATIVE TRACK ADDRESS (TTR) OF THE JFCB.	24500002
				6989+*	(DURING ALLOCATION, TTR OF THE SIOT IF	24550002
				6990+*	SUBALLOCATE WAS REQUESTED.)	24600002
000027				6991+TIOESTTC DS	B - STATUS BYTE C. USED DURING ALLOCATION	25000002
				6992+*	ONLY. SET TO ZEROS AT END OF ALLOCATION.	25050002
		00080		6993+TIOSDKCR EQU	X'80' - MAIN STORAGE OR DASD ADDRESS	25500002
		00040		6994+TIOSDEFER EQU	X'40' - DEFERRED MOUNT	26000002
		00020		6995+TIOSAFFP EQU	X'20' - PRIMARY UNIT AFFINITY	26500002
		00010		6996+TIOSAFFS EQU	X'10' - SECONDARY UNIT AFFINITY	27000002
		00008		6997+TIOSVOLP EQU	X'08' - PRIMARY VOLUME AFFINITY	27500002
		00004		6998+TIOSVOLS EQU	X'04' - SECONDARY VOLUME AFFINITY	28000002
		00002		6999+TIOSBALP EQU	X'02' - PRIMARY SUBALLOCATE	28500002
		00001		7000+TIOSBALS EQU	X'01' - SECONDARY SUBALLOCATE	29000002
				7002+*****		29500001
				7003+*		* 30000003
				7004+*	DEVICE ENTRIES	* 30500002
				7005+*		* 31000001
				7006+*	1. DURING ALLOCATION -	* 31500002
				7007+*	ONE DEVICE ENTRY FOR EACH DEVICE REQUIRED, OR FOR	* 32000001
				7008+*	EACH PUBLIC DEVICE ELIGIBLE.	* 32500001
				7009+*		* 33000001
				7010+*	2. DURING PROBLEM PROGRAM -	* 33500002
				7011+*	ONE DEVICE ENTRY FOR EACH ALLOCATED DEVICE.	* 34000002
				7012+*		* 34500001

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				7013+	*****	35000001
000028				7015+TIOESTTB DS	B - STATUS BYTE B - DURING ALLOCATION AND	35500002
				7016+*	DURING PROBLEM PROGRAM	35550002
		00080		7017+TIOSUSED EQU	X'80' - DATA SET IS ON DEVICE	36000002
		00040		7018+TIOSREQD EQU	X'40' - DATA SET WILL USE DEVICE	36500002
		00020		7019+TIOSPVIO EQU	X'20' - DEVICE VIOLATES SEPARATION	37000002
		00010		7020+TIOSVLSR EQU	X'10' - VOLUME SERIAL PRESENT	37500002
		00008		7021+TIOSSETU EQU	X'08' - SETUP MESSAGE REQUIRED	38000002
		00004		7022+TIOSMNTD EQU	X'04' - IF 0, DELETE UNLOADED VOLUME IF UNLOAD	38500002
				7023+*	REQUIRED. IF 1, RETAIN UNLOADED VOLUME	38550002
				7024+*	IF UNLOAD REQUIRED.	38600002
		00002		7025+TIOSUNLD EQU	X'02' - UNLOAD REQUIRED	39000002
		00001		7026+TIOSVERF EQU	X'01' - VERIFICATION REQUIRED	39500002
000029				7027+TIOEFSRT DS	AL3 - DURING PROBLEM PROGRAM, ADDRESS OF UCB.	40000002
				7028+*	DURING ALLOCATION, BITS 0-11 CONTAIN	40050002
				7029+*	OFFSET, IN THE UCB LOOK-UP TABLE, TO AN	40100002
				7030+*	ADDRESS FOR A DEVICE REQUIRED OR ELIGIBLE	40150002
				7031+*	FOR THIS DATA SET. THE UCB LOOK-UP TABLE	40200002
				7032+*	HAS ADDRESSES OF UCB'S. BITS 12-23	40250002
				7033+*	CONTAIN OFFSET, IN THE STEP VOLUME TABLE	40300002
				7034+*	(VOLT), TO THE VOLUME SERIAL NUMBER FOR	40350002
				7035+*	THE VOLUME REQUIRED OR ELIGIBLE FOR THIS	40400002
				7036+*	DATA SET.	40450002
				7038+*	TIOT POOL ENTRY	40500001
		0002C		7040+POOLSTAR EQU	* 41000001	
00002C				7041+ DS	CL1 - RESERVED	41500002
00002D				7042+TIOPNSLT DS	FL1 - NUMBER OF SLOTS FOR POOL	42000002
00002E				7043+ DS	CL1 - RESERVED	42500002
00002F				7044+TIOPNSRT DS	FL1 - NUMBER OF DEVICES (FILLED SLOTS)	43000002
000030				7045+TIOPPOOL DS	CL8 - POOL NAME	44000002
000038				7046+TIOPSTTB DS	XL1 - STATUS OF SLOT	44500002
000039				7047+TIOPSL0T DS	AL3 - UCB ADDRESS OR EMPTY SLOT	45000002
00003C				7048+TIOTFEND DS	CL4 - FINAL END OF THE TIOT - BINARY ZEROS	45500002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
000000				7050 JFCB	DSECT	LB1010g
				7051	IEFJFCBN LIST=YES Job File Control Block	LB1010g
				7052+*%JFCBL1 :		00350000
				7053+*		00360000
				7054+*/	*****	*/ 00400000
				7055+*/		*/ 00500000
				7056+*/	JOB FILE CONTROL BLOCK	*/ 00600000
				7057+*/		*/ 00700000
				7058+*/	OS/VS2 038 PTF @YA05186	*/ 00705000
				7059+*/		*/ 00762000
				7060+*/	METHOD OF ACCESS	*/ 00772000
				7061+*/	BAL - A DSECT CARD SHOULD PRECEDE MACRO CALL. USING ON	*/ 00782000
				7062+*/	INFMJFCB GIVES ADDRESSABILITY FOR ALL SYMBOLS.	*/ 00792000
				7063+*/	PL/S - DCL JFCBPTR PTR	*/ 00794000
				7064+*/		*/ 00796000
				7065+*/	F.E.'S	*/ 00798000
				7066+*/	MICROFICHE LISTING - IEFJFCBN	*/ 00798400
				7067+*/		*/ 00798800
				7068+*/	DEVELOPERS	*/ 00799200
				7069+*/	BAL LISTING - SPECIFY LIST=YES ON MACRO CALL.	*/ 00799600
				7070+*/	PL/S LISTING - SPECIFY %IHALIST='YES' BEFORE INCLUDE.	*/ 00799700
				7071+*/		*/ 00799800
				7072+*/	FOR INTEGRATION A LISTING SHOULD NOT BE REQUESTED.	*/ 00799900
				7073+*/		*/ 00800100
				7074+*/	CHANGE ACTIVITY = YA05186 @YA05186	*/ 00800300
				7075+*/		*/ 00800500
				7076+*/	A - DECLARED STRUCTURE TO THE JFCAMPTR FIELD. THE @YA05186	*/ 00800700
				7077+*/	STRUCTURE SHOWS THE PLACEMENT OF THE SVA WITHIN @YA05186	*/ 00800900
				7078+*/	THE 4 CHARACTER FIELD. @YA05186	*/ 00801100
				7079+*/	*****	*/ 00801300
				7080+*%GOTO JFCBL2; /*		00802000
				7081+	PUSH PRINT	00802400
000000				7083+	DS 0F	00810000
				7084+INFMJFCB EQU	*	00900000
000000		000000		7085+JFCBQNAM DS	0CL8 - PROCESS QUEUE NAME SPECIFIED BY THE QNAME	00910000
				7086+*	KEYWORD (TCAM)	00920000
000000				7087+JFCBDSNM DS	CL44 - DATA SET NAME	01000000
00002C				7088+JFCIPLTX DS	0CL7 - MODULE NAME OF NETWORK CONTROL PROGRAM (TCAM)	01050000
				7089+*	ICB391	01060000
00002C				7090+JFCBELNM DS	CL8 - ELEMENT NAME OR RELATIVE GENERATION NUMBER.	01100000
				7091+*	TYPE OF AREA (INDEX, PRIME OR OVERFLOW) FOR	01200000
				7092+*	AN INDEXED SEQUENTIAL DATA SET ONLY.	01300000
000034				7093+JFCBTSDM DS	B - JOB MANAGEMENT/DATA MANAGEMENT INTERFACE	01400000
		00080		7094+JFCCAT EQU	X'80' - DATA SET IS CATALOGED	01500000
		00040		7095+JFCVSL EQU	X'40' - VOLUME SERIAL LIST HAS BEEN CHANGED	01600000
		00020		7096+JFCSDS EQU	X'20' - DATA SET IS A SYSIN OR SYSOUT DATA SET	01700000
		00010		7097+JFCTTR EQU	X'10' - A JOB STEP IS TO BE RESTARTED. USE JFCBOTTR	01800000
				7098+*	INSTEAD OF DS1LSTAR FIELD TO REPOSITION DATA	01850000
				7099+*	SET IF AUTOMATIC STEP RESTART OCCURS. (THIS	01900000
				7100+*	JOB HAD ABEND PROCESSING FOR A DATA SET OPENED	01950000
				7101+*	FOR MOD.)	02000000
		00008		7102+JFCNWRIT EQU	X'08' - DO NOT WRITE BACK THE JFCB DURING OPEN	02100000
				7103+*	PROCESSING	02200000
		00004		7104+JFCNDSCB EQU	X'04' - DO NOT MERGE DSCB OR LABEL FIELDS INTO THIS	02300000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				7105+*	JFCB	02400000
		00002		7106+JFCNDCB EQU	X'02' - DO NOT MERGE DCB FIELDS INTO THIS JFCB	02500000
		00001		7107+JFCPAT EQU	X'01' - THE PATTERNING DSCB IS COMPLETE	02600000
000035				7108+JFCBDSCB DS	CL3 - TTR ADDRESS OF THE FORMAT 1 DSCB FOR DATA SET	02700000
				7109+*	PART ON THE FIRST VOLUME OF THE DATA SET	02750000
				7110+*	ICB398	02752000
000038				7111+JFCFCBID DS	0CL4 - FORMS CONTROL BUFFER IMAGE IDENTIFICATION FOR	02760000
				7112+*	THE 3211 PRINTER OR DATA PROTECTION IMAGE	02760400
				7113+*	IDENTIFICATION FOR THE 3525 CARD PUNCH WITH	02760800
				7114+*	THE READ AND PRINT FEATURES OR FORMAT RECORD	02763000
				7115+*	ID MDC007	02765300
000038				7116+JFCBFRID DS	0CL4 - LAST 4 CHARACTERS OF A PDS MEMBER TO BE USED	02767500
				7117+*	IN THE INTERPRETATION OF DOCUMENTS READ BY	02769700
				7118+*	3886 DEVICE FOR THIS STEP MDC024	02771900
000038				7119+JFCAMCRO DS	BL2 - VSAM CHECKPOINT/RESTART OPTION INDICATORS	02774100
				7120+*	ICB438	02776300
00003A				7121+JFCAMSTR DS	H - NUMBER OF STRINGS ICB438	02778500
00003C				7122+JFCBADBF DS	H - NUMBER OF DATA BUFFERS ICB438	02780700
00003E				7123+JFCNLREC DS	H - LOGICAL RECORD LENGTH FOR VSAM ICB438	02782900
000040				7124+JFCVINDX DS	H - MASS STORAGE SYSTEM COMMUNICATOR (MSSC) VOLUME	02787300
				7125+*	SELECTION INDEX (MDC308) @Z30LP9A	02793300
000042				7126+JFCBLTYP DS	B - LABEL TYPE	02800000
		00080		7127+JFCRSV38 EQU	X'80',,C'X' RESERVED	02810000
		00040		7128+JFCBAL EQU	X'40' - AMERICAN NATIONAL STANDARD TAPE LABELS (AL OR	02850000
				7129+*	IF BIT 4 IS ALSO ON, AUL)	02852000
		00020		7130+JFCBLTM EQU	X'20' - UNLABELLED TAPE CREATED BY DOS MAY HAVE	02860000
				7131+*	LEADING TAPE MARK. OPEN/CLOSE/EOV AND RESTART	02870000
				7132+*	MUST SPACE OVER A TAPE MARK IF ONE EXISTS.	02880000
				7133+*	ICB398	02890000
		00010		7134+JFCBLP EQU	X'10' - BYPASS LABEL PROCESSING	02900000
		0000A		7135+JFCSUL EQU	X'0A' - USER LABEL	03000000
		00004		7136+JFCNSL EQU	X'04' - NONSTANDARD LABEL	03100000
		00002		7137+JFCSL EQU	X'02' - STANDARD LABEL	03200000
		00001		7138+JFCNL EQU	X'01' - NO LABEL	03300000
000043				7139+JFCBOTTR DS	0CL3 - DASD MOD DATA SET - IF AUTOMATIC STEP RESTART	03400000
				7140+*	WAS REQUESTED, TTR OF THE END-OF-DATA	03500000
				7141+*	INDICATOR EXISTING WHEN THE DATA SET WAS FIRST	03600000
				7142+*	OPENED DURING THE ORIGINAL EXECUTION OF THE	03700000
				7143+*	CURRENT STEP	03750000
000043				7144+JFCBUFOF DS	FL1 - TAPE DATA SET - THIS FIELD CONTAINS THE BUFFER	03800000
				7145+*	OFFSET (DCB SUBPARAMETER VALUE)	03810000
		00080		7146+JFCBFOFL EQU	X'80' - IF 1, THE OFFSET EQUALS FOUR AND THE BUFFER	03850000
				7147+*	OFFSET FIELD OF EACH BLOCK (D-FORMAT RECORDS)	03860000
				7148+*	CONTAINS THE BLOCK LENGTH (SPECIFIED BY	03870000
				7149+*	BUFOFF=L).	03872000
				7150+*	IF 0, THE OFFSET IS AS SPECIFIED IN THE	03874000
				7151+*	REMAINING SEVEN BITS AND THE BUFFER OFFSET	03876000
				7152+*	FIELD OF EACH BLOCK DOES NOT CONTAIN THE	03878000
				7153+*	BLOCK LENGTH.	03878400
000044				7154+JFCFUNC DS	0B - FUNCTION INDICATORS FOR THE 3525 CARD PUNCH	03880000
				7155+*	(SPECIFIED BY THE FUNC PARAMETER) ICB392	03882000
		00080		7156+JFCFNCCI EQU	X'80' - I - INTERPRET (PUNCH AND PRINT TWO LINES)	03890000
				7157+*	ICB392	03890400
		00040		7158+JFCFNCCI EQU	X'40' - R - READ ICB392	03892000
		00020		7159+JFCFNCCP EQU	X'20' - P - PUNCH ICB392	03894000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
			00010	7160+JFCFNCBW	EQU	X'10' - W - PRINT	ICB392 03896000
			00008	7161+JFCFNCBD	EQU	X'08' - D - DATA PROTECTION	ICB392 03898000
			00004	7162+JFCFNCBX	EQU	X'04' - X - THIS DATA SET IS TO BE PRINTED. THIS MAY	03898400
				7163+*		BE CODED WITH PW OR RPW TO DISTINGUISH THE	03898500
				7164+*		DATA SET TO BE PRINTED FROM THE DATA SET TO	03898600
				7165+*		BE PUNCHED.	ICB392 03898700
			00002	7166+JFCFNCBT	EQU	X'02' - T - TWO-LINE PRINT SUPPORT REQUEST. THE	03898800
				7167+*		SECOND PRINT LINE IS LOCATED ON CARD LINE	03898900
				7168+*		THREE.	ICB392 03899000
			00001	7169+JFCRSV31	EQU	X'01',,C'X' RESERVED	03899200
000044				7170+JFCBFLSQ	DS	H - FOR MAGNETIC TAPE DEVICES, FILE SEQUENCE	03900000
				7171+*		NUMBER	04000000
000046				7172+JFCBVLSQ	DS	H - VOLUME SEQUENCE NUMBER	04100000
000048				7173+JFCBMASK	DS	0CL8 - DATA MANAGEMENT MASK	04200000
000048				7174+JFCBOPS1	DS	BL5 - OPEN ROUTINE INTERNAL SWITCHES	04300000
00004D				7175+JFCBFLG1	DS	B - FLAG BYTE	04400000
			00080	7176+JFCSTAND	EQU	X'80' - VOLUME LABEL PROCESSING STANDARD	04500000
			00040	7177+JFCSLCRE	EQU	X'40' - CREATION OF A STANDARD LABEL IS NECESSARY	04600000
			00020	7178+JFCSLDES	EQU	X'20' - DESTRUCTION OF A STANDARD LABEL IS NECESSARY	04800000
			00010	7179+JFCDUAL	EQU	X'10' - DUAL-DENSITY CHECK DETECTED	05000000
			0000F	7180+JFCOPEN	EQU	X'0F' - OPEN ROUTINE INTERNAL SWITCHES	05100000
			00001	7181+JFCBPWBP	EQU	X'01' - PASSWORD BYPASS INDICATOR	MDC010 05150000
00004E				7182+JFCBFLG2	DS	B - FLAG BYTE OF OPEN SWITCHES	05200000
			00080	7183+JFCINOP	EQU	X'80' - TREAT THE INOUT OPTION OF OPEN AS INPUT	05300000
			00040	7184+JFCOUTOP	EQU	X'40' - TREAT THE OUTIN OPTION OF OPEN AS OUTPUT	05400000
			00020	7185+JFCDEFER	EQU	X'20' - SET ONLY IN A JFCB RECORDED IN A DATA SET	05500000
				7186+*		DESCRIPTOR RECORD (DSDR) BY THE CHECKPOINT	05510000
				7187+*		ROUTINE. INDICATES THAT THE DATA SET RELATED	05520000
				7188+*		TO THE JFCB IS BEING PROCESSED SEQUENTIALLY,	05550000
				7189+*		AT THE CHECKPOINT, ON A VOLUME OTHER THAN THE	05600000
				7190+*		VOLUME ON WHICH PROCESSING BEGAN IN THE	05700000
				7191+*		CURRENT STEP. WHEN RESTART OCCURS, THIS BIT	05800000
				7192+*		CAUSES DEFERRED VOLUME MOUNTING.	05900000
			00020	7193+JFCNRPS	EQU	X'20' - USE BY OPEN ROUTINES - SET TO INDICATE THAT	05950000
				7194+*		THIS DATA SET RESIDES ON A NON-RPS DEVICE.	05960000
				7195+*		RESET TO ZERO WHEN OPEN PROCESSING IS	05970000
				7196+*		COMPLETED.	ICB495 05980000
			00010	7197+JFCMODNW	EQU	X'10' - DISPOSITION OF THIS DATA SET HAS BEEN CHANGED	06000000
				7198+*		FROM MOD TO NEW. DISPOSITION (IN JFCBIND2)	06100000
				7199+*		WILL BE RESTORED TO MOD AFTER OPEN.	06200000
			00008	7200+JFCSDRPS	EQU	X'08' - USE SEARCH DIRECT FOR ROTATIONAL POSITION	06202000
				7201+*		SENSING (RPS) DEVICES	ICB398 06204000
			00004	7202+JFCTRACE	EQU	X'04' - GTF TRACE IS TO OCCUR DURING OPEN/CLOSE/EOV	06210000
				7203+*		AND DYNAMIC ALLOCATION PROCESSING OF DCB	06220000
				7204+*			ICB392 06230000
			00002	7205+JFCBBUFF	EQU	X'02' - INDICATOR TO OPEN THAT A NON-ZERO VALUE IN	06250000
				7206+*		JFCBOTTR IS NOT TO PREVENT THE NORMAL STORING	06260000
				7207+*		BY OPEN OF A TTR IN JFCBOTTR. BEFORE OPEN -	06270000
				7208+*		JFCBUFOF (OFFSET 67) CONTAINS A BUFFER OFFSET	06272000
				7209+*		OR INVALID INFORMATION RESULTING FROM A	06274000
				7210+*		JFCB-TO-JFCB MERGE. AFTER OPEN - OPEN MAY	06276000
				7211+*		HAVE STORED A TTR IN JFCBOTTR (OFFSET 67), IN	06278000
				7212+*		WHICH CASE OPEN WILL HAVE SET THIS BIT TO	06278400
				7213+*		ZERO.	06278800
			00001	7214+JFCRCTLG	EQU	X'01' - OPEN HAS UPDATED THE TTR. SCHEDULER STEP	06280000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				7215+*	TERMINATION ROUTINE IS TO RECATALOG THIS DATA	06282000
				7216+*	SET AND PLACE IN THE CATALOG ENTRY THE DSCB	06290000
				7217+*	TTR CONTAINED IN JFCBDSCB IF THIS DATA SET IS	06292000
				7218+*	CATALOGED. ICB398	06294000
00004F				7219+JFCBOPS2 DS	B - OPEN ROUTINE INTERNAL SWITCHES	06300000
000050				7220+JFCBCRDT DS	CL3 - DATA SET CREATION DATE (YDD, Y=YEAR AND	06400000
				7221+*	DD=DAY)	06450000
000053				7222+JFCBXPDT DS	CL3 - DATA SET EXPIRATION DATE (YDD)	06500000
000056				7223+JFCBIND1 DS	B - INDICATOR BYTE 1	06700000
		000C0		7224+JFCRLSE EQU	X'C0' - RELEASE EXTERNAL STORAGE	07000000
		00030		7225+JFCLOC EQU	X'30' - DATA SET HAS BEEN LOCATED	07100000
		0000C		7226+JFCADDED EQU	X'0C' - NEW VOLUME HAS BEEN ADDED TO THE DATA SET	07200000
		00002		7227+JFCGDG EQU	X'02' - DATA SET IS A MEMBER OF A GENERATION DATA	07300000
				7228+*	GROUP	07400000
		00001		7229+JFCPDS EQU	X'01' - DATA SET IS A MEMBER OF A PARTITIONED DATA SET	07500000
				7231+*****		07700000
				7232+*		07800000
				7233+*	THE FOLLOWING FOUR BIT SETTINGS ARE FROM AN OLD MAPPING MACRO	07900000
				7234+*	THESE FOUR WILL BE REMOVED IN A FUTURE RELEASE. USE THE	08100000
				7235+*	FOREGOING SYMBOLS FOR JFCBIND1	08300000
				7236+*		08400000
				7237+*****		08500000
		00040		7238+JFCBRLSE EQU	X'40' - BITS 0 & 1 - EXTERNAL STORAGE RELEASE	08600000
				7239+*	INDICATOR	08700000
		00010		7240+JFCBLOCT EQU	X'10' - BITS 2 & 3 - DATA SET HAS BEEN LOCATED	08800000
		00004		7241+JFCBNEWV EQU	X'04' - BITS 4 & 5 - NEW VOLUME ADDED TO DATA SET	08900000
		00001		7242+JFCBPMEM EQU	X'01' - BITS 6 & 7 - DATA SET IS A MEMBER OF A	09000000
				7243+*	PDS OR GDG	09100000
				7244+*****		09150000
000057				7246+JFCBIND2 DS	B - INDICATOR BYTE 2	09300000
		000C0		7247+JFCDISP EQU	X'C0' - BIT PATTERN FOR NEW, MOD, OLD	09600000
		000C0		7248+JFCNEW EQU	X'C0' - NEW DATA SET	09700000
		00080		7249+JFCMOD EQU	X'80' - MOD DATA SET	09800000
		00040		7250+JFCOLD EQU	X'40' - OLD DATA SET	09900000
		00030		7251+JFCBRWPW EQU	X'30' - PASSWORD IS REQUIRED TO WRITE BUT NOT TO READ	10000000
				7252+*	(DATA SET SECURITY)	10100000
		00010		7253+JFCSECUR EQU	X'10' - PASSWORD IS REQUIRED TO READ OR TO WRITE	10200000
				7254+*	(DATA SET SECURITY)	10250000
		00008		7255+JFCSHARE EQU	X'08' - SHARED DATA SET	10300000
		00004		7256+JFCENT EQU	X'04' - DELETE THIS JFCB BEFORE ALLOCATION FOR A	10400000
				7257+*	RESTARTED GENERATION DATA GROUP	10450000
		00002		7258+JFCREQ EQU	X'02' - STORAGE VOLUME REQUESTED	10800000
		00001		7259+JFCTEMP EQU	X'01' - TEMPORARY DATA SET	10900000
				7261+*****		11000000
				7262+*		11100000
				7263+*	THE FOLLOWING THREE BIT SETTINGS ARE FROM AN OLD MAPPING MACRO	11200000
				7264+*	THESE THREE WILL BE REMOVED IN A FUTURE RELEASE. USE THE	11400000
				7265+*	FOREGOING SYMBOLS FOR JFCBIND2	11600000
				7266+*		11700000
				7267+*****		11800000
		00040		7268+JFCBSTAT EQU	X'40' - BITS 0 & 1 - DATA SET STATUS (NEW,	11900000
				7269+*	OLD OR MOD)	12000000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
		00010		7270+	JFCBSCTY EQU X'10' - BIT 3 DATA SET SECURITY INDICATOR	12100000
		00004		7271+	JFCBGDGA EQU X'04' - BITS 4 & 5 - THIS JFCB IS A MEMBER OF A	12200000
				7272+	* GDG-ALL REQUEST	12300000
				7273+	*****	12350000
000058				7275+	JFCAMPTR DS 0A - POINTER TO AMPBLK FOR ADDITIONAL VSAM	12360000
				7276+	* PARAMETERS ICB438	12370000
000058				7277+	JFCAMSVA DS 0CL3 - SVA OF AMPX CONTROL BLOCK EXTENSION	12380000
				7278+	* TO THE JFCB YA05186	12390000
000058				7279+	JFCBUFNO DS 0XL1 - NUMBER OF BUFFERS REQUIRED FOR THIS DATA SET	12400000
				7280+	* (ACCESS METHODS OTHER THAN TCAM AND QTAM)	12500000
000058				7281+	JFCBUFIN DS 0XL1 - BITS 0-3 CONTAIN THE NUMBER OF BUFFERS	12700000
				7282+	* ASSIGNED INITIALLY FOR RECEIVING OPERATIONS	12702000
				7283+	* FOR EACH LINE IN A LINE GROUP (TCAM)	12704000
000058				7284+	JFCBFOUT DS 0XL1 - BITS 4-7 CONTAIN THE NUMBER OF BUFFERS	12710000
				7285+	* ASSIGNED INITIALLY FOR SENDING OPERATIONS FOR	12760000
				7286+	* EACH LINE IN A LINE GROUP (TCAM)	12770000
000058				7287+	JFCBUFRQ DS XL1 - NUMBER OF BUFFERS REQUIRED FOR EACH LINE	12800000
				7288+	* (QTAM)	12900000
000059				7289+	JFCBGNCP DS 0FL1 - FOR GAM, THIS FIELD IS USED FOR THE NUMBER OF	12950000
				7290+	* IOB'S CONSTRUCTED BY THE OPEN ROUTINE.	12960000
				7291+	* MAXIMUM NUMBER IS 99. MDC025	12970000
000059				7292+	JFCBHIAR DS 0BL1 - BUFFER POOL LOCATION IN MAIN STORAGE	13000000
				7293+	* (HIERARCHY)	13100000
000059				7294+	JFCBFALN DS 0BL1 - BUFFER ALIGNMENT	13200000
000059				7295+	JFCBFTEK DS B - BUFFERING TECHNIQUE	13300000
		00084		7296+	JFCHIER EQU X'84' - BITS 0 AND 5 DESCRIBE MAIN STORAGE HIERARCHY.	13600000
				7297+	* BOTH BITS OFF, HIERARCHY 0.	13700000
				7298+	* BIT 0 OFF AND BIT 5 ON, HIERARCHY 1.	13800000
		00040		7299+	JFCSIM EQU X'40' - S - SIMPLE BUFFERING	13900000
		00060		7300+	JFCBBFTA EQU X'60' - A - FOR QSAM LOCATE MODE PROCESSING OF SPANNED	13950000
				7301+	* RECORDS, AUTOMATIC RECORD AREA CONSTRUCTION	13960000
				7302+	* DURING LOGICAL RECORD INTERFACE PROCESSING.	13970000
				7303+	* OPEN IS TO CONSTRUCT A RECORD AREA IF IT	13980000
				7304+	* AUTOMATICALLY CONSTRUCTS BUFFERS.	13990000
		00020		7305+	JFCBBFTR EQU X'20' - R - FOR BSAM CREATE BDAM PROCESSING OR BDAM	13992000
				7306+	* PROCESSING OF UNBLOCKED SPANNED RECORDS,	13994000
				7307+	* SOFTWARE TRACK OVERFLOW. OPEN FORMS A SEGMENT	13996000
				7308+	* WORK AREA POOL AND STORES THE ADDRESS OF THE	13998000
				7309+	* SEGMENT WORK AREA CONTROL BLOCK IN THE DCBE0BW	13998400
				7310+	* FIELD OF THE DATA CONTROL BLOCK. WRITE USES	13998800
				7311+	* A SEGMENT WORK AREA TO WRITE A RECORD AS ONE	13999200
				7312+	* OR MORE SEGMENTS.	13999600
				7313+	* FOR BSAM INPUT PROCESSING OF UNBLOCKED SPANNED	13999700
				7314+	* RECORDS WITH KEYS, RECORD OFFSET PROCESSING.	13999800
				7315+	* READ READS ONE RECORD SEGMENT INTO THE RECORD	13999900
				7316+	* AREA. THE FIRST SEGMENT OF A RECORD IS	14033200
				7317+	* PRECEDED IN THE RECORD AREA BY THE KEY.	14043200
				7318+	* SUBSEQUENT SEGMENTS ARE AT AN OFFSET EQUAL TO	14053200
				7319+	* THE KEY LENGTH.	14063200
		00010		7320+	JFCExc EQU X'10' - E - EXCHANGE BUFFERING	14066700
		00008		7321+	JFCdYN EQU X'08' - DYNAMIC BUFFERING	14100000
		00004		7322+	JFCHIER1 EQU X'04' - HIERARCHY 1 MAIN STORAGE	14200000
		00002		7323+	JFCdWORD EQU X'02' - D - DOUBLE WORD BOUNDARY	14300000
		00001		7324+	JFCfWORD EQU X'01' - F - FULL WORD NOT A DOUBLE WORD BOUNDARY	14400000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
00005A				7325+JFCBUFL	DS	H - BUFFER LENGTH	14500000
00005C				7326+JFCEROPT	DS	B - ERROR OPTION. DISPOSITION OF PERMANENT ERRORS	14600000
				7327+*		IF USER RETURNS FROM A SYNCHRONOUS ERROR	14650000
				7328+*		EXIT. (QSAM)	14660000
		00080		7329+JFCACC	EQU	X'80' - ACCEPT	14700000
		00040		7330+JFCSKP	EQU	X'40' - SKIP	14800000
		00020		7331+JFCABN	EQU	X'20' - ABNORMAL END OF TASK	14900000
		00010		7332+JFCTOPT	EQU	X'10' - ON-LINE TERMINAL TEST (BTAM)	ICB349 14950000
		00008		7333+JFCRSV02	EQU	X'08' , , C'X' RESERVED	14960000
		00004		7334+JFCRSV03	EQU	X'04' , , C'X' RESERVED	14970000
		00002		7335+JFCRSV04	EQU	X'02' , , C'X' RESERVED	14980000
		00001		7336+JFCRSV05	EQU	X'01' , , C'X' RESERVED	14990000
00005D				7337+JFCTRTCH	DS	0CL1 - TAPE RECORDING TECHNIQUE FOR 7-TRACK TAPE	15000000
		00023		7338+JFCEVEN	EQU	X'23' - E - EVEN PARITY	15200000
		0003B		7339+JFCTTRAN	EQU	X'3B' - T - EOD/EBCDIC TRANSLATION	15300000
		00013		7340+JFCCONV	EQU	X'13' - C - DATA CONVERSION	15400000
		0002B		7341+JFCTREV	EQU	X'2B' - ET - EVEN PARITY AND TRANSLATION	15500000
00005D				7342+JFCKEYLE	DS	0XL1 - DIRECT ACCESS KEY LENGTH	15600000
00005D				7343+JFCCODE	DS	0BL1 - CONVERSION CODE (PAPER TAPE)	15800000
		00080		7344+JFCNOCON	EQU	X'80' - N - NO CONVERSION	15900000
		00040		7345+JFCBCD	EQU	X'40' - I - IBM BCD	16000000
		00020		7346+JFCFRI	EQU	X'20' - F - FRIDEN	16100000
		00010		7347+JFCBUR	EQU	X'10' - B - BURROUGHS	16200000
		00008		7348+JFCNCR	EQU	X'08' - C - NATIONAL CASH REGISTER	16300000
		00004		7349+JFCASCI	EQU	X'04' - A - ASCII (8-TRACK)	16400000
		00002		7350+JFCTTY	EQU	X'02' - T - TELETYPE	16500000
		00001		7351+JFCRSV32	EQU	X'01' , , C'X' RESERVED	16510000
00005D				7352+JFCMODE	DS	0BL1 - MODE OF OPERATION (CARD READER, CARD PUNCH)	16550000
				7353+*			ICB394 16560000
00005D				7354+JFCSTACK	DS	0BL1 - STACKER SELECTION (CARD READER, CARD PUNCH)	16600000
		00080		7355+JFCBIN	EQU	X'80' - C - COLUMN BINARY MODE	16700000
		00040		7356+JFCEBCD	EQU	X'40' - E - EBCDIC MODE	16800000
		00020		7357+JFCMODE0	EQU	X'20' - 0 - OPTICAL MARK READ MODE (3505 ONLY)	ICB394 16850000
		00010		7358+JFCMODER	EQU	X'10' - R - READ COLUMN ELIMINATE MODE (3505 AND 3525	16860000
				7359+*		WITH READ FEATURE)	ICB394 16862000
		00008		7360+JFCRSV06	EQU	X'08' , , C'X' RESERVED	16870000
		00004		7361+JFCRSV07	EQU	X'04' , , C'X' RESERVED	16880000
		00002		7362+JFCTWO	EQU	X'02' - 2 - STACKER TWO	16900000
		00001		7363+JFCONE	EQU	X'01' - 1 - STACKER ONE	17000000
00005D				7364+JFCPRTSP	DS	B - NORMAL PRINTER SPACING	17100000
		00019		7365+JFCSPTHR	EQU	X'19' - 3 - SPACE THREE LINES	17200000
		00011		7366+JFCSP TWO	EQU	X'11' - 2 - SPACE TWO LINES	17300000
		00009		7367+JFCSPONE	EQU	X'09' - 1 - SPACE ONE LINE	17400000
		00001		7368+JFCSPNO	EQU	X'01' - 0 - NO SPACING	17500000
00005E				7369+JFCDEN	DS	B - TAPE DENSITY - 2400/3400 SERIES MAGNETIC TAPE	17600000
				7370+*		UNITS	17650000
		00003		7371+JFC200	EQU	X'03' - 7-TRACK 200 BPI	17700000
		00043		7372+JFC556	EQU	X'43' - 7-TRACK 556 BPI	17800000
		00083		7373+JFC800	EQU	X'83' - 7-TRACK AND 9-TRACK 800 BPI	17900000
		000C3		7374+JFC1600	EQU	X'C3' - 9-TRACK 1600 BPI	18000000
		000D3		7375+JFC6250	EQU	X'D3' - 9-TRACK 6250 BPI	ICB474 18010000
00005F				7376+JFCBABFS	DS	0FL3 - TOTAL BUFFER SIZE FOR ALL VSAM BUFFERS	ICB438 18050000
00005F				7377+JFCLIMCT	DS	0CL3 - SEARCH LIMIT (BDAM)	18100000
00005F				7378+	DS	CL1 - RESERVED	18200000
000060				7379+JFCTRKBL	DS	CL2 - DATA SET OPENED FOR MOD - IF AUTOMATIC STEP	18300000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				7380+*	RESTART WAS REQUESTED, TRACK BALANCE EXISTING	18500000
				7381+*	WHEN THE DATA SET WAS FIRST OPENED DURING THE	18600000
				7382+*	ORIGINAL EXECUTION OF THE CURRENT STEP	18700000
000062				7383+JFCDSORG DS	0BL2 - DATA SET ORGANIZATION BEING USED	18900000
000062				7384+JFCDSRG1 DS	B - BYTE 1 OF JFCDSORG	19000000
		00080		7385+JFCORGIS EQU	X'80' - INDEXED SEQUENTIAL	19100000
		00040		7386+JFCORGPS EQU	X'40' - PHYSICAL SEQUENTIAL	19200000
		00020		7387+JFCORGDA EQU	X'20' - DIRECT	19300000
		00010		7388+JFCORGCX EQU	X'10' - BTAM OR QTAM LINE GROUP	MDC011 19310000
		00008		7389+JFCORGCQ EQU	X'08' - QTAM DIRECT ACCESS MESSAGE QUEUE	MDC012 19320000
		00004		7390+JFCORGMQ EQU	X'04' - QTAM PROBLEM PROGRAM MESSAGE QUEUE	MDC013 19330000
		00002		7391+JFCORGPO EQU	X'02' - PARTITIONED	19400000
		00001		7392+JFCORGU EQU	X'01' - UNMOVABLE - THE DATA CONTAINS LOCATION	19500000
				7393+*	DEPENDENT INFORMATION	19600000
000063				7394+JFCDSRG2 DS	B - BYTE 2 OF JFCDSORG	19700000
		00080		7395+JFCORGGs EQU	X'80' - GRAPHICS	19800000
		00040		7396+JFCORGTx EQU	X'40' - TCAM LINE GROUP	MDC014 19810000
		00020		7397+JFCORGTQ EQU	X'20' - TCAM MESSAGE QUEUE	MDC015 19820000
		00010		7398+JFCRSV13 EQU	X'10' , , C'X' RESERVED, BINARY ZERO	19830000
		00008		7399+JFCORGAM EQU	X'08' - VSAM	ICB438 19850000
		00004		7400+JFCORGTR EQU	X'04' - TCAM 3705	MDC016 19860000
		00002		7401+JFCRSV15 EQU	X'02' , , C'X' RESERVED, BINARY ZERO	19870000
		00001		7402+JFCRSV16 EQU	X'01' , , C'X' RESERVED, BINARY ZERO	19880000
000064				7403+JFCRECFM DS	B - RECORD FORMAT	19900000
		000C0		7404+JFCFMREC EQU	X'C0' - HIGH-ORDER TWO BITS OF JFCRECFM TO BE TESTED	20000000
				7405+*	FOR RECORD FORMAT	20100000
		000C0		7406+JFCUND EQU	X'C0' - U - UNDEFINED	20900000
		00080		7407+JFCFIX EQU	X'80' - F - FIXED	21000000
		00040		7408+JFCVAR EQU	X'40' - V - VARIABLE	21100000
		000E0		7409+JFCRCFM EQU	X'E0' - RECORD FORMAT (USASI/USASCII)	21250000
		00020		7410+JFCVARD EQU	X'20' - D - VARIABLE (FORMAT D FOR USASI/USASCII)	21260000
		00020		7411+JFCRFO EQU	X'20' - T - TRACK OVERFLOW	21300000
		00010		7412+JFCRFB EQU	X'10' - B - BLOCKED - MAY NOT OCCUR WITH UNDEFINED	21400000
		00008		7413+JFCRFS EQU	X'08' - S - FOR FIXED LENGTH RECORD FORMAT, STANDARD	21500000
				7414+*	BLOCKS. NO TRUNCATED BLOCKS OR UNFILLED	21550000
				7415+*	TRACKS ARE EMBEDDED IN THE DATA SET.	21600000
				7416+*	FOR VARIABLE LENGTH RECORD FORMAT, SPANNED	21650000
				7417+*	RECORDS.	21700000
		00006		7418+JFCCHAR EQU	X'06' - CONTROL CHARACTER	21800000
		00004		7419+JFCASA EQU	X'04' - A - AMERICAN NATIONAL STANDARD (ASA) CONTROL	22600000
				7420+*	CHARACTER	22650000
		00002		7421+JFCMAC EQU	X'02' - M - MACHINE CODE CONTROL CHARACTER	22700000
		00000		7422+JFCNOCC EQU	X'00' - NO CONTROL CHARACTER	22800000
000065				7423+JFCOPTCD DS	B - OPTION CODES	22900000
				7425+*	QSAM - BSAM - BPAM	23000000
		00080		7426+JFCWVCSP EQU	X'80' - W - WRITE VALIDITY CHECK	23100000
		00040		7427+JFCALLOW EQU	X'40' - U - ALLOW A DATA CHECK CAUSED BY AN INVALID	23200000
				7428+*	CHARACTER (1403 PRINTER WITH UCS FEATURE)	23300000
		00020		7429+JFCPCIBT EQU	X'20' - C - CHAINED SCHEDULING USING THE PROGRAM	23400000
				7430+*	CONTROLLED INTERRUPTION	23500000
		00010		7431+JFCBCKPT EQU	X'10' - BYPASS EMBEDDED DOS CHECKPOINT RECORDS ON TAPE	23550000
				7432+*	ICB398	23560000
		00008		7433+JFCRSV18 EQU	X'08' , , C'X' RESERVED	23570000
		00004		7434+JFCREDUC EQU	X'04' - Z - USE REDUCED ERROR RECOVERY PROCEDURE	23600000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				7435+*	(MAGNETIC TAPE) (EXCP ALSO)	23700000
		00004		7436+JFCSRCHD EQU	X'04' - USE SEARCH DIRECT (SD), INSTEAD OF SEARCH	23750000
				7437+*	PREVIOUS, ON ROTATIONAL POSITION SENSING (RPS)	23760000
				7438+*	DEVICE. (DIRECT ACCESS)	23770000
		00002		7439+JFCRSV21 EQU	X'02',,C'X' RESERVED	23780000
		00001		7440+JFCOPTJ EQU	X'01' - J - 3800 CONTROL CHARACTER (MDC301) @Z40MP9A	23790000
				7442+*	BISAM - QISAM	23800000
		00080		7443+JFCWVCIS EQU	X'80' - W - WRITE VALIDITY CHECK	23900000
		00040		7444+JFCRSV17 EQU	X'40',,C'X' RESERVED	23950000
		00020		7445+JFCMAST EQU	X'20' - M - MASTER INDEXES	24000000
		00010		7446+JFCIND EQU	X'10' - I - INDEPENDENT OVERFLOW AREA	24100000
		00008		7447+JFCCYL EQU	X'08' - Y - CYLINDER OVERFLOW AREA	24200000
		00004		7448+JFCRSV19 EQU	X'04',,C'X' RESERVED	24250000
		00002		7449+JFCDEL EQU	X'02' - L - DELETE OPTION	24300000
		00001		7450+JFCREORG EQU	X'01' - R - REORGANIZATION CRITERIA	24400000
				7452+*	BDAM	24500000
		00080		7453+JFCWVCBD EQU	X'80' - W - WRITE VALIDITY CHECK	24600000
		00040		7454+JFCOVER EQU	X'40' - TRACK OVERFLOW	24700000
		00020		7455+JFCEXT EQU	X'20' - E - EXTENDED SEARCH	24800000
		00010		7456+JFCFEED EQU	X'10' - F - FEEDBACK	24900000
		00008		7457+JFCACT EQU	X'08' - A - ACTUAL ADDRESSING	25000000
		00004		7458+JFCRSV20 EQU	X'04',,C'X' RESERVED	25050000
		00002		7459+JFCRSV22 EQU	X'02',,C'X' RESERVED	25060000
		00001		7460+JFCREL EQU	X'01' - R - RELATIVE BLOCK ADDRESSING	25100000
				7462+*	USASI/USASCII	25150000
		00008		7463+JFCOPTQ EQU	X'08' - EBCDIC TO ASCII OR ASCII TO EBCDIC	25160000
				7464+*	TRANSLATION REQUIRED	25170000
				7466+*	TCAM	25180000
		00080		7467+JFCSDNAM EQU	X'80' - SOURCE OR DESTINATION NAME PRECEDES MESSAGE	25190000
				7468+*	(AFTER CONTROL BYTE)	25192000
		00040		7469+JFCWUMSG EQU	X'40' - WORK UNIT IS A MESSAGE (DEFAULT WORK UNIT IS	25194000
				7470+*	A RECORD)	25196000
		00020		7471+JFCCBWU EQU	X'20' - CONTROL BYTE PRECEDES WORK UNIT	25198000
000066				7472+JFCBLKSI DS	0H - MAXIMUM BLOCK SIZE	25200000
000066				7473+JFCBUFSI DS	0H - MAXIMUM BUFFER SIZE	25300000
000066				7474+JFCBAXBF DS	H - NUMBER OF INDEX BUFFERS (VSAM) ICB438	25350000
000068				7475+JFCAMSYN DS	0CL8 - MODULE NAME FOR SYNAD ROUTINE FOR VSAM ICB438	25360000
000068				7476+JFCLRECL DS	H - LOGICAL RECORD LENGTH	25400000
00006A				7477+JFCNCP DS	0FL1 - NUMBER OF CHANNEL PROGRAMS. NUMBER OF READ OR	25500000
				7478+*	WRITE REQUESTS WHICH MAY BE ISSUED PRIOR TO A	25600000
				7479+*	CHECK. NUMBER OF IOB'S GENERATED.	25700000
				7480+*	(MAXIMUM NUMBER IS 99.)	25800000
				7481+*	NOTE - GAM USES JFCBFTEK FOR THIS INFORMATION	25900000
				7482+*	AND DOES NOT USE THIS FIELD AT ALL.	26000000
00006A				7483+JFCBUFMX DS	FL1 - THE MAXIMUM NUMBER OF BUFFERS TO BE USED FOR	26100000
				7484+*	DATA TRANSFER FOR EACH LINE IN THIS LINE	26150000
				7485+*	GROUP (TCAM)	26160000
00006B				7486+JFCBFSEQ DS	0FL1 - TAPE POSITIONING INFORMATION FOR CHECKPOINT	26170000
				7487+*	RESTART. THIS FIELD IS USED TO PASS A	26180000
				7488+*	PHYSICAL FILE SEQUENCE COUNT FROM CHECKPOINT	26190000
				7489+*	TO RESTART. THE COUNT TELLS THE PHYSICAL	26192000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				7490+*	POSITION OF THE TAPE VOLUME THAT WAS BEING	26194000
				7491+*	PROCESSED WHEN THE CHECKPOINT WAS TAKEN.	26196000
				7492+*	SA60703	26198000
00006B				7493+JFCNTM DS 0FL1 -	THE NUMBER OF TRACKS THAT DETERMINE THE	26200000
				7494+*	DEVELOPMENT OF A MASTER INDEX. MAXIMUM	26300000
				7495+*	NUMBER IS 99. (ISAM)	26400000
00006B				7496+JFCPCI DS B -	PROGRAM-CONTROLLED INTERRUPTION (PCI) FLAG	26410000
				7497+*	BYTE (TCAM)	26412000
		00080		7498+JFCPCIX1 EQU X'80' -	PCI=(X,) RECEIVE OPERATIONS ICB473	26420000
		00040		7499+JFCPCIX2 EQU X'40' -	PCI=(,X) SEND OPERATIONS	26430000
				7500+*	X INDICATES THAT AFTER THE FIRST BUFFER IS	26440000
				7501+*	FILLED (ON RECEIVE OPERATIONS) OR EMPTIED (ON	26450000
				7502+*	SEND OPERATIONS), A PCI OCCURS DURING THE	26460000
				7503+*	FILLING OR EMPTYING OF THE NEXT BUFFER. THE	26470000
				7504+*	FIRST BUFFER REMAINS ALLOCATED AND ANOTHER	26480000
				7505+*	IS ALLOCATED. ICB473	26490000
		00020		7506+JFCPCIA1 EQU X'20' -	PCI=(A,) RECEIVE OPERATIONS	26500000
		00010		7507+JFCPCIA2 EQU X'10' -	PCI=(,A) SEND OPERATIONS	26510000
				7508+*	A INDICATES THAT AFTER THE FIRST BUFFER IS	26520000
				7509+*	FILLED (ON RECEIVE OPERATIONS) OR EMPTIED (ON	26530000
				7510+*	SEND OPERATIONS), A PCI OCCURS DURING THE	26540000
				7511+*	FILLING OR EMPTYING OF THE NEXT BUFFER. THE	26550000
				7512+*	FIRST BUFFER IS DEALLOCATED. A BUFFER IS	26560000
				7513+*	ALLOCATED IN PLACE OF THE DEALLOCATED BUFFER.	26570000
		00008		7514+JFCPCIN1 EQU X'08' -	PCI=(N,) RECEIVE OPERATIONS	26580000
		00004		7515+JFCPCIN2 EQU X'04' -	PCI=(,N) SEND OPERATIONS	26590000
				7516+*	N INDICATES THAT NO PCI'S ARE TAKEN DURING	26600000
				7517+*	FILLING (ON RECEIVE OPERATIONS) OR EMPTYING	26610000
				7518+*	(ON SEND OPERATIONS) OF BUFFERS. BUFFERS	26620000
				7519+*	ARE DEALLOCATED AT THE END OF TRANSMISSION.	26630000
		00002		7520+JFCPCIR1 EQU X'02' -	PCI=(R,) RECEIVE OPERATIONS	26640000
		00001		7521+JFCPCIR2 EQU X'01' -	PCI=(,R) SEND OPERATIONS	26650000
				7522+*	R INDICATES THAT AFTER THE FIRST BUFFER IS	26660000
				7523+*	FILLED (ON RECEIVE OPERATIONS) OR EMPTIED (ON	26670000
				7524+*	SEND OPERATIONS), A PCI OCCURS DURING THE	26680000
				7525+*	FILLING OR EMPTYING OF EACH SUCCEEDING BUFFER.	26690000
				7526+*	THE COMPLETED BUFFER IS DEALLOCATED, BUT NO	26700000
				7527+*	NEW BUFFER IS ALLOCATED TO TAKE ITS PLACE.	26710000
				7529+*****		26800000
				7530+*		26900000
				7531+*	NORMAL 108 SEGMENT	26980000
				7532+*		27060000
00006C				7533+JFCRESRV DS 0BL4 -	FIRST BYTE CONTAINS NUMBER OF BYTES FOR TIME	27150000
				7534+*	OF DAY. SECOND BYTE CONTAINS NUMBER OF BYTES	27160000
				7535+*	FOR DATE. THIRD BYTE CONTAINS NUMBER OF	27170000
				7536+*	BYTES FOR OUT SEQ. FOURTH BYTE CONTAINS	27180000
				7537+*	NUMBER OF BYTES IN. (TCAM)	27190000
00006C				7538+JFCRKP DS H -	THE RELATIVE POSITION OF THE FIRST BYTE OF THE	27200000
				7539+*	KEY WITHIN EACH LOGICAL RECORD. MAXIMUM VALUE	27300000
				7540+*	IS LOGICAL RECORD LENGTH MINUS KEY LENGTH.	27400000
00006E				7541+JFCCYLOF DS XL1 -	THE NUMBER OF TRACKS TO BE RESERVED ON EACH	28000000
				7542+*	CYLINDER TO HOLD RECORDS THAT OVERFLOW FROM	28100000
				7543+*	OTHER TRACKS ON THAT CYLINDER. MAXIMUM VALUE	28200000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				7544+*	IS 99.	28300000
00006F				7545+JFCDBUFN DS	CL1 - RESERVED	28400000
000070				7546+JFCINTVL DS	XL1 - INTENTIONAL DELAY, IN SECONDS, BETWEEN	28500000
				7547+*	PASSES THROUGH A POLLING LIST (QTAM)	28600000
				7548+*	END OF NORMAL 108 SEGMENT	28700000
				7549+*****		28800000
				7551+*****		29000000
				7552+*		29100000
				7553+*	108 PRINTER SEGMENT	29150000
				7554+*		29200000
				7555+*	NOTE THIS SEGMENT REPLACES THE NORMAL 108 SEGMENT IF	29250000
				7556+*	THE DD STATEMENT USES THE UCS PARAMETER.	29300000
				7557+*		29350000
000071		0006C		7558+	ORG JFCRESRV	29400000
00006C				7559+JFCUCSID DS	CL4 - NAME OF THE UCS IMAGE TO BE LOADED	29500000
000070				7560+JFCUCSOP DS	B - OPERATION OF THE UCS IMAGE TO BE LOADED	29600000
		00080		7561+JFCBEXTP EQU	X'80' - JFCB EXTENSION PRESENT FOR 3800 DEVICE	29650000
				7562+*	(MDC302) @Z40MP9A	29670000
		00040		7563+JFCFOLD EQU	X'40' - UCS IMAGE IS TO BE LOADED IN THE FOLD MODE	29700000
		00020		7564+JFCRSV25 EQU	X'20',,C'X' RESERVED	29750000
		00010		7565+JFCVER EQU	X'10' - UCS IMAGE IS TO BE VERIFIED	29800000
		00008		7566+JFCFCBAL EQU	X'08' - FORMS ARE TO BE ALIGNED	29850000
		00004		7567+JFCFCBVR EQU	X'04' - FORMS CONTROL BUFFER (FCB) IMAGE IS TO BE	29860000
				7568+*	VERIFIED	29862000
		00002		7569+JFCRSV26 EQU	X'02',,C'X' RESERVED	29870000
		00001		7570+JFCRSV27 EQU	X'01',,C'X' RESERVED	29880000
				7571+*	END OF 108 PRINTER SEGMENT	29900000
				7572+*****		30000000
000071				7574+JFCOUTLI DS	0FL3 - SMF - SYSOUT LIMIT. BINARY REPRESENTATION OF	30050000
				7575+*	THE OUTLIM= PARAMETER ON THE SYSOUT DD	30060000
				7576+*	STATEMENT. THE MAXIMUM NUMBER OF LOGICAL	30070000
				7577+*	RECORDS SPECIFIED FOR THIS OUTPUT DATA SET.	30080000
				7578+*	MDC017	30090000
000071				7579+JFCTHRSH DS	0FL1 - RECORDS TO BE USED	30092000
000071				7580+JFCCPRI DS	B - PRIORITY BETWEEN SEND AND RECEIVE OPERATIONS	30100000
				7581+*	(TCAM)	30200000
		00080		7582+JFCRSV53 EQU	X'80',,C'X' RESERVED MDC020	30450000
		00040		7583+JFCRSV54 EQU	X'40',,C'X' RESERVED MDC019	30500000
		00020		7584+JFCRSV55 EQU	X'20',,C'X' RESERVED MDC018	30550000
		00010		7585+JFCRSV33 EQU	X'10',,C'X' RESERVED	30750000
		00008		7586+JFCRSV34 EQU	X'08',,C'X' RESERVED	30760000
		00004		7587+JFCRECV EQU	X'04' - RECEIVE PRIORITY MDC018	30770000
		00002		7588+JFCEQUAL EQU	X'02' - EQUAL PRIORITY MDC019	30780000
		00001		7589+JFCSEND EQU	X'01' - SEND PRIORITY MDC020	30790000
000072				7590+JFCOWA DS	H - LENGTH, IN BYTES, OF THE USER-PROVIDED WORK	30800000
				7591+*	AREA (QTAM)	30900000
000074				7592+JFCBNTCS DS	XL1 - NUMBER OF OVERFLOW TRACKS	31000000
000075				7593+JFCBNVOL DS	XL1 - NUMBER OF VOLUME SERIAL NUMBERS	31100000
000076				7594+JFCBVOLS DS	0CL30 - THE FIRST FIVE VOLUME SERIAL NUMBERS @Z30LP9A	31200000
000076				7595+	DS CL22 - FIRST 22 BYTES OF JFCBVOLS @Z30LP9A	31220000
00008C				7596+JFCMSVGP DS	CL8 - MASS STORAGE VOLUME GROUP FROM WHICH TO	31240000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				7597+*	SELECT A VOLUME (MDC306)	@Z30LP9A 31270000
000094				7598+JFCBEXTL DS	XL1 - LENGTH OF BLOCK OF EXTRA VOLUME SERIAL NUMBERS	31300000
				7599+*	(BEYOND FIVE)	31400000
000095				7600+JFCBEXAD DS	CL3 - RELATIVE TRACK ADDRESS (TTR) OF FIRST JFCB	31500000
				7601+*	EXTENSION BLOCK FOR VOLUME SERIAL NUMBERS OR	31600000
				7602+*	TTR OF JFCB EXTENSION BLOCK FOR 3800	31630000
				7603+*	(MDC303)	@Z40MP9A 31660000
000098				7604+JFCBPQTY DS	0CL3 - PRIMARY QUANTITY OF DIRECT ACCESS STORAGE	31700000
				7605+*	REQUIRED	31800000
000098				7606+JFCRUNIT DS	CL3 - UNIT TYPE (EBCDIC) OF A DEVICE AT A REMOTE	31810000
				7607+*	TERMINAL. THE FIRST TWO CHARACTERS ARE RD	31820000
				7608+*	(READER), PR (PRINTER) OR PU (PUNCH). THE	31830000
				7609+*	THIRD CHARACTER IS A NUMBER FROM 1 TO 9 ICB387	31840000
00009B				7610+JFCBCTRI DS	B - SPACE PARAMETERS	31900000
	000C0			7611+JFCBSPAC EQU	X'C0' - BIT PATTERN FOR SPACE REQUESTS	32000000
	00000			7612+JFCBABS EQU	X'00' - ABSTR REQUEST	32900000
	00040			7613+JFCBAVR EQU	X'40' - AVERAGE BLOCK LENGTH REQUEST	33000000
	00080			7614+JFCBTRK EQU	X'80' - TRK REQUEST	33100000
	000C0			7615+JFCBCYL EQU	X'C0' - CYL REQUEST	33200000
	00020			7616+JFCBMSGP EQU	X'20' - REQUEST IS FOR A MASS STORAGE VOLUME GROUP	33250000
				7617+*	(MSVGP) VOLUME (MDC307)	@Z30LP9A 33300000
	00010			7618+JFCRSV29 EQU	X'10',,C'X' RESERVED	33350000
	00008			7619+JFCONTIG EQU	X'08' - CONTIG REQUEST	33400000
	00004			7620+JFCMIXG EQU	X'04' - MXIG REQUEST	33500000
	00002			7621+JFCALX EQU	X'02' - ALX REQUEST	33600000
	00001			7622+JFCROUND EQU	X'01' - ROUND REQUEST	33700000
00009C				7623+JFCBSQTY DS	0CL3 - SECONDARY QUANTITY OF DIRECT ACCESS STORAGE	33800000
				7624+*	REQUIRED	33900000
00009C				7625+JFCRQID DS	H - QUEUE IDENTIFICATION (QID) USED BY ACCESS	33950000
				7626+*	METHOD TO DETERMINE THE REMOTE TERMINAL	33952000
				7627+*	LOCATION FOR THIS JOB. ICB387	33960000
00009E				7628+ DS	X - LAST BYTE OF JFCBSQTY (MDC304)	@XM05457 33970000
00009F				7629+JFCFLGS1 DS	B - FLAG BYTE (ICB488)	SA53458 34000000
	00080			7630+JFCBDLET EQU	X'80' - IF ONE, DELETE THE DATA SET USED WHEN	34001000
				7631+*	EXTENDING THE JOB QUEUE OR SPOOL DATA SETS	34001600
				7632+*	(OS/VS1) (MDC305)	@XM05457 34002200
	00040			7633+JFCTOPEN EQU	X'40' - TAPE DATA SET HAS BEEN OPENED	MDC026 34003000
	00020			7634+JFCBADSP EQU	X'20' - AUTOMATIC DATA SET PROTECTION INDICATOR	34005000
				7635+*	(MDC310)	@Z40RP9A 34005100
	00010			7636+JFCBPROT EQU	X'10' - RACF PROTECT REQUESTED (OS/VS2)	34005200
				7637+*	(MDC314)	@G32HP9A 34005400
	00008			7638+JFCBCEOV EQU	X'08' - IF ONE, CHKPT=EOV SPECIFIED FOR THIS DATA SET	34005800
				7639+*	(MDC312)	@Z30JP9A 34006300
	00004			7640+JFCVRDS EQU	X'04' - VIO DATA SET	MDC006 34006800
	00002			7641+JFCBCKDS EQU	X'02' - DATA SET IS CHECKPOINT DATASET	@ZA52824 34007000
	00001			7642+JFCBUAFF EQU	X'01' - UNIT AFFINITY SPECIFIED FOR THIS DATA SET	34008000
				7643+*	(ICB488)	SA53458 34058000
0000A0				7644+JFCBDQTY DS	CL3 - QUANTITY OF DIRECT ACCESS STORAGE REQUIRED FOR	34500000
				7645+*	A DIRECTORY OR AN EMBEDDED INDEX AREA	34600000
0000A3				7646+JFCBSPNM DS	0AL3 - MAIN STORAGE ADDRESS OF THE JFCB WITH WHICH	34650000
				7647+*	CYLINDERS ARE SPLIT (OS/VS1) (MDC315)	@ZA18180 34700000
0000A3				7648+JFCBFLG3 DS	B - FLAG BYTE (OS/VS2) (MDC316)	@ZA18180 34800000
	00080			7649+JFCDQDSP EQU	X'80' - REQUEST DEQUEUE OF TAPE VOLUME WHEN DEMOUNTED	34808000
				7650+*	(MDC317)	@ZA18180 34816000
	00040			7651+JFCBEXP EQU	X'40' - EXPIRATION DATE SPECIFIED (MDC318)	@ZA27139 34824000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
			00020	7652+JFCBRV02	EQU X'20',,C'X' - RESERVED	@ZA18180 34832000
			00010	7653+JFCBRV03	EQU X'10',,C'X' - RESERVED	@ZA18180 34840000
			00008	7654+JFCBRV04	EQU X'08',,C'X' - RESERVED	@ZA18180 34848000
			00004	7655+JFCBRV05	EQU X'04',,C'X' - RESERVED	@ZA18180 34856000
			00002	7656+JFCBRV06	EQU X'02',,C'X' - RESERVED	@ZA18180 34864000
			00001	7657+JFCBRV07	EQU X'01',,C'X' - RESERVED	@ZA18180 34872000
0000A4				7658+JFCBRV08	DS H - RESERVED (OS/VS2)	@ZA18180 34880000
0000A6				7659+JFCBABST	DS H - RELATIVE ADDRESS OF FIRST TRACK TO BE	34900000
				7660+*	ALLOCATED	35000000
0000A8				7661+JFCBSBNM	DS AL3 - MAIN STORAGE ADDRESS OF THE JFCB FROM WHICH	35100000
				7662+*	SPACE IS TO BE SUBALLOCATED	35200000
0000AB				7663+JFCBDR LH	DS CL3 - AVERAGE DATA BLOCK LENGTH	35300000
0000AE				7664+JFCBVLCT	DS XL1 - VOLUME COUNT	35400000
0000AF				7665+JFCBSPTN	DS XL1 - NUMBER OF TRACKS PER CYLINDER TO BE USED BY	35500000
				7666+*	THIS DATA SET WHEN SPLIT CYLINDER IS INDICATED	35600000
		000B0		7667+JFCBLGTH	EQU 176 - LENGTH OF JFCB	35800000
		000B0		7668+JFCBEND	EQU * -	35900000
				7669+	POP PRINT	35950000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				7671	IHAASCB	Address Space Control Block
				7672+*	%ASCBL1 : ;	00152002
				7673+*		00154002
				7674+*/	*****	00156002
				7675+*/		00158002
				7676+*/	ADDRESS SPACE CONTROL BLOCK	00158402
				7677+*/		00158802
				7678+*/	OS/VIS2 SU64, 05/12/78, LEVEL=3	00158964
				7679+*/		00159602
				7680+*/	METHOD OF ACCESS	00159702
				7681+*/	BAL - DSECT IS PRODUCED UNLESS DSECT=NO IS SPECIFIED.	00159802
				7682+*/	USING ON ASCB GIVES ADDRESSABILITY FOR ALL SYMBOLS.	00159902
				7683+*/	PL/S - DCL ASCBPTR PTR	00173202
				7684+*/		00183202
				7685+*/	*****	00185202
				7686+*	%GOTO ASCBL2; /*	00185602
000000				7688+ASCB	DSECT	00200002
000000				7689+ASCBEGIN	DS 0D -	00250002
000000				7690+ASCBASCB	DS CL4 -	00300002
000004				7691+ASCBFWDP	DS A -	00350002
				7692+*	QUEUE	00400002
000008				7693+ASCBWDP	DS A -	00450002
				7694+*	READY QUEUE	00500002
00000C				7695+ASCBMSF	DS A -	00550040
				7696+*	QUEUE (MDC304) @Z40FP9A	00560040
000010				7697+ASCBSUPC	DS 0D -	00570040
				7698+*	(MDC309) @Z40FP9A	00580040
000010				7699+ASCBSVRB	DS A -	00650040
000014				7700+ASCBSYNC	DS F -	00670040
				7701+*	(MDC311) @Z40FP9A	00690040
000018				7702+ASCBIOISP	DS A -	00710040
				7703+*	CONTROL BLOCK (IPB)	00770040
				7704+*	(MDC308) @Z40FP9A	00790040
00001C				7705+ASCBSPL	DS A -	00850002
000020				7706+ASCBPUS	DS F -	00900002
				7707+*	MEMORY MDC007	00950002
000024				7708+ASCBASID	DS H -	01050002
				7709+*	ASCB	01100002
000026				7710+ASCBSEQN	DS H -	01150002
				7711+*	ASCB'S POSITION ON THE DISPATCHING	01200002
				7712+*	QUEUE	01250002
000028				7713+ASCBIOISM	DS H -	01300002
00002A				7714+ASCBRV07	DS FL1 -	01350002
00002B				7715+ASCBDP	DS FL1 -	01450002
				7716+*	0-255	01500002
00002C				7717+ASCBSTOR	DS A -	01550002
				7718+*	SEGMENT TABLE IN THE SAME FORMAT AS	01600002
				7719+*	CONTROL REGISTER ONE MDC027	01610002
000030				7720+ASCB LDA	DS A -	01650002
				7721+*	LSQA FOR VSM	01700002
000034				7722+ASCB RSM	DS 0A -	01720040
				7723+*	HEADER @ZA17355	01730040
000034				7724+ASCB RSMF	DS B -	01800040
				7725+*	(MDC368) @ZA17355	01801040

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
			00080	7726+ASCB2LPU EQU	X'80' -	SECOND LEVEL PREFERRED USER 01806040
				7727+*		(MDC369) @ZA17355 01807040
			00040	7728+ASCB1LPU EQU	X'40' -	FIRST LEVEL PREFERRED USER 01812040
				7729+*		(MDC370) @ZA17355 01813040
			00020	7730+ASCBN2LP EQU	X'20' -	SRM IN SYSEVENT TRANSWAP SHOULD NOT 01815040
				7731+*		SET ASCB2LPU BIT - HOWEVER IT MAY 01818040
				7732+*		ALREADY BE ON AND WILL STAY ON 01818340
				7733+*		(MDC371) @ZA17355 01819040
			00010	7734+ASCBVEQR EQU	X'10' -	V=R ADDRESS SPACE (MDC372) @ZA17355 01821040
			00008	7735+ASCBRV51 EQU	X'08' , , C'X' -	RESERVED @ZA17355 01824040
			00004	7736+ASCBRV52 EQU	X'04' , , C'X' -	RESERVED @ZA17355 01827040
			00002	7737+ASCBRV53 EQU	X'02' , , C'X' -	RESERVED @ZA17355 01830040
			00001	7738+ASCBRV54 EQU	X'01' , , C'X' -	RESERVED @ZA17355 01833040
000035				7739+ASCBRSMA DS	AL3 -	ADDRESS OF RSM'S CONTROL BLOCK 01839040
				7740+*		HEADER (MDC373) @ZA17355 01840040
000038				7741+ASCBBCSCB DS	A -	ADDRESS OF CSCB 01850002
00003C				7742+ASCBTSB DS	A -	ADDRESS OF TSB 01900002
000040				7743+ASCB EJST DS	D -	ELAPSED JOB STEP TIMING UNSIGNED 01950002
				7744+*		64 BIT BINARY NUMBER 02000002
000048				7745+ASCB EWST DS	D -	TIME OF DAY WHENEVER I-STREAM IS 02050002
				7746+*		SWITCHED FROM A MEMORY 02100002
000050				7747+ASCB JSTL DS	F -	CPU TIME LIMIT FOR THE JOB STEP 02150002
				7748+*		UNSIGNED 32 BIT BINARY NUMBER 02200002
000054				7749+ASCB ECB DS	F -	RCT'S WORK ECB 02250002
000058				7750+ASCB UBET DS	F -	TIME STAMP WHEN USER BECOMES READY 02300002
00005C				7751+ASCB RV44 DS	F -	RESERVED (MDC318) @Z40FP9A 02350040
000060				7752+ASCB DUMP DS	A -	SVC DUMP'S ECB POINTER 02400002
000064				7753+ASCB FW1 DS	0F -	FULL-WORD LABEL TO BE USED FOR 02410002
				7754+*		COMPARE AND SWAP FOR ANY BIT IN 02420002
				7755+*		THIS WORD MDC026 02430002
000064				7756+ASCB AFFN DS	H -	CPU AFFINITY INDICATOR 02450002
000066				7757+ASCB RCTF DS	B -	FLAGS FOR RCT 02500002
			00080	7758+ASCB TMNO EQU	X'80' -	MEMORY IS BEING QUIESCED, IS 02550002
				7759+*		QUIESCED, OR IS BEING RESTORED 02600002
			00040	7760+ASCB FRs EQU	X'40' -	RESTORE REQUEST 02650002
			00020	7761+ASCB FQU EQU	X'20' -	QUIESCE REQUEST 02700002
			00010	7762+ASCB RV08 EQU	X'10' , , C'X' -	RESERVED (MDC031) YM2236 02750002
			00008	7763+ASCB WAIT EQU	X'08' -	LONG WAIT INDICATOR 02800002
			00004	7764+ASCB OUT EQU	X'04' -	ADDRESS SPACE CONSIDERED SWAPPED OUT 02850002
			00002	7765+ASCB TMLW EQU	X'02' -	MEMORY IS IN A LONG WAIT 02900002
			00001	7766+ASCB RF01 EQU	X'01' , , C'X' -	RESERVED 02950002
000067				7767+ASCB FLG1 DS	B -	FLAG FIELD 03000002
			00080	7768+ASCB TOFF EQU	X'80' -	MEMORY SHOULD NOT BE CHECKED FOR JOB 03050002
				7769+*		STEP TIMING 03100002
			00040	7770+ASCB CMSH EQU	X'40' -	CMS LOCK HELD 03150002
			00020	7771+ASCB S3S EQU	X'20' -	STAGE II EXIT EFFECTOR HAS SCHEDULED 03200002
				7772+*		A RQE OR IQE AND STAGE III EXIT 03250002
				7773+*		EFFECTOR SHOULD BE INVOKED 03300002
			00010	7774+ASCB TERM EQU	X'10' -	ADDRESS SPACE TERMINATING NORMALLY 03350002
			00008	7775+ASCB ABNT EQU	X'08' -	ADDRESS SPACE TERMINATING ABNORMALLY 03400002
			00004	7776+ASCB STND EQU	X'04' -	TCB'S NON-DISPATCHABLE 03450002
			00002	7777+ASCB TYP1 EQU	X'02' -	TYPE 1 SVC HAS CONTROL 03500002
			00001	7778+ASCB NSWP EQU	X'01' -	PROGRAM IS NON SWAPPABLE OR WILL 03550002
				7779+*		RUN IN V=R REGION 03600002
000068				7780+ASCB TMCH DS	F -	TERMINATION QUEUE CHAIN 03650002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
00006C				7781+ASCBASXB DS	A -	POINTER TO ADDRESS SPACE EXTENSION	03700002
				7782+*		CONTROL BLOCK (ASXB)	03750002
000070				7783+ASCBWCT DS	H -	NUMBER OF TIMES MEMORY ENTERS SHORT	03800002
				7784+*		WAIT	03850002
000072				7785+ASCBDSP1 DS	B -	NON-DISPATCHABILITY FLAGS	03900002
		00080		7786+ASCBNOQ EQU	X'80' -	ASCB NOT ON ASCB DISPATCHING QUEUE	03950002
		00040		7787+ASCBFAIL EQU	X'40' -	A FAILURE HAS OCCURRED WITHIN THE	04000002
				7788+*		ADDRESS SPACE. THE MEMORY IS NON-	04050002
				7789+*		DISPATCHABLE	04100002
		00020		7790+ASCBRF02 EQU	X'20' , , C'X' -	RESERVED	MDC013 04110002
		00010		7791+ASCBRF03 EQU	X'10' , , C'X' -	RESERVED	MDC014 04120002
		00008		7792+ASCBRF04 EQU	X'08' , , C'X' -	RESERVED	04130002
		00004		7793+ASCBRF05 EQU	X'04' , , C'X' -	RESERVED	04140002
		00002		7794+ASCBRF06 EQU	X'02' , , C'X' -	RESERVED	04142002
		00001		7795+ASCBRF07 EQU	X'01' , , C'X' -	RESERVED	04144002
000073				7796+ASCBFLG2 DS	B -	FLAG BYTE	MDC015 04194002
		00080		7797+ASCBXMPT EQU	X'80' -	ASCB EXEMPT FROM SYSTEM	04198002
				7798+*		NON-DISPATCHABLE	MDC013 04198402
		00040		7799+ASCBPXMT EQU	X'40' -	ASCB PERMANENTLY EXEMPT FROM SYSTEM	04198802
				7800+*		NON-DISPATCHABLE	MDC014 04199202
		00020		7801+ASCBCEXT EQU	X'20' -	CANCEL TIMER EXTENSION BECAUSE EOT	04199602
				7802+*		PROCESSING IS STARTED FOR THE JOB	04199702
				7803+*		STEP TCB	MDC021 04203902
		00010		7804+ASCBS2S EQU	X'10' -	FOR LOCK MANAGER, ENTRY MADE TO	04205902
				7805+*		STAGE II EXIT EFFECTOR WITHOUT	04207902
				7806+*		CORRESPONDING ENTRY TO STAGE III	04208002
				7807+*		EXIT EFFECTOR	MDC020 04208102
		00008		7808+ASCBSNQS EQU	X'08' -	STATUS STOP NON-QUIESCEABLE LEVEL	04210102
				7809+*		SRB'S	MDC028 04212102
		00004		7810+ASCBRV04 EQU	X'04' , , C'X' -	RESERVED	04212402
		00002		7811+ASCBRV05 EQU	X'02' , , C'X' -	RESERVED	04214464
		00001		7812+ASCBRV06 EQU	X'01' , , C'X' -	RESERVED	04220464
000074				7813+ASCBSSRB DS	H -	COUNT OF STATUS STOP SRB'S	04233302
000076				7814+ASCB SRBS DS	H -	COUNT OF SRB'S DISPATCHED IN THIS	04250002
				7815+*		MEMORY	04300002
000078				7816+ASCBVSC DS	H -	ALLOCATED AUXILIARY SLOT COUNT	04350002
				7817+*		(VAM)	MDC004 04400002
00007A				7818+ASCBNVSC DS	H -	ALLOCATED AUXILIARY SLOT COUNT	04450002
				7819+*		(NON-VAM)	MDC005 04460002
00007C				7820+ASCBTCBS DS	F -	NUMBER OF READY TCB'S IN THIS	04470002
				7821+*		MEMORY	MDC006 04480002
000080				7822+ASCBKGP DS	0D -	LOCK GROUP (MDC306)	@Z40FP9A 04500040
000080				7823+ASCBLOCK DS	F -	LOCAL LOCK (MDC305)	@Z40FP9A 04540040
000084				7824+ASCBLSQH DS	A -	LOCAL LOCK SUSPEND QUEUE HEADER	04580040
				7825+*		(MDC307)	@Z40FP9A 04620040
000088				7826+ASCBQECB DS	F -	QUIESCE ECB	04700002
00008C				7827+ASCBMECB DS	F -	MEMORY CREATE/DELETE ECB	04750002
000090				7828+ASCB OUCB DS	A -	SYSTEM RESOURCES MANAGER (SRM) USER	04760002
				7829+*		CONTROL BLOCK POINTER	04770002
000094				7830+ASCB OUXB DS	A -	SYSTEM RESOURCES MANAGER (SRM) USER	04780002
				7831+*		EXTENSION BLOCK POINTER	04790002
000098				7832+ASCBFMCT DS	H -	ALLOCATED PAGE FRAME COUNT	04792002
00009A				7833+ASCBRS01 DS	H -	RESERVED FOR FUTURE USE	04794002
00009C				7834+ASCBXMPQ DS	A -	POINTER TO XMPOST SRB QUEUE	MDC023 04796002
0000A0				7835+ASCB IQEA DS	A -	POINTER TO IQE FOR ATCAM	04800002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
				7836+*		ASYNCHRONOUS PROCESSING	MDC010	04810002		
0000A4				7837+ASCBRTWA	DS	A -	POINTER TO LAST RTM2 WORK AREA	04860002		
				7838+*		ACQUIRED FROM SQA	MDC011	04870002		
0000A8				7839+ASCBMCC	DS	CL4 -	USED TO HOLD A MEMORY TERMINATION	04900002		
				7840+*		COMPLETION CODE ON ABNORMAL MEMORY		04910002		
				7841+*		TERMINATION	MDC012	04920002		
0000AC				7842+ASCBJBNI	DS	A -	POINTER TO JOBNAME FIELD FOR	04930002		
				7843+*		INITIATED PROGRAMS OR ZERO	MDC018	04940002		
0000B0				7844+ASCBJBNS	DS	A -	POINTER TO JOBNAME FIELD FOR	04950002		
				7845+*		START/MOUNT/LOGON OR ZERO	MDC019	04960002		
0000B4				7846+ASCBSRQ	DS	0F -	DISPATCHER SERIALIZATION QUEUE	05010040		
				7847+*		(MDC312)	@Z40FP9A	05012040		
0000B4				7848+ASCBSRQ1	DS	B -	FIRST BYTE OF ASCBSRQ	05014040		
				7849+*		(MDC313)	@Z40FP9A	05016040		
	00080			7850+ASCBSTA	EQU	X'80' -	STATUS ACTIVE (MDC314)	@Z40FP9A	05018040	
	00040			7851+ASCBRV13	EQU	X'40' , , C'X' -	RESERVED	@Z40FP9A	05020040	
	00020			7852+ASCBRV14	EQU	X'20' , , C'X' -	RESERVED	@Z40FP9A	05022040	
	00010			7853+ASCBRV15	EQU	X'10' , , C'X' -	RESERVED	@Z40FP9A	05024040	
	00008			7854+ASCBRV16	EQU	X'08' , , C'X' -	RESERVED	@Z40FP9A	05026040	
	00004			7855+ASCBRV17	EQU	X'04' , , C'X' -	RESERVED	@Z40FP9A	05028040	
	00002			7856+ASCBRV18	EQU	X'02' , , C'X' -	RESERVED	@Z40FP9A	05030040	
	00001			7857+ASCBRV19	EQU	X'01' , , C'X' -	RESERVED	@Z40FP9A	05032040	
0000B5				7858+ASCBSRQ2	DS	B -	SECOND BYTE OF ASCBSRQ	05034040		
				7859+*		(MDC315)	@Z40FP9A	05036040		
	00080			7860+ASCBRV20	EQU	X'80' , , C'X' -	RESERVED	@Z40FP9A	05038040	
	00040			7861+ASCBRV21	EQU	X'40' , , C'X' -	RESERVED	@Z40FP9A	05040040	
	00020			7862+ASCBRV22	EQU	X'20' , , C'X' -	RESERVED	@Z40FP9A	05042040	
	00010			7863+ASCBRV23	EQU	X'10' , , C'X' -	RESERVED	@Z40FP9A	05044040	
	00008			7864+ASCBRV24	EQU	X'08' , , C'X' -	RESERVED	@Z40FP9A	05046040	
	00004			7865+ASCBRV25	EQU	X'04' , , C'X' -	RESERVED	@Z40FP9A	05048040	
	00002			7866+ASCBRV26	EQU	X'02' , , C'X' -	RESERVED	@Z40FP9A	05050040	
	00001			7867+ASCBRV27	EQU	X'01' , , C'X' -	RESERVED	@Z40FP9A	05052040	
0000B6				7868+ASCBSRQ3	DS	B -	THIRD BYTE OF ASCBSRQ	05054040		
				7869+*		(MDC316)	@Z40FP9A	05056040		
	00080			7870+ASCBRV28	EQU	X'80' , , C'X' -	RESERVED	@Z40FP9A	05058040	
	00040			7871+ASCBRV29	EQU	X'40' , , C'X' -	RESERVED	@Z40FP9A	05060040	
	00020			7872+ASCBRV30	EQU	X'20' , , C'X' -	RESERVED	@Z40FP9A	05062040	
	00010			7873+ASCBRV31	EQU	X'10' , , C'X' -	RESERVED	@Z40FP9A	05064040	
	00008			7874+ASCBRV32	EQU	X'08' , , C'X' -	RESERVED	@Z40FP9A	05066040	
	00004			7875+ASCBRV33	EQU	X'04' , , C'X' -	RESERVED	@Z40FP9A	05068040	
	00002			7876+ASCBRV34	EQU	X'02' , , C'X' -	RESERVED	@Z40FP9A	05070040	
	00001			7877+ASCBRV35	EQU	X'01' , , C'X' -	RESERVED	@Z40FP9A	05072040	
0000B7				7878+ASCBSRQ4	DS	B -	FOURTH BYTE OF ASCBSRQ	05074040		
				7879+*		(MDC317)	@Z40FP9A	05076040		
	00080			7880+ASCBRV36	EQU	X'80' , , C'X' -	RESERVED	@Z40FP9A	05078040	
	00040			7881+ASCBRV37	EQU	X'40' , , C'X' -	RESERVED	@Z40FP9A	05080040	
	00020			7882+ASCBRV38	EQU	X'20' , , C'X' -	RESERVED	@Z40FP9A	05082040	
	00010			7883+ASCBRV39	EQU	X'10' , , C'X' -	RESERVED	@Z40FP9A	05084040	
	00008			7884+ASCBRV40	EQU	X'08' , , C'X' -	RESERVED	@Z40FP9A	05086040	
	00004			7885+ASCBRV41	EQU	X'04' , , C'X' -	RESERVED	@Z40FP9A	05088040	
	00002			7886+ASCBRV42	EQU	X'02' , , C'X' -	RESERVED	@Z40FP9A	05090040	
	00001			7887+ASCBRV43	EQU	X'01' , , C'X' -	RESERVED	@Z40FP9A	05092040	
0000B8				7888+ASCBVGTT	DS	A -	ADDRESS OF VSAM GLOBAL TERMINATION	05110002		
				7889+*		TABLE (VGTT)	MDC024	05160002		
0000BC				7890+ASCBPCTT	DS	A -	ADDRESS OF PRIVATE CATALOG	05210002		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				7891+*	TERMINATION TABLE (PCTT)	MDC025 05220002
0000C0				7892+ASCBRS12 DS	H -	RESERVED FOR FUTURE USE 05250002
0000C2				7893+ASCBMCT DS	FL1 -	NUMBER OF OUTSTANDING STEP MUST 05300002
				7894+*		COMPLETE REQUESTS IN ADDRESS 05310002
				7895+*		SPACE MDC016 05320002
0000C3				7896+ASCB SRBM DS	B -	MODEL PSW BYTE 0 USED BY SRB 05330064
				7897+*		DISPATCHER (MDC379) @G64RP9A 05350064
		00040		7898+ASCBPER EQU	X'40' -	PER BIT IN ASCB SRBM - ALSO USED TO 05360064
				7899+*		SHOW PER STATUS FOR THE ADDRESS 05370064
				7900+*		SPACE (MDC380) @G64RP9A 05380064
0000C4				7901+ASCB SWTL DS	F -	STEP WAIT TIME LIMIT MDC029 05400002
0000C8				7902+ASCB SRBT DS	D -	ACCUMULATED SRB TIME MDC030 05410002
0000D0				7903+ASCBEND DS	0D -	END OF ASCB 05450002
		000D0		7904 ASCBLEN EQU	*-ASCB	Length of ASCB

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
000000				7906 UCB	DSECT	
				7907	IEFUCBOB LIST=YES,PREFIX=NO Unit Control Block	
				7908+*/	%UCBL1 : ;	00250000
				7909+*/	*****	*/ 00300000
				7910+*/		*/ 00350000
				7911+*/	UNIT CONTROL BLOCK	*/ 00400000
				7912+*/		*/ 00450000
				7913+*/	*****	*/ 00500000
				7914+*/		*/ 00550000
				7915+*/	STATUS	*/ 00600000
				7916+*/		*/ 00650000
				7917+*/	OS/VS2 PTF. 07/24/79, LEVEL=2, (3800 ENH. FDM1133 SUPPORT).	*/ 00660003
				7918+*/		*/ 00750000
				7919+*/	METHOD OF ACCESS	*/ 00800000
				7920+*/		*/ 00850000
				7921+*/	-MULTIPROCESSING PREFIX, COMMON AND DEVICE DEPENDENT SEGMENTS,	*/ 00900000
				7922+*/	AND DEVICE DEPENDENT EXTENSIONS.	*/ 00950000
				7923+*/	THE UCB ADDRESS LOCATED FROM THE UCB LOOK UP TABLE POINTS	*/ 01000000
				7924+*/	TO THE COMMON SEGMENT. THIS ADDRESS MUST HAVE THE PREFIX	*/ 01050000
				7925+*/	ADDRESSABILITY CONSTANT SUBTRACTED FROM IT IN ORDER TO MAP	*/ 01100000
				7926+*/	THE PREFIX FIELDS AND STANDARD FIELDS VIA THIS MACRO.	*/ 01150000
				7927+*/		*/ 01200000
				7928+*/	PL/S - DCL UCBPTR PTR	*/ 01250000
				7929+*/	BAL - PREFIX=YES	*/ 01300000
				7930+*/	A DSECT STATEMENT LABELED UCB IS PROVIDED. A	*/ 01350000
				7931+*/	USING STATEMENT ON THE SYMBOL UCB WILL PROVIDE	*/ 01400000
				7932+*/	ADDRESSABILITY TO ALL PORTIONS OF THIS MAPPING	*/ 01450000
				7933+*/	MACRO EXCEPT THE EXTENSIONS. ADDITIONAL USING	*/ 01500000
				7934+*/	STATEMENTS ARE NECESSARY TO OBTAIN ADDRESSING	*/ 01550000
				7935+*/	TO THESE EXTENSIONS. THESE ARE AS FOLLOWS -	*/ 01600000
				7936+*/		*/ 01650000
				7937+*/	COMMON EXTENSION UCBMEXT	*/ 01700000
				7938+*/	MAGNETIC TAPE EXTENSION UCBMT	*/ 01750000
				7939+*/	OPTICAL CHARACTER READER EXT UCBOCR	*/ 01800000
				7940+*/	3540 DEVICE EXTENSION UCB3540X @Z300P9A	*/ 01820003
				7941+*/	3800 DEVICE EXTENSION UCB3800X @Z40MP9A	*/ 01830004
				7942+*/	UNIT RECORD WITH UCS EXTENSION UCBUCS	*/ 01850000
				7943+*/		*/ 01900000
				7944+*/	WHEN LISTING IS SUPPRESSED, YOU CAN DETERMINE WHICH	*/ 01950000
				7945+*/	DSECT A SYMBOL IS IN BY USING THE STATEMENT NUMBER	*/ 02000000
				7946+*/	IN THE DEFN COLUMN IN THE CROSS REFERENCE LISTING.	*/ 02050000
				7947+*/	FOR EXAMPLE, ANY SYMBOL DEFINED BETWEEN THE	*/ 02100000
				7948+*/	STATEMENT NUMBERS FOR UCBMT AND UCBOCR IS IN THE	*/ 02150000
				7949+*/	UCBMT DSECT.	*/ 02200000
				7950+*/		*/ 02250000
				7951+*/	-ALL PORTIONS EXCEPT THE MP PREFIX.	*/ 02300000
				7952+*/		*/ 02350000
				7953+*/	BAL - PREFIX=NO OR THE PREFIX PARAMETER OMITTED OR EQUAL	*/ 02400000
				7954+*/	TO ANY STRING OTHER THAN YES.	*/ 02450000
				7955+*/	A DSECT STATEMENT SHOULD PRECEDE THE MACRO CALL.	*/ 02500000
				7956+*/	SYMBOLS IN THE COMMON SECTION AND DEVICE DEPENDENT	*/ 02550000
				7957+*/	SEGMENTS ARE ADDRESSABLE BY A USING ON UCB0B.	*/ 02600000
				7958+*/	THE ABOVE COMMENTS ON THE EXTENSIONS APPLY HERE.	*/ 02650000
				7959+*/		*/ 02700000
				7960+*/	F.E.'S	*/ 02750000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				7961+*/	*/	02800000
				7962+*/	MICROFICHE LISTING - IEFUCBOB	*/ 02850000
				7963+*/		*/ 02900000
				7964+*/	DEVELOPERS	*/ 02950000
				7965+*/		*/ 03000000
				7966+*/	BAL LISTING - SPECIFY LIST=YES ON MACRO CALL	*/ 03050000
				7967+*/	PL/S LISTING - SPECIFY %IHALIST='YES' BEFORE INCLUDE	*/ 03100000
				7968+*/		*/ 03150000
				7969+*/		*/ 03200000
				7970+*/	FUNCTION	*/ 03250000
				7971+*/		*/ 03300000
				7972+*/	A UNIT CONTROL BLOCK INCORPORATING A SYSTEM RESOURCE TABLE	*/ 03350000
				7973+*/	RECORDS THE STATUS OF A PHYSICAL INPUT OUTPUT DEVICE	*/ 03400000
				7974+*/	ADDRESS AND IS CREATED AND INITIALIZED DURING SYSTEM	*/ 03450000
				7975+*/	GENERATION. THE UNIT CONTROL BLOCK RESIDES IN THE NUCLEUS	*/ 03500000
				7976+*/	BELOW 64K AND MAY POINT TO A DEVICE TYPE DEPENDENT	*/ 03550003
				7977+*/	EXTENSION RESIDING HIGHER IN THE NUCLEUS.	*/ 03600000
				7978+*/	THE COMMON SEGMENT OF THE UCB IS POINTED TO BY	*/ 03650000
				7979+*/	THE UCB LOOKUP TABLE WHICH IS INDEXED BY	*/ 03700000
				7980+*/	A FUNCTION OF THE CHANNEL CONTROL UNIT DEVICE ADDRESS.	*/ 03750000
				7981+*/	THE UCB MAY BE POINTED TO BY TASK INPUT/OUTPUT TABLES	*/ 03800000
				7982+*/	AND DATA EXTENT BLOCKS. THE UCB WILL CONTAIN INDICES	*/ 03850000
				7983+*/	INTO DEVICE STATISTICS, ATTENTION AND LOGICAL CHANNEL	*/ 03900000
				7984+*/	TABLES.	*/ 03950000
				7985+*/		*/ 04000000
				7986+*/	OUTPUT	*/ 04050000
				7987+*/	MULTIPROCESSING PREFIX	*/ 04100000
				7988+*/	SYSGEN INDEPENDENT COMMON SECTION	*/ 04150000
				7989+*/	INCLUDING UCBTYP WORD	*/ 04200000
				7990+*/	DEVICE DEPENDENT SEGMENT (ONE OF THE FOLLOWING)	*/ 04250000
				7991+*/	DIRECT ACCESS	*/ 04300000
				7992+*/	MAGNETIC TAPE	*/ 04350000
				7993+*/	UNIT RECORD WITH UCS OR 3886 OR 3540 OR 3800	@Z40MP9A*/ 04400004
				7994+*/	GRAPHICS EXCEPT 3270	*/ 04450000
				7995+*/	3270 GRAPHICS	*/ 04500000
				7996+*/	3704, 3705 TELEPROCESSING DEVICE	*/ 04550000
				7997+*/	CHANNEL-TO-CHANNEL DEVICE	*/ 04560004
				7998+*/	3851 OR 3838 DEVICE	@G29AN9A*/ 04565016
				7999+*/	COMMON EXTENSION	*/ 04600000
				8000+*/	UCB EXTENSION (ONE OF THE FOLLOWING)	*/ 04650000
				8001+*/	MAGNETIC TAPE	*/ 04700000
				8002+*/	OPTICAL CHARACTER READER	*/ 04750000
				8003+*/	3540 DEVICE	@Z300P9A*/ 04770003
				8004+*/	3800 DEVICE	@Z40MP9A*/ 04780004
				8005+*/	UNIT RECORD WITH UNIVERSAL CHARACTER SET	*/ 04800000
				8006+*/		*/ 04850000
				8007+*/	*****	*/ 04900000
				8008+*/	%GOTO UCBL2; /*	04950000
				8009+	PUSH PRINT	05000000
				8010+	*****	06250000
				8011+		06300000
				8012+	SYSGEN-INDEPENDENT	06350000
				8013+	COMMON SECTION	06400000
				8014+		06450000
000000				8015+UCBOB	DS 0F	06500000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
		00000		8016+UCBBGN	EQU	* -			MDC158	06600000
				8017+*						06700000
				8018+*****						06750000
				8019+*						06800000
000000		00000		8020+UCBCMSEG	EQU	* -			MDC168	06850000
				8021+UCBJBNR	DS	B -			MDC012	06900000
		00080		8022+UCBVRDEV	EQU	X'80' -			@G51BP9A	06950051
		00040		8023+UCBJES3	EQU	X'40' -				07000000
				8024+*						07050000
				8025+*					MDC246	07100000
		00020		8026+UCBDUC	EQU	X'20' -				07150004
				8027+*					@ZA04127	07160004
		00010		8028+UCBBOX	EQU	X'10' -				07200041
				8029+*						07210041
				8030+*					@ZA36385	07220041
		00008		8031+UCBOLDISM	EQU	X'08' -				07250003
				8032+*						07258003
				8033+*						07266003
				8034+*						07274003
				8035+*					@Z30LP9A	07282003
		00004		8036+UCBMMSGP	EQU	X'04' -				07300003
				8037+*						07310003
				8038+*						07320003
				8039+*					@ZA14242	07330003
		00002		8040+UCBURINP	EQU	X'02' -				07350041
				8041+*					@ZA36385	07360041
		00001		8042+UCBMONT	EQU	X'01' -				07400000
				8043+*						07450000
				8044+*						07500000
				8045+*					MDC014	07550000
000001				8046+UCBFL5	DS	B -				07600000
		00080		8047+UCBDCC	EQU	X'80' -				07650000
				8048+*					MDC098	07700000
		00040		8049+UCBAF	EQU	X'40' -				07750000
				8050+*						07800000
				8051+*					ICB321	07850000
		00040		8052+UCBAMV	EQU	X'40' -				07900000
				8053+*						07950000
				8054+*						08000000
				8055+*					ICB437	08050000
		00020		8056+UCBSASK	EQU	X'20' -				08100000
				8057+*					MDC099	08150000
		00010		8058+UCBVSDR	EQU	X'10' -				08200000
		00008		8059+UCBENVRD	EQU	X'08' -				08250000
				8060+*					MDC100	08300000
		00004		8061+UCBNALOC	EQU	X'04' -				08350000
				8062+*						08400000
				8063+*						08450000
				8064+*						08500000
				8065+*						08550000
				8066+*						08600000
				8067+*						08650000
				8068+*						08700000
				8069+*						08750000
				8070+*						08800000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				8071+*	OBTAIN VIA ENQ, EXCLUSIVE, SYSTEM	08850000
				8072+*	LEVEL CONTROL OF RESOURCE SYSIEFSD,	08900000
				8073+*	Q4. SERIALIZATION IS NOT REQUIRED	08950000
				8074+*	TO TURN THIS INDICATOR OFF. MDC027	09000000
		00002		8075+UCBALTCU EQU X'02' -	DEVICE HAS AN ALTERNATE CONTROL UNIT	09050000
				8076+*	ADDRESS	09100000
		00001		8077+UCBALTPH EQU X'01' -	DEVICE HAS AN ALTERNATE PATH	09150000
000002				8078+UCBID DS C -	UCB IDENTIFICATION (FF)	09200000
		000FF		8079+UCBSTND EQU X'FF' -	STANDARD UCB MDC101	09250000
000003				8080+UCBSTAT DS B -	DEVICE STATUS	09300000
		00080		8081+UCBONLI EQU X'80' -	DEVICE IS ONLINE	09350000
		00040		8082+UCBCHGS EQU X'40' -	DEVICE STATUS IS TO BE CHANGED FROM	09400000
				8083+*	ONLINE TO OFFLINE, AND EITHER	09450000
				8084+*	ALLOCATION IS ENQUEUED ON DEVICES	09500000
				8085+*	OR THE DEVICE IS ALLOCATED. (BIT 0	09550000
				8086+*	IS ALSO ON.)	09600000
		00020		8087+UCBRESV EQU X'20' -	THE MOUNT STATUS OF THE VOLUME ON	09650000
				8088+*	THIS DEVICE IS RESERVED	09700000
		00010		8089+UCBUNLD EQU X'10' -	UNLOAD OPERATOR COMMAND HAS BEEN	09750000
				8090+*	ADDRESSED TO THIS DEVICE. THE	09800000
				8091+*	DEVICE IS NOT YET UNLOADED.	09850000
		00008		8092+UCBALOC EQU X'08' -	DEVICE IS ALLOCATED	09900000
		00004		8093+UCBPRES EQU X'04' -	THE MOUNT STATUS OF THE VOLUME ON	09950000
				8094+*	THIS DEVICE IS PERMANENTLY RESIDENT	10000000
		00002		8095+UCBSYSR EQU X'02' -	SYSTEM RESIDENCE DEVICE OR	10050000
				8096+*	PRIMARY CONSOLE OR	10100000
				8097+*	ACTIVE CONSOLE	10150000
		00001		8098+UCBDADI EQU X'01' -	STANDARD TAPE LABELS HAVE BEEN	10200000
				8099+*	VERIFIED FOR THIS TAPE VOLUME	10250000
				8100+*	OR SECONDARY CONSOLE OR	10300000
				8101+*	CONSOLE STATUS CHANGING	10350000
000004				8102+UCBCHAN DS 0FL2 -	BINARY CHANNEL/UNIT ADDRESS MDC102	10400000
000004				8103+UCBCHA DS FL1 -	BINARY CHANNEL ADDRESS OF LAST	10450000
				8104+*	STARTED I/O OPERATION	10500000
000005				8105+UCBUA DS FL1 -	BINARY UNIT ADDRESS	10550000
000006				8106+UCBSFLS DS 0BL2 -	DEVICE STATUS FLAGS MDC103	10600000
000006				8107+UCBFLA DS BL1 -	I/O SUPERVISOR FLAG BYTE A MDC104	10650000
		00006		8108+UCBFL1 EQU UCBFLA -	ALIAS	10700000
		00080		8109+UCBBSY EQU X'80' -	DEVICE IS BUSY MDC105	10750000
		00080		8110+UCBBUSYD EQU UCBBSY -	ALIAS	10800000
		00040		8111+UCBNRY EQU X'40' -	DEVICE NOT READY MDC106	10850000
		00040		8112+UCBNOTRD EQU UCBNRY -	ALIAS	10900000
		00020		8113+UCBPST EQU X'20' -	POST FLAG (ASSOC IOQE) MDC107	10950000
		00020		8114+UCBUSING EQU UCBPST -	ALIAS	11000000
		00010		8115+UCBPSNS EQU X'10' -	PENDING SENSE OPERATION MDC108	11050000
		00008		8116+UCBCUB EQU X'08' -	CONTROL UNIT BUSY MDC109	11100000
		00008		8117+UCBNOTRC EQU UCBCUB -	ALIAS	11150000
		00004		8118+UCBSAP EQU X'04' -	STAND ALONE PROCESS ON DEVICE ACTIVE	11200000
				8119+*	(EG., RESERVE) MDC110	11250000
		00002		8120+UCBACTV EQU X'02' -	CHANNEL PROGRAM ACTIVE ON DEVICE	11300000
				8121+*	MDC111	11350000
		00001		8122+UCBQISCE EQU X'01' -	DEVICE QUIESCED MDC112	11400000
000007				8123+UCBFLB DS BL1 -	I/O SUPERVISOR FLAG BYTE B MDC113	11450000
		00080		8124+UCBIORST EQU X'80' -	I/O RESTART VIA ALTERNATE CPU	11500000
				8125+*	RECOVERY HAS FACTORED DEVICE OUT	11550000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				8126+*	OF CONFIGURATION BECAUSE OF	11600000
				8127+*	NON-ACCESSABILITY. ALL INCOMING	11650000
				8128+*	I/O REQUESTS ARE INTERCEPTED AND	11700000
				8129+*	MARKED IN PERMANENT ERROR WITH A	11750000
				8130+*	COMPLETION CODE OF X'51'.	11800003
				8131+*	HOWEVER, IF CHANNEL RECONFIGURATION	11805003
				8132+*	HARDWARE (CRH) IS ACTIVE AND CRH	11810003
				8133+*	WILL BE USED TO ACCESS THE DEVICE	11815003
				8134+*	ASSOCIATED WITH THE UCB, THIS BIT	11820003
				8135+*	WILL BE ON IN EVERY UCB THAT HAS	11825003
				8136+*	OUTSTANDING I/O ACROSS A CRH PATH.	11830003
				8137+*	(MDC320) @Z30CQ9A	11835003
	00040			8138+UCBASNS EQU X'40' -	SENSE ACTIVE ON DEVICE MDC115	11850000
	00020			8139+UCBSPST EQU X'20' -	SENSE POST INDICATOR MDC116	11900000
	00010			8140+UCBRESVH EQU X'10' -	DEVICE RESERVED INDICATOR MDC157	11950000
	00008			8141+UCBCRHRV EQU X'08' -	RESERVED PATH THROUGH A CHANNEL	12000003
				8142+*	RECONFIGURATION HARDWARE (CRH)	12010003
				8143+*	CONNECTION (MDC303) @Z30CQ9A	12020003
	00004			8144+UCBCRHSN EQU X'04' -	IF 1, SENSE PENDING FROM INOPERATIVE	12050003
				8145+*	CPU. IF 0, SENSE PENDING FROM	12058003
				8146+*	OPERATIVE CPU. BIT IS SET ONLY WHEN	12066003
				8147+*	CHANNEL RECONFIGURATION HARDWARE	12074003
				8148+*	(CRH) IS ACTIVE. (MDC332) @Z30CQ9A	12082003
	00002			8149+UCBVALPH EQU X'02' -	PATH VALIDATION (MDC337) @ZA00078	12100003
	00001			8150+UCBSIGP EQU X'01' -	IOS SIGP INDICATOR TO PREVENT	12150004
				8151+*	PING/PONG (MDC346) @ZA03601	12160004
000008				8152+UCBCHM DS 0B -	PATH STATUS MASK FOR THIS DEVICE	12200000
				8153+*	MDC198	12250000
000008				8154+UCBCHM1 DS B -	SAME AS UCBCHM MDC199	12300000
	000C0			8155+UCBPTH0 EQU X'C0' -	PATHS FROM CPU 0 MDC200	12350000
	00080			8156+UCBPPA EQU X'80' -	PRIMARY PATH CPU 0. IF 0, PATH IS	12400004
				8157+*	AVAILABLE. IF 1, PATH IS	12410004
				8158+*	UNAVAILABLE. (MDC350) @Z40AQ9A	12420004
	00040			8159+UCBSPA EQU X'40' -	SECONDARY PATH CPU 0. IF 0, PATH IS	12450004
				8160+*	AVAILABLE. IF 1, PATH IS	12460004
				8161+*	UNAVAILABLE. (MDC351) @Z40AQ9A	12470004
	00030			8162+UCBPTH1 EQU X'30' -	PATHS FROM CPU 1 MDC203	12500000
	00020			8163+UCBPPB EQU X'20' -	PRIMARY PATH CPU 1. IF 0, PATH IS	12550004
				8164+*	AVAILABLE. IF 1, PATH IS	12560004
				8165+*	UNAVAILABLE. (MDC352) @Z40AQ9A	12570004
	00010			8166+UCBSPB EQU X'10' -	SECONDARY PATH CPU 1. IF 0, PATH IS	12600004
				8167+*	AVAILABLE. IF 1, PATH IS	12610004
				8168+*	UNAVAILABLE. (MDC353) @Z40AQ9A	12620004
	00008			8169+UCBRV014 EQU X'08' , , C'X' -	RESERVED	12650000
	00004			8170+UCBRV015 EQU X'04' , , C'X' -	RESERVED	12700000
	00002			8171+UCBRV016 EQU X'02' , , C'X' -	RESERVED	12750000
	00001			8172+UCBRV017 EQU X'01' , , C'X' -	RESERVED	12800000
000009				8173+UCBCNT DS FL1 -	COUNT OF QUEUED REQUESTS WAITING	12850000
				8174+*	FOR DEVICE MDC206	12900000
00000A				8175+UCBLCI DS FL1 -	INCREMENT WHICH, WHEN MULTIPLIED BY	12950000
				8176+*	32, BECOMES AN INDEX TO THE LOGICAL	13000004
				8177+*	CHANNEL TABLE (LCHTAB)	13050000
				8178+*	(MDC349) @Z40AQ9A	13070004
00000B				8179+UCBCPU DS XL1 -	LAST SIO TO DEVICE ISSUED FROM THIS	13100000
				8180+*	CPUID MDC207	13150000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
00000C				8181+UCBWGT	DS	B -	FLAGS 13200000
		00080		8182+UCBIN	EQU	X'80' -	SYSIN 13250000
		00040		8183+UCBOUT	EQU	X'40' -	SYSOUT 13300000
		00020		8184+UCBPUB	EQU	X'20' -	ASSUMED THAT THIS DEVICE WILL BE 13350000
				8185+*			ALLOCATED FOR A PUBLIC VOLUME 13400000
				8186+*			REQUEST 13450000
		00010		8187+UCBREW	EQU	X'10' -	REWIND COMMAND HAS BEEN ADDRESSED TO 13500000
				8188+*			THIS MAGNETIC DEVICE BY I/O SUPPORT 13550000
		00008		8189+UCBMTPXP	EQU	X'08' -	MULTIPLE EXPOSURE DEVICE MDC117 13600000
		00004		8190+UCBVORSN	EQU	X'04' -	VARY COMMAND OPERATOR REASON 13650000
				8191+*			INDICATOR MDC118 13700000
		00002		8192+UCBVHRSN	EQU	X'02' -	VARY COMMAND HIERARCHY REASON 13750000
				8193+*			INDICATOR MDC119 13800000
		00001		8194+UCBRV029	EQU	X'01' , , C'X' -	RESERVED MDC028 13850000
00000D				8195+UCBNAME	DS	CL3 -	UNIT NAME (EBCDIC) 13900000
000010				8196+UCBTYP	DS	0CL4 -	DEVICE TYPE 13950000
000010				8197+UCBTBYT1	DS	B -	MODEL BITS 14000000
		00080		8198+UCB1FEA0	EQU	X'80' -	BIT 0 14050000
		00040		8199+UCB1FEA1	EQU	X'40' -	BIT 1 14100000
		00020		8200+UCB1FEA2	EQU	X'20' -	BIT 2 14150000
		00010		8201+UCB1FEA3	EQU	X'10' -	BIT 3 14200000
		00008		8202+UCB1FEA4	EQU	X'08' -	BIT 4 14250000
		00004		8203+UCB1FEA5	EQU	X'04' -	BIT 5 14300000
		00004		8204+UCBD1600	EQU	X'04' -	1600 BPI ICB475 14350000
		00002		8205+UCB1FEA6	EQU	X'02' -	BIT 6 14400000
		00002		8206+UCBD6250	EQU	X'02' -	6250 BPI ICB475 14450000
		00001		8207+UCB1FEA7	EQU	X'01' -	BIT 7 14500000
000011				8208+UCBTBYT2	DS	B -	OPTION FLAGS 14550000
		00080		8209+UCB20PT0	EQU	X'80' -	FLAG 0 14600000
		00040		8210+UCB20PT1	EQU	X'40' -	FLAG 1 14650000
		00020		8211+UCB20PT2	EQU	X'20' -	FLAG 2 14700000
		00020		8212+UCBDUDN1	EQU	X'20' -	DUAL DENSITY 800/1600 BPI ICB475 14750000
		00020		8213+UCBRR	EQU	X'20' -	THIS DEVICE IS SHARABLE BETWEEN 14800000
				8214+*			TWO CPU'S (DIRECT ACCESS) MDC159 14850000
		00010		8215+UCB20PT3	EQU	X'10' -	FLAG 3 14900000
		00010		8216+UCBDUDN2	EQU	X'10' -	DUAL DENSITY 1600/6250 BPI ICB475 14950000
		00010		8217+UCBRPS	EQU	X'10' -	ROTATIONAL POSITION SENSING (RPS) 15000000
				8218+*			DEVICE (DIRECT ACCESS) MDC120 15050000
		00008		8219+UCB20PT4	EQU	X'08' -	FLAG 4 15100000
		00008		8220+UCBRWTAU	EQU	X'08' -	READ/WRITE TAPE CONTROL MDC166 15150000
		00008		8221+UCBRVDEV	EQU	X'08' -	IF 0, REAL DEVICE. IF 1, VIRTUAL 15160003
				8222+*			DEVICE. (DIRECT ACCESS) 15170003
				8223+*			(MDC300) @Z30LP9A 15180003
		00004		8224+UCB20PT5	EQU	X'04' -	FLAG 5 15200000
		00002		8225+UCB20PT6	EQU	X'02' -	FLAG 6 15250000
		00002		8226+UCBVLPWR	EQU	X'02' -	VOLUME REQUIRES ALTERNATE POWER 15300003
				8227+*			SOURCE DEVICE (MDC322) @Z30AQ9A 15310003
		00001		8228+UCB20PT7	EQU	X'01' -	FLAG 7 15350000
		00001		8229+UCBDVPWR	EQU	X'01' -	DEVICE HAS ALTERNATE POWER SOURCE 15400003
				8230+*			(MDC323) @Z30AQ9A 15410003
000012				8231+UCBDVCLS	DS	0B -	SAME AS UCBTBYT3 MDC169 15450000
000012				8232+UCBTBYT3	DS	B -	CLASS BITS 15500000
		00080		8233+UCB3TAPE	EQU	X'80' -	TAPE 15550000
		00040		8234+UCB3COMM	EQU	X'40' -	COMMUNICATIONS 15600000
		00041		8235+UCB3CTC	EQU	X'41' -	CHANNEL-TO-CHANNEL ADAPTER MDC239 15650000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
			00020	8236+UCB3DACC	EQU	X'20' -	DIRECT ACCESS 15700000
			00010	8237+UCB3DISP	EQU	X'10' -	DISPLAY 15750000
			00008	8238+UCB3UREC	EQU	X'08' -	UNIT RECORD 15800000
			00004	8239+UCB3CHAR	EQU	X'04' -	CHARACTER READER 15850000
			00002	8240+UCBRSV10	EQU	X'02' , , C'X' -	RESERVED 15900000
			00001	8241+UCBRSV11	EQU	X'01' , , C'X' -	RESERVED 15950000
000013				8242+UCBUNTYP	DS	0C -	SAME AS UCBTBYT4 MDC170 16000000
000013				8243+UCBTBYT4	DS	C -	DEVICE CODE 16050000
		000F1		8244+UCB3791L	EQU	X'F1' -	3791 LOCAL CONTROL UNIT 16053004
				8245+*			(MDC342) @Z40KP9A 16056004
		0004C		8246+UCB3838	EQU	X'4C' -	3838 ARRAY PROCESSOR 16057016
				8247+*			(MDC360) @G29AN9A 16058016
		00042		8248+UCBDSM	EQU	X'42' -	MASS STORAGE CONTROL (MSC) (3851) 16060003
				8249+*			(MDC329) @Z30LP9A 16070003
		0003D		8250+UCB7443	EQU	X'3D' -	7443 SERVICE RECORD FILE 16073051
				8251+*			(MDC368) @G51DP9A 16076051
		00019		8252+UCB3895	EQU	X'19' -	3895 DEVICE (MDC363) @G30AP9A 16080016
		00011		8253+UCB42AD1	EQU	X'11' -	2702 CONTROL UNIT WITH TYPE 1 16100000
				8254+*			ADAPTOR 16150000
		0000E		8255+UCB3800	EQU	X'0E' -	3800 DEVICE (MDC321) @Z40MP9A 16170004
		0000D		8256+UCB3036	EQU	X'0D' -	3036 DISPLAY CONSOLE 16180051
				8257+*			(MDC367) @G51AP9A 16190051
		00009		8258+UCB3211	EQU	X'09' -	3211 PRINTER MDC165 16200000
		00003		8259+UCB3400	EQU	X'03' -	3400 MAGNETIC TAPE MDC021 16250000
		00001		8260+UCB2400	EQU	X'01' -	2400 SERIES MAGNETIC TAPE 16300000
				8261+*			DEVICE ICB376 16350000
000014				8262+UCBEXTPT	DS	0A -	ADDRESS OF COMMON UCB EXTENSION 16400000
				8263+*			MDC227 16450000
000014				8264+UCBFLC	DS	BL1 -	I/O SUPERVISOR FLAG BYTE C MDC228 16500000
		00080		8265+UCBATTTP	EQU	X'80' -	ATTENTION PENDING MDC229 16550000
		00040		8266+UCBWAA	EQU	X'40' -	WORK AREA APPENDED MDC230 16600000
		00020		8267+UCBUDE	EQU	X'20' -	UNSOLICITED DEVICE END RECEIVED 16650000
				8268+*			MDC231 16700000
		00010		8269+UCBITF	EQU	X'10' -	INTERCEPT CONDITION MDC232 16750000
		00008		8270+UCBIVRS	EQU	X'08' -	INTERVENTION REQUIRED MESSAGE 16800000
				8271+*			ISSUED MDC233 16850000
		00004		8272+UCBIVRR	EQU	X'04' -	INTERVENTION REQUIRED MESSAGE 16900000
				8273+*			IS NEEDED MDC234 16950000
		00002		8274+UCBTICBT	EQU	X'02' -	CHANNEL END AND/OR DEVICE END 17000000
				8275+*			OR MOUNT CONDITION PENDING. MDC235 17050000
		00001		8276+UCBDDRSW	EQU	X'01' -	DDR SWITCH PENDING ON THIS 17100000
				8277+*			DEVICE MDC236 17150000
000015				8278+UCBEXTPT	DS	AL3 -	ADDRESS OF COMMON UCB EXTENSION 17200000
				8279+*			MDC237 17250000
				8280+*			17300000
		00000		8281+SRTEJBNR	EQU	UCBJBNR -	ALIAS 17350000
		00001		8282+SRTEMNT	EQU	UCBMONT -	ALIAS 17400000
		00003		8283+SRTESTAT	EQU	UCBSTAT -	ALIAS 17450000
		00080		8284+SRTEONLI	EQU	UCBONLI -	ALIAS 17500000
		00040		8285+SRTECHGS	EQU	UCBCHGS -	ALIAS 17550000
		00020		8286+SRTERESV	EQU	UCBRESV -	ALIAS 17600000
		00010		8287+SRTEUNLD	EQU	UCBUNLD -	ALIAS 17650000
		00008		8288+SRTEALOC	EQU	UCBALOC -	ALIAS 17700000
		00004		8289+SRTEPRES	EQU	UCBPRES -	ALIAS 17750000
		00002		8290+SRTESYSR	EQU	UCBSYSR -	ALIAS 17800000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
			00001	8291+SRTEADADI EQU	UCBDADI - ALIAS	17850000
			00006	8292+UCBFL2 EQU	UCBFL1 - ALIAS (UCBCHA WAS ONCE UCBFL1)	17900000
				8293+*		17950000
				8294+*****		18000000
				8295+*		18050000
				8296+*	DEVICE-DEPENDENT UCB SEGMENTS	18100000
				8297+*		18150000
			00018	8298+UCBDEV EQU	*	18200000
				8299+*		18250000
				8300+*****		18300000
				8301+*		18350000
				8302+*	DIRECT ACCESS DEVICE SEGMENT	18400000
				8303+*		18450000
000018			00018	8304+*	ORG UCBDEV - DEVICE-DEPENDENT SEGMENT	18500000
				8305+*		18550000
				8306+*	UCBVOLI, UCBSTAB AND UCBDMCT ARE SAME IN TAPE SEGMENT AS	18600000
				8307+*	IN DIRECT ACCESS SEGMENT	18650000
				8308+*		18700000
				8309+*****		18750000
				8310+*		18800000
000018				8311+UCBVTOC DS	CL4 - RELATIVE ADDRESS OF VTOC FOR THIS	18850000
				8312+*	VOLUME, IN FORM TTR0 MDC085	18900000
00001C				8313+UCBVOLI DS	CL6 - VOLUME SERIAL NUMBER	18950000
000022				8314+UCBSTAB DS	BL1 - VOLUME STATUS	19000000
			00080	8315+UCBBSVL EQU	X'80' - VOLUME DEMOUNTABLE BY DATA	19050000
				8316+*	MANAGEMENT (DIRECT ACCESS)	19100000
				8317+*	(OS/VS2) MDC008	19150000
			00080	8318+UCBDVSHR EQU	X'80' - DEVICE NOT SHARABLE AMONG SEVERAL	19200000
				8319+*	CPU'S (3420 MAGNETIC TAPE DEVICES	19250000
				8320+*	ONLY) (MDC245) XA03017	19300000
			00040	8321+UCBPGFL EQU	X'40' - UCB IS OPEN AND IS BEING USED AS A	19350000
				8322+*	PAGE FILE	19400000
			00020	8323+UCBPRSRS EQU	X'20' - DURING VOLUME ATTRIBUTE PROCESSING	19450000
				8324+*	THIS BIT IS USED BOTH TO DENOTE	19500000
				8325+*	UCB'S THAT WERE MARKED PERMANENTLY	19550000
				8326+*	RESIDENT PRIOR TO GETTING CONTROL	19600000
				8327+*	AND TO IDENTIFY DEVICES THAT WERE	19650000
				8328+*	SELECTED BY THE OPERATOR FOR	19700000
				8329+*	MOUNTING VOLUMES (DIRECT ACCESS)	19750000
				8330+*	MDC162	19800000
			00020	8331+UCBBALB EQU	X'20' - ADDITIONAL VOLUME LABEL PROCESSING	19850000
				8332+*	(TAPE)	19900000
			00010	8333+UCBBPRV EQU	X'10' - PRIVATE - VOLUME USE STATUS	19950000
			00008	8334+UCBBPUB EQU	X'08' - PUBLIC - VOLUME USE STATUS	20000000
			00004	8335+UCBBSTR EQU	X'04' - STORAGE - VOLUME USE STATUS	20050000
				8336+*	(DIRECT ACCESS)	20100000
				8337+*	THE VOLUME MOUNTED HAS AN AMERICAN	20150000
				8338+*	NATIONAL STANDARD LABEL (TAPE)	20200000
			00002	8339+UCBSHAR EQU	X'02' - VOLUME SHAREABLE AMONG JOB STEPS	20250000
				8340+*	(OS/VS2) MDC020	20300000
			00001	8341+UCBBNUL EQU	X'01' - CONTROL VOLUME - A CATALOG DATA SET	20350000
				8342+*	IS ON THIS VOLUME (DIRECT ACCESS)	20400000
				8343+*	IF THE MULTIPLE CONSOLE SUPPORT	20450000
				8344+*	OPTION IS IN THE SYSTEM, DEMOUNT OR	20500000
				8345+*	MOUNT MESSAGES HAVE BEEN ISSUED AND	20550000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				8346+*	THE MESSAGE ID'S ARE AT OFFSETS 40	20600000
				8347+*	THROUGH 45. OPEN WILL DELETE THE	20650000
				8348+*	MESSAGES AND TURN THIS BIT OFF.	20700000
				8349+*	(TAPE)	20750000
000023				8350+UCBDMCT DS XL1 -	VOLUME USE BYTE	20800000
		00080		8351+UCBMOUNT EQU X'80' -	IF 0, A MOUNT VERIFICATION HAS BEEN	20850000
				8352+*	PERFORMED. IF 1, A MOUNT REQUEST	20900000
				8353+*	HAS BEEN ISSUED. (DIRECT ACCESS)	20950000
				8354+*	FOR TAPE, THE FOLLOWING MEANINGS	21000000
				8355+*	APPLY.	21050000
				8356+*	NORMAL SCHEDULER PROCESSING - IF 0,	21100000
				8357+*	NO VOLUME HAS BEEN MOUNTED. IF 1,	21150000
				8358+*	A VOLUME HAS BEEN MOUNTED BUT NO	21200000
				8359+*	VOLUME LABEL PROCESSING HAS BEEN	21250000
				8360+*	PERFORMED.	21300000
				8361+*	SL OPEN ROUTINE - IF 0, STANDARD	21350000
				8362+*	VOLUME LABEL AND CORRECT SERIAL	21400000
				8363+*	NUMBER HAVE BEEN VERIFIED. IF 1,	21450000
				8364+*	VOLUME LABEL IS NOT STANDARD FORMAT	21500000
				8365+*	OR SERIAL NUMBER IS NOT CORRECT.	21550000
				8366+*	(A MOUNT MESSAGE HAS BEEN ISSUED.)	21600000
				8367+*	NSL OPEN ROUTINE - IF 0,	21650000
				8368+*	NON-STANDARD VOLUME LABEL HAS BEEN	21700000
				8369+*	VERIFIED. IF 1, VOLUME LABEL IS NOT	21750000
				8370+*	STANDARD FORMAT. (CONTROL PASSES TO	21800000
				8371+*	THE PROCESSING PROGRAM'S	21850000
				8372+*	NON-STANDARD LABEL PROCESSING	21900000
				8373+*	ROUTINE.) VOLUME LABEL IS STANDARD	21950000
				8374+*	FORMAT. (CONTROL REMAINS WITH THE	22000000
				8375+*	OPEN ROUTINE. A MOUNT MESSAGE HAS	22050000
				8376+*	BEEN ISSUED.)	22100000
				8377+*	BLP OPEN ROUTINE - IF 0, VOLUME	22150000
				8378+*	LABEL HAS NOT BEEN PROCESSED.	22200000
		0007F		8379+UCBDMC EQU X'7F' -	NUMBER OF DCB'S OPEN FOR THIS VOLUME	22250000
		00024		8380+UCBDATP EQU * -	END OF COMMON DIRECT ACCESS/TAPE	22300000
				8381+*	AREA	22350000
000024				8382+UCBSQC DS FL1 -	NUMBER OF RESERVE MACRO INSTRUCTIONS	22400000
				8383+*	ISSUED MDC086	22450000
000025				8384+UCBFL4 DS BL1 -	DIRECT ACCESS FLAG BYTE MDC087	22500000
		00080		8385+UCBDAVV EQU X'80' -	DIRECT ACCESS VOLUME VERIFICATION	22550000
				8386+*	IN CONTROL (DAVV) MDC127	22600000
		00040		8387+UCBWDAV EQU X'40' -	DAVV WAITING FOR MOUNT MDC128	22650000
		00020		8388+UCBRESVP EQU X'20' -	RESERVE CHANNEL PROGRAM PENDING	22700003
				8389+*	(MDC356) @ZA06072	22710003
		00010		8390+UCBDSS EQU X'10' -	READ HOME ADDRESS AND READ RECORD	22750000
				8391+*	ZERO OPERATIONS HAVE BEEN PERFORMED	22800000
				8392+*	BY DYNAMIC SUPPORT SYSTEM (DSS)	22850000
				8393+*	MDC088	22900000
		00008		8394+UCBATTN EQU X'08' -	3330V ATTENTION RECEIVED	22920016
				8395+*	(MDC357) @G24LP9A	22950016
		00004		8396+UCBHOLD EQU X'04' -	3330V CYLINDER FAULT PENDING	23000016
				8397+*	(MDC358) @G24LP9A	23010016
		00002		8398+UCBMAT EQU X'02' -	3330V ATTENTION OVERDUE	23050016
				8399+*	(MDC359) @G24LP9A	23060016
		00001		8400+UCBRRP EQU X'01' -	RESERVE/RELEASE PENDING	23100000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				8401+*	(MDC373)	@G64DP9A 23110000
000026				8402+UCBUSER DS	FL1 - NUMBER OF CURRENT USERS	MDC089 23150000
000027				8403+UCBSATI DS	FL1 - ATTENTION TABLE INDEX	@ZA41195 23200003
				8404+*	SAVED BY THE SCHEDULER.	23216603
				8405+*	(MDC395) @ZA41195	23233203
000028				8406+UCBBASE DS	A - ADDRESS OF BASE EXPOSURE UCB	MDC130 23250000
00002C				8407+UCBNEXP DS	A - BASE - ADDRESS OF LAST STARTED	23300000
				8408+*	EXPOSURE	23350000
				8409+*	NON-BASE - ADDRESS OF NEXT	23400000
				8410+*	EXPOSURE IN THE RING	23450000
				8411+*	THIS ADDRESS POINTS TO THE	23500000
				8412+*	MULTIPROCESSING PREFIX	MDC131 23550000
				8413+*		23600000
				8414+*****		23650000
				8415+*		23700000
				8416+*	MAGNETIC TAPE SEGMENT	23750000
				8417+*		23800000
000030		00018		8418+*	ORG UCBDEV - DEVICE-DEPENDENT SEGMENT	23850000
				8419+*		23900000
				8420+*	UCBVOLI, UCBSTAB AND UCBDMCT ARE SAME IN TAPE SEGMENT AS	23950000
				8421+*	IN DIRECT ACCESS SEGMENT	24000000
				8422+*		24050000
				8423+*****		24100000
				8424+*		24150000
000018				8425+UCBFSC T DS	H - DATA SET SEQUENCE COUNT	MDC090 24200000
00001A				8426+UCBFSEQ DS	H - DATA SET SEQUENCE NUMBER	MDC091 24250000
00001C				8427+*	CL8 - UCBVOLI, UCBSTAB AND UCBDMCT AS IN	24300000
				8428+*	DIRECT ACCESS SEGMENT	24350000
000024				8429+UCBFSE R DS	CL6 - BEFORE OPEN, MESSAGE ID'S. SEE	24400000
				8430+*	UCBSTAB BIT 7. AFTER OPEN, DATA	24450000
				8431+*	SET SERIAL NUMBER	MDC092 24500000
00002A				8432+UCBRES1B DS	XL1 - RESERVED	24550000
00002B				8433+UCBTFL1 DS	B - FLAG BYTE (TAPE DEVICES ONLY)	MDC015 24600000
		00080		8434+UCBNLT P EQU	X'80' - TAPE VOLUME DOES NOT CONTAIN	24650000
				8435+*	LABELS	MDC016 24700000
		00040		8436+UCBNSLT P EQU	X'40' - TAPE CONTAINS NON-STANDARD	24750000
				8437+*	LABELS	MDC017 24800000
		00020		8438+UCBDQDSP EQU	X'20' - DEQUEUE TAPE VOLUME WHEN DEMOUNTED	24850003
				8439+*	(MDC369) @ZA18180	24860003
		00010		8440+UCBRV005 EQU	X'10',,C'X' - RESERVED	24900000
		00008		8441+UCBRV006 EQU	X'08',,C'X' - RESERVED	24950000
		00004		8442+UCBRV007 EQU	X'04',,C'X' - RESERVED	25000000
		00002		8443+UCBRV008 EQU	X'02',,C'X' - RESERVED	25050000
		00001		8444+UCBRV009 EQU	X'01',,C'X' - RESERVED	25100000
00002C				8445+UCBXTN DS	0A - ADDRESS OF THE MAGNETIC TAPE UCB	25150000
				8446+*	EXTENSION	MDC093 25200000
00002C				8447+UCBVOPT DS	BL1 - VOLUME STATISTICS OPTION BITS	MDC094 25250000
		00080		8448+UCBESV EQU	X'80' - ERROR STATISTICS BY VOLUME (ESV)	25300000
				8449+*	RECORDS KEPT	MDC094 25350000
		00040		8450+UCBEVA EQU	X'40' - ERROR VOLUME ANALYSIS (EVA) RECORDS	25400000
				8451+*	KEPT	MDC094 25450000
		00020		8452+UCBESVC EQU	X'20' - IF 0, ESV RECORDS SENT TO SYS1.MAN	25500000
				8453+*	(X OR Y) DATA SET.	25550000
				8454+*	IF 1, ESV RECORDS SENT TO CONSOLE.	25600000
				8455+*		MDC094 25650000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
			00010	8456+UCBERPC	EQU	X'10' -	AN ERROR RECOVERY PROCEDURE HAS 25700000
				8457+*			CONTROL MDC094 25750000
			00008	8458+UCBESVE	EQU	X'08' -	AN ESV RECORD HAS BEEN ISSUED FOR 25800000
				8459+*			THIS VOLUME BECAUSE OF AN EOVS 25850000
				8460+*			CONDITION MDC094 25900000
			00004	8461+UCBRSV20	EQU	X'04',,C'X' -	RESERVED MDC094 25950000
			00002	8462+UCBRSV21	EQU	X'02',,C'X' -	RESERVED MDC094 26000000
			00001	8463+UCBRSV22	EQU	X'01',,C'X' -	RESERVED MDC094 26050000
00002D				8464+UCBXTNB	DS	AL3 -	ADDRESS OF THE MAGNETIC TAPE UCB 26100000
				8465+*			EXTENSION MDC095 26150000
				8466+*			26200000
			0001C	8467+SRTEVOLI	EQU	UCBVOLI -	ALIAS 26250000
			00022	8468+SRTESTAB	EQU	UCBSTAB -	ALIAS 26300000
			00080	8469+SRTEBSVL	EQU	UCBBSVL -	ALIAS 26350000
			00020	8470+SRTEBALB	EQU	UCBBALB -	ALIAS 26400000
			00010	8471+SRTEBPRV	EQU	UCBBPRV -	ALIAS 26450000
			00008	8472+SRTEBPUB	EQU	UCBBPUB -	ALIAS 26500000
			00004	8473+SRTEBSTR	EQU	UCBBSTR -	ALIAS 26550000
			00004	8474+SRTEASCI	EQU	UCBBSTR -	ALIAS 26600000
			00004	8475+UCBASCI	EQU	SRTEASCI -	ALIAS 26650000
			00004	8476+SRTEBVQS	EQU	SRTEBSTR -	ALIAS 26700000
			00001	8477+SRTEBNUL	EQU	UCBBNUL -	ALIAS 26750000
			00023	8478+SRTEDMCT	EQU	UCBDMCT -	ALIAS 26800000
			00018	8479+SRTEFSCT	EQU	UCBFSCT -	ALIAS 26850000
			0001A	8480+SRTEFSEQ	EQU	UCBFSEQ -	ALIAS 26900000
			00026	8481+SRTEUSER	EQU	UCBUSER -	ALIAS 26950000
				8482+*			27000000
				8483+*****			27050000
				8484+*			27100000
				8485+*		UNIT RECORD WITH	27150000
				8486+*		UNIVERSAL CHARACTER SET (1403, 3211)	27200000
				8487+*		OR OPTICAL CHARACTER READER (3886)	27250000
				8488+*		OR 3540 DEVICE	@Z300P9A 27270003
				8489+*		OR 3800 DEVICE	@Z40MP9A 27280004
				8490+*		UCB SEGMENT	27300000
				8491+*			27350000
000030			00018	8492+	ORG	UCBDEV -	DEVICE-DEPENDENT SEGMENT 27400000
				8493+*			27450000
				8494+*****			27500000
				8495+*			27550000
000018				8496+UCBXTADR	DS	A -	ADDRESS OF UCS UCB EXTENSION (1403 27600000
				8497+*			OR 3211) OR ADDRESS OF OPTICAL 27650000
				8498+*			CHARACTER READER UCB EXTENSION 27700000
				8499+*			(3886) OR ADDRESS OF 3540 DEVICE 27750003
				8500+*			UCB EXTENSION (3540) OR ADDRESS OF 27760004
				8501+*			3800 UCB EXTENSION (3800) (MDC304) 27763004
				8502+*			@Z40MP9A 27770004
				8503+*			27800000
				8504+*****			27850000
				8505+*			27900000
				8506+*		GRAPHICS EXCEPT 3270	27950000
				8507+*		UCB SEGMENT	28000000
				8508+*			28050000
00001C			00018	8509+	ORG	UCBDEV -	DEVICE-DEPENDENT SEGMENT 28100000
				8510+*			28150000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				8511+*****		28200000
				8512+*		28250000
000018				8513+UCBSTART DS	H - LAST START ADDRESS (MDC247) YM4067	28300000
00001A				8514+UCBOPEN DS	FL1 - NUMBER OF DCB'S THAT ARE CURRENTLY	28350000
				8515+*	OPEN FOR THIS DEVICE	28400000
00001B				8516+UCBGCB DS	C - GRAPHIC CONTROL BYTE USED FOR	28450000
				8517+*	ATTENTION HANDLING	28500000
00001C				8518+UCBTEB DS	A - ADDRESS OF TASK ENTRY (TE) BLOCK	28550000
000020				8519+UCBSNS DS	XL4 - SENSE INFORMATION (MDC248) YM4067	28600000
000024				8520+UCBBTA DS	0A - ADDRESS OF BUFFER TABLE	28650000
000024				8521+UCBDI DS	FL1 - DEVICE OR DEVICES ON A CONTROL UNIT	28700000
				8522+*	TO WHICH BUFFER SECTIONS ARE	28750000
				8523+*	ASSIGNED	28800000
000025				8524+UCBBTB DS	AL3 - ADDRESS OF BUFFER TABLE	28850000
				8525+*		28900000
				8526+*****		28950000
				8527+*		29000000
				8528+*	3270 GRAPHICS	29050000
				8529+*	UCB SEGMENT	29100000
				8530+*		29150000
000028		00018		8531+ ORG	UCBDEV - DEVICE-DEPENDENT SEGMENT ICB480	29200000
				8532+*		29250000
				8533+*****		29300000
				8534+*		29350000
000018				8535+UCBAOF DS	0BL2 - ADDITIONAL OPTIONAL FEATURES. AN	29400000
				8536+*	EXTENSION OF THE OPTIONAL FEATURES	29450000
				8537+*	BYTE OF THE UCBTYP FIELD. ICB480	29500000
000018				8538+UCBAOF1 DS	B - FIRST BYTE OF UCBAOF ICB480	29550000
		00080		8539+UCBOFMCR EQU	X'80' - MAGNETIC CARD READER ADAPTER -	29600000
				8540+*	FOR 3277 ONLY ICB480	29650000
		00040		8541+UCBOFSP EQU	X'40' - SELECTOR PEN - FOR 3277 ONLY ICB480	29700000
		00020		8542+UCBOFNL EQU	X'20' - NUMERIC LOCK - FOR 3277 ONLY ICB480	29750000
		00010		8543+UCBOFPTR EQU	X'10' - PREPARE TO READ FEATURE	29800003
				8544+*	(MDC388) @ZA41164	29825003
		00008		8545+UCBRVS65 EQU	X'08' , , C'X' - RESERVED ICB480	29850000
		00004		8546+UCBRVS66 EQU	X'04' , , C'X' - RESERVED ICB480	29900000
		00002		8547+UCBRVS67 EQU	X'02' , , C'X' - RESERVED ICB480	29950000
		00001		8548+UCBRVS68 EQU	X'01' , , C'X' - RESERVED ICB480	30000000
000019				8549+UCBAOF2 DS	B - SECOND BYTE OF UCBAOF ICB480	30050000
		00080		8550+UCBRVS69 EQU	X'80' , , C'X' - RESERVED ICB480	30100000
		00040		8551+UCBRVS70 EQU	X'40' , , C'X' - RESERVED ICB480	30150000
		00020		8552+UCBRVS71 EQU	X'20' , , C'X' - RESERVED ICB480	30200000
		00010		8553+UCBRVS72 EQU	X'10' , , C'X' - RESERVED ICB480	30250000
		00008		8554+UCBRVS73 EQU	X'08' , , C'X' - RESERVED ICB480	30300000
		00004		8555+UCBRVS74 EQU	X'04' , , C'X' - RESERVED ICB480	30350000
		00002		8556+UCBRVS75 EQU	X'02' , , C'X' - RESERVED ICB480	30400000
		00001		8557+UCBRVS76 EQU	X'01' , , C'X' - RESERVED ICB480	30450000
00001A				8558+UCBATNCT DS	FL1 - ATTENTION COUNT. THE NUMBER OF	30500000
				8559+*	ATTENTIONS NOT SERVICED IN THE LINE	30550000
				8560+*	GROUP. PRESENT ONLY IF THE DEVICE	30600000
				8561+*	INDEX FIELD IS 1. OTHERWISE, THIS	30650000
				8562+*	FIELD IS RESERVED. ICB480	30700000
00001B				8563+ DS	B - UCBGCB - CONTROL BYTE. USED FOR	30750000
				8564+*	ATTENTION HANDLING FLAGS ICB480	30800000
		00080		8565+UCBOLTEP EQU	X'80' - OLTEP IN CONTROL OF THE DEVICE	30850000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				8566+*		ICB480 30900000
		00040		8567+UCBRSV77 EQU	X'40' , , C'X' - RESERVED	ICB480 30950000
		00020		8568+UCBRSV78 EQU	X'20' , , C'X' - RESERVED	ICB480 31000000
		00010		8569+UCBRSV79 EQU	X'10' , , C'X' - RESERVED	ICB480 31050000
		00008		8570+UCBRTIAC EQU	X'08' - READ TI ACTIVE	MDC171 31100000
		00004		8571+UCBRIPND EQU	X'04' - READ INITIAL PENDING	ICB480 31150000
		00002		8572+UCBSKPGF EQU	X'02' - SKIP FLAG	ICB480 31200000
		00001		8573+UCBATRCDEQU	X'01' - ATTENTION RECEIVED FROM THE	31250000
				8574+*	DEVICE	ICB480 31300000
00001C				8575+UCBIRB DS	0A - ADDRESS OF THE IRB USED FOR	31350000
				8576+*	SCHEDULING THE SECOND LEVEL	31400000
				8577+*	ATTENTION ROUTINE	ICB480 31450000
00001C				8578+UCBGRAF DS	B - GRAPHICS STATUS FLAGS (BTAM)	MDC172 31500000
		00080		8579+UCBOIP EQU	X'80' - OPEN IS IN PROGRESS	MDC173 31550000
		00040		8580+UCBDRO EQU	X'40' - DEVICE READY IN OPEN	MDC174 31600000
		00020		8581+UCBDRNO EQU	X'20' - DEVICE READY - NOT IN OPEN	MDC175 31650000
		00010		8582+UCBBTAM EQU	X'10' - USE BTAM - IGG019UP	MDC176 31700000
		00008		8583+UCBUPM EQU	X'08' - USE PROVIDED MODULE	MDC177 31750000
		00004		8584+UCBRPND EQU	X'04' - READY PROCESSING NOT DONE	MDC178 31800000
		00002		8585+UCBDWNR EQU	X'02' - DEVICE WENT NOT READY	MDC179 31850000
		00001		8586+UCBRV039 EQU	X'01' - RESERVED - BTAM	MDC180 31900000
00001D				8587+UCBIRBA DS	AL3 - ADDRESS OF THE IRB USED FOR	31950000
				8588+*	SCHEDULING THE SECOND LEVEL	32000000
				8589+*	ATTENTION ROUTINE	MDC181 32050000
000020				8590+UCBLDNCA DS	0A - ADDRESS OF 3270 WORK AREA	32100000
				8591+*	ESTABLISHED BY VTAM	MDC132 32150000
000020				8592+UCBRDYQ DS	0A - ASYNCHRONOUS READY NOTIFICATION IRB	32200000
				8593+*	ADDRESS (BTAM)	MDC182 32250000
000020				8594+UCBINRLN DS	0FL1 - SAME AS UCBIRLN	MDC183 32300000
000020				8595+UCBIRLN DS	FL1 - INITIALIZED RLN. THE RELATIVE LINE	32350000
				8596+*	NUMBER (RLN) OF THE IOB INITIALIZED	32400000
				8597+*	FOR A READ INITIAL. IF 0, NO READ	32450000
				8598+*	INITIAL IS OUTSTANDING. PRESENT	32500000
				8599+*	ONLY IF THE DEVICE INDEX FIELD IS 1.	32550000
				8600+*	OTHERWISE, THIS FIELD IS RESERVED.	32600000
				8601+*		ICB480 32650000
000021				8602+UCBLDNCA DS	0AL3 - ADDRESS OF 3270 WORK AREA	32700000
				8603+*	ESTABLISHED BY VTAM	MDC133 32750000
000021				8604+UCBRDYQA DS	AL3 - ASYNCHRONOUS READY NOTIFICATION IRB	32800000
				8605+*	ADDRESS (BTAM)	MDC184 32850000
000024				8606+UCBCTLNK DS	0A - SAME AS UCBCTLNA BELOW	ICB480 32900000
000024				8607+UCBRLN DS	FL1 - DEVICE INDEX. INDEX TO THE DEB UCB	32950000
				8608+*	ADDRESS FIELD FOR THIS DEVICE.	33000000
				8609+*	THIS VALUE IS ALSO THE RELATIVE	33050000
				8610+*	LINE NUMBER.	ICB480 33100000
000025				8611+UCBCTLNA DS	AL3 - CONTROL BLOCK LINK. IF THE DEVICE	33150000
				8612+*	INDEX FIELD IS 1, THIS FIELD	33200000
				8613+*	CONTAINS THE ADDRESS OF THE DEB FOR	33250000
				8614+*	THE LINE GROUP. IF THE DEVICE INDEX	33300000
				8615+*	FIELD IS BETWEEN 2 AND 255	33350000
				8616+*	INCLUSIVE, THIS FIELD CONTAINS THE	33400000
				8617+*	ADDRESS OF THE UCB WITH A DEVICE	33450000
				8618+*	INDEX OF 1.	ICB480 33500000
				8619+*		33550000
				8620+*****		33600000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				8621+*		33650000
				8622+*	3704, 3705 TELEPROCESSING DEVICE	33700000
				8623+*	UCB SEGMENT	33750000
				8624+*		33800000
000028		00018		8625+*	ORG UCBDEV - DEVICE-DEPENDENT SEGMENT	33850000
				8626+*		33900000
				8627+*	*****	33950000
				8628+*		34000000
000018				8629+UCBRV040 DS A -	RESERVED FOR USE AS TELEPROCESSING	34050000
				8630+*	EXTENSION POINTER MDC185	34100000
00001C				8631+UCBICNCB DS A -	POINTER TO VTAM'S ICNCB MDC186	34150000
				8632+*		34200000
				8633+*	*****	34250000
				8634+*		34300000
				8635+*	CHANNEL-TO-CHANNEL (CTC) DEVICE	34350000
				8636+*	UCB SEGMENT	34400000
				8637+*		34450000
000020		00018		8638+*	ORG UCBDEV - DEVICE-DEPENDENT SEGMENT	34500000
				8639+*		34550000
				8640+*	*****	34600000
				8641+*		34650000
000018				8642+UCBCTCAD DS 0A -	ADDRESS OF AN SRB/IOSB TO BE USED	34700004
				8643+*	FOR SENSE COMMAND BYTE BY IECTCATN	34750000
				8644+*	IF UCBCTC80 BIT IS SET TO ZERO	34800004
				8645+*	(MDC343) @Z40JP9A	34807004
000018				8646+UCBCTCAL DS A -	ADDRESS OF JES3 ROUTINE FOR	34814004
				8647+*	SWITCHING TO ALTERNATE PATH CTC IF	34821004
				8648+*	UCBCTC80 BIT IS SET TO ONE	34828004
				8649+*	(MDC344) @Z40JP9A	34835004
00001C				8650+UCBCTCF1 DS B -	CHANNEL-TO-CHANNEL (CTC) DEVICE FLAG	34850000
				8651+*	BYTE MDC241	34900000
		00080		8652+UCBCTC80 EQU X'80' -	IF THIS BIT IS ON, ABOVE WORD HAS	34904004
				8653+*	UCBCTCAL MEANING. IF THIS BIT IS	34908004
				8654+*	OFF, ABOVE WORD HAS UCBCTCAD	34912004
				8655+*	MEANING. (MDC345) @Z40JP9A	34916004
	00040			8656+UCBRV076 EQU X'40',,C'X' -	RESERVED @Z40JP9A	34920004
	00020			8657+UCBRV077 EQU X'20',,C'X' -	RESERVED @Z40JP9A	34924004
	00010			8658+UCBRV078 EQU X'10',,C'X' -	RESERVED @Z40JP9A	34928004
	00008			8659+UCBRV079 EQU X'08',,C'X' -	RESERVED @Z40JP9A	34932004
	00004			8660+UCBRV080 EQU X'04',,C'X' -	RESERVED @Z40JP9A	34936004
	00002			8661+UCBRV081 EQU X'02',,C'X' -	RESERVED @Z40JP9A	34940004
	00001			8662+UCBRV082 EQU X'01',,C'X' -	RESERVED @Z40JP9A	34944004
00001D				8663+UCBRV042 DS XL3 -	RESERVED MDC242	34950000
				8664+*		34953003
				8665+*	*****	34956003
				8666+*		34959003
				8667+*	3851 OR 3838 DEVICE (MDC362) @G29AN9A	34960016
				8668+*	UCB SEGMENT	34965003
				8669+*		34968003
000020		00018		8670+*	ORG UCBDEV - DEVICE-DEPENDENT SEGMENT	34971003
				8671+*		34974003
				8672+*	*****	34977003
				8673+*		34980003
000018				8674+UCB IOSBA DS A -	ADDRESS OF IOSB. SET BY IOS FOR	34983003
				8675+*	ERROR CONDITIONS. (MDC330) @Z30LP9A	34986003

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
00001C				8676+UCBRV066 DS 0A -	RESERVED (MDC331)	@ZA56736 34990603
00001C				8677+UCBAPUB DS A -	3838 VPSS APUB ADDRESS	@ZA56736 34995203
				8678+*		35000000
				8679+*****		35050000
				8680+*		35100000
				8681+* UNIT CONTROL BLOCK EXTENSIONS		35150000
				8682+*		35200000
				8683+*****		35250000
				8684+*		35300000
				8685+* COMMON UCB EXTENSION		35350000
				8686+*		35400000
				8687+* THIS EXTENSION IS POINTED TO BY THE UCBEXTPT FIELD IN THE		35450000
				8688+* COMMON SEGMENT AND IS NOT CONTIGUOUS TO THE UCB.		35500000
				8689+*		35550000
000000				8690+UCBCMEXT DSECT , -		MDC225 35600000
				8691+*		35650000
				8692+*****		35700000
				8693+*		35750000
000000				8694+UCBETI DS FL1 -	A BINARY NUMBER USED BY THE EXIT	35800000
				8695+*	EFFECTOR ROUTINE TO COMPLETE THE	35850000
				8696+*	8-BYTE NAME OF AN IBM-SUPPLIED	35900000
				8697+*	ERROR ROUTINE FOR THIS DEVICE MDC209	35950000
000001				8698+UCBSTI DS FL1 -	INCREMENT WHICH, WHEN MULTIPLIED BY	36000000
				8699+*	10, BECOMES AN INDEX TO THE	36050000
				8700+*	STATISTICS TABLE (STATAB) MDC210	36100000
000002				8701+UCBDTI DS FL1 -	INDEX TO THE DEVICE TABLE MDC211	36150000
000003				8702+UCBATI DS FL1 -	INDEX TO THE ATTENTION TABLE (ANTAB)	36200000
				8703+*	OR OPTIONAL JOB ENTRY SUBSYSTEM	36250000
				8704+*	(JES) FLAG BYTE MDC212	36300000
	00080			8705+UCBRV04 EQU X'80' , , C'X' -	RESERVED	36350000
	00040			8706+UCBRV05 EQU X'40' , , C'X' -	RESERVED	36400000
	00020			8707+UCBRV06 EQU X'20' , , C'X' -	RESERVED	36450000
	00010			8708+UCBRV07 EQU X'10' , , C'X' -	RESERVED	36500000
	00008			8709+UCBRV08 EQU X'08' , , C'X' -	RESERVED	36550000
	00004			8710+UCBRV09 EQU X'04' , , C'X' -	RESERVED	36600000
	00002			8711+UCBHALI EQU X'02' -	OPTIONAL JOB ENTRY SUBSYSTEM (JES)	36650000
				8712+*	ALLOCATION INDICATOR MDC213	36700000
	00001			8713+UCBHPDV EQU X'01' -	OPTIONAL JOB ENTRY SUBSYSTEM (JES)	36750000
				8714+*	PSEUDO-DEVICE MDC214	36800000
000004				8715+UCBSNSCT DS FL1 -	COUNT OF SENSE BYTES PRESENTED	36850000
				8716+*	BY THIS DEVICE MDC215	36900000
000005				8717+UCBFLP1 DS B -	FLAG BYTE MDC216	36950000
	00080			8718+UCBNSRCH EQU X'80' -	THE CURRENTLY ALLOCATED VOLUME WAS	37000000
				8719+*	SPECIFICALLY REQUESTED BY VOLUME	37050000
				8720+*	SERIAL NUMBER. IT IS NOT AVAILABLE	37100000
				8721+*	FOR ASSIGNMENT BY OPEN/EOV FOR A	37150000
				8722+*	NON-SPECIFIC VOLUME REQUEST. MDC217	37200000
	00040			8723+UCBSHRUP EQU X'40' -	SHAREABLE WHEN IN UNIPROCESSOR MODE	37250003
				8724+*	(MDC333) @ZA00805	37260003
	00020			8725+UCBNSWAP EQU X'20' -	IF THIS BIT IS ON AND UCBPRES BIT IS	37300003
				8726+*	ON, THIS FIXED HEAD DEVICE CANNOT BE	37310003
				8727+*	SWAPPED (MDC364) @ZA16810	37320003
	00010			8728+UCBINHIO EQU X'10' -	INHIBIT HIO FROM SVC 33	37350003
				8729+*	(MDC365) @ZA16811	37360003
	00008			8730+UCBSWAPF EQU X'08' -	WITH BIT SET, THE DEVICE IS ABLE TO	37400003

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				8731+*	BE SWAPPED (MDC370)	@ZA31339 37410003
		00004		8732+UCBERLOG EQU X'04' -	INDICATES PRESENCE OF AN ERROR LOG	37420003
				8733+*	IN A DEVICE (MDC328)	@Z40MP9A 37430003
		00002		8734+UCBRV035 EQU X'02',,C'X' -	RESERVED	MDC163 37440003
		00001		8735+UCBRV036 EQU X'01',,C'X' -	RESERVED	MDC163 37490003
000006				8736+UCBRV041 DS CL2 -	RESERVED	MDC226 37600000
000008				8737+UCBCCWOF DS H -	OFFSET TO CCW PREFIX	MDC218 37650000
00000A				8738+UCBPMSK DS BL2 -	PATH MASK FOR MESSAGES ISSUED	MDC219 37700000
00000C				8739+UCBMFCNT DS H -	MEASUREMENT FACILITIES TOTAL DEVICE	37750000
				8740+*	SIO COUNT. DURING NIP UCB	37800000
				8741+*	INITIALIZATION, USED FOR PREVIOUSLY	37850000
				8742+*	TESTED INDICATOR.	MDC220 37900000
00000E				8743+UCBASID DS H -	ASID OF THE MEMORY TO WHICH THIS	37950000
				8744+*	DEVICE IS ALLOCATED EXCEPT FOR	38000004
				8745+*	UNALLOCATED TAPE. FOR UNALLOCATED	38008004
				8746+*	TAPE, ASID OF THE LAST MEMORY TO	38016004
				8747+*	WHICH THIS DEVICE WAS ALLOCATED.	38024004
				8748+*	(MDC348)	@ZA05164 38032004
000010				8749+UCBMIHTI DS B -	MISSING INTERRUPT HANDLER BYTE	38050041
				8750+*	(MDC354)	@ZA31340 38050441
		00080		8751+UCBMIHSF EQU X'80' -	MISSING INTERRUPT HANDLER UCB SCAN	38051441
				8752+*	FLAG (MDC376)	@ZA31340 38052141
		00040		8753+UCBMIHPB EQU X'40' -	WITH BIT SET, MISSING INTERRUPT	38052841
				8754+*	HANDLER CHECKING OF DEVICE IS	38053541
				8755+*	PERMANENTLY BYPASSED	38054241
				8756+*	(MDC375)	@ZA31340 38054941
		00020		8757+UCBMIHT1 EQU X'20' -	WITH BIT SET, MISSING INTERRUPT	38055641
				8758+*	HANDLER CHECKING OF DEVICE IS	38056341
				8759+*	TEMPORARILY BYPASSED	38057041
				8760+*	(MDC374)	@ZA31340 38057741
		00010		8761+UCBMIHT2 EQU X'10' -	WITH BIT SET, MISSING INTERRUPT	38058441
				8762+*	HANDLER CHECKING OF DEVICE IS	38059141
				8763+*	TEMPORARILY BYPASSED	38059841
				8764+*	(MDC378)	@ZA31340 38060541
		00008		8765+UCBRV084 EQU X'08' -	RESERVED (MDC377)	@G64DP9A 38061200
		00004		8766+UCBRV085 EQU X'04' -	RESERVED (MDC377)	@G64DP9A 38071200
		00002		8767+UCBRV086 EQU X'02' -	RESERVED (MDC377)	@G64DP9A 38081200
		00001		8768+UCBRV087 EQU X'01' -	RESERVED (MDC377)	@G64DP9A 38091200
000011				8769+UCBWTOID DS CL3 -	WTO MESSAGE IDENTIFIER (MDC250)	38101200
				8770+*	YM6828	38111200
000014				8771+UCBDDT DS A -	ADDRESS OF DEVICE-DEPENDENT TABLE	38121200
				8772+*	ASSOCIATED WITH UCB	38131200
				8773+*	(MDC371)	@G64DP9A 38141200
				8774+*		38200000
				8775+*****		38250000
				8776+*		38300000
				8777+*	MAGNETIC TAPE	38350000
				8778+*	UCB EXTENSION	38400000
				8779+*		38450000
				8780+*	THIS EXTENSION IS POINTED TO BY THE UCBXTN FIELD OF THE	38500000
				8781+*	UCB AND IS NOT CONTIGUOUS TO THE UCB.	38550000
				8782+*		38600000
000000				8783+UCBMT DSECT , -	UCBXTN -> UCBMT	38650000
				8784+*		38700000
				8785+*****		38750000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				8786+*		38800000
000000				8787+UCBCTD DS H -	SERIAL NUMBER IN BINARY OF TAPE	38850000
				8788+*	DRIVE UPON WHICH THE VOLUME WAS	38900000
				8789+*	CREATED MDC097	38950000
000002				8790+UCBTRT DS FL1 -	TEMPORARY READ ERROR THRESHOLD (IF	39000000
				8791+*	0, EVA IS NOT IN EFFECT). A BINARY	39050000
				8792+*	NUMBER FROM 1 THROUGH 255 AS	39100000
				8793+*	SELECTED AT SYSGEN TIME ON THE	39150000
				8794+*	SCHEDULR MACRO BY EVA=(N1,N2) WHERE	39200000
				8795+*	N1 = TEMPORARY READ ERROR THRESHOLD.	39250000
				8796+*	MDC097	39300000
000003				8797+UCBTWT DS FL1 -	TEMPORARY WRITE ERROR THRESHOLD (IF	39350000
				8798+*	0, EVA IS NOT IN EFFECT). A BINARY	39400000
				8799+*	NUMBER FROM 1 THROUGH 255 AS	39450000
				8800+*	SELECTED AT SYSGEN TIME ON THE	39500000
				8801+*	SCHEDULR MACRO BY EVA=(N1,N2) WHERE	39550000
				8802+*	N2 = TEMPORARY WRITE ERROR	39600000
				8803+*	THRESHOLD. MDC097	39650000
000004				8804+UCBTR DS FL1 -	THE NUMBER (BINARY) OF TEMPORARY	39700000
				8805+*	READ ERRORS THAT HAVE OCCURRED	39750000
				8806+*	MDC097	39800000
000005				8807+UCBTW DS FL1 -	THE NUMBER (BINARY) OF TEMPORARY	39850000
				8808+*	WRITE ERRORS THAT HAVE OCCURRED	39900000
				8809+*	MDC097	39950000
000006				8810+UCBSIO DS H -	THE NUMBER (BINARY) OF START I/O	40000000
				8811+*	OPERATIONS THAT HAVE OCCURRED MDC097	40050000
000008				8812+UCBPR DS FL1 -	THE NUMBER (BINARY) OF PERMANENT	40100000
				8813+*	READ ERRORS THAT HAVE OCCURRED	40150000
				8814+*	MDC097	40200000
000009				8815+UCBPW DS FL1 -	THE NUMBER (BINARY) OF PERMANENT	40250000
				8816+*	WRITE ERRORS THAT HAVE OCCURRED	40300000
				8817+*	MDC097	40350000
00000A				8818+UCBNB DS FL1 -	THE NUMBER (BINARY) OF NOISE BLOCKS	40400000
				8819+*	THAT HAVE BEEN ENCOUNTERED MDC097	40450000
00000B				8820+UCBMS DS CL1 -	MODE SET OPERATION CODE FOR DATA	40500000
				8821+*	BLOCKS ON A 3420 MAGNETIC TAPE UNIT	40550000
				8822+*	MDC097	40600000
00000C				8823+UCBERG DS H -	THE NUMBER (BINARY) OF ERASE GAPS	40650000
				8824+*	THAT HAVE BEEN ENCOUNTERED MDC097	40700000
00000E				8825+UCBCLN DS H -	THE NUMBER (BINARY) OF CLEANER	40750000
				8826+*	ACTIONS THAT HAVE OCCURRED MDC097	40800000
				8827+*		40850000
				8828+*****		40900000
				8829+*		40950000
				8830+*	OPTICAL CHARACTER READER (3886)	41000000
				8831+*	UCB EXTENSION	41050000
				8832+*		41100000
				8833+*	THIS EXTENSION IS POINTED TO BY THE UCBXTADR FIELD OF THE	41150000
				8834+*	UCB AND IS NOT CONTIGUOUS TO THE UCB.	41200000
				8835+*		41250000
000000				8836+UCBOCR DSECT , -	UCBXTADR -> UCBOCR MDC024	41300000
				8837+*		41350000
				8838+*****		41400000
				8839+*		41450000
000000				8840+UCBFRID DS CL4 -	CURRENT FORMAT RECORD ID (FRID)	41500000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
000004				8841+*	LOADED	MDC025 41550000
				8842+UCBRDATA DS XL4 -	COMMAND DATA	MDC026 41600000
				8843+*		41601003
				8844+*****		41602003
				8845+*		41603003
				8846+*	3540 DEVICE	@Z300P9A 41604003
				8847+*	UCB EXTENSION	@Z300P9A 41605003
				8848+*		41606003
				8849+*	THIS EXTENSION IS POINTED TO BY THE UCBXTADR FIELD OF THE	41607003
				8850+*	UCB AND IS NOT CONTIGUOUS TO THE UCB.	@Z300P9A 41608003
				8851+*		41609003
000000				8852+UCB3540X DSECT , -	UCBXTADR -> UCB3540X	41610003
				8853+*	(MDC325)	@Z300P9A 41611003
				8854+*		41612003
				8855+*****		41613003
				8856+*		41614003
000000				8857+UCBVLSE DS CL6 -	3540 VOLID (MDC326)	@Z300P9A 41615003
000006				8858+UCBDKBYT DS B -	FLAG BYTE (MDC334)	@Z300P9A 41616003
		00080		8859+UCBDKAMX EQU X'80' -	IBM-SUPPLIED DISKETTE READER,	41617003
				8860+*	DISKETTE WRITER OR COPY/RESTORE	41618003
				8861+*	UTILITIES ARE USING THIS 3540	41619003
				8862+*	DEVICE (MDC335)	@Z300P9A 41620003
		00040		8863+UCBVLVER EQU X'40' -	VOLUME VERIFICATION IS REQUIRED FOR	41621003
				8864+*	CERTAIN INTERVENTION REQUIRED	41622003
				8865+*	CONDITIONS WHILE 3540 DISKETTE	41623003
				8866+*	UTILITIES ARE USING THE DEVICE	41624003
				8867+*	(MDC336)	@Z300P9A 41625003
		00020		8868+UCBRV067 EQU X'20',,C'X' -	RESERVED	@Z300P9A 41626003
		00010		8869+UCBRV068 EQU X'10',,C'X' -	RESERVED	@Z300P9A 41627003
		00008		8870+UCBRV069 EQU X'08',,C'X' -	RESERVED	@Z300P9A 41628003
		00004		8871+UCBRV070 EQU X'04',,C'X' -	RESERVED	@Z300P9A 41629003
		00002		8872+UCBRV071 EQU X'02',,C'X' -	RESERVED	@Z300P9A 41630003
		00001		8873+UCBRV072 EQU X'01',,C'X' -	RESERVED	@Z300P9A 41631003
000007				8874+UCBRV073 DS C -	RESERVED	@Z300P9A 41632003
				8875+*		41650000
				8876+*****		41650804
				8877+*		41651604
				8878+*	3800 DEVICE	@Z40MP9A 41652404
				8879+*	UCB EXTENSION	@Z40MP9A 41653204
				8880+*		41654004
				8881+*	THIS EXTENSION IS POINTED TO BY THE UCBXTADR FIELD OF THE	41654804
				8882+*	UCB AND IS NOT CONTIGUOUS TO THE UCB.	@Z40MP9A 41655604
				8883+*		41656404
000000				8884+UCB3800X DSECT , -	UCBXTADR -> UCB3800X (MDC305)	41657204
				8885+*		@Z40MP9A 41658004
				8886+*		41658804
				8887+*****		41659604
				8888+*		41660404
000000				8889+UCBOPTNS DS B -	OPTIONAL FEATURES INSTALLED ON	41661204
				8890+*	PRINTER (MDC306)	@Z40MP9A 41662004
		00080		8891+UCBRV051 EQU X'80',,C'X' -	RESERVED	@Z40MP9A 41662804
		00040		8892+UCBRV052 EQU X'40',,C'X' -	RESERVED	@Z40MP9A 41663604
		00020		8893+UCBRV053 EQU X'20',,C'X' -	RESERVED	@Z40MP9A 41664404
		00010		8894+UCBRV054 EQU X'10',,C'X' -	RESERVED	@Z40MP9A 41665204
		00008		8895+UCBRV055 EQU X'08',,C'X' -	RESERVED	@Z40MP9A 41666004

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
000001			00004	8896+UCBRV056	EQU	X'04' , , C'X' -	RESERVED @Z40MP9A 41666804
			00002	8897+UCBBRSTR	EQU	X'02' -	RESERVED (MDC307) @Z40MP9A 41667604
			00001	8898+UCBRV083	EQU	X'01' , , C'X' -	RESERVED (MDC308) @Z40MP9A 41668404
				8899+UCBCGMNO	DS	FL1 -	NUMBER OF WRITEABLE CHARACTER 41669204
000002				8900+*			GENERATION MODULES (MDC309) @Z40MP9A 41670004
				8901+UCBGRAFS	DS	B -	GRAPHIC CHARACTER FLAG BYTE 41670803
				8902+*			(MDC387) @ZA42324 41670903
		00080		8903+UCBRV046	EQU	X'80' , , C'X' -	RESERVED (MDC387) @ZA42324 41671003
		00040		8904+UCBRV047	EQU	X'40' , , C'X' -	RESERVED (MDC387) @ZA42324 41671103
		00020		8905+UCBRV048	EQU	X'20' , , C'X' -	RESERVED (MDC387) @ZA42324 41671203
		00010		8906+UCBRV049	EQU	X'10' , , C'X' -	RESERVED (MDC387) @ZA42324 41671303
		00008		8907+UCBGRAF0	EQU	X'08' -	WCGM 0 HAS BEEN MODIFIED BY A 41671403
				8908+*			GRAPHIC CHARACTER MODIFICATION 41671503
				8909+*			(MDC387) @ZA42324 41671603
		00004		8910+UCBGRAF1	EQU	X'04' -	WCGM 1 HAS BEEN MODIFIED BY A 41671703
				8911+*			GRAPHIC CHARACTER MODIFICATION 41671803
				8912+*			(MDC387) @ZA42324 41671903
		00002		8913+UCBGRAF2	EQU	X'02' -	WCGM 2 HAS BEEN MODIFIED BY A 41672003
				8914+*			GRAPHIC CHARACTER MODIFICATION 41672103
				8915+*			(MDC387) @ZA42324 41672203
		00001		8916+UCBGRAF3	EQU	X'01' -	WCGM 3 HAS BEEN MODIFIED BY A 41672303
				8917+*			GRAPHIC CHARACTER MODIFICATION 41672403
				8918+*			(MDC387) @ZA42324 41672503
000003				8919+UCBACTIV	DS	B -	ACTIVE FEATURES (MDC311) @Z40MP9A 41672603
		00080		8920+UCBRV057	EQU	X'80' , , C'X' -	RESERVED @Z40MP9A 41672703
		00040		8921+UCBRV058	EQU	X'40' , , C'X' -	RESERVED @Z40MP9A 41673204
		00020		8922+UCBRV059	EQU	X'20' , , C'X' -	RESERVED @Z40MP9A 41674004
		00010		8923+UCBRV060	EQU	X'10' , , C'X' -	RESERVED @Z40MP9A 41674804
		00008		8924+UCBRV061	EQU	X'08' , , C'X' -	RESERVED @Z40MP9A 41675604
		00004		8925+UCBRV062	EQU	X'04' , , C'X' -	RESERVED @Z40MP9A 41676404
		00002		8926+UCBRV063	EQU	X'02' , , C'X' -	RESERVED @Z40MP9A 41677204
000004		00001		8927+UCBBRSTA	EQU	X'01' -	RESERVED (MDC312) @Z40MP9A 41678004
				8928+UCBCGMID	DS	CL4 -	FOUR ONE-BYTE ID'S FOR CHARACTER 41678804
				8929+*			MODULES LOADED IN WRITEABLE 41679604
				8930+*			CHARACTER GENERATION MODULES 41680404
000008				8931+*			(WCGM'S) (MDC313) @Z40MP9A 41681204
				8932+UCBCHAR1	DS	CL4 -	NAME OF FIRST TRANSLATE TABLE 41682004
00000C				8933+*			(MDC314) @Z40MP9A 41682804
				8934+UCBCHAR2	DS	CL4 -	NAME OF SECOND TRANSLATE TABLE 41683604
000010				8935+*			(MDC315) @Z40MP9A 41684404
				8936+UCBCHAR3	DS	CL4 -	NAME OF THIRD TRANSLATE TABLE 41685204
000014				8937+*			(MDC316) @Z40MP9A 41686004
				8938+UCBCHAR4	DS	CL4 -	NAME OF FOURTH TRANSLATE TABLE 41686804
000018				8939+*			(MDC317) @Z40MP9A 41687604
				8940+UCBFCBNM	DS	CL4 -	FORMS CONTROL BUFFER (FCB) IMAGE 41688404
00001C				8941+*			NAME (MDC318) @Z40MP9A 41689204
				8942+UCBIMAGE	DS	CL4 -	FORMS OVERLAY IMAGE IDENTIFICATION 41690004
000020				8943+*			(MDC319) @Z40MP9A 41690804
				8944+UCBLDATA	DS	H -	LOST DATA PAGE COUNT 41691603
000022				8945+*			(MDC387) @ZA42324 41691703
				8946+UCBPGID	DS	H -	ID OF THE LAST FUSED PAGE FOR 41691803
				8947+*			SYSTEM RESTART OR PAGE AT THE 41691903
				8948+*			TRANSFER STATION FOR CANCEL KEY 41692003
000024				8949+*			(MDC387) @ZA42324 41692103
				8950+UCBMDRBF	DS	0A -	MISCELLANEOUS DATA RECORDING (MDR) 41692404

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				8951+*	BUFFER ADDRESS (MDC339)	@Z40MP9A 41693204
000024				8952+UCBRV075 DS	FL1 -	RESERVED (MDC340) @Z40MP9A 41694004
000025				8953+UCBMDRBA DS	AL3 -	MDR BUFFER ADDRESS (MDC341) @Z40MP9A 41694804
				8954+*		41695604
				8955+*****		41700000
				8956+*		41750000
				8957+*	UNIT RECORD WITH	41800000
				8958+*	UNIVERSAL CHARACTER SET (1403, 3211)	41850000
				8959+*	UCB EXTENSION	41900000
				8960+*		41950000
				8961+*	THIS EXTENSION IS POINTED TO BY THE UCBXTADR FIELD OF THE	42000000
				8962+*	UCB AND IS NOT CONTIGUOUS TO THE UCB.	42050000
				8963+*		42100000
000000				8964+UCBUCS DSECT , -	UCBXTADR -> UCBUCS	42150000
				8965+*		42200000
				8966+*****		42250000
				8967+*		42300000
000000				8968+UCBUCSID DS	CL4 -	UCS IMAGE IDENTIFICATION IN BUFFER 42350000
000004				8969+UCBUCSOP DS	B -	FORMAT OF UCS IMAGE IN BUFFER 42400000
				8970+*		(0 FOR OPTION) 42450000
		00080		8971+UCBUCS01 EQU	X'80' -	UCS IMAGE IS A DEFAULT IMAGE 42500000
		00040		8972+UCBUCS02 EQU	X'40' -	UCS IMAGE IS IN FOLD MODE 42550000
		00020		8973+UCBRSV39 EQU	X'20' , , C'X' -	RESERVED 42600000
		00010		8974+UCBRSV40 EQU	X'10' , , C'X' -	RESERVED 42650000
		00008		8975+UCBRSV41 EQU	X'08' , , C'X' -	RESERVED 42700000
		00004		8976+UCBRSV42 EQU	X'04' , , C'X' -	RESERVED 42750000
		00002		8977+UCBRSV43 EQU	X'02' , , C'X' -	RESERVED 42800000
		00001		8978+UCBUCSPE EQU	X'01' -	UCS IMAGE HAS PARITY ERROR (3211) 42850000
000005				8979+UCBFCBOP DS	B -	RESERVED (1403) OR FCB OPTIONS 42900000
				8980+*		(3211) (0 FOR OPTION) 42950000
		00080		8981+UCBFCB01 EQU	X'80' -	FCB IMAGE IS A DEFAULT IMAGE 43000000
		00040		8982+UCBRSV44 EQU	X'40' , , C'X' -	RESERVED 43050000
		00020		8983+UCBRSV45 EQU	X'20' , , C'X' -	RESERVED 43100000
		00010		8984+UCBRSV46 EQU	X'10' , , C'X' -	RESERVED 43150000
		00008		8985+UCBRSV47 EQU	X'08' , , C'X' -	RESERVED 43200000
		00004		8986+UCBRSV48 EQU	X'04' , , C'X' -	RESERVED 43250000
		00002		8987+UCBRSV49 EQU	X'02' , , C'X' -	RESERVED 43300000
		00001		8988+UCBFCBPE EQU	X'01' -	FCB IMAGE HAS PARITY ERROR 43350003
				8989+*		(MDC372) @ZA26074 43360003
000006				8990+UCBRSV51 DS	X -	RESERVED 43400000
000007				8991+UCBERCNT DS	FL1 -	CONTAINS A COUNT OF THE ERRORS THAT 43450000
				8992+*		HAVE OCCURRED. THE COUNT, WHICH MAY 43500000
				8993+*		WRAP AROUND, IS WRITTEN IN STANDARD 43550000
				8994+*		OBR RECORDS (ONE PER ERROR) AND IN 43600000
				8995+*		NEW DEVICE-DEPENDENT OBR RECORDS (0 43650000
				8996+*		TO 3 PER ERROR) AND SERVE TO RELATE 43700000
				8997+*		TO EACH OTHER THE STANDARD AND 43750000
				8998+*		DEVICE-DEPENDENT OBR RECORDS THAT 43800000
				8999+*		PERTAIN TO EACH ERROR (3211) 43850000
000008				9000+UCBFCBID DS	CL4 -	THE FCB IMAGE IDENTIFICATION 43900000
00000C				9001+UCBERADR DS	A -	THE ADDRESS OF THE ERP LOGOUT AREA 43950000
				9002+	POP PRINT	44000000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				9004	IKJCPPL Command Processor Parm List	
				9005+	*****	12000020
				9006+*	THE COMMAND PROCESSOR PARAMETER LIST (CPPL) IS A LIST OF	* 15000020
				9007+*	ADDRESSES PASSED FROM THE TMP TO THE CP VIA REGISTER 1	* 18000020
				9008+	*****	21000020
000000				9009+CPPL	DSECT	24000020
000000				9010+CPPLCBUF	DS A PTR TO COMMAND BUFFER	27000020
000004				9011+CPPLUPT	DS A PTR TO UPT	33000020
000008				9012+CPPLPSCB	DS A PTR TO PSCB	36000020
00000C				9013+CPPLECT	DS A PTR TO ECT	39000020
				9014+**/		42000020
		00010		9015 CPPLLEN	EQU *-CPPL Length of CPPL	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				9017	IKJUPT	User Profile Table LB1010e
				9018+	*****	01150000
				9019+	* THE USER PROFILE TABLE (UPT) IS BUILT BY THE LOGON/LOGOFF	* 01200000
				9020+	* SCHEDULER FROM INFORMATION STORED IN THE UADS AND FROM THE	* 01250000
				9021+	* LOGON COMMAND. IT IS IN CORE SHARED BY THE TMP AND THE	* 01300000
				9022+	* LOGON/LOGOFF SCHEDULER. CP'S AND SERVICE ROUTINES CAN MODIFY	* 01350000
				9023+	* THE UPT, BUT THEY CANNOT FREE IT.	* 01400000
				9024+	*****	01450000
000000				9025+UPT	DSECT	01500000
000000				9026+	DS 0F	01550000
000000				9027+	DS CL2 RESERVED	01600000
000002				9028+UPTUSER	DS CL10 RESERVED FOR INSTALLATION USE	01650000
00000C				9029+UPTSWS	DS X USERS ENVIRONMENT SWITCHES	01700000
		00080		9030+UPTRCVR	EQU X'80' EDIT RECOVER OPTION IS REQUESTED DEFLT @Z40NQKG	01750000
		00040		9031+UPTNPRM	EQU X'40' NO PROMPTING IS TO BE DONE	01800000
		00020		9032+UPTMID	EQU X'20' PRINT MESSAGE IDENTIFIERS	01850000
		00010		9033+UPTNCOM	EQU X'10' NO USER COMMUNICATION ALLOWED VIA SEND COMMAND	01900000
		00008		9034+UPTPAUS	EQU X'08' PAUSE FOR '?' WHEN IN NON-INTERACTIVE MODE	02000000
		00004		9035+UPTALD	EQU X'04' ATTN HAS BEEN SPECIFIED AS LINE DELETE CHAR	02040000
		00002		9036+UPTMODE	EQU X'02' MODE MESSAGES DESIRED Y01676	02080000
		00001		9037+UPTWTP	EQU X'01' WRITE TO PROGRAMMER MESSAGES DESIRED Y02669	02120000
00000D				9038+UPTCDEL	DS CL1 CHAR DELETE CHARACTER	02160000
00000E				9039+UPTLDEL	DS CL1 LINE DELETE CHARACTER	02200000
00000F				9040+	DS CL1 RESERVED	02240000
000010				9041+UPTPREFIX	DS CL7 DSNAME PREFIX Y02669	02280000
000017				9042+UPTPREFL	DS BL1 LENGTH OF DSNAME PREFIX Y02669	02320000
				9043+**/		02360000
		00018		9044 UPTLEN	EQU *-UPT Length of UPT	LB1010e

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				9046	IKJPPL	Parse Parm List
000000				9047+PPL	DSECT	08000000
				9048+*****		10000000
				9049+*	THE PARSE PARAMETER LIST (PPL) IS A LIST OF ADDRESSES PASSED	* 12000000
				9050+*	FROM THE INVOKER TO PARSE VIA REGISTER 1	* 14000000
				9051+*****		16000000
000000				9053+PPLUPT	DS A PTR TO UPT	20000000
000004				9054+PPLECT	DS A PTR TO ECT	22000000
000008				9055+PPLECB	DS A PTR TO CP'S ECB	24000000
00000C				9056+PPLPCL	DS A PTR TO PCL	26000000
000010				9057+PPLANS	DS A PTR TO ANS PLACE	28000000
000014				9058+PPLCBUF	DS A PTR TO CMD BUFFER	30000000
000018				9059+PPLUWA	DS A PTR TO USER WORK AREA (FOR VALIDITY CK RTNS)	32000000
				9060+**/		34000000
		0001C		9061 PPLEN	EQU *-PPL Length of PPL	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				9063	IKJIOPL	I/O Service Routine Parm List
000000				9064+IOPL	DSECT	08000056
				9065+*****		10000056
				9066+*	THE I/O SERVICE ROUTINE PARAMETER LIST (IOPL) IS A LIST OF	* 12000056
				9067+*	FULLWORD ADDRESSES PASSED BY THE INVOKER OF ANY I/O SERVICE	* 14000056
				9068+*	ROUTINE TO THE APPROPRIATE SERVICE ROUTINE VIA REGISTER ONE.	* 16000056
				9069+*****		18000056
000000				9071+IOPLUPT	DS A PTR TO UPT	22000056
000004				9072+IOPECT	DS A PTR TO ECT	24000056
000008				9073+IOPECB	DS A PTR TO USER'S ECB	26000056
00000C				9074+IOPLIOPB	DS A PTR TO THE I/O SERVICE RTN PARM BLOCK	28000000
				9075+**/		30000056
		00010		9076 IOPLLEN	EQU *-IOPL Length of IOPL	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				9078	IKJDAPL	Dynamic Allocation Parm List
				9079+	*****	08000000
				9080+*	THE DYNAMIC ALLOCATION INTERFACE ROUTINE (DAIR) PARAMETER LIST	* 10000000
				9081+*	(DAPL) IS A LIST OF ADDRESSES PASSED FROM THE INVOKER TO DAIR	* 12000000
				9082+*	VIA REGISTER 1	14000000
				9083+	*****	16000000
000000				9084+	DAPL DSECT	18000000
000000				9086+	DAPLUPT DS A PTR TO UPT	22000000
000004				9087+	DAPLECT DS A PTR TO ECT	24000000
000008				9088+	DAPLECB DS A PTR TO CP'S ECB	26000000
00000C				9089+	DAPLPSCB DS A PTR TO PSCB	28000000
000010				9090+	DAPLDAPB DS A PTR TO DAIR PARAMETER BLOCK	30000000
				9091+	**/	32000000
		00014		9092	DAPLLEN EQU *-DAPL Length of DAPL	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				9094	IKJDAP08	Operation block ALLOC Dataset
000000				9095+DAPB08	DSECT	02800000
				9096+*****		03500000
				9097+*	THIS OPERATION CODE CAUSES ALLOCATION OF A DATA SET. IT CAN ALLOC.	* 04200000
				9098+*	EITHER A NEW OR OLD SET.	* 04900000
				9099+*****		05600000
000000				9100+DA08CD	DS CL2 DAIR ENTRY CODE	06300000
000002				9101+DA08FLG	DS X FUNCTIONS TO BE PERFORMED WHEN RET CODE IS 0	07000000
		00080		9102+DA08FPE	EQU X'80' FUNCT PERFORMED BUT ERROR INDICATED BY RETCD	07700000
000003				9103+	DS X	08400000
000004				9104+DA08DARC	DS H DYN ALLOC RETURN CODE	09100000
000006				9105+DA08CTRC	DS H CATALOG RETURN CODE	09800000
000008				9106+DA08PDSN	DS A POINTER TO DSNAME TO BE SEARCHED IN DSE	10500000
00000C				9107+DA08DDN	DS CL8 DDNAME TO BE SEARCHED IN DSE	11200000
000014				9108+DA08UNIT	DS CL8 UNITNAME REQUESTED	11900000
00001C				9109+DA08SER	DS CL8 VOLUME SERIAL NUMBER-PADDED W/BLANKS	12600000
000024				9110+DA08BLK	DS CL4 DATA SET AVERAGE RECORD LENGTH	13300000
000028				9111+DA08PQTY	DS CL4 PRIMARY SPACE QUANTITY	14000000
00002C				9112+DA08SQTY	DS CL4 SECONDARY SPACE QUANTITY	14700000
000030				9113+DA08DQTY	DS CL4 DIRECTORY BLOCK QUANTITY	15400000
000034				9114+DA08MNM	DS CL8 MEMBER NAME	16100000
00003C				9115+DA08PSWD	DS CL8 PASSWORD	16800000
000044				9116+DA08DSP1	DS X DATA SET STATUS FLGS(IF=0 OLD ASSUMED)	17500000
		00008		9117+DA08SHR	EQU X'08' DATA SET IS SHR	18200000
		00004		9118+DA08NEW	EQU X'04' DATA SET IS NEW	18900000
		00002		9119+DA08MOD	EQU X'02' DATA SET IS MOD	19600000
		00001		9120+DA08OLD	EQU X'01' DATA SET IS OLD	20300000
000045				9121+DA08DPS2	DS X DATA SET DISPOSITION(IF=0 KEEP ASSUMED)	21000000
		00008		9122+DA08KEEP	EQU X'08' DS DISP IS KEEP	21700000
		00004		9123+DA08DEL	EQU X'04' DS DISP IS DELETE	22400000
		00002		9124+DA08CAT	EQU X'02' DS DISP IS CATLG	23100000
		00001		9125+DA08UCAT	EQU X'01' DS DISP IS UNCATALOG	23800000
000046				9126+DA08DPS3	DS X DATA SET CONDITIONAL DISPOSITION	24500000
		00008		9127+DA08KEP	EQU X'08'	25200000
		00004		9128+DA08DELE	EQU X'04'	25900000
		00002		9129+DA08CATL	EQU X'02' DS DISP OF CATLG DESIRED	26600000
		00001		9130+DA08UNCT	EQU X'01' DS DISP OF UNCATLG DESIRED	27300000
000047				9131+DA08CTL	DS X FLAGS TO CONTROL ACTIONS TAKEN BY DAIR	28000000
		00080		9132+DA08TRKS	EQU X'80' UNITS ARE TRKS	28700000
		00040		9133+DA08ABKL	EQU X'40'	29400000
		000C0		9134+DA08CYLS	EQU X'C0' UNITS ARE CYLS	30100000
		00020		9135+DA08UID	EQU X'20' USER ID IS TO BE PREFIXED	30800000
		00010		9136+DA08RLSE	EQU X'10' RELEASE (RLSE) REQUESTED	31500000
		00008		9137+DA08PERM	EQU X'08' DATA SET MUST BE SPECIFICALLY UNALLOCATED	32200000
		00004		9138+DA08DMMY	EQU X'04'	32900000
		00002		9139+DA08ATRL	EQU X'02' ATTRIBUTE LIST SUPPLIED	C99236 32950001
000048				9140+	DS CL3 RESERVED	33600000
00004B				9141+DA08DSO	DS CL1 DSORG	34300000
00004C				9142+DA08ALN	DS CL8 ATTR-LIST-NAME	C99236 34350001
				9143+*	*/	35000000
		00054		9144 DAP08LEN	EQU *-DAPB08 Length of DAP08 LEN=54	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				9146	IKJDAP18	Operation block FREE Dataset
000000				9147+DAPB18	DSECT	04000001
				9148+*****		05000001
				9149+*	THIS OPERATION CAUSES THE REQUESTED DATA SET OR DDNAME TO BE	* 06000001
				9150+*	UNALLOCATED. DISPOSITION CAN BE SPECIFIED TO OVERRIDE ANY PREVIOUS	* 07000001
				9151+*	DISPOSITION. LIKewise SYSOUT CLASS MAY BE SPECIFIED TO OVERRIDE ANY	* 08000002
				9152+*	PREVIOUS CLASS.	* 09000001
				9153+*****		10000001
000000				9154+DA18CD	DS CL2 DAIR ENTRY CODE	11000001
000002				9155+DA18FLG	DS X FUNCTIONS TO BE PERFORMED WHEN RET CODE IS 0	12000001
		00080		9156+DA18FPE	EQU X'80' FUNCT PERFORMED BUT ERROR INDICATED BY RETCD	13000001
000003				9157+	DS X	14000001
000004				9158+DA18DARC	DS H DYNAMIC ALLOCATION RETURN CODE	15000002
000006				9159+DA18CTRC	DS H CATALOG RETURN CODE AREA	16000002
000008				9160+DA18PDSN	DS A POINTER TO DSNAME TO BE SEARCHED IN DSE	17000001
00000C				9161+DA18DDN	DS CL8 DDNAME TO BE SEARCHED IN DSE	18000001
000014				9162+DA18MNM	DS CL8 MEMBER NAME	19000001
00001C				9163+DA18SCLS	DS CL2 SYSOUT CLASS DESIRED WHEN UNALLOCATING A	20000001
				9164+*	SYSOUT DATA SET	21000001
00001E				9165+DA18DPS2	DS X DATA SET DISPOSITION	22000001
		00008		9166+DA18KEEP	EQU X'08' CHANGE DISP TO KEEP	23000001
		00004		9167+DA18DEL	EQU X'04' CHANGE DISP TO DELETE	24000001
		00002		9168+DA18CAT	EQU X'02' CHANGE DISP TO CATALOG	25000001
		00001		9169+DA18UCAT	EQU X'01' CHANGE DISP TO UNCATLOG	26000001
00001F				9170+DA18CTL	DS X FLAGS FOR SPECIAL DAIR PROCESSING	27000001
		00020		9171+DA18UID	EQU X'20' USER ID IS TO BE PREFIXED TO DSNAME	28000001
		00010		9172+DA18PERM	EQU X'10' UNALLOCATE PERM. ALLOCATED DSE'S	M0765 29000002
000020				9173+DA18JBNM	DS CL8 IGNORED AS OF OS VS/2 RELEASE 2	Y02670 30000002
				9174+*	*/	31000001
		00028		9175 DAP18LEN	EQU *-DAPB18 Length of DAP18 LEN=28	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				9177 *	*/*****	LB1010h
				9178 *	/* ISPF Statistics - directory user area */	LB1010h
				9179 *	*/*****	LB1010h
000000				9180	DIRENTUA DSECT Map of directory entry (ISPF stats)	LB1010h
000000				9181	UAMMEM DS CL8 CHAR Member Name	LB1010h
000008				9182	UAMTTR DS XL3 .. See SYS1.MODGEN(IHAPDS)	LB1010h
00000B				9183	UAMC DS X Last 5 bits have number of	LB1010h
				9184 *	halfwords of user data which	LB1010h
				9185 *		LB1010h
00000C				9186	UAMSPF DS 0XL30 .. SPF statistics (30 bytes)	LB1010h
00000C				9187	UAMVLVL DS X Byte 01 Version Number x'01'-'99'	LB1010h
00000D				9188	UAMMLVL DS X Byte 02 Modification x'00'-'99'	LB1010h
00000E				9189	UAMRES1 DS X Byte 03 Reserved	LB1010h
				9190 *	Bit 1 ON member last edited by	LB1010h
				9191 *	SCLM	LB1010h
				9192 *	Bit 1 OFF member processed outside	LB1010h
				9193 *	of SCLM	LB1010h
				9194 *	Bit 2 Reserved	LB1010h
				9195 *	Bit 3 Indicates ISPF extended	LB1010h
				9196 *	statistics exist	LB1010h
				9197 *	Bit 4-7 reserved for future ISPF	LB1010h
				9198 *	Bit 8 Reserved	LB1010h
00000F				9199	UAMCHGSS DS X BYTE 04 Seconds portion of time last	LB1010h
				9200 *	modified, packed decimal SS	LB1010h
000010				9201	UAMCREDT DS PL4 BYTE 5-8 Creation Date	LB1010h
				9202 *	byte 5 Century x'00'=1900,	LB1010h
				9203 *	x'01'=2000, etc	LB1010h
				9204 *	byte 6-8 Julian Date,	LB1010h
				9205 *	packed decimal	LB1010h
000014				9206	UAMCHGDT DS PL4 BYTE 9-12 Date Last Modified	LB1010h
				9207 *	byte 9 Century x'00'=1900,	LB1010h
				9208 *	x'01'=2000, etc	LB1010h
				9209 *	byte 10-12 Julian Date,	LB1010h
				9210 *	packed decimal	LB1010h
000018				9211	UAMCHGTM DS XL2 BYTE 13-14 Time Last Modified	LB1010h
				9212 *	byte 13 Hours, packed decimal	LB1010h
				9213 *	byte 14 Minutes, packed decimal	LB1010h
00001A				9214	UAMCURR DS H BYTE 15-16 Current Number of Lines	LB1010h
				9215 *	hexadecimal format	LB1010h
00001C				9216	UAMINIT DS H BYTE 17-18 Initial Number of Lines	LB1010h
				9217 *	hexadecimal format	LB1010h
00001E				9218	UAMMOD DS H BYTE 19-20 Number of Modified Lines	LB1010h
				9219 *	hexadecimal format	LB1010h
000020				9220	UAMUID DS CL7 BYTE 21-27 UserID, character format	LB1010h
				9221 *		LB1010h
000027				9222	DS CL3 BYTE 28-30 Blanks	LB1010h
				9223 *		
				9224	PRINT NOGEN	
				9225 *		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				9227 *	/* *****/	
				9228 *	/* Working Storage DSECT */	
				9229 *	/* *****/	
000000				9230 WSDSECT	DSECT	
		00000		9231 WSAREA	EQU *	
				9232 *	/* *****/	
				9233 *	/* *****/	
				9234 *	/* mySAVEARA */	
000000				9235 *	/* *****/	
				9236 SAVEAREA DS	18F my Savearea	
				9237 *	+00 A(savearea of current CSECT)	
				9238 *	+04 A(savearea of calling CSECT)	
				9239 *	+08 A(savearea of called CSECT)	
				9240 *	+12 R14	
				9241 *	+16 R15	
				9242 *	+20 R0	
				9243 *	+24 R1	
				9244 *	+28 R2	
				9245 *	+32 R3	
				9246 *	+36 R4	
				9247 *	+40 R5	
				9248 *	+44 R6	
				9249 *	+48 R7	
				9250 *	+52 R8	
				9251 *	+56 R9	
				9252 *	+60 R10	
				9253 *	+64 R11	
				9254 *	+68 R12	
				9255 *	/* *****/	
				9256 *	/* *****/	
				9257 *	/* IKJCT441 Parm Address List */	
				9258 *	/* *****/	
000048				9259 IKJCT441 DS	F Entry point for IKJCT441	LB1010i
00004C				9260 CT441LST DS	0F	
00004C				9261 CT441P1 DS	A Entry Code	
000050				9262 CT441P2 DS	A VAR NAME POINTER	
000054				9263 CT441P3 DS	A VAR NAME LENGTH	
000058				9264 CT441P4 DS	A VAR VALUE POINTER	
00005C				9265 CT441P5 DS	A VAR VALUE LENGTH	
000060				9266 CT441P6 DS	A Token	
				9267 *	/* *****/	
				9268 *	/* *****/	
				9269 *	/* IKJCT441 Parm Variables */	
				9270 *	/* *****/	
000064				9271 NAMP1 DS	A VAR NAME POINTER	
000068				9272 NAML1 DS	A VAR NAME LENGTH	
00006C				9273 VALP1 DS	A VAR VALUE POINTER	
000070				9274 VALL1 DS	A VAR VALUE LENGTH	
				9275 *		LB1010h

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
				9277	*	*/*****	LB1010h
				9278	*	/* ISPF Parm Variables */	LB1010h
				9279	*	*/*****	LB1010h
000074				9280	ISPLINK	DS F Entry point for ISPLINK	LB1010i
000078				9281	ISPFP1	DS A ISPLINK Parm 1	LB1010h
00007C				9282	ISPFP2	DS A ISPLINK Parm 2	LB1010h
000080				9283	ISPFP3	DS A ISPLINK Parm 3	LB1010h
000084				9284	ISPFP4	DS A ISPLINK Parm 4	LB1010h
000088				9285	ISPFP5	DS A ISPLINK Parm 5	LB1010h
				9286	*		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
				9288	*	/* *****/	
				9289	*	/* Symbolic Variable Data Area */	
				9290	*	/* *****/	
00008C				9291	DDSNL	DS 0F,H	Dataset Name Length (must be here LB1010e
				9292	*		before Dataset Name DDSN) LB1010e
		00008E		9293	DSYMS	EQU *	
				9294	*		
00008E				9295	DDSN	DS CL44	Dataset Name
0000BA				9296	DJMSG	DS CL100	MY MESSAGE VARIABLE
00011E				9297	DRSNCODE	DS CL2	Reason Code
000120				9298	DMSG1	DS CL40	Message Level 1
000148				9299	DMSG2	DS CL40	Message Level 2
000170				9300	DVOLSER	DS CL6	Volume Serial Number
000176				9301	DLRECL	DS CL5	LRECL
00017B				9302	DBLKSZ	DS CL5	BLKSIZE
000180				9303	DDSORG	DS CL3	Dataset Organization
000183				9304	DRECFM	DS CL5	Record Format e.g. FBA
000188				9305	DCREDT	DS CL8	CCYY/JJJ Create Date
000190				9306	DCREDJ	DS CL5	YYJJJ Create Date
000195				9307	DCREDC	DS CL10	MM/DD/CCYY Create Date
00019F				9308	DEXPDT	DS CL8	CCYY/JJJ Expire Date
0001A7				9309	DEXPDJ	DS CL5	YYJJJ Expire Date
0001AC				9310	DEXPDC	DS CL10	MM/DD/CCYY Expire Date
0001B6				9311	DREFDT	DS CL8	CCYY/JJJ Last Reference Date
0001BE				9312	DREFDJ	DS CL5	YYJJJ Last Reference Date
0001C3				9313	DREFDC	DS CL10	MM/DD/CCYY Last Reference Date
0001CD				9314	DKEYL	DS CL3	Keylength
0001D0				9315	DRKP	DS CL5	Relative Key Position
0001D5				9316	DPASSWD	DS CL5	Password Protection
0001DA				9317	DRACF	DS CL4	RACF
0001DE				9318	DDEVICE	DS CL15	Device
0001ED				9319	DSSPC	DS CL8	Secondary Space Request Type LB1010c
0001F5				9320	DSSPCNM	DS CL7	Secondary Space Amount
0001FC				9321	DUNIT	DS CL7	Device Unit
000203				9322	DEXTS	DS CL3	Number of Extents
000206				9323	DNUMVOL	DS CL3	Number of Volumes
000209				9324	DTRKSAL	DS CL5	Total Tracks Allocated
00020E				9325	DTRKSUS	DS CL5	Total Tracks Used
000213				9326	DTRKSUUS	DS CL5	Total Tracks Unused
000218				9327	DTRKSCYL	DS CL5	Tracks/Cylinder
00021D				9328	DTRKLEN	DS CL5	Track Length
000222				9329	DBLKTRK	DS CL5	Blocks per Track
000227				9330	DCYL4VOL	DS CL5	Cylinders for Volume
00022C				9331	DUNITCAP	DS CL15	Capacity for Volume
00023B				9332	DBLKS	DS CL5	PDS Directory Blocks
000240				9333	DDIRBKSU	DS CL5	PDS Directory Blocks Used
000245				9334	DDIRBKSN	DS CL5	PDS Directory Blocks Unused
00024A				9335	DMEMBERS	DS CL5	PDS Total Members
00024F				9336	DALIASES	DS CL5	PDS Alias Members
000254				9337	DDSCAT	DS CL1	Dataset catalog indication Y/N
000255				9338	DDSCATV	DS CL6	Dataset catalog volume
00025B				9339	DPSPCAL	DS CL5	Primary Space allocation
000260				9340	DPSPCUS	DS CL5	Primary Space allocation used
000265				9341	DVOLLST	DS CL35	Up to 5 volumes for multivol DSN
		000005		9342	DVOLLST#	EQU L'DVOLLST/7	7 bytes for each volume

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
000288					9343	DALLOC	DS CL5	Total Allocation in space units LB1010d
					9344	*		
			001FF		9345	DSYMSL	EQU *-DSYMS	Length of DSYMS area
					9346	*		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				9348 *	*/*****	
				9349 *	/* Date Conversion Variables */	
				9350 *	*/*****	
00028D				9351 DC#YR	DS PL4 CCYY Packed workarea	
000292				9352 DC#HJJJ	DS H JJJ halfword workarea	
000294				9353 DC#JJJ	DS CL3 JJJ Julian Date 001-366	
000297				9354 DC#YYJJJ	DS XL3 YY0JJJ workarea binary	LB1010h
				9355 *		LB1001b
00029A				9356 DC#MDCY	DS CL11	LB1001b
0002A5		0029A		9357	ORG DC#MDCY Redefine 11 byte area	LB1001b
00029A				9358 DC#MM	DS CL3 0MM Month 01-12	
00029D				9359 DC#DD	DS CL3 0DD Date 01-31	
0002A0				9360 DC#CCYY	DS CL5 0CCYY Century and Year	
				9361 *		LB1001b
0002A5				9362 DATESEP	DS CL1 Date Separator value	LB1001a
0002A6				9363 DATEFMT	DS CL1 Date Format value	LB1001b
0002A7				9364 DATEWA	DS CL15 Date Workarea	LB1001b
				9365 *		LB1010h

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				9367 *	*/*****	LB1010h
				9368 *	/* ISPF Statistics Workareas */	LB1010h
				9369 *	*/*****	LB1010h
0002B6				9370 TBN	DS CL8 TBL Name (DIRLSTxx)	LB1010h
0002BE				9371 IVLVL	DS CL3 ISPF Version Level NN	LB1010h
0002C1				9372 IMLVL	DS CL3 ISPF Modification Level NN	LB1010h
0002C4				9373 ICREDT	DS CL7 ISPF Create Date YYYYJJJ	LB1010h
0002CB				9374 ICHGDT	DS CL7 ISPF Change Date YYYYJJJ	LB1010h
0002D2				9375 ICHGTM	DS CL5 ISPF Change Time HHMM	LB1010h
				9376 *		LB1010h
				9377 *	*/*****	LB1010h
				9378 *	/* ISPF Table column fields DIRLSTn */	LB1010h
				9379 *	*/*****	LB1010h
		002D7		9380 ISTATS	EQU * PDS Member Name	LB1010h
0002D7				9381 IMEMBR	DS CL8 PDS TTR	LB1010h
0002DF				9382 ITTRP	DS CL6 VV.MM format	LB1010h
0002E5				9383 IVVMM	DS CL5 Create Date mm-dd-yy	LB1010h
0002EA				9384 ICDTE	DS CL8 Modify Date mm-dd-yy	LB1010h
0002F2				9385 IMDTE	DS CL8 Modify Time hh:mm:ss	LB1010h
0002FA				9386 IMTIM	DS CL5 ISPF Currrent Rcd Count	LB1010h
000302				9387 IRCUR	DS CL5 ISPF Initial Rcd Count	LB1010h
000307				9388 IRINT	DS CL5 ISPF Records Modified	LB1010h
00030C				9389 IRMOD	DS CL5 ISPF USERID	LB1010h
000311				9390 IUSRID	DS CL7 Length of STATS	LB1010h
		00041		9391 ISTATSL	EQU *-ISTATS	LB1010h
				9392 *		
				9393 *	*/*****	
				9394 *	/* Misc Variables */	
				9395 *	*/*****	
000318				9396 SAVER15	DS F R15 Hold	
00031C				9397 SAVER5	DS F R5 Hold	LB1010h
000320				9398 SAVER3	DS F R3 Hold	LB1010h
000324				9399 SAVER6	DS F R6 Hold	LB1010h
000328				9400 SAVER8	DS F R8 Hold	LB1010h
000330				9401 DW	DS D Double Word area	
000338				9402 FW	DS F Full Word area	
00033C				9403 RCEXIT	DS F Exit RC	
000340				9404 TRKSCYL	DS F Tracks/Cylinder	
000344				9405 TRKLEN	DS F Track Length	
000348				9406 TRKSTOTA	DS F Track Allocated TOTAL	
00034C				9407 TTRKUSED	DS F Track Used TOTAL	
000350				9408 CYL4VOL	DS F Cylinders for Volume	
000354				9409 CYLSTOTA	DS F CYLs Allocated TOTAL	
000358				9410 BLKSTOTA	DS F BLKs Allocated TOTAL	
00035C				9411 BLKSPTRK	DS F BLKs per track	
000360				9412 DMSG1L	DS F Length or MSG1L	
000364				9413 DMSG1L	DS F Length or MSG1L	
000368				9414 CD	DS CL2 Code for searching tables	
00036A				9415 RC	DS CL2 Return Code	
00036C				9416 SNN	DS PL2 Short symbolic seq no	
00036E				9417 SNNC	DS CL3 Short symbolic name Snn	
000371				9418 SNNUPK	DS CL3 Short symbolic unpacked seq no	
				9419 *		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 23.53 10/02/19
				9421 *	*/*****/	
				9422 *	/* PARM input scan Variables */	
				9423 *	*/*****/	
000374				9424 PDSNL	DS 0F,H Dataset Name Length	
000376				9425 PDSN	DS CL44 Dataset Name from PARM input	
0003A2				9426 PVOLSER	DS CL6 VOLSER from PARM input	
0003A8				9427 PVOL	DS C VOL keyword switch	
0003A9				9428 PDIR	DS C DIR keyword switch	
0003AA				9429 PPNL	DS C PNL keyword switch	
0003AB				9430 PABOUT	DS C ABOUT keyword switch	
0003AC				9431 PFILE	DS C FILE keyword switch	LB1010g
0003AD				9432 PDL	DS C DLx keyword number	LB1010h
				9433 *		LB1010e
0003AE				9434 IDPREFIX	DS C Prefix UserID Y=yes, N-no	LB1010e
0003B0				9435 MYIDL	DS H Prefix UserID Length	LB1010e
0003B2				9436 MYID	DS CL8 Prefix UserID	LB1010e
				9437 *		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
				9439	*	*/*****	
				9440	*	/* CAMLIST Workareas	
				9441	*	*/*****	
0003BA				9442	OBTVOL	DS CL6	VOLSER
0003C0				9444	CAMDSN	DS CL44	Dataset name
0003EC				9446	CAMLIST	DS 4F	CAM Access List
000400				9448	LOCATEA	DS 0D	Locate Area
000400				9449		DS 265C	Declare space for catalog rcd
000510				9450		DS 0D	
000510		00400		9452		ORG LOCATEA	REDEFINE catalog rcd
000400				9453	LOCA#VOL	DS H	Number of volumes
		00402		9454	LOCAVENT	EQU *	Volume List Entry
000402				9455	LOCADEVT	DS 0CL4	Device type see UCBTYP field
000402				9456		DS CL1	I/O supervisor flags
000403				9457		DS CL1	Optional features
000404				9458	LOCADEV	DS CL1	Device class
000405				9459	LOCAUNTY	DS CL1	Unit Type
000406				9460	LOCAVSR	DS CL6	Device serial number
00040C				9461	LOCAVS#	DS CL2	Device sequence number
		0000C		9462	LOCAVLLN	EQU *-LOCAVENT	Length of Volume List Entry
00040E		00402		9464		ORG LOCAVENT	
000402				9465	LOCAVLST	DS 20CL12	Volume list (20 max) 240 bytes
0004F2				9466		DS CL23	
000510				9467		DS 0D	
000510				9469	OBTAINA	DS 0D	
000510				9470		DS 4CL140	Declare space for 4 DSCBs
000740				9471		DS 0D	
000740		004E4		9473		ORG OBTAINA-44	Start DSCBs after 44 byte DSN

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					9475		IECSDSL1 1			DSCB	F1

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					9558		IECSDSL1 2				
							DSCB F2				

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					9612		IECSDSL1 3				
							DSCB F3				

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	23.53	10/02/19
					9626		IECSDSL1 4				
							DSCB F4				


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0006E8
0006EC
0006F0
000708
```

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
				9679	*	*/*****	
				9680	*	/* PDS DIR Workareas	
				9681	*	*/*****	
000760				9682	BLOCK	DS 0D,256C	PDS Block area
000860				9683	DDNAME	DS CL8	DDN assigned by Dynamic Alloc
000868				9685	DIRSW	DS C	Read PDS Block or process switch
00086C				9686	PODBLKS	DS F	# of dir blocks used
000870				9687	PODBLKSU	DS F	# of dir blocks unused
000874				9688	POMEMS	DS F	PDS member count
000878				9689	POALIS	DS F	PDS alias count
00087C				9690	ALLOCP0	DS CL1	PDS Allocated Flag LB1010h
000880				9692	DIRDCBW	DS 0F,(DIRDCBL)X	PDS DIR DCB work area
0008D8				9693	DIRDECBW	DS 0F,(DIRDECBL)X	PDS
0008EC				9695	PARMVL1	DS F	Null Parm
				9696	*		
0008F0				9697		DS 0F,(40)X	
		00918		9698	WSAREAE	EQU *	Working Storage END
		00918		9699	WSAREAL	EQU WSAREAE-WSAREA	Working Storage Area Length

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 23.53 10/02/19
000000					9701	END	LISTDSJ	

ASM 0201 23.53 10/02/19

POS.ID	REL.ID	FLAGS	ADDRESS
0001	0001	0C	001844
0001	0001	0C	00184C
0001	0001	0C	00236C
0001	0001	0C	00237C
0001	0001	0C	00238C
0001	0001	0C	00239C
0001	0001	0C	0023AC
0001	0001	0C	0023BC
0001	0001	0C	0023CC
0001	0001	0C	0023DC
0001	0001	0C	0023EC
0001	0001	0C	0023FC
0001	0001	0C	00240C
0001	0001	0C	00241C
0001	0001	0C	00242C
0001	0001	0C	00243C
0001	0001	0C	00244C
0001	0001	0C	00245C
0001	0001	0C	00246C
0001	0001	0C	00247C
0001	0001	0C	00248C
0001	0001	0C	00249C
0001	0001	0C	0024AC
0001	0001	0C	0024BC
0001	0001	0C	0024CC
0001	0001	0C	0024DC
0001	0001	0C	0024EC
0001	0001	0C	0024FC
0001	0001	0C	00250C
0001	0001	0C	00251C
0001	0001	0C	00252C
0001	0001	0C	00253C
0001	0001	0C	00254C
0001	0001	0C	00255C
0001	0001	0C	00256C
0001	0001	0C	00257C
0001	0001	0C	00258C
0001	0001	0C	00259C
0001	0001	0C	0025AC
0001	0001	0C	0025BC
0001	0001	0C	0025CC
0001	0001	0C	0025DC
0001	0001	0C	0025EC
0001	0001	0C	0025FC
0001	0001	0C	00260C
0001	0001	0C	00261C
0001	0001	0C	00262C
0001	0001	0C	00263C
0001	0001	0C	00264C
0001	0001	08	002C2D
0001	0001	0C	002C44

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 23.53 10/02/19														
ABOUT#XT	00001	000005B0	01418	01399															
ADDTB	00001	00001CE4	03797	02768															
ADDTBX	00001	00001D18	03814	03811															
ADDTBZZ	00001	000012BE	02767	02671															
ALLOCP0	00001	0000087C	09690	00985	02895	03308													
ASCB	00001	00000000	07688	00881	07904														
ASCBTSB	00004	0000003C	07742	00881															
BLK#B	00001	00000B56	02060	02058															
BLKSPTRK	00004	0000035C	09411	01765	02191	02197													
BLKTRKC	00001	000008F8	01761	01755															
BLKXT	00001	00000B5E	02063	02059	02062														
BLOCK	00008	00000760	09682	02584	02606														
BUMPCNT	00001	000001E4	01025	01020	01023														
BUMPPRM	00001	000001D8	01021	01015															
CALCDSNL	00001	00000548	01378	01383															
CALCEXIT	00001	0000055C	01384	01380															
CAMDSN	00044	000003C0	09444	01388	01434	01464	01562	01583	01669	01670	01670	01670	01675						
CAMLIST	00004	000003EC	09446	01432	01433	01435	01437	01439	01442	01560	01561	01563	01565	01567	01570	01597	01598	01599	
				01601	01603	01605	01608	01633	01634	01635	01640	01642	01644	01647	01673	01674	01676	01678	
				01680	01683														
CAMRCERR	00001	0000150E	03034	01581	01619	01658	01694												
CAMR04	00001	0000153C	03046	03036															
CAMR08	00001	00001552	03051	03038															
CAMR12	00001	00001568	03056	03040															
CD	00002	00000368	09414	03387	03393	03398													
CDC1	00001	000018FE	03421	03408	03419														
CDFOUND	00001	000018D8	03409	03399															
CDNOFIND	00001	000018CA	03405	03397															
CHAR	00008	00002B38	04432	03575															
CHKCD	00001	000018AA	03395	03388	03394	03404													
CHKDDNL	00001	000004E0	01339	01261															
CHKME	00001	00001996	03476	03487															
CHKVOLSX	00001	000006EC	01538	01527															
CH2C	00001	00001122	02655	02667															
CLOSETB	00001	00001D50	03847	02884															
CLOSETBX	00001	00001D84	03864	03861															
CONTZ	00001	000014D6	02984	02980															
CPPL	00001	00000000	09009	01272	03284	09015													
CPPLECT	00004	0000000C	09013	03286															
CPPLIN	00001	00000134	00939	00931															
CPPLPSCB	00004	00000008	09012	03289															
CPPLUPT	00004	00000004	09011	01273	03285														
CREATETB	00001	00001C9E	03767	02478															
CREATETX	00001	00001CE2	03789	03786															
CREDTXT	00001	00000D6E	02281	02272															
CTL#A	00001	00000B92	02096	02092															
CTL#M	00001	00000B9A	02099	02094															
CTLCHRXT	00001	00000BA2	02102	02095	02098	02101													
CT441LST	00004	0000004C	09260	03511															
CT441P1	00004	0000004C	09261	00860															
CT441P2	00004	00000050	09262	00862															
CT441P3	00004	00000054	09263	00864															
CT441P4	00004	00000058	09264	00866															
CT441P5	00004	0000005C	09265	00868															
CT441P6	00004	00000060	09266	00870	00871														

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 23.53 10/02/19
CVT	00001	00000000	05119	01344 02353	
CVTBRET	00002	00000052	05177	05744	
CVTILK2	00004	00000028	05157	02354	
CVTPTR	00001	00000010	05115	01343 02352	
CVTTCBP	00004	00000000	05122	01345	
CVTXTNT1	00001	00000000	05927	05354	
CVTXTNT2	00001	00000000	05936	05425	
CVT4MS1	00001	00000010	05196	05203	
CVT6DAT	00001	00000002	05199	05203	
CYLSTOTA	00004	00000354	09409	01841 02151	
CYL4VOL	00004	00000350	09408	01704 01739	
DAIR	00001	0000183E	03336	03303 03327	
DALIASES	00005	0000024F	09336	02866 02867 04218 04218	
DALLOC	00005	00000288	09343	02203 04270 04270	
DAPB08	00001	00000000	09095	03296 09144	
DAPB18	00001	00000000	09147	03323 09175	
DAPL	00001	00000000	09084	03282 09092	
DAPLDAPB	00004	00000010	09090	03291	
DAPLECB	00004	00000008	09088	03288	
DAPLECT	00004	00000004	09087	03286	
DAPLLEN	00001	00000014	09092	09672	
DAPLPSCB	00004	0000000C	09089	03289	
DAPLUPT	00004	00000000	09086	03285	
DAP08LEN	00001	00000054	09144	09673	
DATECCNT	00001	00001928	03443	03440	
DATECONV	00001	00001904	03432	02274 02301 02328 02708 02730	
DATECY2	00001	00001924	03441	03437	
DATEFMT	00001	000002A6	09363	00998 01243 03217 03223 03237	
DATESEP	00001	000002A5	09362	00992 01217 01220 01223 02266 02293 02320 03220 03221 03234 03235	
DATEWA	00015	000002A7	09364	02270 02280 02297 02307 02324 02334 02710 02732 03220 03221 03222 03226 03227 03230 03231	
				03234 03235 03236 03240 03241 03244 03245	
DAYSTBLJ	00002	00002184	04111	03475	
DA08DDN	00008	0000000C	09107	03307	
DA08DSP1	00001	00000044	09116	03302	
DA08PDSN	00004	00000008	09106	03299	
DA08SER	00008	0000001C	09109	03301	
DA08SHR	00001	00000008	09117	03302	
DA08UNIT	00008	00000014	09108	03300	
DA18DDN	00008	0000000C	09161	03325	
DBLKSZ	00005	0000017B	09302	01912 01913 04200 04200	
DBLKTRK	00005	00000222	09329	01763 01764 04250 04250	
DC#CCYY	00005	000002A0	09360	02275 02277 02302 02304 02329 02331 03222 03236 03448 03449 03464	
DC#DD	00003	0000029D	09359	03227 03230 03241 03244 03500 03501	
DC#HJJJ	00002	00000292	09352	02704 02705 02726 02727 03460 03483 03497	
DC#JJJ	00003	00000294	09353	02276 02278 02303 02305 02330 02332 03454 03455	
DC#MDCY	00011	0000029A	09356	02268 02295 02322 09357	
DC#MM	00003	0000029A	09358	03226 03231 03240 03245 03495 03496	
DC#YR	00004	0000028D	09351	03464 03465 03466 03468 03469	
DC#YYJJJ	00003	00000297	09354	02699 02705 02706 02721 02727 02728	
DCREDC	00010	00000195	09307	02270 02280 04252 04252	
DCREDJ	00005	00000190	09306	02267 02277 02278 04240 04240	
DCREDT	00008	00000188	09305	02265 02266 02275 02276 04188 04188	
DCYL4VOL	00005	00000227	09330	01706 01707 04236 04236	
DDBLKS	00005	0000023B	09332	02840 02841 04210 04210	
DDIRBKS	00005	00000245	09334	02853 02854 04214 04214	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 23.53 10/02/19														
DDIRBKSU	000005	00000240	09333	02846 02847 04212 04212															
DDNAM	000001	00000028	04589	02549															
DDNAME	000008	00000860	09683	02549 03307 03325															
DDSCAT	000001	00000254	09337	01447 01462 02348 02382 04260 04260															
DDSCATV	000006	00000255	09338	01463 04262 04262															
DDSN	00044	0000008E	09295	01259 01282 01283 01283 01283 01285 01359 01371 01377 01388 01464 01583 04177 04177															
DDSNL	000004	0000008C	09291	01258 01310 01316 01340 01385 03298															
DDSORG	000003	00000180	09303	01990 01994 02448 04194 04194															
DEVFND	000001	00000EBA	02406	02387 02391															
DEVTPXT	000001	00000F44	02434	02363 02405 02408															
DEXPDC	000010	000001AC	09310	02297 02307 04254 04254															
DEXPDJ	000005	000001A7	09309	02294 02304 02305 04242 04242															
DEXPDT	000008	0000019F	09308	02292 02293 02302 02303 04190 04190															
DEXTS	000003	00000203	09322	01955 01956 04228 04228															
DFMT	000001	00001722	03216	02269 02279 02296 02306 02323 02333 02709 02731															
DFMTXT	000001	0000179E	03247	03228 03232 03242 03246															
DFMT2	000001	00001754	03229	03224															
DFMT3	000001	00001764	03233	03218															
DFMT4	000001	0000178E	03243	03238															
DIRDCB	000004	00002C0C	04476	02548 04523															
DIRDCBL	000001	00000058	04523	02548 09692															
DIRDCBW	000004	00000880	09692	02547															
DIRDECB	000004	00002C64	04527	02574 04534															
DIRDECBL	000001	00000014	04534	02574 09693															
DIRDECBW	000004	000008D8	09693	02574 02581 02593															
DIRENTUA	000001	00000000	09180	02645															
DIRSW	000001	00000868	09685	02575 02597 02604 02779 02794															
DJMSG	00100	000000BA	09296	00909 00910 00910 00910 01413 01451 01453 01454 01455 01575 01577 01578 01579 01613 01615															
				01616 01617 01652 01654 01655 01656 01688 01690 01691 01692 01979 01980 01985 01986 02397															
				02398 02403 02404 02473 02484 02486 02487 02563 02565 02566 02793 02818 02820 02821 02890															
				02891 02905 02907 02908 02914 03066 03074 03082 03090 03098 03106 03114 03122 03130 03138															
				03146 03154 03162 03170 03178 03186 03257 03260 03261 03262 03263 03522 03524 03525 03536															
				03568 03585 03601 03617 03633 03649 03665 03681 03697 03713 03729 03743 03757 03770 03787															
				03800 03812 03825 03837 03850 03862 03875 03886 03898 03910 03922 03934 03946 03958 03970															
				03982 03994 03998 04180 04180															
DKEYL	000003	000001CD	09314	01927 01928 04202 04202															
DLRECL	000005	00000176	09301	01898 01899 04198 04198															
DMEMBERS	000005	0000024A	09335	02860 02861 04216 04216															
DMSGL1	00040	00000120	09298	02934 03406 03413 03420 04184 04184															
DMSGL1L	000004	00000360	09412	02932 02974 03422															
DMSGL2	00040	00000148	09299	02934 04186 04186															
DMSGL2L	000004	00000364	09413	02932 02977															
DNUMVOL	000003	00000206	09323	01477 01478 01555 04258 04258															
DONELOOP	000001	000019B8	03489	03485															
DOPDSN	000001	000004BA	01314	01307															
DOPERIOD	000001	0000048C	01298	01296															
DPASSWD	000005	000001D5	09316	02231 02234 02237 04206 04206															
DPSPCAL	000005	0000025B	09339	02153 02154 02168 02169 02183 02184 02193 02194 02203 04264 04264															
DPSPCUS	000005	00000260	09340	02160 02161 02173 02174 02199 02200 04266 04266															
DRACF	000004	000001DA	09317	02249 02252 04208 04208															
DRECFM	000005	00000183	09304	02020 02021 02021 02021 02035 02061 02073 02084 02097 02100 02113 02114 02124 04196 04196															
DREFDC	000010	000001C3	09313	02324 02334 04256 04256															
DREFDJ	000005	000001BE	09312	02321 02331 02332 04244 04244															
DREFDT	000008	000001B6	09311	02319 02320 02329 02330 04192 04192															
DRKP	000005	000001D0	09315	01941 01942 04204 04204															

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 23.53 10/02/19
DRSNCODE	00002	0000011E	09297	00902 01414 01456 01517 01529 01534 02488 02567 02822 02892 02909 03042 03047 03052 03057	
				03192 03197 03202 03393 04182 04182	
DSCBF1	00001	000006EC	01551	01449	
DSCBF1A	00001	00000706	01558	01553	
DSCBF2X	00001	000007BA	01620	01611	
DSCBF3	00001	000007BA	01629	01595	
DSCBF3X	00001	00000820	01659	01631 01650	
DSCBF4X	00001	00000878	01695	01686	
DSERR	00001	000006D6	01533	01515	
DSNFOUND	00001	0000061C	01461	01445	
DSO#FND	00001	00000ACE	01989	01975	
DSORGLP	00001	00000A84	01970	01977	
DSORGXT	00001	00000B06	02012	01987 01993 01995	
DSSPC	00008	000001ED	09319	02149 02164 02179 02188 04224 04224	
DSSPCNM	00007	000001F5	09320	02216 02217 04232 04232	
DSYMS	00001	0000008E	09293	00889 09345	
DSYMSL	00001	000001FF	09345	00890	
DS1BLKL	00002	0000053A	09518	01754 01759 01909	
DS1CREDT	00003	00000519	09482	02271 02273	
DS1DSIND	00001	00000541	09522	02226 02228 02246	
DS1DSORG	00002	00000536	09491	01594 01637 01853 01855 01971 01982 01992	
DS1EXPDT	00003	0000051C	09483	02298 02300	
DS1EXT1	00010	0000054D	09548	01781	
DS1IND01	00001	00000001	09542	09543	
DS1IND02	00001	00000002	09538	09541	
DS1KEYL	00001	0000053E	09520	01924	
DS1LRECL	00002	0000053C	09519	01895	
DS1LSTAR	00003	00000546	09545	01861 01862	
DS1NOEPV	00001	0000051F	09484	01630 01774 01792 01952	
DS1PTRDS	00005	0000056B	09555	01600 01636	
DS1RECFM	00001	00000538	09516	02024 02057 02069 02080 02091 02093	
DS1REFD	00003	0000052F	09489	02325 02327	
DS1RKP	00002	0000053F	09521	01938	
DS1SCALO	00004	00000542	09544	02138 02141 02144 02213	
DS2PTRDS	00005	000005F7	09609	01639	
DS3AEXT	00090	00000629	09622	01808	
DS3EXTNT	00040	00000600	09616	01797	
DS4DEVSZ	00004	0000069A	09644	01703 01714	
DS4DEVTK	00002	0000069E	09645	01725	
DTRKLEN	00005	0000021D	09328	01728 01729 04246 04246	
DTRKSAL	00005	00000209	09324	01832 01833 04230 04230	
DTRKSCYL	00005	00000218	09327	01717 01718 04238 04238	
DTRKSUS	00005	0000020E	09325	01873 01874 04226 04226	
DTRKSUUS	00005	00000213	09326	01883 01884 04234 04234	
DUNIT	00007	000001FC	09321	02407 04222 04222	
DUNITCAP	00015	0000022C	09331	01744 01745 04248 04248	
DVCLST\$	00001	00000EC4	02415	02380 02416 02432	
DVCLST\$E	00001	00000010	02432	02379	
DVCLST\$L	00001	00000008	02416	02393 02432	
DVOLLST	00035	00000265	09341	01488 01489 01489 01489 01490 04268 04268 09342	
DVOLLST#	00001	00000005	09342	01492	
DVOLSER	00006	00000170	09300	01522 01523 01557 01584 02368 03301 03301 04220 04220	
DW	00008	00000330	09401	01347 01348 01400 01412 01452 01453 01476 01477 01576 01577 01614 01615 01653 01654 01689	
				01690 01705 01706 01716 01717 01727 01728 01743 01744 01762 01763 01831 01832 01872 01873	
				01882 01883 01897 01898 01911 01912 01926 01927 01940 01941 01954 01955 01984 01985 02111	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM	0201	23.53	10/02/19
				02112 02112 02112 02115 02124 02152 02153 02159 02160 02167 02168 02172 02173 02182 02183				
				02192 02193 02198 02199 02215 02216 02402 02403 02485 02486 02564 02565 02677 02678 02683				
				02684 02692 02692 02693 02694 02696 02697 02698 02701 02701 02702 02703 02714 02714 02715				
				02716 02718 02719 02720 02723 02723 02724 02725 02735 02736 02737 02742 02743 02744 02749				
				02750 02755 02756 02761 02762 02819 02820 02839 02840 02845 02846 02852 02853 02859 02860				
				02865 02866 02889 02890 02906 02907 03259 03260 03447 03448 03453 03454 03494 03495 03499				
				03500 03523 03524				
ECUPDT	00004	0000217C	04105	00859				
ENDME	00002	00001438	02925	01417 01459 01520 01532 01537 02491 02570 02825 02897 02912 03045 03050 03055 03060 03195	03200 03205			
ERASETB	00001	00001C60	03740	02477				
ERASETBX	00001	00001C9C	03759	03754 03756				
ERR4004	00001	0000157E	03063	00936				
ERR4005	00001	000015AC	03079	00928				
ERR4008	00001	000015D8	03095	00944				
ERR4009	00001	00001604	03111	00948				
ERR4010	00001	00001630	03127	00949				
ERR4097	00001	0000165C	03143	03345				
ERR4098	00001	00001688	03159	00851				
ERR4099	00001	000016B4	03175	00883				
EXPDTXT	00001	00000DC4	02308	02299				
EXTF1	00001	0000091E	01783	01788				
EXTF3	00001	00000942	01799	01804				
EXTF3B	00001	0000095E	01810	01815				
FLCEICOD	00002	00000086	04670	04671				
FLCENPSW	00004	00000058	04649	04651				
FLCEOPSW	00008	00000018	04632	04633				
FLCINPSW	00004	00000078	04662	04664				
FLCIOPSW	00008	00000038	04640	04641				
FLCIPPSW	00008	00000000	04623	04626				
FLCMNPSW	00004	00000070	04658	04661				
FLCMOPSW	00008	00000030	04638	04639				
FLCPICOD	00002	0000008E	04690	04691				
FLCPIILC	00001	0000008D	04684	04689				
FLCPNPSW	00004	00000068	04655	04657				
FLCPOPSW	00008	00000028	04636	04637				
FLCSNPSW	00004	00000060	04652	04654				
FLCSOPSW	00008	00000020	04634	04635				
FLCSVCN	00002	0000008A	04680	04681				
FLCSVILC	00001	00000089	04675	04679				
FLCTIMER	00004	00000050	04646	04647				
FW	00004	00000338	09402	01366 01366 01367 01368 01473 01473 01474 01475 01758 01758 01759 01760 01894 01894 01895	01896 01908 01908 01909 01910 01923 01923 01924 01925 01937 01937 01938 01939 01951 01951			
				01952 01953 01981 01981 01982 01983 02212 02212 02213 02214 02399 02399 02400 02401 03433	03433 03434 03435 03450 03450 03451 03452			
GETDEVTY	00001	00000E5C	02378	02349				
GOODDDN	00001	00000522	01365	01360				
HEXTAB	00008	00002B41	04434	02658 02663				
ICDTE	00008	000002EA	09384	02710 03623 04460				
ICDTEL	00004	00002BF0	04460	03625				
ICDTEN	00008	00002BA9	04447	03621 03633 03633 03914 03922 03922				
ICHGTM	00005	000002D2	09375	02737 02738 02740 02744 02745				
IDPREFIX	00001	000003AE	09434	01010 01022 01024 01263				
IECSDSF2	00001	00000570	09560	01604				
IECSDSF3	00001	000005FC	09614	01643				

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 23.53 10/02/19															
IECSDSF4	00001	00000688	09628	01679																
IECSDSL1	00001	000004E4	09476	09477																
IECSDSL2	00001	00000570	09559	09560																
IECSDSL3	00001	000005FC	09613	09614																
IECSDSL4	00001	00000688	09627	09628																
IKJCT441	00004	00000048	09259	00852	03514															
IMDTE	00008	000002F2	09385	02732	03639	04461														
IMDTEL	00004	00002BF4	04461	03641																
IMDTEN	00008	00002BB1	04448	03637	03649	03649	03926	03934	03934											
IMEMBR	00008	000002D7	09381	02647	02648	02648	02650	03573	04457											
IMEMBR1	00004	00002BE4	04457	03577																
IMEMBRN	00008	00002B91	04444	03571	03585	03585	03878	03886	03886											
IMLVL	00003	000002C1	09372	02684	02685	02689														
IMTIM	00008	000002FA	09386	02738	02739	02740	02741	02745	03719	04462										
IMTIML	00004	00002BF8	04462	03721																
IMTIMN	00008	00002BB9	04449	03717	03729	03729	03986	03994	03994											
INITSYMA	00001	000000E0	00891	00894																
INPB08	00008	00002A70	04373	03297	04396															
INPB08L	00001	00000054	04396	03297																
INPB18	00008	00002AC8	04402	03324	04416															
INPB18L	00001	00000028	04416	03324																
IOPL	00001	00000000	09064	09076																
IRCUR	00005	00000302	09387	02750	02751	03671	04463													
IRCURL	00004	00002BFC	04463	03673																
IRCURN	00008	00002BC1	04450	03669	03681	03681	03950	03958	03958											
IRINT	00005	00000307	09388	02756	02757	03655	04464													
IRINTL	00004	00002C00	04464	03657																
IRINTN	00008	00002BC9	04451	03653	03665	03665	03938	03946	03946											
IRMOD	00005	0000030C	09389	02762	02763	03687	04465													
IRMODL	00004	00002C04	04465	03689																
IRMODN	00008	00002BD1	04452	03685	03697	03697	03962	03970	03970											
ISPFERR	00001	000013D2	02888	03586	03602	03618	03634	03650	03666	03682	03698	03714	03730	03758	03788	03813	03838	03863		
				03887	03899	03911	03923	03935	03947	03959	03971	03983	03995							
ISFPF1	00004	00000078	09281	03570	03580	03596	03612	03628	03644	03660	03676	03692	03708	03724	03746	03750	03774	03782		
				03803	03807	03828	03832	03853	03857	03877	03881	03893	03905	03917	03929	03941	03953	03965		
				03977	03989															
ISFPF2	00004	0000007C	09282	03572	03590	03606	03622	03638	03654	03670	03686	03702	03718	03748	03749	03776	03805	03806		
				03830	03831	03855	03856	03879	03880	03891	03892	03903	03904	03915	03916	03927	03928	03939		
				03940	03951	03952	03963	03964	03975	03976	03987	03988								
ISFPF3	00004	00000080	09283	03574	03592	03608	03624	03640	03656	03672	03688	03704	03720	03778						
ISFPF4	00004	00000084	09284	03576	03780	03781														
ISFPF5	00004	00000088	09285	03578	03579	03594	03595	03610	03611	03626	03627	03642	03643	03658	03659	03674	03675	03690		
				03691	03706	03707	03722	03723												
ISPFSTS	00001	0000115A	02674	02670																
ISPLINK	00004	00000074	09280	02458	02458	02469	03581	03597	03613	03629	03645	03661	03677	03693	03709	03725	03751	03783		
				03808	03833	03858	03882	03894	03906	03918	03930	03942	03954	03966	03978	03990				
ISTATS	00001	000002D7	09380	09391																
ISTATSL	00001	00000041	09391	02648																
ITTRP	00006	000002DF	09382	02652	03591	04458														
ITTRPL	00004	00002BE8	04458	03593																
ITTRPN	00008	00002B99	04445	03589	03601	03601	03890	03898	03898											
IUSRID	00007	00000311	09390	02765	03703	04466														
IUSRIDL	00004	00002C08	04466	03705																
IUSRIDN	00008	00002BD9	04453	03701	03713	03713	03974	03982	03982											
IVLVL	00003	000002BE	09371	02678	02679	02687														

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 23.53 10/02/19				
IVVMM	00005	000002E5	09383	02687 02688 02689 03607 04459					
IVVMML	00004	00002BEC	04459	03609					
IVVMMN	00008	00002BA1	04446	03605 03617 03617 03902 03910 03910					
JFCB	00001	00000000	07050	01370					
JFCBDSNM	00044	00000000	07087	01371					
JFCRESRV	00004	0000006C	07533	07558					
KABOUT	00001	000002AC	01090	01045					
KDIR	00001	00000280	01076	01041					
KDIR#9	00001	0000026A	01069	01039					
KDL0	00001	000002D8	01104	01057 01059					
KFILE	00001	000002C2	01097	01055					
KLIST	00008	00002B51	04439	03777					
KPNL	00001	00000296	01083	01043					
KWABOUT	00005	0000214F	04092	01044 01091 01094 01130 01131					
KWDF	00003	00002162	04096	01052 01235					
KWDIR	00003	00002149	04090	01040 01077 01080 01120 01121					
KWDIR9	00009	00002140	04089	01038 01070 01073					
KWDL0	00003	00002174	04099	01056 01105 01108 01141 01142 01143					
KWDL1	00003	00002177	04100	01058					
KWDS	00003	0000215F	04095	01050 01207					
KWFILE	00004	00002170	04098	01054 01098 01101 01135 01136					
KWPNL	00003	0000214C	04091	01042 01084 01087 01125 01126					
KWVOL	00004	0000215B	04094	01048 01174 01175					
KWVOLUME	00007	00002154	04093	01046 01169 01170					
LEN#FND	00001	00000B36	02034	02029					
LENTYLP	00001	00000B1E	02026	02031					
LENTYXT	00001	00000B4A	02050	02033 02036					
LISTDSJ	00001	00000000	00776	00777 09701					
LOADDFX	00001	00000422	01245	01238 01240 01244					
LOADDSD	00001	000003EC	01219	01210					
LOADDSP	00001	000003F4	01222	01214					
LOADDSS	00001	000003E4	01216	01212					
LOADDSX	00001	000003FC	01225	01215 01218 01221 01224					
LOCA#VOL	00002	00000400	09453	01474 01512 01514					
LOCADEV	00001	00000404	09458	01524					
LOCATEA	00008	00000400	09448	01438 09452					
LOCAUNTY	00001	00000405	09459	02390					
LOCAVENT	00001	00000402	09454	09462 09464					
LOCAVLLN	00001	0000000C	09462	01499					
LOCAVSR	00006	00000406	09460	01463 01491 01522					
LOOK4DT	00001	00000E64	02381	02394					
LOOK4DT2	00001	00000E7A	02389	02383					
LOOK4DT3	00001	00000E84	02392	02388					
LOOPDDN	00001	00000504	01355	01364					
MM1	00013	00002A62	04366	04367					
MOVEML1	00001	000018F0	03417	03415					
MSGJ015	00029	00002913	04343	02914 02914 04344					
MSGJ017	00025	00002930	04345	02484 02484 04346					
MSGJ018	00021	00002949	04347	02905 02905 04348					
MSGJ020	00032	0000295E	04349	01451 01451 01688 01688 04350					
MSGJ021	00034	0000297E	04351	01575 01575 04352					
MSGJ022	00032	000029A0	04353	01613 01613 01652 01652 04354					
MSGJ025	00035	000029C0	04355	01979 01979 02397 02397 04356					
MSGJ027	00042	000029E3	04357	03522 03522 04358					
MSGJ030	00021	00002A0D	04359	02563 02563 04360					

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 23.53 10/02/19
MSGJ031	00022	00002A22	04361	02818 02818 04362	
MSGJ032	00042	00002A38	04363	04364	
MSG LX	00001	000014C8	02978	02975	
MSG L1	00001	000014BC	02973	02967	
MSG L2	00001	000014C4	02976	02969	
MSG4004	00017	000028B2	04332	03066 03082 04333	
MSG4004L	00001	00000011	04333	03066 03071 03082 03087	
MSG4009	00017	000028C3	04334	03098 03114 03130 04335	
MSG4009L	00001	00000011	04335	03098 03103 03114 03119 03130 03135	
MSG4097	00022	000028D4	04336	03146 04337	
MSG4097L	00001	00000016	04337	03146 03151	
MSG4098	00023	000028EA	04338	03162 04339	
MSG4098L	00001	00000017	04339	03162 03167	
MSG4099	00018	00002901	04340	03178 04341	
MSG4099L	00001	00000012	04341	03178 03183	
MVCMAX	00001	00001A18	03531	03529	
MVCM SGL1	00006	000018F8	03420	03418	
MVCMYID	00006	00000486	01297	01293	
MVCOK	00001	00001A1C	03533	03530	
MVCPDSN	00006	000004CE	01321	01312 01319	
MVCSYS	00006	00001A24	03536	03534	
MYCPPLP	00004	000006E8	09670	00940 01271 03283	
MYDAPB	00008	00000708	09673	03290 03306 03322	
MYDAPL	00004	000006F0	09672	03281 03326	
MYECB	00004	000006EC	09671	00907 00907 03287	
MYEXIT	00001	000014E8	02992	03158 03174 03190	
MYID	00008	000003B2	09436	01278 01288 01297	
MYIDL	00002	000003B0	09435	01277 01287	
MYSTAMP	00001	0000001E	00799	00810 01408 01413	
MYSTAMPL	00001	00000034	00810	01405 01413	
NAML1	00004	00000068	09272	00863 02954 02958 03527	
NAMP1	00004	00000064	09271	00861 02952 02957 03526	
NEXTPRM	00001	000001F0	01035	01013 01060 01075 01082 01089 01096 01103 01110 01156 01187 01189 01198 01227 01247	
NLIST	00056	00002B59	04440	03779	
NOADD	00001	000019A8	03482	03479 03480	
NOISPLNK	00001	00000F94	02471	02468	
NOLEAP	00001	0000198E	03473	03462 03467 03470	
OBTAINA	00008	00000510	09469	01566 09473	
OBTR00	00001	00000754	01582	01573	
OBTVOL	00006	000003BA	09442	01181 01182 01182 01182 01183 01184 01389 01523 01556 01564 01584 01602 01641 01677	
OKISPLNK	00001	00000FA2	02475	02470	
ONTAPE	00001	000006C0	01528	01525	
OTHR	00001	000014D0	02981	02970	
OVF#S	00001	00000B7A	02083	02081	
OVFCHRXT	00001	00000B7E	02085	02082	
OVRSTAMP	00002	00000052	00811	00798	
PABOUT	00001	000003AB	09430	00982 01129 01398	
PARM@DEC	00001	00000344	01152	01122 01127 01132 01137 01144	
PARMABOT	00001	0000030E	01128	01093 01095	
PARMCNT2	00001	00000560	01387	01331	
PARMDCNT	00001	000004D4	01325	01264 01313 01320	
PARMDF	00001	00000404	01234	01053	
PARMDIR	00001	000002EE	01118	01072 01074 01079 01081	
PARMDL0	00001	0000032E	01138	01107 01109	
PARMDONE	00001	0000042A	01257	01028 01061 01154 01155 01157 01178 01179 01197 01199	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 23.53 10/02/19
PARMDS	00001	000003C4	01206	01051	
PARMFILE	00001	0000031E	01133	01100 01102	
PARMPNL	00001	000002FE	01123	01086 01088	
PARMSXT	00001	0000015C	00952	00938	
PARMVGO	00001	00000372	01176	01171	
PARMVL1	00004	000008EC	09695	02550 02554 02810	
PARMVOL	00001	00000366	01172	01049	
PARMVOL6	00001	00000356	01167	01047	
PASSWDXT	00001	00000CFC	02239	02232 02235 02238	
PDIR	00001	000003A9	09428	00980 01119 01140 02446	
PDL	00001	000003AD	09432	00986 01141 02451 02454 02472 02641 02880	
PDSALC	00001	000017C2	03276	02480	
PDSALCXT	00001	00001822	03309	03305	
PDSFRE	00001	00001824	03317	02901	
PDSN	00044	00000376	09425	00978 00979 00979 00979 01000 01259 01321 01329	
PDSNL	00004	00000374	09424	01002 01019 01258 01304 01317	
PFILE	00001	000003AC	09431	00984 01134 01260	
PGMID	00008	0000001E	00800	03257	
POALIS	00004	00000878	09689	02544 02544 02626 02628 02858 02864	
PODALCGO	00001	00000FAE	02479	02452 02474	
PODALIAS	00001	000010E2	02625	02617	
PODBLKS	00004	0000086C	09686	02541 02541 02601 02603 02780 02838 02850	
PODBLKSU	00004	00000870	09687	02542 02542 02780 02844 02851	
PODCNTS	00001	00001358	02836	02802 02806	
PODCONT0	00001	00001054	02572	02561	
PODCONT5	00001	000012C4	02773	02642	
PODCONT9	00001	00001358	02828	02816	
PODDIRNN	00001	00001432	02913	02449	
PODDIRXT	00001	00001438	02916	02447 02903	
PODENTRY	00001	000010C0	02612	02776	
PODEOF	00001	00001316	02808	04494	
PODERR	00001	00001312	02804	02598	
PODFREE	00001	000013FE	02899	02881 02886 02896	
PODINFO	00001	00000FE2	02540	02482	
PODNEXT	00001	000010EE	02630	02623	
PODREAD	00001	0000105E	02579	02605 02777 02781	
PODSYN	00001	000012E0	02784	04509	
PODUSED	00004	000012D2	02779	02614	
POMEMS	00004	00000874	09688	02543 02543 02620 02622 02857	
PPL	00001	00000000	09047	09061	
PPNL	00001	000003AA	09429	00981 01124 02944	
PREFXMSG	00001	000017A0	03256	03065 03081 03097 03113 03129 03145 03161 03177	
PRMDSN	00001	000001B2	01011	01027	
PSA	00001	00000000	04621	00880 04833 04838 05064	
PSAANEW	00004	00000220	04769	00880	
PSAIPCDM	00001	0000026C	04839	04838	
PSAIPCRM	00001	00000264	04834	04833	
PSATNEW	00004	00000218	04766	04767	
PVOL	00001	000003A8	09427	00983 01168 01173 01448 01552	
PVOLSER	00006	000003A2	09426	01389 01556 01557	
RACFRQD	00001	00000D0E	02251	02247	
RACFXT	00001	00000D18	02254	02250 02253	
RC	00002	0000036A	09415	00899 01416 01458 01519 01531 01536 02490 02569 02824 02894 02911 03044 03049 03054 03059	
RCEXIT	00004	0000033C	09403	03194 03199 03204 03387 00900 01415 01457 01518 01530 01535 02489 02568 02823 02893 02910 03008 03043 03048 03053	

SYMBOL	LEN	VALUE	DEFN	REFERENCES															ASM 0201 23.53 10/02/19				
				03058	03064	03080	03096	03112	03128	03144	03160	03176	03193	03198	03203	03258							
RCMSG00	00018	0000284D	04321	04320																			
RCMSG04	00039	00002863	04323	04322																			
RCMSG16	00036	0000288E	04325	04324																			
RCTBLBEG	00001	00002849	04319	03384	03386	04326																	
RCTBLLEN	00001	00000069	04326	03385																			
RECFML	00001	00000BB8	02116	02123																			
RECFMLA	00001	00000BCA	02121	02118																			
REFDTXT	00001	00000E1A	02335	02326																			
RMSG00	00017	00002660	04281	04280																			
RMSG02	00024	00002675	04283	04282																			
RMSG05	00022	00002691	04285	04284																			
RMSG06	00019	000026AB	04287	04286																			
RMSG13	00031	000026C2	04289	04288																			
RMSG17	00026	000026E5	04291	04290																			
RMSG19	00035	00002703	04293	04292																			
RMSG21	00034	0000272A	04295	04294																			
RMSG22	00018	00002750	04297	04296																			
RMSG23	00029	00002766	04299	04298																			
RMSG24	00022	00002787	04301	04300																			
RMSG26	00030	000027A1	04303	04302																			
RMSG28	00030	000027C3	04305	04304																			
RMSG29	00027	000027E5	04307	04306																			
RMSG90	00029	00002804	04309	04308																			
RMSG99	00036	00002825	04311	04310																			
RSN28	00001	000016E0	03191	01341																			
RSN29	00001	000016F6	03196	01330	03078	03094	03110	03126	03142														
RSN90	00001	0000170C	03201	01357																			
RSTBLBEG	00001	0000265C	04279	03390	03392	04312																	
RSTBLLEN	00001	000001ED	04312	03391																			
RWPW	00001	00000CF2	02236	02229																			
R0	00001	00000000	04551	00820	00822	00852	00859	00860	00861	00862	00863	00864	00865	00866	00867	00868	00869	00870					
				00880	00881	00881	00882	00882	01070	01071	01077	01078	01084	01085	01091	01092	01098	01099					
				01105	01106	01121	01126	01131	01136	01143	01153	01170	01175	01177	01400	01412	02469	02607					
				02608	02775	03013	03016	03026	03287	03288	03298	03299	03361	03361	03363	03364	03369	03370					
				03526	03536																		
R1	00001	00000001	04552	00793	00825	00836	00853	00927	00927	00929	01400	01412	01823	01825	01839	01881	01882	02601					
				02602	02602	02603	02606	02607	02608	02609	02609	02613	02616	02632	02644	02770	02774	02774					
				02775	02793	03001	03017	03281	03282	03326	03339	03360	03360	03362	03364	03365	03367	03368					
				03368	03370	03371	03511	03527	03528	03532	03534	03580	03596	03612	03628	03644	03660	03676					
				03692	03708	03724	03750	03782	03807	03832	03857	03881	03893	03905	03917	03929	03941	03953					
R10	00001	0000000A	04561	03965	03977	03989																	
				00777	00787	00788																	
				00777	00788	00789	00789	00790															
				00777	00786	00790	00791	00791	03026														
				00786	00792	00832	00833	00834	00835	03001	03007	03024	03026										
R14	00001	0000000E	04565	00786	02656	02657	02658	02658	02659	02661	02662	02663	02663	02664	03024	03027	03515	03582					
				03598	03614	03630	03646	03662	03678	03694	03710	03726	03752	03784	03809	03834	03859	03883					
				03895	03907	03919	03931	03943	03955	03967	03979	03991											
R15	00001	0000000F	04566	00787	00792	00832	00834	00835	01444	01444	01452	01572	01572	01576	01610	01610	01614	01649					
				01649	01653	01685	01685	01689	01983	01984	02401	02402	02481	02481	02485	02560	02560	02564					
				02652	02659	02664	02666	02666	02815	02815	02819	02889	02902	02902	02906	03025	03035	03037					
				03039	03304	03304	03514	03515	03517	03519	03519	03523	03581	03582	03583	03583	03597	03598					
				03599	03599	03613	03614	03615	03615	03629	03630	03631	03631	03645	03646	03647	03647	03661					
				03662	03663	03663	03677	03678	03679	03679	03693	03694	03695	03695	03709	03710	03711	03711					

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 23.53 10/02/19													
R2	00001	00000002	04553	03725	03726	03727	03727	03751	03752	03753	03753	03755	03783	03784	03785	03785	03808	03809
				03810	03810	03833	03834	03835	03835	03858	03859	03860	03860	03882	03883	03884	03884	03894
				03895	03896	03896	03906	03907	03908	03908	03918	03919	03920	03920	03930	03931	03932	03932
				03942	03943	03944	03944	03954	03955	03956	03956	03966	03967	03968	03968	03978	03979	03980
				03980	03990	03991	03992	03992										
R3	00001	00000003	04554	00793	00836	00853	01740	01742	01757	01760	01776	01776	01823	01824	01840	01860	01860	01861
				01864	01864	01871	01872	01881	01971	01972	01997	02024	02038	02113	02117	02119	02122	02122
				02157	02158	02191	02197	02354	02358	02359	02359	02547	02548	02549	02557	02583	02812	03283
				03284	03371													
				00889	00892	00893	00893	00929	00930	00933	00940	00941	01431	01432	01434	01435	01436	01437
R4	00001	00000004	04555	01438	01439	01490	01498	01500	01500	01559	01560	01562	01563	01564	01565	01566	01567	01596
				01597	01600	01601	01602	01603	01604	01605	01632	01633	01636	01639	01640	01641	01642	01643
				01644	01672	01673	01675	01676	01677	01678	01679	01680	01703	01704	01705	01714	01715	01716
				01725	01726	01727	01739	01743	01753	01753	01756	01762	01765	01777	01777	01825	01831	01834
				01839	01841	01896	01897	01910	01911	01925	01926	01939	01940	01953	01954	01967	01972	01973
R5	00001	00000005	04556	01976	01976	01990	02022	02027	02030	02030	02035	02114	02123	02156	02159	02190	02192	02196
				02198	02214	02215	02355	02357	02357	02358	02360	02360	02362	02400	02620	02621	02621	02622
				02626	02627	02627	02628	02631	02631	02632	02633	02634	02669	02707	02711	02729	02733	02774
				02838	02839	02844	02845	02850	02851	02852	02857	02858	02859	02864	02865	02938	02988	03258
				03259	03290	03291	03296	03297	03306	03322	03323	03324	03365	03384	03385	03385	03390	03391
R6	00001	00000006	04557	03391	03396	03459	03472	03481										
				00890	00894	00933	00934	00937	00937	00941	00942	00945	00950	00950	00965	01012	01014	01016
				01026	01026	01036	01036	01038	01040	01042	01044	01046	01048	01050	01052	01054	01056	01058
				01073	01080	01087	01094	01101	01108	01120	01120	01125	01125	01130	01130	01135	01135	01141
				01142	01142	01169	01169	01174	01174	01186	01188	01190	01191	01191	01207	01207	01209	01211
R7	00001	00000007	04558	01213	01226	01226	01235	01235	01237	01239	01243	01246	01246	01271	01272	01279	01285	01295
				01297	01299	01300	01300	01321	01343	01344	01346	01350	01352	01372	01375	01381	01381	01385
				01491	01498	01499	01499	01781	01784	01787	01787	01797	01800	01803	01803	01808	01811	01814
				01814	01968	01977	02023	02031	02115	02119	02120	02120	02352	02353	02644	02645	02770	02939
				02957	02958	02961	02982	02986	02986	03362	03363	03367	03369	03386	03392	03396	03398	03401
R8	00001	00000008	04559	03401	03402	03402	03403	03403	03410	03410	03411	03412	03412	03420				
				00942	00943	00943	00946	00950	01475	01476	01493	01496	01501	01782	01788	01798	01804	01809
				01815	01969	01969	01973	01974	02025	02025	02027	02028	02151	02152	02166	02167	02171	02172
				02181	02182	02379	02394	02653	02667	02675	02675	02676	02677	02681	02681	02682	02683	02747
				02747	02748	02749	02753	02753	02754	02755	02759	02759	02760	02761	02951	02952	02953	02954
R9	00001	00000009	04560	02961	02962	02963	02964	02974	02977	02979	02985	03303	03327	03350	03407	03411	03414	03416
				03418	03422	03435	03436	03439	03439	03442	03442	03447	03452	03453	03460	03461	03474	03478
				03487	03494	03497	03498	03499	03539	03569	03570	03571	03572	03573	03574	03575	03576	03577
				03578	03589	03590	03591	03592	03593	03594	03605	03606	03607	03608	03609	03610	03621	03622
				03623	03624	03625	03626	03637	03638	03639	03640	03641	03642	03653	03654	03655	03656	03657
R10	00001	00000010	04561	03658	03669	03670	03671	03672	03673	03674	03685	03686	03687	03688	03689	03690	03701	03702
				03703	03704	03705	03706	03717	03718	03719	03720	03721	03722	03745	03746	03747	03748	03773
				03774	03775	03776	03777	03778	03779	03780	03802	03803	03804	03805	03827	03828	03829	03830
				03852	03853	03854	03855	03876	03877	03878	03879	03890	03891	03902	03903	03914	03915	03926
				03927	03938	03939	03950	03951	03962	03963	03974	03975	03986	03987				
R11	00001	00000011	04562	00934	00935	00935	00945	00946	00947	00961	01027	01060	01071	01078	01085	01092	01099	01106
				01153	01156	01177	01196	01198	01273	01274	01280	01286	01286	01287	01292	01293	01294	01294
				01295	01301	01301	01305	01311	01492	01493	01496	02273	02300	02327	02380	02386	02390	02393
				02393	02407	02694	02695	02696	02698	02699	02703	02704	02706	02716	02717	02718	02720	02721
				02725	02726	02728	03413	03414	03416	03434	03451	03475	03477	03486	03486			
R12	00001	00000012	04563	01000	01016	01017	01017	01183	01190	01192	01192	01275	01275	01276	01277	01288	01303	01303
				01304	01305	01306	01309	01310	01311	01312	01315	01315	01316	01317	01318	01319	01345	01347
				01348	01349	01351	01353	01354	01363	01373	01376	01383	01786	01802	01813	02269	02274	02279
				02296	02301	02306	02323	02328	02333	02476	02477	02478	02480	02654	02656	02661	02665	02665
				02708	02709	02730	02731	02768	02883	02884	02885	02901	02931	02936	03065	03081	03097	03113

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 23.53 10/02/19													
				03129 03145 03161 03177 03248 03265 03311 03331 03373 03424 03503 03733 03760 03790 03815														
R8	00001	000000008	04559	03840 03865 03999 00961 00962 00963 01001 01002 01018 01018 01019 01184 01193 01194 01194 01361 01361 01362 01363 01368 01369 01370 01374 01377 01379 01382 01382 03477 03481 03483 03498														
R9	00001	000000009	04560	00825 00826 02963														
S#@	00004	0000236C	04173	02939 04178 04271														
S#@ENTL	00001	000000010	04178	04272														
S#@LEN	00001	000002F0	04271	04272														
S#@NUM	00001	0000002F	04272	02938														
S#@VAR	00001	0000145A	02943	02988														
S#@VARC	00001	00001496	02960	02955														
S#@VARLN	00001	0000148A	02956	02945														
SAVEAREA	00004	000000000	09236	00833 03007 03008 03025														
SAVER15	00004	00000318	09396	03517														
SAVER3	00004	00000320	09398	02707 02711 02729 02733														
SAVETB	00001	00001D1A	03822	02883														
SAVETBX	00001	00001D4E	03839	03836														
SETML1	00001	0000187E	03383	02936														
SETML2	00001	00001894	03389	02931														
SETVAR	00001	000019DC	03510	02985														
SETVARXT	00001	00001A2A	03538	03520 03535														
SINGLVOL	00001	000006A8	01521	01513														
SNN	00002	0000036C	09416	02937 02947 02966 02968 02987														
SNNC	00003	0000036E	09417	02949 02950 02951														
SNNUPK	00003	00000371	09418	02947 02948 02950														
SPCUSEDX	00001	000009B0	01859	01854 01856														
SPCUSEDX	00001	000009E4	01885	01858														
SPN#S	00001	00000B6A	02072	02070														
SPNCHRXT	00001	00000B6E	02074	02071														
SRTEASCI	00001	00000004	08474	08475														
SRTEBSTR	00001	00000004	08473	08476														
SSPC#ABS	00001	00000C58	02178	02147														
SSPC#BLK	00001	00000C74	02187	02146														
SSPC#CYL	00001	00000BF4	02148	02140														
SSPC#TRK	00001	00000C2A	02163	02143														
SSPCXT	00001	00000CAA	02202	02162 02175 02186 02201														
SUMEXTXT	00001	00000972	01817	01775 01785 01793 01801 01812														
TBADD	00008	00002B08	04426	03800 03800 03802														
TBCLOSE	00008	00002B20	04429	03850 03850 03852														
TBCREATE	00008	00002B00	04425	03770 03770 03773														
TBERASE	00008	00002B10	04427	03743 03743 03745														
TBLDSOB	00002	00000AE8	02003	01967 02005 02010														
TBLDSOE	00001	000000005	02010	01968														
TBLDSOL	00001	000000006	02005	01976 02010														
TBLRFM1B	00002	00000B44	02043	02022 02045 02048														
TBLRFM1E	00001	000000003	02048	02023														
TBLRFM1L	00001	000000002	02045	02030 02035 02048														
TBN	00008	000002B6	09370	00987 02454 03747 03757 03757 03775 03787 03787 03804 03812 03812 03829 03837 03837 03854 03862 03862														
TBSAVE	00008	00002B18	04428	03825 03825 03827														
TCB	00001	000000020	06139	01349 06825														
TCBDARPN	00001	000000040	06465	06467														
TCBDARTN	00001	000000080	06462	06464														
TCBFIX	00001	000000000	06127	06134														
TCBMNLEN	00001	00000128	06825	06896														

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 23.53 10/02/19
TCBPXLEN	00001	00000020	06134	06896	
TCBTIO	00004	0000002C	06152	01350	
TCBXTNT2	00001	00000000	06830	06894	
TCBX2LEN	00001	00000020	06894	06896	
TIOEDDNM	00008	0000001C	06987	01359	
TIOEJFCB	00003	00000024	06988	01367	
TIOELNGH	00001	00000018	06944	01356 01362	
TIOENTRY	00001	00000018	06943	01353 01354	
TIOT	00001	00000000	06903	01352	
TMDSORG	00004	00000AE4	01997	01974	
TMDSRFM1	00004	00000B40	02038	02028	
TOKEN	00004	00002180	04106	00869	
TOTEXTS	00001	0000185C	03359	01786 01802 01813	
TOTUSED	00001	000009C2	01870	01863	
TRKLEN	00004	00000344	09405	01726 01742 01756	
TRKSCYL	00004	00000340	09404	01715 01740 01824 01840 02158	
TRKSTOTA	00004	00000348	09406	01834 02166 02181 02190	
TSVEUPDT	00001	00000002	04544	04105	
TTRKUSED	00004	0000034C	09407	01857 01857 01871 02156 02171 02196	
UAMCHGDT	00004	00000014	09206	02715 02724	
UAMCHGSS	00001	0000000F	09199	02742	
UAMCHGTM	00002	00000018	09211	02735	
UAMCREDT	00004	00000010	09201	02693 02702	
UAMCURR	00002	0000001A	09214	02748	
UAMINIT	00002	0000001C	09216	02754	
UAMMEM	00008	00000000	09181	02650	
UAMMLVL	00001	0000000D	09188	02682	
UAMMOD	00002	0000001E	09218	02760	
UAMTTR	00003	00000008	09182	02653 02654	
UAMUID	00007	00000020	09220	02765	
UAMVLVL	00001	0000000C	09187	02676	
UCB	00001	00000000	07906	02355	
UCBALOC	00001	00000008	08092	08288	
UCBBALB	00001	00000020	08331	08470	
UCBBNUL	00001	00000001	08341	08477	
UCBBPRV	00001	00000010	08333	08471	
UCBBPUB	00001	00000008	08334	08472	
UCBBSTR	00001	00000004	08335	08473 08474	
UCBBSVL	00001	00000080	08315	08469	
UCBBSY	00001	00000080	08109	08110	
UCBCHGS	00001	00000040	08082	08285	
UCBCUB	00001	00000008	08116	08117	
UCBDADI	00001	00000001	08098	08291	
UCBDEV	00001	00000018	08298	08304 08418 08492 08509 08531 08625 08638 08670	
UCBDMCT	00001	00000023	08350	08478	
UCBFLA	00001	00000006	08107	08108	
UCBFL1	00001	00000006	08108	08292	
UCBFSC	00002	00000018	08425	08479	
UCBFSEQ	00002	0000001A	08426	08480	
UCBJBNR	00001	00000000	08021	02364 08281	
UCBMONT	00001	00000001	08042	08282	
UCBNRY	00001	00000040	08111	08112	
UCBONLI	00001	00000080	08081	02366 08284	
UCBPRES	00001	00000004	08093	08289	
UCBPST	00001	00000020	08113	08114	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 23.53 10/02/19
UCBRESV	00001	00000020	08087	08286	
UCBSCAN	00001	00000E2A	02356	02361 02365 02367 02369	
UCBSTAB	00001	00000022	08314	08468	
UCBSTAT	00001	00000003	08080	02366 08283	
UCBSYSR	00001	00000002	08095	08290	
UCBUNLD	00001	00000010	08089	08287	
UCBUNTYP	00001	00000013	08242	02386	
UCBUSER	00001	00000026	08402	08481	
UCBVOLI	00006	0000001C	08313	02368 08467	
UCBVRDEV	00001	00000080	08022	02364	
UPPERC	00006	00000168	00965	00963	
UPPERCX	00001	0000016E	00966	00964	
UPT	00001	00000000	09025	01274 09044	
UPTPREFL	00001	00000017	09042	01276	
UPTPREFIX	00007	00000010	09041	01278	
V#@	00001	000021A0	04119	04167	
VALIAS	00015	00002308	04157	04217 04217	
VALLOC	00008	00002362	04166	04269 04269	
VALL1	00004	00000070	09274	00867 02979 02982	
VALP1	00004	0000006C	09273	00865 02964	
VARDEFS	00001	00001A2C	03565	02476	
VARDELS	00001	00001D86	03872	02885	
VBLKSZ	00010	000021D7	04126	04199 04199	
VBLKTRK	00010	000022B9	04150	04249 04249	
VCCVOL	00009	0000229D	04147	04235 04235	
VCREDT	00009	00002203	04131	04187 04187	
VCREDTC	00010	0000223E	04137	04251 04251	
VCREDTJ	00010	0000221F	04134	04239 04239	
VDEFINE	00008	00002AF0	04423	03568 03568 03569	
VDEF10	00001	00001C28	03715	03712	
VDEF11	00001	00001C5E	03731	03728	
VDEF2	00001	00001A78	03587	03584	
VDEF3	00001	00001AAE	03603	03600	
VDEF4	00001	00001AE4	03619	03616	
VDEF5	00001	00001B1A	03635	03632	
VDEF6	00001	00001B50	03651	03648	
VDEF7	00001	00001B86	03667	03664	
VDEF8	00001	00001BBC	03683	03680	
VDEF9	00001	00001BF2	03699	03696	
VDELETE	00008	00002AF8	04424	03875 03875 03876	
VDEL10	00001	00001EEA	03984	03981	
VDEL11	00001	00001F10	03996	03993	
VDEL2	00001	00001DBA	03888	03885	
VDEL3	00001	00001DE0	03900	03897	
VDEL4	00001	00001E06	03912	03909	
VDEL5	00001	00001E2C	03924	03921	
VDEL6	00001	00001E52	03936	03933	
VDEL7	00001	00001E78	03948	03945	
VDEL8	00001	00001E9E	03960	03957	
VDEL9	00001	00001EC4	03972	03969	
VDIRBKSA	00010	0000232C	04160	04209 04209	
VDIRBKSN	00011	00002321	04159	04213 04213	
VDIRBKSU	00010	00002317	04158	04211 04211	
VDSCAT	00008	00002336	04161	04259 04259	
VDSCATV	00009	0000233E	04162	04261 04261	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 23.53 10/02/19									
VDSN	00009	000021A0	04120	04176	04176									
VDSORG	00008	000021F3	04129	04193	04193									
VEXPDT	00009	0000220C	04132	04189	04189									
VEXPDTC	00010	00002248	04138	04253	04253									
VEXPDTJ	00010	00002229	04135	04241	04241									
VEXTS	00010	00002289	04145	04227	04227									
VJMSG	00013	000022F1	04155	04179	04179									
VKEYL	00009	000021E1	04127	04201	04201									
VKEYP	00009	000021EA	04128	04203	04203									
VLRECL	00008	000021CF	04125	04197	04197									
VMEMS	00010	000022FE	04156	04215	04215									
VMSGL1	00010	000021B2	04122	04183	04183									
VMSGL2	00010	000021BC	04123	04185	04185									
VNUMVOL	00010	00002293	04146	04257	04257									
VOLLST	00001	0000066C	01497	01494	01495	01501								
VOL00	00001	0000038E	01185	01196										
VOL00A	00004	000003BC	01198	01195										
VPASSWD	00011	0000225D	04140	04205	04205									
VPSPCAL	00010	00002347	04163	04263	04263									
VPSPCUS	00007	00002351	04164	04265	04265									
VRACF	00008	00002268	04141	04207	04207									
VRECFM	00008	000021FB	04130	04195	04195									
VREFDT	00010	00002215	04133	04191	04191									
VREFDTC	00011	00002252	04139	04255	04255									
VREFDTJ	00011	00002233	04136	04243	04243									
VRSCODE	00009	000021A9	04121	04181	04181									
VSSPC	00008	00002270	04142	04223	04223									
VSSPCNM	00010	00002278	04143	04231	04231									
VTKAL	00012	000022CD	04152	04229	04229									
VTKUS	00011	000022D9	04153	04225	04225									
VTKUUS	00013	000022E4	04154	04233	04233									
VTRKLEN	00009	000022B0	04149	04245	04245									
VTTCC	00010	000022A6	04148	04237	04237									
VUNIT	00007	00002282	04144	04221	04221									
VUNITCAP	00010	000022C3	04151	04247	04247									
VVOL	00009	000021C6	04124	04219	04219									
VVOLLST	00010	00002358	04165	04267	04267									
WRPW	00001	00000CE8	02233	02227										
WSAREA	00001	00000000	09231	09699										
WSAREAE	00001	00000918	09698	09699										
WSAREAL	00001	00000918	09699	00820	03013									
WSDSECT	00001	00000000	09230	00826										
Y2KWIN	00004	0000219C	04113	03436										
ZEROCL11	00011	00002165	04097	02265	02267	02268	02292	02294	02295	02319	02321	02322		

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 23.53 10/02/19
=256X'40'					
	00001	00001F18	04003	00965	
=C'DIRLST'					
	00008	00002018	04004	00987	
=C'LOCATE'					
	00008	00002020	04005	01455	
=C'CYLINDER'					
	00008	00002028	04006	02149	
=C'TRACK'					
	00008	00002030	04007	02164	
=C'ABSOLUTE'					
	00008	00002038	04008	02179	
=C'BLOCK'					
	00008	00002040	04009	02188	
=8X'FF'	00001	00002048	04010	02613	
=CL8'SYSALLDA'					
	00008	00002050	04011	03300	
=C'					
	00008	00002058	04012	03998	
=F'0'	00004	00002060	04013	00900	
=F'44'	00004	00002064	04014	01306	
=F'16'	00004	00002068	04015	01369	01457 01518 01530 01535 02893 03043 03048 03053 03058 03193 03198 03203
=F'00'	00004	0000206C	04016	01415	
=F'1'	00004	00002070	04017	01757	02157
=C'NONE'	00004	00002074	04018	02249	
=C'RACF'	00004	00002078	04019	02252	
=X'0000FFFF'					
	00004	0000207C	04020	02362	
=F'04'	00004	00002080	04021	02489	02568 02823 02910
=F'31'	00004	00002084	04022	02633	
=F'15'	00004	00002088	04023	02657	
=F'30'	00004	0000208C	04024	02669	
=F'4'	00004	00002090	04025	03035	
=F'8'	00004	00002094	04026	03037	03755
=F'12'	00004	00002098	04027	03039	
=F'4004'	00004	0000209C	04028	03064	
=F'4005'	00004	000020A0	04029	03080	
=F'4008'	00004	000020A4	04030	03096	
=F'4009'	00004	000020A8	04031	03112	
=F'4010'	00004	000020AC	04032	03128	
=F'4097'	00004	000020B0	04033	03144	
=F'4098'	00004	000020B4	04034	03160	
=F'4099'	00004	000020B8	04035	03176	
=F'18'	00004	000020BC	04036	03528	
=C'00'	00002	000020C0	04037	00899	00902 01416
=H'4'	00002	000020C2	04038	00947	
=H'8'	00002	000020C4	04039	01340	
=C'99'	00002	000020C6	04040	01414	
=C'05'	00002	000020C8	04041	01456	
=C'16'	00002	000020CA	04042	01458	01519 01531 01536 02894 03044 03049 03054 03059 03194 03199 03204
=X'0001'	00002	000020CC	04043	01512	
=X'0000'	00002	000020CE	04044	01514	
=C'19'	00002	000020D0	04045	01517	
=C'26'	00002	000020D2	04046	01529	
=C'06'	00002	000020D4	04047	01534	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 23.53 10/02/19
=H'0'	00002	000020D6	04048	01754	
=C'DSORG Type'	00010	000020D8	04049	01980	
=C'DeviceType'	00010	000020E2	04050	02398	
=C'PO'	00002	000020EC	04051	02448	
=C'NO ISPLINK SUPPORT'	00018	000020EE	04052	02473	
=C'02'	00002	00002100	04053	02488	02909
=C'04'	00002	00002102	04054	02490	02569 02824 02911
=C'13'	00002	00002104	04055	02567	02822
=C'17'	00002	00002106	04056	02892	
=X'9000'	00002	00002108	04057	02962	
=C'21'	00002	0000210A	04058	03042	
=C'22'	00002	0000210C	04059	03047	
=C'24'	00002	0000210E	04060	03052	
=C'23'	00002	00002110	04061	03057	
=C'28'	00002	00002112	04062	03192	
=C'29'	00002	00002114	04063	03197	
=C'90'	00002	00002116	04064	03202	
=C'??'	00002	00002118	04065	03406	
=H'59'	00002	0000211A	04066	03461	
=P'100'	00002	0000211C	04067	03465	
=P'400'	00002	0000211E	04068	03468	
=H'2'	00002	00002120	04069	03478	
=C'001'	00003	00002122	04070	01555	
=C'1'	00001	00002125	04071	01579	
=C'2'	00001	00002126	04072	01617	
=C'3'	00001	00002127	04073	01656	
=C'4'	00001	00002128	04074	01692	
=C'NONE '	00005	00002129	04075	02231	
=C'WRITE'	00005	0000212E	04076	02234	
=C'R_W '	00005	00002133	04077	02237	
=X'000000'	00003	00002138	04078	02271	02298 02325
=P'+0'	00001	0000213B	04079	02937	
=P'+3'	00001	0000213C	04080	02966	
=P'+4'	00001	0000213D	04081	02968	
=P'+1'	00001	0000213E	04082	02987	
=P'0'	00001	0000213F	04083	03466	03469

ASM 0201 23.53 10/02/19

NO STATEMENTS FLAGGED IN THIS ASSEMBLY

HIGHEST SEVERITY WAS 0

OPTIONS FOR THIS ASSEMBLY

ALIGN, ALOGIC, BUFSIZE(STD), NODECK, ESD, FLAG(0), LINECOUNT(55), LIST, NOMCALL, YFLAG, WORKSIZE(2097152)

NOMLOGIC, NUMBER, OBJECT, RENT, RLD, STMT, NOLIBMAC, TERMINAL, NOTEST, XREF(SHORT)

SYSPARM()

WORK FILE BUFFER SIZE/NUMBER =19066/ 1

TOTAL RECORDS READ FROM SYSTEM INPUT 4645

TOTAL RECORDS READ FROM SYSTEM LIBRARY 13790

TOTAL RECORDS PUNCHED 211

TOTAL RECORDS PRINTED 10733

F64-LEVEL LINKAGE EDITOR OPTIONS SPECIFIED MAP,LIST,LET,RENT,XREF
DEFAULT OPTION(S) USED - SIZE=(231424,55296)
IEW0000 NAME LISTDSJ(R)

CROSS REFERENCE TABLE

CONTROL SECTION			ENTRY							
NAME	ORIGIN	LENGTH	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION
LISTDSJ	00	2C78								

LOCATION REFERS TO SYMBOL IN CONTROL SECTION LOCATION REFERS TO SYMBOL IN CONTROL SECTION
ENTRY ADDRESS 00

TOTAL LENGTH 2C78
***LISTDSJ NOW REPLACED IN DATA SET
AUTHORIZATION CODE IS 0.
**MODULE HAS BEEN MARKED REENTERABLE, AND REUSABLE.

./ ADD NAME=LISTDSJ

)F FUNCTION -

The LISTDSJ command sets CLIST variables for dataset attributes and other information.

)X SYNTAX -

LISTDSJ NAME VOL(vvvvvv) DIR PNL ABOUT DS(x) DF(n) LB1010
FILE DLn LB1010

REQUIRED - NAME

DEFAULTS - NONE

ALIAS - NONE

)O OPERANDS -

Parameters can appear in any order except NAME which must be the first parameter

))NAME - DSN (dataset name) or DDNAME (see FILE keyword) LB1010
DSN in quotes is fully qualified, otherwise, prefix DSN LB1010
with USERID LB1010

))VOLUME - optional, target volume for data set name LB1010
or VOL bypassing catalog search. LB1010

))DIRECTORY- optional, retrieve PDS directory information. LB1010
or DIR Ignored when file is not Partitioned. LB1010
is not Partitioned.

))PNL - NOTE: Last Referenced Date is updated when file open.
CLIST symbolic names use short format, &Snn.
See Table 3, column 'S#' in program documentation
for name specifics.

))ABOUT - optional, display LISTDSJ date time stamp on TSO
session screen.
NOTE: Although a data set name, as a placeholder
must be specified as the first parameter before the
ABOUT keyword, no dataset information is retrieved.
All CLIST variables will contain default values of
question marks (?).

))DS - optional, date separator to be used for dates LB1001a
Note: default value is DS(S) slash LB1001a
DS(D) use dash (-) LB1001a
DS(P) use period (.) LB1001a
DS(S) use slash (/) DEFAULT <-- LB1001a

))DF - optional, date format layout for MDY type dates LB1001b
Note: default value is DF(3) YYYY_MM_DD LB1001b
DF(1) use date format MM_DD_CCYY LB1001b
DF(2) use date format DD_MM_CCYY LB1001b
DF(3) use date format YYYY_MM_DD DEFAULT <-- LB1001b
DF(4) use date format YYYY_DD_MM LB1001b

))FILE - optional, use NAME as a DDNAME for an allocated dataset LB1010

))DLn - optional, create PDS directory list with ISPF statistics LB1001h
Note: ISPLINK must be available to utilize ISPF table LB1001h
services. Otherwise, this parameter is ignored. LB1001h
DL0 ISPF table name DIRLST0 is created LB1001h
DL1 ISPF table name DIRLST1 is created LB1001h

Sample Commands

- 1) LISTDSJ 'HERC01.TEST.CNTL' ABOUT

Displays LISTDSJ date time stamp on TSO session screen and sets all LISTDSJ SYS* CLIST variables to question marks (?).

LB1010
- 2) LISTDSJ 'HERC01.TEST.CNTL'

Dataset attributes and other information for HERC01.TEST.CNTL are set for each LISTDSJ SYS* CLIST variable excluding DIRECTORY information.

LB1010
- 3) LISTDSJ 'HERC01.TEST.CNTL' DIR

Dataset attributes and other information for HERC01.TEST.CNTL are set for each LISTDSJ SYS* CLIST variable including DIRECTORY information.
Note: Last Referenced Date updated when file opened.

LB1010
- 4) LISTDSJ 'HERC01.TEST.CNTL' PNL

Dataset attributes and other information for HERC01.TEST.CNTL are set for each LISTDSJ Snn CLIST variable excluding DIRECTORY information.
Note: Short name notation is used for this request (&Snn).

LB1010
- 5) LISTDSJ SYSPROC FILE

Dataset attributes and other information for dataset name associated with DDNAME SYSPROC are set for each LISTDSJ SYS* CLIST variables excluding DIRECTORY information.

LB1010
LB1010
LB1010
LB1010
LB1010

./ ENDUP

IEB816I MEMBER NAME (LISTDSJ) FOUND IN NM DIRECTORY. TTR IS NOW ALTERED.
IEB818I HIGHEST CONDITION CODE WAS 00000000
IEB819I END OF JOB IEBUPDTE.


```
./ ADD NAME=CLISTDSJ
PROC 1 LTYP PRMS()
```

```
/* **** */
/*
/* CLIST: CLISTDSJ
/* AUTHOR: Larry Belmontes Jr.
/* https://ShareABitOfIT.net/listdsj-for-mvs-3-8j/
/*
/*
/*
/* DESCRIPTION:
/* -----
/*
/* Test harness to display symbolic variable names and values
/* returned from LISTDSJ in one of three formats:
/* 1 - TWO COLUMN LIST
/* 2 - CONDENSED FORM
/* 3 - GROUPED FORM (3270-LIKE)
/*
/* NOTE: Do not use PNL option. CLIST will terminate abnormally.
/* This CLIST can only display &SYS* variable names.
/*
/*
/* COMMAND SYNTAX:
/* -----
/*
/* CLISTDSJ TYPE PRMS('xxxx...xx')
/*
/* TYPE (REQUIRED) DISPLAY LAYOUT TYPE
/* 1 - TWO COLUMN LIST
/* 2 - CONDENSED FORM
/* 3 - GROUPED FORM
/* PRMS (REQUIRED) FULLY QUALIFIED DATASET NAME followed
/* by LISTDSJ valid parameters. PRMS content
/* is enclosed with quotes.
/*
/* Example:
/* CLISTDSJ 1 PRMS('herc01.test.cntl' dir')
/*
/*
/* DISCLAIMER:
/* -----
/*
/* NO GUARANTEE; NO WARRANTY; INSTALL / USE AT YOUR OWN RISK.
/*
/* THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESSED
/* OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE
/* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A
/* PARTICULAR PURPOSE.
/*
/* THE AUTHOR REQUESTS KEEPING AUTHORS NAME INTACT TO ANY
/* MODIFIED VERSIONS IN ADDITION TO SHARING ANY CODE AND ASSOCIATED
```

LB1010

```
/* COMMENTS THAT CAN BE INCOPORATED INTO A SUBSEQUENT RELEASE */
/* (GIVING CREDIT TO CONTRIBUTOR) IMPROVING OVERALL FUNCTIONALITY */
/* AND FURTHER BENEFITING THE MVS 3.8J HOBBYIST PUBLIC DOMAIN */
/* COMMUNITY. */
/*
/*
/*
/* CHANGE HISTORY:
/* -----
/* MM/DD/CCYY VERSION NAME / DESCRIPTION
/* 09/30/2019 1.0.10 LARRY BELMONTES JR.
/* ADD SYSALLOC to CLIST
/*
/* 04/29/2019 1.0.00 LARRY BELMONTES JR.
/* INITIAL VERSION RELEASED TO MVS 3.8JHOBBYIST
/* PUBLIC DOMAIN
/*
/*
/******
```

```
LB1010
LB1010
LB1010
```

```
SET L00 =&STR(--- CLISTDSJ LIST TYPE '&LTYP')
```

```
/******
/* PRINT SOME LINES AND PRMS CONTENT */
/******
```

```
IF &LTYP EQ X THEN -
```

```
DO
```

```
WRITE
```

```
WRITE *****
```

```
IF &LENGTH(&PRMS) > 0 THEN -
```

```
DO
```

```
WRITE * * * &PRMS
```

```
WRITE *****
```

```
END
```

```
WRITE
```

```
GOTO ENDIT
```

```
END
```

```
/******
/* CHECK FOR VALID LIST TYPES */
/******
```

```
IF &LTYP GE 1 AND &LTYP LE 3 THEN -
```

```
WRITE &L00
```

```
ELSE -
```

```
DO
```

```
WRITE &L00
```

```
WRITE LIST TYPE '&LTYP' IS INVALID
```

```
WRITE 1 - LIST OF SYMBOLICS AND VALUES
```

```
WRITE 2 - LIST OF ARRANGED SYMBOLICS AND VALUES
```

```
WRITE 3 - LIST OF TITLES AND VALUES (3270-LIKE)
```

```
GOTO ENDIT
```

```
END
```

```
/******
```

```
/* INVOKE LISTDSJ */
/*****/
LISTDSJ &PRMS
SET RC=&LASTCC
WRITE --- LISTDSJ RC=&RC

/*****/
/* DISPLAY RESULTS BASED ON LIST TYPE */
/*****/
IF &RC = 0 OR &RC = 4 OR &RC = 8 OR &RC = 16 THEN -
DO
  IF &LTYP EQ 1 THEN -
  DO
/* 1 - TWO COLUMN LIST */
WRITE 00. SYSDSNAME      ='&SYSDSNAME'
WRITE 01. SYSLISTDSJMSG  ='&SYSLISTDSJMSG'
WRITE 02. SYSVOLUME      ='&SYSVOLUME'
WRITE 03. SYSUNIT        ='&SYSUNIT'
WRITE 04. SYSDSORG       ='&SYSDSORG'
WRITE 05. SYSRECFM       ='&SYSRECFM'
WRITE 06. SYSLRECL       ='&SYSLRECL'
WRITE 07. SYSBLKSIZE     ='&SYSBLKSIZE'
WRITE 08. SYSKEYLEN      ='&SYSKEYLEN'
WRITE 09. SYSKEYPOS      ='&SYSKEYPOS'
WRITE 10. SYSSECONDS     ='&SYSSECONDS'
WRITE 11. SYSUNITS       ='&SYSUNITS'
WRITE 12. SYSEXTENTS     ='&SYSEXTENTS'
WRITE 13. SYSCREATE      ='&SYSCREATE'
WRITE 14. SYSJCREATE     ='&SYSJCREATE'
WRITE 15. SYSCCREATE     ='&SYSCCREATE'
WRITE 16. SYSREFDATE     ='&SYSREFDATE'
WRITE 17. SYSJREFDATE    ='&SYSJREFDATE'
WRITE 18. SYSCREFDATE    ='&SYSCREFDATE'
WRITE 19. SYSEXDATE      ='&SYSEXDATE'
WRITE 20. SYSJEXDATE     ='&SYSJEXDATE'
WRITE 21. SYSCEXDATE     ='&SYSCEXDATE'
WRITE 22. SYSPASSWORD    ='&SYSPASSWORD'
WRITE 23. SYSRACFA       ='&SYSRACFA'
WRITE 24. SYSTRKSCYL     ='&SYSTRKSCYL'
WRITE 25. SYSTRKLEN      ='&SYSTRKLEN'
WRITE 26. SYSBLKSTRK     ='&SYSBLKSTRK'
WRITE 27. SYSADIRBLK     ='&SYSADIRBLK'
WRITE 28. SYSUDIRBLK     ='&SYSUDIRBLK'
WRITE 29. SYSNUDIRBLK    ='&SYSNUDIRBLK'
WRITE 30. SYSMEMBERS     ='&SYSMEMBERS'
WRITE 31. SYSMEMBERSALIAS='&SYSMEMBERSALIAS'
WRITE 32. SYSREASON      ='&SYSREASON'
WRITE 33. SYSMSGLVL1     ='&SYSMSGLVL1'
WRITE 34. SYSMSGLVL2     ='&SYSMSGLVL2'
WRITE 35. SYSCYLVOL      ='&SYSCYLVOL'
WRITE 36. SYSTRKSALLOC   ='&SYSTRKSALLOC'
WRITE 37. SYSTRKSUSED    ='&SYSTRKSUSED'
```

```
WRITE 38. SYSTRKSUNUSED = '&SYSTRKSUNUSED'
WRITE 39. SYSUNITCAP     = '&SYSUNITCAP'
WRITE 40. SYSNUMVOLS     = '&SYSNUMVOLS'
WRITE 41. SYSDSCAT       = '&SYSDSCAT'
WRITE 42. SYSDSCATV      = '&SYSDSCATV'
WRITE 43. SYSPRIMARY     = '&SYSPRIMARY'
WRITE 44. SYSUSED        = '&SYSUSED'
WRITE 45. SYSVOLUMES     = '&SYSVOLUMES'
/* V1.0.10 */
WRITE 46. SYSALLOC       = '&SYSALLOC'
```

```
END
```

```
ELSE -
```

```
IF &LTYP EQ 2 THEN -
```

```
DO
```

```
/* 2 - CONDENSED FORM */
```

```
WRITE SYSLISTDSJMSG='&SYSLISTDSJMSG'
SET WLINE = &STR(RC='&RC')
SET WLINE = &STR(&WLINE SYMSGLVL1='&SYMSGLVL1'
WRITE &WLINE
SET WLINE = &STR(SYSREASON='&SYSREASON')
SET WLINE = &STR(&WLINE SYMSGLVL2='&SYMSGLVL2'
WRITE &WLINE
WRITE SYSDSNAME='&SYSDSNAME'
```

```
SET WLINE = &STR(SYSDSORG='&SYSDSORG')
SET WLINE = &STR(&WLINE SYSRECFM='&SYSRECFM')
SET WLINE = &STR(&WLINE SYSLRECL='&SYSLRECL')
SET WLINE = &STR(&WLINE SYSBLKSIZE='&SYSBLKSIZE')
WRITE &WLINE
```

```
SET WLINE = &STR(SYSKEYLEN='&SYSKEYLEN')
SET WLINE = &STR(&WLINE SYSKEYPOS='&SYSKEYPOS')
SET WLINE = &STR(&WLINE SYSPASSWORD='&SYSPASSWORD')
SET WLINE = &STR(&WLINE SYSRACFA='&SYSRACFA')
WRITE &WLINE
```

```
SET WLINE = &STR(SYSJCREATE='&SYSJCREATE')
SET WLINE = &STR(&WLINE SYSJEXDATE='&SYSJEXDATE')
SET WLINE = &STR(&WLINE SYSJREFDATE='&SYSJREFDATE')
WRITE &WLINE
```

```
SET WLINE = &STR(SYSCREATE='&SYSCREATE')
SET WLINE = &STR(&WLINE SYSEXDATE='&SYSEXDATE')
SET WLINE = &STR(&WLINE SYSREFDATE='&SYSREFDATE')
WRITE &WLINE
```

```
SET WLINE = &STR(SYSCCREATE='&SYSCCREATE')
SET WLINE = &STR(&WLINE SYSCEXDATE='&SYSCEXDATE')
SET WLINE = &STR(&WLINE SYSCREFDATE='&SYSCREFDATE')
WRITE &WLINE
```

```
SET WLINE = &STR(SYSTRKLEN='&SYSTRKLEN')
```

```
SET WLINE = &STR(&WLINE SYSBLKSTRK='&SYSBLKSTRK')
WRITE &WLINE
```

```
SET WLINE = &STR(SYSVOLUME='&SYSVOLUME')
SET WLINE = &STR(&WLINE SYSUNIT='&SYSUNIT')
SET WLINE = &STR(&WLINE SYSCYLVOL='&SYSCYLVOL')
SET WLINE = &STR(&WLINE SYSTRKSCYL='&SYSTRKSCYL')
WRITE &WLINE
```

```
SET WLINE = &STR(SYSUNITS='&SYSUNITS')
SET WLINE = &STR(&WLINE SYSSECONDS='&SYSSECONDS')
SET WLINE = &STR(&WLINE SYSEXTENTS='&SYSEXTENTS')
WRITE &WLINE
```

```
SET WLINE = &STR(SYSTRKSALLOC='&SYSTRKSALLOC')
SET WLINE = &STR(&WLINE SYSTRKSUSED='&SYSTRKSUSED')
SET WLINE = &STR(&WLINE SYSTRKSUNUSED='&SYSTRKSUNUSED')
WRITE &WLINE
```

```
SET WLINE = &STR(SYSADIRBLK='&SYSADIRBLK')
SET WLINE = &STR(&WLINE SYSUDIRBLK='&SYSUDIRBLK')
SET WLINE = &STR(&WLINE SYSNUDIRBLK='&SYSNUDIRBLK')
WRITE &WLINE
```

```
SET WLINE = &STR(SYSMEMBERS='&SYSMEMBERS')
SET WLINE = &STR(&WLINE SYSMEMBERSALIAS='&SYSMEMBERSALIAS')
WRITE &WLINE
```

```
SET WLINE = &STR(SYSUNITCAP='&SYSUNITCAP')
SET WLINE = &STR(&WLINE SYSNUMVOLS='&SYSNUMVOLS')
SET WLINE = &STR(&WLINE SYSDSCAT='&SYSDSCAT')
SET WLINE = &STR(&WLINE SYSDSCATV='&SYSDSCATV')
WRITE &WLINE
```

```
SET WLINE = &STR(SYSPRIMARY='&SYSPRIMARY')
SET WLINE = &STR(&WLINE SYSUSED='&SYSUSED')
WRITE &WLINE
```

```
SET WLINE = &STR(SYSVOLUMES='&SYSVOLUMES')
SET WLINE = &STR(&WLINE SYSALLOC='&SYSALLOC') /* V1.0.10 */
WRITE &WLINE
```

```
END
```

```
ELSE -
```

```
IF &LTYP EQ 3 THEN -
```

```
DO
```

```
/* 3 - GROUPED FORM (3270-LIKE) */
```

```
SET WLINE = &STR(MSG: &SUBSTR(1:71,&SYSLISTDSJMSG)...)
WRITE &WLINE
```

```
SET WLINE = &STR(RETURN CD: &RC &STR(&SYMSGLVL1))
WRITE &WLINE
```



```
SET WLINE = &STR(SYSREASON: &SYSREASON )
SET WLINE = &STR(&WLINE&STR(&SYMSGLVL2))
WRITE &WLINE
```

```
WRITE
```

```
SET WLINE = &STR(&SYSDSNAME)
WRITE &WLINE
```

```
SET WLINE = &STR(DSORG RECFM LRECL BLKSZ KEYL RKP)
SET WLINE = &STR(&WLINE PASSWORD RACF)
WRITE &WLINE
```

```
SET WLINE = &STR(&SYSDSORG)
SET WLINE = &STR(&WLINE &SYSRECFM)
SET WLINE = &STR(&WLINE &SYSLRECL)
SET WLINE = &STR(&WLINE &SYSBLKSIZE)
SET WLINE = &STR(&WLINE &SYSKEYLEN)
SET WLINE = &STR(&WLINE &SYSKEYPOS)
SET WLINE = &STR(&WLINE &SYSPASSWORD)
SET WLINE = &STR(&WLINE &SYSRACFA)
WRITE &WLINE
```

```
SET WLINE = &STR(CREDIT &SYSCCREATE)
SET WLINE = &STR(&WLINE EXPDT &SYSCEXDATE)
SET WLINE = &STR(&WLINE REFDT &SYSCREFDATE)
SET WLINE = &STR(&WLINE CATL: &SYSDSCAT)
WRITE &WLINE
```

```
SET WLINE = &STR( &SYSJCREATE &SYSCREATE)
SET WLINE = &STR(&WLINE &SYSJEXDATE &SYSEXDATE)
SET WLINE = &STR(&WLINE &SYSJREFDATE &SYSREFDATE)
SET WLINE = &STR(&WLINE CVOL: &SYSDSCATV)
WRITE &WLINE
```

```
SET WLINE = &STR(&SYSVOLUMES )
SET WLINE = &STR(&WLINE VOL: &SYSNUMVOLS)
WRITE &WLINE
```

```
SET WLINE = &STR(ALLOCATION: TYPE PRI USED)
SET WLINE = &STR(&WLINE SEC ALLOC) /* V1.0.10 */
WRITE &WLINE
```

```
SET WLINE = &STR( &SYSVOLUME)
SET WLINE = &STR(&WLINE &SYSUNITS)
SET WLINE = &STR(&WLINE &SYSPRIMARY) /* V1.0.10 */
SET WLINE = &STR(&WLINE &SYSUSED)
SET WLINE = &STR(&WLINE &SYSSECONDS)
SET WLINE = &STR(&WLINE &SYSALLOC) /* V1.0.10 */
WRITE &WLINE
```

```
SET WLINE = &STR(TRACKS: TOT USED UNUSED EXTENTS)
```

SYSIN

NEW MASTER

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SET WLINE = &STR(&WLINE)
WRITE &WLINE

SET WLINE = &STR(&SYSTRKSALLOC)
SET WLINE = &STR(&WLINE &SYSTRKSUSED)
SET WLINE = &STR(&WLINE &SYSTRKSUNUSED)
SET WLINE = &STR(&WLINE &SYSEXTENTS)
WRITE &WLINE

SET WLINE = &STR(DEVICE: CYLS TRKSCYL TRKLEN BLKSTRK)
SET WLINE = &STR(&WLINE CAPACITY)
WRITE &WLINE

SET WLINE = &STR(&SYSUNIT)
SET WLINE = &STR(&WLINE &SYSCYLVOL)
SET WLINE = &STR(&WLINE &SYSTRKSCYL)
SET WLINE = &STR(&WLINE &SYSTRKLEN)
SET WLINE = &STR(&WLINE &SYSBLKSTRK)
SET WLINE = &STR(&WLINE &SYSUNITCAP)
WRITE &WLINE

SET WLINE = &STR(PO DIR: BLKS USED UNUSED MEMBERS)
SET WLINE = &STR(&WLINE ALIAS)
WRITE &WLINE

SET WLINE = &STR(&SYSADIRBLK)
SET WLINE = &STR(&WLINE &SYSUDIRBLK)
SET WLINE = &STR(&WLINE &SYSNUDIRBLK)
SET WLINE = &STR(&WLINE &SYSMEMBERS)
SET WLINE = &STR(&WLINE &SYSMEMBERSALIAS)
WRITE &WLINE

END

END
ELSE -

WRITE --- LISTDSJ BYPASSED VALUE LISTING DUE TO RETURN CODE (&RC).

ENDIT: -
END

EXIT CODE(0)

./ ENDUP

IEB816I MEMBER NAME (CLISTDSJ) FOUND IN NM DIRECTORY. TTR IS NOW ALTERED.

IEB818I HIGHEST CONDITION CODE WAS 00000000

IEB819I END OF JOB IEBUPDTE.

```
CLISTDSJ X PRMS('Validate List type 1')
```

```
*****  
* * * VALIDATE LIST TYPE 1  
*****
```

```
CLISTDSJ 1 PRMS(''HERC01.TEST.CNTL'')
```

```
--- CLISTDSJ LIST TYPE '1'
```

```
--- LISTDSJ RC=0
```

```
00. SYSDSNAME      ='HERC01.TEST.CNTL'
```

```
01. SYSLISTDSJMSG  =''
```

```
02. SYSVOLUME      ='PUB000'
```

```
03. SYSUNIT        ='3350'
```

```
04. SYSDSORG       ='PO'
```

```
05. SYSRECFM       ='FB'
```

```
06. SYSLRECL       ='00080'
```

```
07. SYSBLKSIZE     ='19040'
```

```
08. SYSKEYLEN      ='000'
```

```
09. SYSKEYPOS      ='00000'
```

```
10. SYSSECONDS     ='0000001'
```

```
11. SYSUNITS       ='CYLINDER'
```

```
12. SYSEXTENTS     ='001'
```

```
13. SYSCREATE      ='1974-194'
```

```
14. SYSJCREATE     ='74194'
```

```
15. SYSCCREATE     ='1974-07-13'
```

```
16. SYSREFDATE     ='2019-275'
```

```
17. SYSJREFDATE    ='19275'
```

```
18. SYSCREFDATE    ='2019-10-02'
```

```
19. SYSEXDATE      ='0000-000'
```

```
20. SYSJEXDATE     ='00000'
```

```
21. SYSCEXDATE     ='0000-00-00'
```

```
22. SYSPASSWORD    ='NONE'
```

```
23. SYSRACFA       ='NONE'
```

```
24. SYSTRKSCYL     ='00030'
```

```
25. SYSTRKLEN      ='19254'
```

```
26. SYSBLKSTRK     ='00001'
```

```
27. SYSADIRBLK     ='?????'
```

```
28. SYSUDIRBLK     ='?????'
```

```
29. SYSNUDIRBLK    ='?????'
```

```
30. SYSMEMBERS     ='?????'
```

```
31. SYSMEMBERSALIAS='?????'
```

```
32. SYSREASON      ='00'
```

```
33. SYMSGGLVL1     ='SUCCESSFUL REQUEST'
```

```
34. SYMSGGLVL2     ='NORMAL COMPLETION'
```

```
35. SYSCYLVOL      ='00555'
```

```
36. SYSTRKSALLOC   ='00030'
```

```
37. SYSTRKSUSED    ='00001'
```

```
38. SYSTRKSUNUSED  ='00029'
```

```
39. SYSUNITCAP     ='000000320579100'
```

```
40. SYSNUMVOLS     ='001'
```

```
41. SYSDSCAT       ='Y'
```

```
42. SYSDSCATV      ='PUB000'
```

```
43. SYSPRIMARY     ='00001'
```

```
44. SYSUSED        ='00000'
```

```
45. SYSVOLUMES     ='PUB000'
```

```
46. SYSALLOC       ='00001'
```

END

```
CLISTDSJ X PRMS('Validate List type 2')

*****
* * * VALIDATE LIST TYPE 2
*****

CLISTDSJ 2 PRMS(''HERC01.TEST.CNTL'')
--- CLISTDSJ LIST TYPE '2'
--- LISTDSJ RC=0
SYSLISTDSJMSG='
RC='0' SYMSGLVL1='SUCCESSFUL REQUEST'
SYSREASON='00' SYMSGLVL2='NORMAL COMPLETION'
SYSDSNAME='HERC01.TEST.CNTL
SYSDSORG='P0 ' SYSRECFM='FB ' SYSLRECL='00080' SYSBLKSIZE='19040'
SYSKEYLEN='000' SYSKEYPOS='00000' SYSPASSWORD='NONE ' SYSRACFA='NONE'
SYSJCREATE='74194' SYSJEXDATE='00000' SYSJREFDATE='19275'
SYSCREATE='1974-194' SYSEXDATE='0000-000' SYSREFDATE='2019-275'
SYSCCREATE='1974-07-13' SYSCEXDATE='0000-00-00' SYSCREFDATE='2019-10-02'
SYSTRKLEN='19254' SYSBLKSTRK='00001'
SYSVOLUME='PUB000' SYSUNIT='3350 ' SYSCYLVOL='00555' SYSTRKSCYL='00030'
SYSUNITS='CYLINDER' SYSSECONDS='0000001' SYSEXTENTS='001'
SYSTRKSALLOC='00030' SYSTRKSUSED='00001' SYSTRKSUNUSED='00029'
SYSADIRBLK='?????' SYSUDIRBLK='?????' SYSNUDIRBLK='?????'
SYSMEMBERS='?????' SYSMEMBERSALIAS='?????'
SYSUNITCAP='000000320579100' SYSNUMVOLS='001' SYSDSCAT='Y' SYSDSCATV='PUB000'
SYSPRIMARY='00001' SYSUSED='00000'
SYSVOLUMES='PUB000 ' SYSALLOC='00001'
END
```



```
CLISTDSJ X PRMS('Validate List type 3')

*****
* * * VALIDATE LIST TYPE 3
*****

CLISTDSJ 3 PRMS(''HERC01.TEST.CNTL'')
--- CLISTDSJ LIST TYPE '3'
--- LISTDSJ RC=0
MSG:
RETURN CD: 0    SUCCESSFUL REQUEST
SYSREASON: 00   NORMAL COMPLETION

HERC01.TEST.CNTL
DSORG RECFM LRECL BLKSZ KEYL  RKP   PASSWORD RACF
PO    FB      00080 19040 000   00000 NONE    NONE
CREDIT 1974-07-13  EXPDT 0000-00-00  REFDT 2019-10-02    CATL: Y
      74194 1974-194    00000 0000-000    19275 2019-275    CVOL: PUB000
PUB000                                VOLS: 001
ALLOCATION:      TYPE      PRI      USED      SEC      ALLOC
              PUB000  CYLINDER 00001    00000    0000001    00001
TRACKS: TOT      USED      UNUSED  EXTENTS
              00030    00001    00029    001
DEVICE: CYLS      TRKSCYL  TRKLEN  BLKSTRK  CAPACITY
3350      00555    00030    19254    00001    000000320579100
PO DIR: BLKS      USED      UNUSED  MEMBERS  ALIAS
              ?????    ?????    ?????    ?????    ?????

END
```

```
CLISTDSJ X PRMS('Validate List type 3 with DIR option')

*****
* * * VALIDATE LIST TYPE 3 WITH DIR OPTION
*****

CLISTDSJ 3 PRMS(''HERC01.TEST.CNTL'' DIR')
--- CLISTDSJ LIST TYPE '3'
--- LISTDSJ RC=0
MSG:
RETURN CD: 0    SUCCESSFUL REQUEST
SYSREASON: 00   NORMAL COMPLETION

HERC01.TEST.CNTL
DSORG RECFM LRECL BLKSZ KEYL  RKP   PASSWORD RACF
PO    FB      00080 19040 000   00000 NONE     NONE
CREDIT 1974-07-13  EXPDT 0000-00-00  REFDT 2019-10-02    CATL: Y
      74194 1974-194    00000 0000-000    19275 2019-275    CVOL: PUB000
PUB000                                VOLS: 001
ALLOCATION:      TYPE      PRI      USED      SEC      ALLOC
      PUB000  CYLINDER 00001    00000    0000001    00001
TRACKS: TOT      USED      UNUSED  EXTENTS
      00030    00001    00029    001
DEVICE: CYLS      TRKSCYL  TRKLEN  BLKSTRK  CAPACITY
3350    00555    00030    19254    00001    000000320579100
PO DIR: BLKS      USED      UNUSED  MEMBERS  ALIAS
      00020    00001    00019    00002    00000

END
```

CLISTDSJ X PRMS('Validate with ABOUT option')

* * * VALIDATE WITH ABOUT OPTION

CLISTDSJ 1 PRMS(''HERC01.TEST.CNTL'' ABOUT')

--- CLISTDSJ LIST TYPE '1'

--- LISTDSJ RC=0

00. SYSDSNAME	= 'HERC01.TEST.CNTL'
01. SYSLISTDSJMSG	= 'LISTDSJ MVS3.8J V1.0.10 09302019 10/02/19 - 23.53'
02. SYSVOLUME	= '??????'
03. SYSUNIT	= '??????'
04. SYSDSORG	= '???'
05. SYSRECFM	= '????'
06. SYSLRECL	= '????'
07. SYSBLKSIZE	= '????'
08. SYSKEYLEN	= '??'
09. SYSKEYPOS	= '????'
10. SYSSECONDS	= '??????'
11. SYSUNITS	= '??????'
12. SYSEXTENTS	= '??'
13. SYSCREATE	= '??????'
14. SYSJCREATE	= '????'
15. SYSCCREATE	= '????????'
16. SYSREFDATE	= '??????'
17. SYSJREFDATE	= '????'
18. SYSCREFDATE	= '????????'
19. SYSEXDATE	= '??????'
20. SYSJEXDATE	= '????'
21. SYSCEXDATE	= '????????'
22. SYSPASSWORD	= '????'
23. SYSRACFA	= '????'
24. SYSTRKSCYL	= '????'
25. SYSTRKLEN	= '????'
26. SYSBLKSTRK	= '????'
27. SYSADIRBLK	= '????'
28. SYSUDIRBLK	= '????'
29. SYSNUDIRBLK	= '????'
30. SYSMEMBERS	= '????'
31. SYSMEMBERSALIAS	= '????'
32. SYSREASON	= '99'
33. SYSMGSLVL1	= 'SUCCESSFUL REQUEST'
34. SYSMGSLVL2	= 'ABOUT REQUEST, NO DSN INFO RETRIEVED'
35. SYSCYLVOL	= '????'
36. SYSTRKSALLOC	= '????'
37. SYSTRKSUSED	= '????'
38. SYSTRKSUNUSED	= '????'
39. SYSUNITCAP	= '????????????????'
40. SYSNUMVOLS	= '??'
41. SYSDSCAT	= '?'
42. SYSDSCATV	= '????'
43. SYSPRIMARY	= '????'
44. SYSUSED	= '????'
45. SYSVOLUMES	= '????????????????????????????????????'
46. SYSALLOC	= '????'

END

CLISTDSJ X PRMS('Validate as to why NOT to use PNL w CLISTDSJ')

* * * VALIDATE AS TO WHY NOT TO USE PNL W CLISTDSJ

CLISTDSJ 3 PRMS(''HERC01.TEST.CNTL'' PNL')
--- CLISTDSJ LIST TYPE '3'
--- LISTDSJ RC=0
SET WLINE = &STR(MSG: &SUBSTR(1:71,&SYSLISTDSJMSG)...)
IKJ56545I THIS STATEMENT HAS AN UNDEFINED SYMBOLIC VARIABLE
END


```
CLISTDSJ X PRMS('Validate List type 1 with FILE option')
```

```
*****  
* * * VALIDATE LIST TYPE 1 WITH FILE OPTION  
*****
```

```
CLISTDSJ 1 PRMS('SYSPROC FILE')
```

```
--- CLISTDSJ LIST TYPE '1'
```

```
--- LISTDSJ RC=0
```

```
00. SYSDSNAME      ='SYS2.CMDPROC'
```

```
01. SYSLISTDSJMSG  =''
```

```
02. SYSVOLUME      ='PUB005'
```

```
03. SYSUNIT        ='3390'
```

```
04. SYSDSORG       ='PO'
```

```
05. SYSRECFM       ='FB'
```

```
06. SYSLRECL       ='00080'
```

```
07. SYSBLKSIZE     ='19040'
```

```
08. SYSKEYLEN      ='000'
```

```
09. SYSKEYPOS      ='00000'
```

```
10. SYSSECONDS     ='0000002'
```

```
11. SYSUNITS       ='CYLINDER'
```

```
12. SYSEXTENTS     ='004'
```

```
13. SYSCREATE      ='2017-343'
```

```
14. SYSJCREATE     ='17343'
```

```
15. SYSCCREATE     ='2017-12-09'
```

```
16. SYSREFDATE     ='2019-275'
```

```
17. SYSJREFDATE    ='19275'
```

```
18. SYSCREFDATE    ='2019-10-02'
```

```
19. SYSEXDATE      ='0000-000'
```

```
20. SYSJEXDATE     ='00000'
```

```
21. SYSCEXDATE     ='0000-00-00'
```

```
22. SYSPASSWORD    ='NONE'
```

```
23. SYSRACFA       ='NONE'
```

```
24. SYSTRKSCYL     ='00015'
```

```
25. SYSTRKLEN      ='06750'
```

```
26. SYSBLKSTRK     ='00000'
```

```
27. SYSADIRBLK     ='?????'
```

```
28. SYSUDIRBLK     ='?????'
```

```
29. SYSNUDIRBLK    ='?????'
```

```
30. SYSMEMBERS     ='?????'
```

```
31. SYSMEMBERSALIAS='?????'
```

```
32. SYSREASON      ='00'
```

```
33. SYMSGGLVL1     ='SUCCESSFUL REQUEST'
```

```
34. SYMSGGLVL2     ='NORMAL COMPLETION'
```

```
35. SYSCYLVOL      ='01114'
```

```
36. SYSTRKSALLOC   ='00165'
```

```
37. SYSTRKSUSED    ='00137'
```

```
38. SYSTRKSUNUSED  ='00028'
```

```
39. SYSUNITCAP     ='000000112792500'
```

```
40. SYSNUMVOLS     ='001'
```

```
41. SYSDSCAT       ='Y'
```

```
42. SYSDSCATV      ='PUB005'
```

```
43. SYSPRIMARY     ='00011'
```

```
44. SYSUSED        ='00009'
```

```
45. SYSVOLUMES     ='PUB005'
```

```
46. SYSALLOC       ='00011'
```

END

