

J E S 2 J O B L O G

18.53.08 JOB 3104 \$HASP373 LISTDSJ1 STARTED - INIT 1 - CLASS A - SYS BSP1
18.53.08 JOB 3104 IEF403I LISTDSJ1 - STARTED - TIME=18.53.08
18.53.09 JOB 3104 IEFACTRT - Stepname Procstep Program Retcode
18.53.09 JOB 3104 LISTDSJ1 ASM IFOX00 RC= 0000
18.53.09 JOB 3104 LISTDSJ1 LKED IEWL RC= 0000
18.53.09 JOB 3104 DYNABLDL STOPPED
18.53.09 JOB 3104 LISTDSJ1 DBSTOP IEFPROC DYNABLDL RC= 0000
18.53.09 JOB 3104 DYNABLDL STARTED
18.53.09 JOB 3104 LISTDSJ1 DBSTART IEFPROC DYNABLDL RC= 0000
18.53.09 JOB 3104 LISTDSJ1 ADDHELP IEBUPDTE RC= 0000
18.53.09 JOB 3104 LISTDSJ1 ADDCLST IEBUPDTE RC= 0000
18.53.09 JOB 3104 LISTDSJ1 VALDAT1 STEP01 IKJEFT01 RC= 0000
18.53.09 JOB 3104 LISTDSJ1 VALDAT2 STEP01 IKJEFT01 RC= 0000
18.53.09 JOB 3104 LISTDSJ1 VALDAT3 STEP01 IKJEFT01 RC= 0000
18.53.09 JOB 3104 LISTDSJ1 VALDAT4 STEP01 IKJEFT01 RC= 0000
18.53.09 JOB 3104 LISTDSJ1 VALDAT5 STEP01 IKJEFT01 RC= 0000
18.53.10 JOB 3104 LISTDSJ1 VALDAT6 STEP01 IKJEFT01 RC= 0904
18.53.10 JOB 3104 LISTDSJ1 VALDAT7 STEP01 IKJEFT01 RC= 0000
18.53.10 JOB 3104 IEF404I LISTDSJ1 - ENDED - TIME=18.53.10
18.53.10 JOB 3104 \$HASP395 LISTDSJ1 ENDED

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

12 APR 20 JOB EXECUTION DATE

5,257 CARDS READ

12,017 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

0.02 MINUTES EXECUTION TIME

1 //LISTDSJ1 JOB (SYS),'Install LISTDSJ TSO',CLASS=A, JOB 3104

*** ** LENOVO2IN1: SUBMVS submitted
*** ** M:\\$myMainframe\\$submit_work\SUBMIT_LISTDSJ1_JOB12468.JCL
*** ** from source file (len=57):
*** ** m:\\$myMainframe\\$LARRY_MVS_CNTL\LISTDSJ\V1020\\$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 *
*** * - Review <--TARGET DDs 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))

*****/
*** 04/10/2020 1.0.20 Larry Belmontes Jr. */
*** - Added ALIAS LISTDSI to LKED step */
*****/

21 //SYSIN DD *
*** *-----*
*** * *
*** * If SYSn.LINKLIB or SYSn.CMDLIB is updated *

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*** *
*** -----*
22 //DBSTOP EXEC DBSTOP,
// COND.IEFPROC=(0,NE,ASM)
23 XXIEFPROC EXEC PGM=DYNABLDL,REGION=100K,PARM=P 00000001
24 //DBSTART EXEC DBSTART,
// COND.IEFPROC=(0,NE,ASM)
***
*** -----*
*** *
*** * HELP PDS Member Installation (LISTDSJ)
*** *
*** -----*
25 XXIEFPROC EXEC PGM=DYNABLDL,REGION=100K 00000001
26 //ADDHELP 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,

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//COND.STEP01=(0,NE,ASM)
42 ++BATCHTSO PROC
43 ++STEP01 EXEC PGM=IKJEFT01
44 ++SYSPROC DD DISP=SHR,DSN=SYS2.CMDPROC <--TARGET
45 ++SYSPRINT DD SYSOUT=*
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   SYS20103.T185308.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.JOB03104.S00112                        SYSOUT
IEF285I   JES2.JOB03104.S00113                        SYSOUT
IEF285I   SYS20103.T185308.RA000.LISTDSJ1.R0000001    DELETED      *-----560
IEF285I   SYS20103.T185308.RA000.LISTDSJ1.R0000002    DELETED      *-----136
IEF285I   SYS20103.T185308.RA000.LISTDSJ1.R0000003    DELETED      *-----80
IEF285I   JES2.JOB03104.SI0101                        SYSIN
IEF373I STEP /ASM      / START 20103.1853
IEF374I STEP /ASM      / STOP 20103.1853 CPU      0MIN 00.66SEC SRB      0MIN 00.04SEC VIRT    768K SYS    420K
*****
*      1. Jobstep of job: LISTDSJ1      Stepname: ASM      Program name: IFOX00      Executed on 12.04.20 from 18.53.08 to 18.53.09 *
*      elapsed time 24:00:00,77      CPU-Identifler:  BSP1      Page-in:      0      *
*      CPU time 00:00:00,70      Virtual Storage used: 768K      Page-out:      0      *
*      corr. CPU: 00:00:00,70      CPU time has been corrected by 1 / 1,0 multiplier *
*
*      I/O Operation *
*      Number of records read via DD * or DD DATA: 4653 *
*      FFF.....22 148.....102 248.....38 148.....0 DMY.....0 DMY.....0 DMY.....0 FFF.....560 FFF.....136 FFF.....80 *
*      DMY.....0 *
*
*      Charge for step (w/o SYSOUT): 1,16 *
*****
IEF236I ALLOC. FOR LISTDSJ1 LKED
IEF237I VIO  ALLOCATED TO SYSLIN
IEF237I JES2 ALLOCATED TO
IEF237I 195  ALLOCATED TO SYSLIB
IEF237I 197  ALLOCATED TO SYSLMOD
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I VIO  ALLOCATED TO SYSUT1
IEF142I LISTDSJ1 LKED - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS20103.T185308.RA000.LISTDSJ1.LOADSET      DELETED      *-----23
IEF285I   JES2.JOB03104.SI0102                        SYSIN
IEF285I   ISP.V2R0M0.LLIB                                KEPT          *-----0
IEF285I   VOL SER NOS= PUB005.
IEF285I   SYS2.CMDLIB                                KEPT          *-----12
IEF285I   VOL SER NOS= PUB007.
IEF285I   JES2.JOB03104.S00114                        SYSOUT
IEF285I   SYS20103.T185308.RA000.LISTDSJ1.R0000004    DELETED      *-----0
IEF373I STEP /LKED      / START 20103.1853
IEF374I STEP /LKED      / STOP 20103.1853 CPU      0MIN 00.01SEC SRB      0MIN 00.00SEC VIRT    260K SYS    252K
*****
*      2. Jobstep of job: LISTDSJ1      Stepname: LKED      Program name: IEWL      Executed on 12.04.20 from 18.53.09 to 18.53.09 *
*      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: 2 *
* FFF.....23 DMY.....0 195.....0 197.....12 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 20103.1853
IEF374I STEP /IEFPROC / STOP 20103.1853 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 20103.1853
IEF374I STEP /IEFPROC / STOP 20103.1853 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.JOB03104.S00115 SYSOUT
IEF285I SYS2.HELP KEPT *-----4
IEF285I VOL SER NOS= PUB000.
IEF285I JES2.JOB03104.SI0103 SYSIN
IEF373I STEP /ADDHELP / START 20103.1853
IEF374I STEP /ADDHELP / STOP 20103.1853 CPU 0MIN 00.01SEC SRB 0MIN 00.00SEC VIRT 48K SYS 196K
*****
* 5. Jobstep of job: LISTDSJ1 Stepname: ADDHELP Program name: IEBUPDTE Executed on 12.04.20 from 18.53.09 to 18.53.09 *
* 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.JOB03104.S00116 SYSOUT
IEF285I SYS2.CMDPROC KEPT *-----5
IEF285I VOL SER NOS= PUB005.
IEF285I JES2.JOB03104.SI0104 SYSIN
IEF373I STEP /ADDCLST / START 20103.1853
IEF374I STEP /ADDCLST / STOP 20103.1853 CPU 0MIN 00.01SEC SRB 0MIN 00.00SEC VIRT 48K SYS 196K
*****
* 6. Jobstep of job: LISTDSJ1 Stepname: ADDCLST Program name: IEBUPDTE Executed on 12.04.20 from 18.53.09 to 18.53.09 *
* 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.JOB03104.S00117      SYSOUT
IEF285I   JES2.JOB03104.S00118      SYSOUT
IEF285I   JES2.JOB03104.SI0105      SYSIN
IEF285I   SYS1.UCAT.TSO            KEPT          *-----0
IEF285I   VOL SER NOS= PUB000.
IEF373I STEP /STEP01 / START 20103.1853
IEF374I STEP /STEP01 / STOP  20103.1853 CPU      0MIN 00.11SEC SRB      0MIN 00.00SEC VIRT   116K SYS   268K
*****
*      7. Jobstep of job: LISTDSJ1      Stepname: STEP01      Program name: IKJEFT01      Executed on 12.04.20 from 18.53.09 to 18.53.09 *
*      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.JOB03104.S00119      SYSOUT
IEF285I   JES2.JOB03104.S00120      SYSOUT
IEF285I   JES2.JOB03104.SI0106      SYSIN
IEF285I   SYS1.UCAT.TSO            KEPT          *-----0
IEF285I   VOL SER NOS= PUB000.
IEF373I STEP /STEP01 / START 20103.1853
IEF374I STEP /STEP01 / STOP  20103.1853 CPU      0MIN 00.11SEC SRB      0MIN 00.00SEC VIRT   116K SYS   268K
*****
*      8. Jobstep of job: LISTDSJ1      Stepname: STEP01      Program name: IKJEFT01      Executed on 12.04.20 from 18.53.09 to 18.53.09 *
*      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.....0 240.....0 *
*
*      Charge for step (w/o SYSOUT):      0,18 *
*****
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.JOB03104.S00121      SYSOUT
IEF285I   JES2.JOB03104.S00122      SYSOUT
IEF285I   JES2.JOB03104.SI0107      SYSIN
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IEF285I  SYS1.UCAT.TSO
IEF285I  VOL SER NOS= PUB000.
IEF373I  STEP /STEP01 / START 20103.1853
IEF374I  STEP /STEP01 / STOP 20103.1853 CPU    0MIN 00.12SEC SRB    0MIN 00.00SEC VIRT   116K SYS   268K
*****
*      9. Jobstep of job: LISTDSJ1      Stepname: STEP01      Program name: IKJEFT01      Executed on 12.04.20 from 18.53.09 to 18.53.09 *
*      elapsed time 24:00:00,14          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.JOB03104.S00123      SYSOUT
IEF285I  JES2.JOB03104.S00124      SYSOUT
IEF285I  JES2.JOB03104.SI0108      SYSIN
IEF285I  SYS1.UCAT.TSO      KEPT      *-----0
IEF285I  VOL SER NOS= PUB000.
IEF373I  STEP /STEP01 / START 20103.1853
IEF374I  STEP /STEP01 / STOP 20103.1853 CPU    0MIN 00.14SEC SRB    0MIN 00.00SEC VIRT   116K SYS   268K
*****
*      10. Jobstep of job: LISTDSJ1      Stepname: STEP01      Program name: IKJEFT01      Executed on 12.04.20 from 18.53.09 to 18.53.09 *
*      elapsed time 24:00:00,14          CPU-Identifier:  BSP1          Page-in:      0          *
*      CPU time    00:00:00,14          Virtual Storage used:   116K      Page-out:      0          *
*      corr. CPU:   00:00:00,14      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):      0,23
*****
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.JOB03104.S00125      SYSOUT
IEF285I  JES2.JOB03104.S00126      SYSOUT
IEF285I  JES2.JOB03104.SI0109      SYSIN
IEF373I  STEP /STEP01 / START 20103.1853
IEF374I  STEP /STEP01 / STOP 20103.1853 CPU    0MIN 00.10SEC SRB    0MIN 00.00SEC VIRT   116K SYS   252K
*****
*      11. Jobstep of job: LISTDSJ1      Stepname: STEP01      Program name: IKJEFT01      Executed on 12.04.20 from 18.53.09 to 18.53.09 *
*      elapsed time 24:00:00,11          CPU-Identifier:  BSP1          Page-in:      0          *
*      CPU time    00:00:00,10          Virtual Storage used:   116K      Page-out:      0          *
*      corr. CPU:   00:00:00,10      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 DMY.....0 *
*
* Charge for step (w/o SYSOUT):      0,16 *
*****
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.JOB03104.S00127      SYSOUT
IEF285I  JES2.JOB03104.S00128      SYSOUT
IEF285I  JES2.JOB03104.SI0110      SYSIN
IEF285I  SYS1.UCAT.TSO            KEPT          *-----0
IEF285I  VOL SER NOS= PUB000.
IEF373I STEP /STEP01 / START 20103.1853
IEF374I STEP /STEP01 / STOP  20103.1853 CPU      0MIN 00.11SEC SRB      0MIN 00.00SEC VIRT  116K SYS  272K
*****
* 12. Jobstep of job: LISTDSJ1      Stepname: STEP01      Program name: IKJEFT01      Executed on 12.04.20 from 18.53.09 to 18.53.10 *
*      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.....0 240.....0 *
*
* Charge for step (w/o SYSOUT):      0,18 *
*****
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.JOB03104.S00129      SYSOUT
IEF285I  JES2.JOB03104.S00130      SYSOUT
IEF285I  JES2.JOB03104.SI0111      SYSIN
IEF373I STEP /STEP01 / START 20103.1853
IEF374I STEP /STEP01 / STOP  20103.1853 CPU      0MIN 00.10SEC SRB      0MIN 00.00SEC VIRT  116K SYS  252K
*****
* 13. Jobstep of job: LISTDSJ1      Stepname: STEP01      Program name: IKJEFT01      Executed on 12.04.20 from 18.53.10 to 18.53.10 *
*      elapsed time 24:00:00,11      CPU-Identifier:  BSP1      Page-in:      0 *
*      CPU time    00:00:00,10      Virtual Storage used:  116K      Page-out:      0 *
*      corr. CPU:   00:00:00,10      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 DMY.....0 *
*
* Charge for step (w/o SYSOUT):      0,16 *
*****
IEF375I JOB /LISTDSJ1/ START 20103.1853
IEF376I JOB /LISTDSJ1/ STOP  20103.1853 CPU      0MIN 01.48SEC SRB      0MIN 00.04SEC
```


SYMBOL	TYPE	ID	ADDR	LENGTH	LDID	ASM 0201 18.53 04/12/20
LISTDSJ	SD	0001	000000	002CD8		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	18.53	04/12/20
-----	--------	------	-------	-------	------	--------	-----------	-----	------	-------	----------

```
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 *         Copyright (C) 2019-2020  Larry Belmontes, Jr.
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 18.53 04/12/20
-----	-------------	-------	-------	------	------------------	-------------------------

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 18.53 04/12/20
-----	--------	------	-------	-------	------	------------------	-------------------------

					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 18.53 04/12/20
-----	-------------	-------	-------	------	------------------	-------------------------

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 18.53 04/12/20
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 18.53 04/12/20
					189 *		PDS directory list includes ISPF statistics, if available. LB1010h	
					190 *			

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
-----	-------------	-------	-------	------	------------------	-------------------------

				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 18.53 04/12/20

223 * Table 1 - Program Register Usage

224 *

225 *

226 *

227 *

228 *

229 *

230 *

231 *

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233 *

234 *

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241 *

242 *

243 *

244 *

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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

253	*	Table 2 - Return Codes	
254	*		
255	*	+-----+	-----+
256	*	RETURN	
257	*	CODE	DESCRIPTION
258	*	+-----+	-----+
259	*	00	Successful Request
260	*	+-----+	-----+
261	*	04	Some dataset information is unavailable. All variable
262	*		values are valid except for those with question marks
263	*		(?) which could not resolved or not valid for request.
264	*	+-----+	-----+
265	*	16	Severe error occurred.
266	*		None of the variables values are valid.
267	*	+-----+	-----+
268	*	4004-	Parm not supplied to LISTDSJ
269	*	4005	None of the variables values are valid.
270	*		Program terminated.
271	*	+-----+	-----+
272	*	4008-	CPPL error no variables found
273	*	4010	None of the variables values are valid.
274	*		Program terminated.
275	*	+-----+	-----+
276	*	4097	Program cannot link to TSO dynamic allocation interface
277	*		Program terminated.
278	*	+-----+	-----+
279	*	4098	Program cannot link to CLIST variable processing API
280	*		Program terminated.
281	*	+-----+	-----+
282	*	4099	Program not executing under TSO
283	*		Program terminated.
284	*	+-----+	-----+
285	*	Note: -Symbolic Variable &LASTCC contains LISTDSJ return code	
286	*	-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	SYSMSGVL1	First-level message
307	*			See RETURN CODE table, Table 2
308	*			column DESCRIPTION
309	*	+---+	-----+	-----+
310	*	04	SYSMSGVL2	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	

Table 3 - CLIST Variables (continued)				
389	*			
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	*	+	---	+

		Table 3 - CLIST Variables (continued)			
437	*				
438	*				
439	*	+--+-----+-----+			
440	*	S#	CLIST VARIABLE	CONTENT	
441	*	+--+-----+-----+			
442	*	34	SYSSTRKLEN	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	SYSREFDATE	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	SYSDESCAT	Dataset catalog indication (Y/N)	
471	*			Y Dataset is cataloged	
472	*			N Dataset is not cataloged	
473	*	+--+-----+-----+			

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.
493 *	+--+	-----	+-----
494 *			

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 18.53 04/12/20

496 * Table 4 - REASON CODES Table

497 *

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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 18.53 04/12/20

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 18.53 04/12/20

```

583 *   Change History: <CHGHIST>
584 *   =====
585 *
586 *   MM/DD/CCYY Version  Name / Description
587 *   -----
588 *   04/10/2020  1.0.20  Larry Belmontes Jr.          LB1020a
589 *               - Correct TSB addr for TSO ENV testing    LB1020a
590 *               LB1020a
591 *   09/30/2019  1.0.10  Larry Belmontes Jr.          LB1010a
592 *               - Add comments for DF and DS keywords      LB1010a
593 *               regarding customizing default values at    LB1010a
594 *               time of installation                        LB1001a
595 *               - Add keywords DIRECTORY and VOLUME.        LB1010b
596 *               Associated abbreviated keywords remain      LB1010b
597 *               unchanged, DIR and VOL.                     LB1010b
598 *               - Changed list of values for &SYSUNITS       LB1010c
599 *               instead of abbreviations                    LB1010c
600 *               CYLINDER, TRACK, BLOCK, ABSOLUTE           LB1010c
601 *               - Support new variable, &SYSALLOC,          LB1010d
602 *               allocation in space units                   LB1010d
603 *               - VALLOC   DC   C'SYSALLOC'                 LB1010d
604 *               - Support USERID prefix for DSN when        LB1010e
605 *               unquoted dataset name is provided          LB1010e
606 *               - Changed date seperator and format defaults LB1010f
607 *               - Date Separator to dash   (-)              LB1010f
608 *               - Date Format to CCYY_MM_DD (3)              LB1010f
609 *               - Support FILE keyword to provide DDNAME     LB1010g
610 *               in place of dataset name                    LB1010g
611 *               - Support DL0 and DL1 keywords to provide a  LB1010h
612 *               PDS directory list including ISPF stats (if  LB1010h
613 *               available) in a ISPF table.  ISPF must be    LB1010h
614 *               available to MVS38J to use this feature.      LB1010h
615 *               DL0 creates ISPF table named DIRLST0          LB1010h
616 *               DL1 creates ISPF table named DIRLST1          LB1010h
617 *               - Enhance calling of IKJCT441 and ISPLINK    LB1010i
618 *               LB1010a
619 *   05/17/2019  1.0.01  Larry Belmontes Jr.          LB1001a
620 *               - Add DS (Date Separator) keyword to support LB1001a
621 *               dash, period, and slash date separators      LB1001a
622 *               - Default can be customized before installing LB1010a
623 *               see variable DATESEP                         LB1010a
624 *               - Add DF (Date Format layout) keyword to support LB1001b
625 *               the following layouts:                       LB1001b
626 *               MM_DD_CCYY                                   LB1001b
627 *               DD_MM_CCYY                                   LB1001b
628 *               CCYY_MM_DD                                   LB1001b
629 *               CCYY_DD_MM                                   LB1001b
630 *               - Default can be customized before installing LB1010a
631 *               see variable DATEFMT                         LB1010a
632 *               LB1001a
633 *   04/29/2019  1.0.00  Larry Belmontes Jr.
634 *               - Initial version released to MVS 3.8J
635 *               hobbyist public domain
636 *
637 *   04/28/2019  0.5.10  Larry Belmontes Jr.

```

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				638 *	- Enhance keyword detection by checking for	
				639 *	a delimiter (blank) after keyword	
				640 *	- KDIR EQU *	
				641 *	- KPNL EQU *	
				642 *	- KABOUT EQU *	
				643 *		
				644 *	04/26/2019 0.5.00 Larry Belmontes Jr.	
				645 *	- Support parms: DSN VOL() DIR PNL ABOUT	
				646 *	- Add ABOUT parm processing	
				647 *	- Enhance space used routine	
				648 *	- SPCUSED EQU *	
				649 *	- Support volumes list for multi-volume DSN	
				650 *	(limited to 5 intentionally)	
				651 *	- VVOLLST DC C'SYSVOLUMES'	
				652 *		
				653 *	02/21/2019 0.4.00 Larry Belmontes Jr.	
				654 *	- Support parms: DSN VOL() DIR PNL	
				655 *	- Add PNL parm processing	
				656 *	- Enhance DSORG table processing	
				657 *	- Support primary allocations	
				658 *	- VPSPCAL DC C'SYSPRIMARY'	
				659 *	- VPSPCUS DC C'SYSUSED'	
				660 *	- Add TSO session messages for certain errors	
				661 *	using a message prefix	
				662 *	- 'LISTDSJ nnnn - error...'	
				663 *		
				664 *	01/08/2019 0.3.00 Larry Belmontes Jr.	
				665 *	- Enhance device table search	
				666 *	- Enhance symbolic variable processing	
				667 *		
				668 *	01/26/2019 0.3.10 Larry Belmontes Jr.	
				669 *	- Add error processing	
				670 *	- ERR97	
				671 *	- ERR99	
				672 *	- Add Y2k Window value as a variable	
				673 *	- Y2KWIN DC F'70'	
				674 *		
				675 *	12/22/2018 0.2.00 Larry Belmontes Jr.	
				676 *	- Support parms: DSN VOL() DIR	
				677 *	- Add DIR parm processing	
				678 *	- Support catalog variables	
				679 *	- VDSCAT DC C'SYSDSCAT'	
				680 *	- VDSCATV DC C'SYSDSCATV'	
				681 *	- VNUMVOL DC C'SYSNUMVOLS'	
				682 *	- catalog / not cataloged	
				683 *	- single volume / multi volume	
				684 *	- Support reason code processing	
				685 *	- VRSCODE DC C'SYSREASON'	
				686 *	- VMSSL1 DC C'SYSMSGVL1'	
				687 *	- VMSSL2 DC C'SYSMSGVL2'	
				688 *	- Support DSCB F-1 dataset attributes	
				689 *	- VKEYP DC C'SYSKEYPOS'	
				690 *	- Support additional file date format CLIST	
				691 *	variables	
				692 *	- VCREDITJ DC C'SYSJCREATE'	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
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					693 *	- VEXPDTJ DC C'SYSJEXDATE'	
					694 *	- VREFDTJ DC C'SYSJREFDATE'	
					695 *	- VCREDTC DC C'SYSCCREATE'	
					696 *	- VEXPDT DC C'SYSCEXDATE'	
					697 *	- VREFDTC DC C'SYSCREFDATE'	
					698 *	- Check for presence of DSCB F-2 ISAM	
					699 *	vtoc record	
					700 *	- Support DSCB F-3 dataset extents	
					701 *	- Support DSCB F-4 volume device	
					702 *	characteristics	
					703 *	- VCCVOL DC C'SYSCYLVOL'	
					704 *	- VTTCC DC C'SYSTRKSCYL'	
					705 *	- VTRKLEN DC C'SYSTRKLEN'	
					706 *	- VBLKTRK DC C'SYSBLKSTRK'	
					707 *	- VUNITCAP DC C'SYSUNITCAP'	
					708 *	- Compute total space allocation in tracks	
					709 *	and cylinders by summarizing extent info	
					710 *	in F-1 and F-3 DSCBs	
					711 *	- VTKAL DC C'SYSTRKSALLOC'	
					712 *	- VTKUS DC C'SYSTRKSUSED'	
					713 *	- VTKUUS DC C'SYSTRKSUNUSED'	
					714 *	- Enhance message communication via new CLIST	
					715 *	variable	
					716 *	- VJMSG DC C'SYSLISTDSJMSG'	
					717 *	- Add DAIR processing for PDS Directory	
					718 *	- Support PDS directory information	
					719 *	- VMEMS DC C'SYSMEMBERS'	
					720 *	- VALIAS DC C'SYSMEMBERSALIAS'	
					721 *	- VDIRBKSU DC C'SYSUDIRBLK'	
					722 *	- VDIRBKSN DC C'SYSNUDIRBLK'	
					723 *	- VDIRBKSA DC C'SYSADIRBLK'	
					724 *		
					725 *	11/25/2018 0.1.00 Larry Belmontes Jr.	
					726 *	- Support parms: DSN	
					727 *	- Add DSN parm processing	
					728 *	- Support basic catalog checks for DSN:	
					729 *	- catalog / not cataloged	
					730 *	- single volume / multi volume	
					731 *	- Support reason code processing	
					732 *	- VRSCODE DC C'SYSREASON'	
					733 *	- VMSSL1 DC C'SYSMSGVL1'	
					734 *	- VMSSL2 DC C'SYSMSGVL2'	
					735 *	- Support DSCB F-1 dataset attributes	
					736 *	- VVOL DC C'SYSVOLUME'	
					737 *	- VLRECL DC C'SYSLRECL'	
					738 *	- VBLKSZ DC C'SYSBLKSIZE'	
					739 *	- VKEYL DC C'SYSKEYLEN'	
					740 *	- VDSORG DC C'SYSDSORG'	
					741 *	- VRECFM DC C'SYSRECFM'	
					742 *	- VCREDIT DC C'SYSCREATE'	
					743 *	- VEXPDT DC C'SYSEXDATE'	
					744 *	- VREFDT DC C'SYSREFDATE'	
					745 *	- VPASSWD DC C'SYSPASSWORD'	
					746 *	- VRACF DC C'SYSRACFA'	
					747 *	- VSSPC DC C'SYSUNITS'	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
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					748	*	- VSSPCNM DC C'SYSSECONDS'	
					749	*	- VUNIT DC C'SYSUNIT'	
					750	*	- VEXTS DC C'SYSEXTENTS'	
					751	*		
					752	*	11/18/2018 0.0.00 Larry Belmontes Jr.	
					753	*	- Simple prototype	
					754	*	- Return code processing via R15 (&LASTCC TSO)	
					755	*	- Support parms: DSN	
					756	*	- Echo parm to clist variable	
					757	*	- VDSN DC C'SYSDSNAME'	
					758	*		
					759	*		

761	*	Potential Enhancements: <ENHMNTS>
762	*	=====
763	*	
764	*	01) Add ability to detect 31-bit addressing and execute ATL
765	*	for MVS 380
766	*	
767	*	
768	*	
769	*	
770	*	
771	*	
772	*	
773	*	
774	*	
775	*	
776	*	
777	*	* * * * *

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
000000					779	LISTDSJ	CSECT	
				00000	780		USING LISTDSJ,R10,R11,R12 my BASE REGISTER(S)	
					781		PRINT NOGEN	
					782	*	*	
					783	*	/* *****	
					784	*	/* Save regs and declare base registers R10,R11,R12	*/
					785	*	/* including saving R1 (PARMS) in R2	*/
					786	*	/* - R1 myPARMS address on entry	*/
					787	*	/* - R15 myENTRY address on entry	*/
					788	*	/* *****	*/
000000	90EC	D00C	0000C		789	STM	R14,R12,12(R13)	Save calling program registers
000004	18AF				790	LR	R10,R15	Load base1 w R15
000006	41BA	0FFF	00FFF		791	LA	R11,4095(R10)	Load base2 (R11) w/ offset
00000A	41BB	0001	00001		792	LA	R11,1(R11)	Adjust base2
00000E	41CB	0FFF	00FFF		793	LA	R12,4095(R11)	Load base3 (R12) w/ offset
000012	41CC	0001	00001		794	LA	R12,1(R12)	Adjust base3
000016	18FD				795	LR	R15,R13	Save callers registers
000018	1821				796	LR	R2,R1	Save PARM addr
					797	*	*	
					798	*	/* *****	*/
					799	*	/* Program Eyecatcher	*/
					800	*	/* *****	*/
00001A	47F0	A0AE	000AE		801	B	OVRSTAMP	Branch past eye-catcher
				0001E	802	MYSTAMP	EQU *	
00001E	D3C9E2E3C4E2D140				803	PGMID	DC CL8'LISTDSJ '	My Program STAMP
000026	D4E5E2F34BF8D140				804		DC CL8'MVS3.8J '	OS
00002E	E5F14BF04BF2F040				805		DC CL8'V1.0.20 '	.Version LB1020
000036	F0F4F1F0F2F0F2F0				806		DC CL8'04102020'	..date MMDDCCYY LB1020
00003E	40				807		DC CL1' '	
					808	PGMDS	DC CL8'&SYSDATE'	Assemble Date
000047	406040				810		DC CL3' - '	.and
					811	PGMTS	DC CL8'&SYSTIME'	..Time
000052	C39697A899898788				813		DC C'Copyright (C) 2019-2020 '	LB1020
00006A	D3819999A840C285				814		DC C'Larry Belmontes, Jr. '	LB1020
00007F	88A3A397A27A6161				815		DC C'https://ShareABitofIT.net/LISTDSJ-for-MVS-3-8J'	LB1020
			0008F		816	MYSTAMPL	EQU *-MYSTAMP	
0000AE					817	OVRSTAMP	DS 0H	
					818	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					820 *	*	/* *****/	
					821 *	*	/* GETMAIN, working storage, using R9 */	
					822 *	*	/* - R0 Working register */	
					823 *	*	/* - R1 Working register (GETMAIN address) */	
					824 *	*	/* - R9 Working Storage DSECT address */	
					825 *	*	/* *****/	
0000AE	4100	0918	00918		826		LA R0,WSAREAL R0 = size of Workarea DSECT	
					827		GETMAIN R, LV=(R0) Get Storage, R1 = addr of storage	
0000BA	12FF				831		LTR R15,R15 Did we get the storage?	LB1020
0000BC	4770	B564	01564		832		BNZ NOMAINS NO, return with rc in R15	LB1020
0000C0	1891				833		LR R9,R1 R9 = Workarea DSECT Register	
			00000		834		USING WSDSECT,R9 Tell Assembler	
					835 *	*	/* *****/	
					836 *	*	/* *****/	
					837 *	*	/* Update Save Areas for caller and calling programs */	
					838 *	*	/* - R1 myPARMS address on entry (restored) */	
					839 *	*	/* *****/	
0000C2	18FD				840		LR R15,R13 Save callers savearea addr	
0000C4	41D0	9000	00000		841		LA R13,SAVEAREA Load Addr of my savearea	
0000C8	50F0	D004	00004		842		ST R15,4(,R13) Chain callers to my savearea	
0000CC	50D0	F008	00008		843		ST R13,8(,R15) Chain my savearea to callers	
0000D0	1812				844		LR R1,R2 Restore R1 as PARM addr	
					845 *	*	/* *****/	LB1010i
					846 *	*	/* *****/	LB1010i
					847 *	*	/* Load IKJCT441 Entry Point */	LB1010i
					848 *	*	/* - R0, R1 Working Register */	LB1010i
					849 *	*	/* *****/	LB1010i
					850		LOAD EP=IKJCT441,ERRET=ERR4098	LB1010i
0000F4	5000	9048	00048		860		ST R0,IKJCT441 Load and Save IKJCT441 Entry Point	LB1010i
0000F8	1812				861		LR R1,R2 Restore R1 as PARM addr	LB1010i
					862 *	*	/* *****/	
					863 *	*	/* *****/	
					864 *	*	/* Initialize IKJCT441 Parm List area */	
					865 *	*	/* - R0 Working Register */	
					866 *	*	/* *****/	
0000FA	4100	C1DC	021DC		867		LA R0,ECUPDT Entry Code	
0000FE	5000	904C	0004C		868		ST R0,CT441P1	
000102	4100	9064	00064		869		LA R0,NAMP1 Name Pointer	
000106	5000	9050	00050		870		ST R0,CT441P2	
00010A	4100	9068	00068		871		LA R0,NAML1 Name Length	
00010E	5000	9054	00054		872		ST R0,CT441P3	
000112	4100	906C	0006C		873		LA R0,VALP1 Var Pointer	
000116	5000	9058	00058		874		ST R0,CT441P4	
00011A	4100	9070	00070		875		LA R0,VALL1 Var Length	
00011E	5000	905C	0005C		876		ST R0,CT441P5	
000122	4100	C1E0	021E0		877		LA R0,TOKEN Token	
000126	5000	9060	00060		878		ST R0,CT441P6	
00012A	9280	9060	00060		879		MVI CT441P6,B'10000000' Last Parm designation	
					880 *	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	18.53	04/12/20
					882	*	*/*****				
					883	*	/* Check if we are running under TS0				
					884	*	/* - R0 Working Register				
					885	*	/* -JMSG'LISTDSJ 4099 -Must run under TS0'				
					886	*	*/*****				
					887	*					
00012E	5800	0224	00224		888		L R0,PSAA0LD-PSA(0) R0=ASCB Address				LB1020a
000132	5800	003C	0003C		889		L R0,ASCBTSB-ASCB(R0) R0=ASCBTSB Address				
000136	1200				890		LTR R0,R0 If 0, program not under TS0				
000138	4780	B714	01714		891		BZ ERR4099 ..error, not under TS0!				
					892	*	*/*****				
					893	*	*/*****				
					894	*	/* Initialize CLIST Symbol data area				
					895	*	/* - R3, R4 Working Register				
					896	*	*/*****				
00013C	4130	908E	0008E		897		LA R3,DSYMS Addr of symbolic data area				
000140	4140	01FF	001FF		898		LA R4,DSYMSL Len of symbolic data area				
				00144	899	INITSYMA	EQU *				
000144	926F	3000	00000		900		MVI 0(R3),C'?' Populate with '?'				
000148	4133	0001	00001		901		LA R3,1(R3) Bump to next byte				
00014C	4640	A144	00144		902		BCT R4,INITSYMA				
					903	*	*/*****				
					904	*	*/*****				
					905	*	/* Initialize RC and Reason Code				
					906	*	*/*****				
000150	D201	936A	C120	0036A	02120	907	MVC RC,=C'00' Zero Return Code				
000156	D203	933C	C0C0	0033C	020C0	908	MVC RCEXIT,=F'0' Zero Return Code R15				
					909	*	/* #Data source: 02 SYSREASON set throughout program */				
00015C	D201	911E	C120	0011E	02120	910	MVC DRSNCODE,=C'00' Zero Reason Code				
					911	*	*/*****				
					912	*	*/*****				
					913	*	/* Initialize - OTHER				
					914	*	*/*****				
000162	D703	96EC	96EC	006EC	006EC	915	XC MYECB,MYECB				
					916	*	/* #Data source: 01 SYSLISTDSJMSG set throughout program*/				
000168	9240	90BA	000BA		917		MVI DJMSG,C' '				
00016C	D262	90BB	90BA	000BB	000BA	918	MVC DJMSG+1(L'DJMSG-1),DJMSG				
					919	*					

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					921	*	*/*****	*/
					922	*	/* Get PARAMETER information passed to program	*/
					923	*	/* - R1 myPARMS address on entry	*/
					924	*	/* - R4 Starting parms address	*/
					925	*	/* - R6 Parm Length	*/
					926	*	/* - R3, R4, R5 Working Register	*/
					927	*	/* -ReasonCode 29 Dataset name must be specified	*/
					928	*	/* -JMSG'LISTDSJ 4004 -PARM Not supplied'	*/
					929	*	/* -JMSG'LISTDSJ 4005 -PARM Not supplied'	*/
					930	*	/* -JMSG'LISTDSJ 4008 -CPPL No variables'	*/
					931	*	/* -JMSG'LISTDSJ 4009 -CPPL No variables'	*/
					932	*	/* -JMSG'LISTDSJ 4010 -CPPL No variables'	*/
					933	*	*/*****	*/
				00172	934	PARMS	EQU *	We have a parm...
000172	1211				935		LTR R1,R1	Do I have a PARM?
000174	4780	B60C	0160C		936		BZ ERR4005	NO, EXIT with RC = 4005
000178	1831				937		LR R3,R1	YES, R3=PARM/CPPL addr
00017A	9180	3000	00000		938		TM 0(R3),X'80'	Is it PARM or CPPL addr?
00017E	4780	A198	00198		939		BZ CPPLIN	YES, CPPL addr
				00182	940	PARMIN	EQU *	NO, must be PARM addr
000182	5840	3000	00000		941		L R4,0(,R3)	R4=Addr of PARM
000186	4860	4000	00000		942		LH R6,0(,R4)	R6=Length of PARM
00018A	1266				943		LTR R6,R6	PARM > 0 length?
00018C	4780	B5DE	015DE		944		BZ ERR4004	NO, EXIT with RC = 4004
000190	4140	4002	00002		945		LA R4,2(,R4)	YES, R4=point to start of PARM data
000194	47F0	A1C0	001C0		946		B PARMSXT	and continue...
				00198	947	CPPLIN	EQU *	
000198	5030	96E8	006E8		948		ST R3,MYCPPLP	Store CPPL Address
00019C	5840	3000	00000		949		L R4,0(,R3)	R4=Command Buffer addr
0001A0	4850	4002	00002		950		LH R5,2(,R4)	R5=Offset to Command Variables
0001A4	1255				951		LTR R5,R5	Any Variables?
0001A6	4780	B638	01638		952		BZ ERR4008	NO, EXIT with RC = 4008
0001AA	4860	4000	00000		953		LH R6,0(,R4)	YES, R6=Length of Command Buffer
0001AE	1B65				954		SR R6,R5	Subtract variable offset
0001B0	4B60	C122	02122		955		SH R6,=H'4'	Subtract prefix
0001B4	4780	B664	01664		956		BE ERR4009	EXIT with RC = 4009 IF NO VARIABLES
0001B8	4740	B690	01690		957		BM ERR4010	EXIT with RC = 4010 IF NO VARIABLES
0001BC	4144	5004	00004		958		LA R4,4(R4,R5)	R4=Point to variables start addr
					959	*		
				001C0	960	PARMSXT	EQU *	We have a parm...
					961	*		
					962	*	*/*****	*/
					963	*	/* Uppercase translation of PARMIN	*/
					964	*	/* - R4 Starting parms address	*/
					965	*	/* - R6 Parm Length	*/
					966	*	/* - R8, R4, R5 Working Register	*/
					967	*	*/*****	*/
				001C0	968	CAP#EM	EQU *	
0001C0	1886				969		LR R8,R6	R8=Parm Length
0001C2	0680				970		BCTR R8,0	Adjust length for OC
0001C4	4480	A1CC	001CC		971		EX R8,UPPERC	Execute Uppercase translation
0001C8	47F0	A1D2	001D2		972		B UPPERCX	
0001CC	D600	4000	BF78	00000	973	UPPERC	OC 0(0,R4),=256X'40'	EBCDIC Lower-Upper Case Translate
				001D2	974	UPPERCX	EQU *	
					975	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	18.53	04/12/20
					977	*	*/*****				
					978	*	/* Scan parm list				
					979	*	*/*****				
			001D2		980	PARMSCAN	EQU *				
					981	*	*				
					982	*	/*-----				
					983	*	/* Initialize parm switches / variables				
					984	*	/* - R7, R8 Working Register				
					985	*	/*-----				
0001D2	9240	9376		00376	986		MVI PDSN,C' '	Clear DSN			
0001D6	D22A	9377	9376	00377	00376	987		MVC PDSN+1(L'PDSN-1),PDSN			
0001DC	92D5	93A9		003A9	988		MVI PDIR,C'N'	DIR request - init to NO			
0001E0	92D5	93AA		003AA	989		MVI PPNL,C'N'	PNL request - init to NO			
0001E4	92D5	93AB		003AB	990		MVI PABOUT,C'N'	ABOUT request - init to NO			
0001E8	92D5	93A8		003A8	991		MVI PVOL,C'N'	VOLUME specified - init to NO			
0001EC	92D5	93AC		003AC	992		MVI PFILE,C'N'	FILE request - init to NO			LB1010g
0001F0	92D5	987C		0087C	993		MVI ALLOCPO,C'N'	PDS Allocated Flag init to NO			LB1010h
0001F4	92D5	93AD		003AD	994		MVI PDL,C'N'	DLn request init to NO			LB1010h
0001F8	D207	92B6	C078	002B6	02078	995		MVC TBN,=C'DIRLST '	Table Name - Init		LB1010h
					996	*					LB1010a
					997	***	MVI DATESEP,C'-'	Date Separator - Dash			LB1010a
					998	***	MVI DATESEP,C'/'	Date Separator / Slash			LB1010a
					999	***	MVI DATESEP,C'.'	Date Separator . Period			LB1010a
0001FE	9260	92A5		002A5	1000		MVI DATESEP,C'-'	Date Separator default value <---			LB1001f
					1001	*					LB1001a
					1002	***	MVI DATEFMT,C'1'	Date Format 1 MM_DD_CCYY			LB1010a
					1003	***	MVI DATEFMT,C'2'	Date Format 2 DD_MM_CCYY			LB1010a
					1004	***	MVI DATEFMT,C'3'	Date Format 3 CCYY_MM_DD			LB1010a
					1005	***	MVI DATEFMT,C'4'	Date Format 4 CCYY_DD_MM			LB1010a
000202	92F3	92A6		002A6	1006		MVI DATEFMT,C'3'	Date Format default value <---			LB1001f
					1007	*					LB1001a
000206	4170	9376		00376	1008		LA R7,PDSN	R7=Start of PDSN area			
00020A	4180	0000		00000	1009		LA R8,0	R8=PDSN actual length			
00020E	4080	9374		00374	1010		STH R8,PDSNL	Store length of PDSN			
					1011	*					LB1001e

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1013	*	/*-----*/	
					1014	*	/* Get DATASET NAME as 1st required parm	
					1015	*	/* - R4 Starting parms address	
					1016	*	/* - R6 Parm Length	
					1017	*	/*-----*/	
000212	92E8	93AE	003AE		1018		MVI IDPREFIX,C'Y'	Assume USERID Prefix appending LB1010e
				00216	1019	PRMDSN	EQU *	
000216	9540	4000	00000		1020		CLI 0(R4),C' '	Delimiter?
00021A	4780	A254	00254		1021		BE NEXTPRM	YES, next parm
00021E	957D	4000	00000		1022		CLI 0(R4),C''''	Apostrophe in DSN? LB1010e
000222	4780	A23C	0023C		1023		BE BUMPPRM	YES, bypass and try again! LB1010e
000226	D200	7000	4000 00000	00000	1024		MVC 0(1,R7),0(R4)	NO, continue with dataset name
00022C	4177	0001	00001		1025		LA R7,1(R7)	Bump up position PDSN
000230	4188	0001	00001		1026		LA R8,1(R8)	Bump up length of PDSN
000234	4080	9374	00374		1027		STH R8,PDSNL	Store length of PDSN
000238	47F0	A248	00248		1028		B BUMPCNT	Jump to PARMIN position bump! LB1010e
				0023C	1029	BUMPPRM	EQU *	LB1010e
00023C	95D5	93AE	003AE		1030		CLI IDPREFIX,C'N'	USERID Prefix Y? LB1010e
000240	4780	A248	00248		1031		BE BUMPCNT	YES, continue... LB1010e
000244	92D5	93AE	003AE		1032		MVI IDPREFIX,C'N'	NO, set USERID PREFIX to Y LB1010e
				00248	1033	BUMPCNT	EQU *	LB1010e
000248	4144	0001	00001		1034		LA R4,1(R4)	Bump up position PARMIN LB1010e
00024C	4660	A216	00216		1035		BCT R6,PRMDSN	Check again...
000250	47F0	A48E	0048E		1036		B PARMDONE	Done...
					1037	*		LB1001a

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	18.53	04/12/20
					1039	*	/*-----*/				
					1040	*	/* Get other optional parms				
					1041	*	/* - R4 Starting parms address				
					1042	*	/*-----*/				
000254	4144	0001	00001	00254	1043	NEXTPRM	EQU *				
					1044		LA R4,1(R4)	Bump up position	PARMIN		
				00258	1045	NEXT01	EQU *				
000258	D508	C1A0	4000	021A0	00000	1046	CLC KWDIR9,0(R4)	Keyword 'DIRECTORY'?		LB1010b	
00025E	4780	A2CE		002CE	1047		BE KDIR#9	YES, process		LB1010b	
000262	D502	C1A9	4000	021A9	00000	1048	CLC KWDIR,0(R4)	Keyword 'DIR'?			
000268	4780	A2E4		002E4	1049		BE KDIR	YES, process			
00026C	D502	C1AC	4000	021AC	00000	1050	CLC KWPNL,0(R4)	Keyword 'PNL'?			
000272	4780	A2FA		002FA	1051		BE KPNL	YES, process			
000276	D504	C1AF	4000	021AF	00000	1052	CLC KWABOUT,0(R4)	Keyword 'ABOUT'?			
00027C	4780	A310		00310	1053		BE KABOUT	YES, process			
000280	D506	C1B4	4000	021B4	00000	1054	CLC KWVOLUME,0(R4)	Keyword 'VOLUME('?		LB1010b	
000286	4780	A3BA		003BA	1055		BE PARMVOL6	YES, process		LB1010b	
00028A	D503	C1BB	4000	021BB	00000	1056	CLC KWVOL,0(R4)	Keyword 'VOL('?			
000290	4780	A3CA		003CA	1057		BE PARMVOL	YES, process			
000294	D502	C1BF	4000	021BF	00000	1058	CLC KWDS,0(R4)	Keyword 'DS('?		LB1001a	
00029A	4780	A428		00428	1059		BE PARMDS	YES, process		LB1001a	
00029E	D502	C1C2	4000	021C2	00000	1060	CLC KWDF,0(R4)	Keyword 'DF('?		LB1001b	
0002A4	4780	A468		00468	1061		BE PARMDF	YES, process		LB1001b	
0002A8	D503	C1D0	4000	021D0	00000	1062	CLC KWFILE,0(R4)	Keyword 'FILE'?		LB1001g	
0002AE	4780	A326		00326	1063		BE KFILE	YES, process		LB1001g	
0002B2	D502	C1D4	4000	021D4	00000	1064	CLC KWDL0,0(R4)	Keyword 'DL0'?		LB1001h	
0002B8	4780	A33C		0033C	1065		BE KDL0	YES, process		LB1001h	
0002BC	D502	C1D7	4000	021D7	00000	1066	CLC KWDL1,0(R4)	Keyword 'DL1'?		LB1001h	
0002C2	4780	A33C		0033C	1067		BE KDL0	YES, process		LB1001h	
0002C6	4660	A254		00254	1068	BCT	R6,NEXTPRM	Check again...			
0002CA	47F0	A48E		0048E	1069	B	PARMDONE	Done			
					1070	*					

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1072	*	/*-----*/	
					1073	*	/* Keyword Delimiter Check	LB1010g
					1074	*	/* - R0 Working register	
					1075	*	/* - R6 Parm Length	
					1076	*	/*-----*/	
				002CE	1077	KDIR#9	EQU *	LB1010b
0002CE	4100	0009	00009		1078		LA R0,(L'KWDIR9)	LB1010b
0002D2	1960				1079		CR R6,R0	LB1010b
0002D4	4780	A352	00352		1080		BE PARMDIR	LB1010b
0002D8	9540	4009	00009		1081		CLI L'KWDIR9(R4),C' '	LB1010b
0002DC	4780	A352	00352		1082		BE PARMDIR	LB1010b
0002E0	47F0	A254	00254		1083		B NEXTPRM	LB1010b
				002E4	1084	KDIR	EQU *	
0002E4	4100	0003	00003		1085		LA R0,(L'KWDIR)	
0002E8	1960				1086		CR R6,R0	End of PARMS?
0002EA	4780	A352	00352		1087		BE PARMDIR	YES, flag it DIR
0002EE	9540	4003	00003		1088		CLI L'KWDIR(R4),C' '	Blank follow keyword?
0002F2	4780	A352	00352		1089		BE PARMDIR	YES, flag it DIR
0002F6	47F0	A254	00254		1090		B NEXTPRM	NO, continue checking...
				002FA	1091	KPNL	EQU *	
0002FA	4100	0003	00003		1092		LA R0,(L'KWPNL)	
0002FE	1960				1093		CR R6,R0	End of PARMS?
000300	4780	A362	00362		1094		BE PARMPNL	YES, flag it PNL
000304	9540	4003	00003		1095		CLI L'KWPNL(R4),C' '	Blank follow keyword?
000308	4780	A362	00362		1096		BE PARMPNL	YES, flag it PNL
00030C	47F0	A254	00254		1097		B NEXTPRM	NO, continue checking...
				00310	1098	KABOUT	EQU *	
000310	4100	0005	00005		1099		LA R0,(L'KWABOUT)	
000314	1960				1100		CR R6,R0	End of PARMS?
000316	4780	A372	00372		1101		BE PARMABOT	YES, flag it ABOUT
00031A	9540	4005	00005		1102		CLI L'KWABOUT(R4),C' '	Blank follow keyword?
00031E	4780	A372	00372		1103		BE PARMABOT	YES, flag it ABOUT
000322	47F0	A254	00254		1104		B NEXTPRM	NO, continue checking...
				00326	1105	KFILE	EQU *	LB1010g
000326	4100	0004	00004		1106		LA R0,(L'KWFILE)	LB1010g
00032A	1960				1107		CR R6,R0	End of PARMS?
00032C	4780	A382	00382		1108		BE PARMFILE	YES, flag it FILE
000330	9540	4004	00004		1109		CLI L'KWFILE(R4),C' '	Blank follow keyword?
000334	4780	A382	00382		1110		BE PARMFILE	YES, flag it FILE
000338	47F0	A254	00254		1111		B NEXTPRM	NO, continue checking...
				0033C	1112	KDL0	EQU *	LB1010h
00033C	4100	0003	00003		1113		LA R0,(L'KWDL0)	LB1010h
000340	1960				1114		CR R6,R0	End of PARMS?
000342	4780	A392	00392		1115		BE PARMDL0	YES, flag it DLn
000346	9540	4003	00003		1116		CLI L'KWDL0(R4),C' '	Blank follow keyword?
00034A	4780	A392	00392		1117		BE PARMDL0	YES, flag it DLn
00034E	47F0	A254	00254		1118		B NEXTPRM	NO, continue checking...
					1119	*		LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1121	*	/*-----*/	
					1122	*	/* Keyword Set	LB1010g
					1123	*	/* - R4 Starting parms address	
					1124	*	/* - R0 Keyword Length	
					1125	*	/*-----*/	
			00352		1126	PARMDIR	EQU *	
000352	92E8	93A9	003A9		1127		MVI PDIR,C'Y'	Mark DIR action ON
000356	4144	0003	00003		1128		LA R4,L'KWDIR(R4)	Bump up position PARMIN
00035A	4100	0003	00003		1129		LA R0,(L'KWDIR)	
00035E	47F0	A3A8	003A8		1130		B PARM@DEC	Decrement...
			00362		1131	PARMPNL	EQU *	
000362	92E8	93AA	003AA		1132		MVI PPNL,C'Y'	Mark PNL action ON
000366	4144	0003	00003		1133		LA R4,L'KWPNL(R4)	Bump up position PARMIN
00036A	4100	0003	00003		1134		LA R0,(L'KWPNL)	
00036E	47F0	A3A8	003A8		1135		B PARM@DEC	Decrement...
			00372		1136	PARMABOT	EQU *	
000372	92E8	93AB	003AB		1137		MVI PABOUT,C'Y'	Mark ABOUT action ON
000376	4144	0005	00005		1138		LA R4,L'KWABOUT(R4)	Bump up position PARMIN
00037A	4100	0005	00005		1139		LA R0,(L'KWABOUT)	
00037E	47F0	A3A8	003A8		1140		B PARM@DEC	Decrement...
			00382		1141	PARMFILE	EQU *	LB1010g
000382	92E8	93AC	003AC		1142		MVI PFILE,C'Y'	Mark FILE action ON LB1010g
000386	4144	0004	00004		1143		LA R4,L'KWFILE(R4)	Bump up position PARMIN LB1010g
00038A	4100	0004	00004		1144		LA R0,(L'KWFILE)	LB1010g
00038E	47F0	A3A8	003A8		1145		B PARM@DEC	Decrement... LB1010g
			00392		1146	PARMDL0	EQU *	LB1010h
					1147	**	MVI PDL,C'0'	Mark DL0 action LB1010h
000392	92E8	93A9	003A9		1148		MVI PDIR,C'Y'	Mark DIR action ON IMPLY LB1010h
000396	D200	93AD	4002 003AD	00002	1149		MVC PDL,L'KWDL0-1(R4)	Mark DL0 action LB1010h
00039C	4144	0003	00003		1150		LA R4,L'KWDL0(R4)	Bump up position PARMIN LB1010h
0003A0	4100	0003	00003		1151		LA R0,(L'KWDL0)	LB1010h
0003A4	47F0	A3A8	003A8		1152		B PARM@DEC	Decrement... LB1010h
					1153	*	/*-----*/	
					1154	*	/* Decrement command buffer scanning position	
					1155	*	/* - R4 Starting parms address	
					1156	*	/* - R0 Keyword Length	
					1157	*	/* - R6 Parm Length	
					1158	*	/*-----*/	
			003A8		1159	PARM@DEC	EQU *	
0003A8	1B60				1160		SR R6,R0	Decrement R6 accordingly
0003AA	4780	A48E	0048E		1161		BZ PARMDONE	Done when R6 is ZERO
0003AE	4740	A48E	0048E		1162		BM PARMDONE	... or NEGATIVE
0003B2	4660	A254	00254		1163		BCT R6,NEXTPRM	Check again
0003B6	47F0	A48E	0048E		1164		B PARMDONE	Done
					1165	*		
					1166	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20	
					1168	*	/*-----*/		
					1169	*	/* VOL keyword and subfield process		
					1170	*	/* - R4 Starting parms address		
					1171	*	/* - R0 Keyword Length		
					1172	*	/* - R6 Parm Length		
					1173	*	/* - R7, R8 Working register		
					1174	*	/*-----*/		
				003BA	1175	PARMVOL6	EQU *	YES, process	LB1010b
0003BA	92E8	93A8	003A8		1176		MVI PVOL,C'Y'	Mark VOL specified action ON	LB1010b
0003BE	4144	0007	00007		1177		LA R4,L'KWVOLUME(R4)	Bump up position PARMIN	LB1010b
0003C2	4100	0007	00007		1178		LA R0,(L'KWVOLUME) 1		LB1010b
0003C6	47F0	A3D6	003D6		1179		B PARMVGO		LB1010b
				003CA	1180	PARMVOL	EQU *		
0003CA	92E8	93A8	003A8		1181		MVI PVOL,C'Y'	Mark VOL specified action ON	
0003CE	4144	0004	00004		1182		LA R4,L'KWVOL(R4)	Bump up position PARMIN	
0003D2	4100	0004	00004		1183		LA R0,(L'KWVOL) 1		
				003D6	1184	PARMVGO	EQU *		LB1010b
0003D6	1B60				1185		SR R6,R0	Decrement R6 accordingly	
0003D8	4780	A48E	0048E		1186		BZ PARMDONE	Done when R6 is ZERO	
0003DC	4740	A48E	0048E		1187		BM PARMDONE	... or NEGATIVE	
				003E0	1188	LOADVOL	EQU *		
0003E0	9240	93BA	003BA		1189		MVI OBTVOL,C' '	Clear VOL	
0003E4	D204	93BB	93BA 003BB	003BA	1190		MVC OBTVOL+1(L'OBTVOL-1),OBTVOL		
0003EA	4170	93BA	003BA		1191		LA R7,OBTVOL	Start of OBTVOL area	
0003EE	4180	0006	00006		1192		LA R8,L'OBTVOL	Max limit for VOL	
				003F2	1193	VOL00	EQU *		
0003F2	9540	4000	00000		1194		CLI 0(R4),C' '	Delimiter?	
0003F6	4780	A254	00254		1195		BE NEXTPRM	YES, branch to NEXTPRM	
0003FA	955D	4000	00000		1196		CLI 0(R4),C')'	Delimiter?	
0003FE	4780	A254	00254		1197		BE NEXTPRM	YES, branch to NEXTPRM	
000402	D200	7000	4000 00000	00000	1198		MVC 0(1,R7),0(R4)	NO, continue with volume	
000408	4144	0001	00001		1199		LA R4,1(R4)	Bump up position PARMIN	
00040C	4177	0001	00001		1200		LA R7,1(R7)	Bump up position PDSN	
000410	0680				1201		BCTR R8,0	Decrement R8	
000412	1288				1202		LTR R8,R8	0? VOL max length used?	
000414	4780	A420	00420		1203		BZ VOL00A	YES, branch to NEXTPRM via BCT	
000418	4660	A3F2	003F2		1204		BCT R6,VOL00	Check again... next VOL character	
00041C	47F0	A48E	0048E		1205		B PARMDONE	Done...	
000420	4660	A254	00254		1206	VOL00A	BCT R6,NEXTPRM	Check again... next parm	
000424	47F0	A48E	0048E		1207		B PARMDONE	Done...	
					1208	*			LB1001a

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1210	*	/*-----*/	LB1001a
					1211	*	/* DS keyword delimiter check */	LB1001a
					1212	*	/* - R4 Starting parms address */	LB1001a
					1213	*	/*-----*/	LB1001a
000428	4144	0003	00003	00428	1214	PARMDS	EQU *	LB1001a
					1215		LA R4,L'KWDS(R4) Bump up position PARMIN	LB1001a
				0042C	1216	LOADDS	EQU *	LB1001a
00042C	95C4	4000	00000		1217		CLI 0(R4),C'D' Date Separator DASH?	LB1001a
000430	4780	A450	00450		1218		BE LOADDSD YES, load DASH	LB1001a
000434	95E2	4000	00000		1219		CLI 0(R4),C'S' Date Separator SLASH?	LB1001a
000438	4780	A448	00448		1220		BE LOADDSS YES, load SLASH	LB1001a
00043C	95D7	4000	00000		1221		CLI 0(R4),C'P' Date Separator PERIOD?	LB1001a
000440	4780	A458	00458		1222		BE LOADDSP YES, load PERIOD	LB1001a
000444	47F0	A460	00460		1223		B LOADDSX Use Date Separator Default value	LB1001a
				00448	1224	LOADDSS	EQU *	LB1001a
000448	9261	92A5	002A5		1225		MVI DATESEP,C'/' SLASH...	LB1001a
00044C	47F0	A460	00460		1226		B LOADDSX	LB1001a
				00450	1227	LOADDSD	EQU *	LB1001a
000450	9260	92A5	002A5		1228		MVI DATESEP,C'-' DASH...	LB1001a
000454	47F0	A460	00460		1229		B LOADDSX	LB1001a
				00458	1230	LOADDSP	EQU *	LB1001a
000458	924B	92A5	002A5		1231		MVI DATESEP,C'.' PERIOD...	LB1001a
00045C	47F0	A460	00460		1232		B LOADDSX	LB1001a
				00460	1233	LOADDSX	EQU *	LB1001a
000460	4144	0001	00001		1234		LA R4,1(R4) Bump up position PARMIN	LB1001a
000464	47F0	A254	00254		1235		B NEXTPRM Go get NEXTPRM	LB1001a
					1236	*		LB1001b

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1238	*	/*-----*/	LB1001b
					1239	*	/* DF keyword delimiter check */	LB1001b
					1240	*	/* - R4 Starting parms address */	LB1001b
					1241	*	/*-----*/	LB1001b
				00468	1242	PARMDF	EQU *	LB1001b
000468	4144	0003	00003		1243		LA R4,L'KWDF(R4) Bump up position PARMIN	LB1001b
				0046C	1244	LOADDF	EQU *	LB1001b
00046C	95F1	4000	00000		1245		CLI 0(R4),C'1' Date Format < 1?	LB1001b
000470	4740	A486	00486		1246		BL LOADDFX YES, use default	LB1001b
000474	95F4	4000	00000		1247		CLI 0(R4),C'4' Date Format > 4?	LB1001b
000478	4720	A486	00486		1248		BH LOADDFX YES, use default	LB1001b
					1249	*	B LOADDSX Use Date Separator Default value	LB1001b
				0047C	1250	LOADDFT	EQU *	LB1001b
00047C	D200	92A6	4000	002A6	00000	1251	MVC DATEFMT,0(R4) Store date format from keyword	LB1001b
000482	47F0	A486	00486		1252		B LOADDFX	LB1001b
				00486	1253	LOADDFX	EQU *	LB1001b
000486	4144	0001	00001		1254		LA R4,1(R4) Bump up position PARMIN	LB1001b
00048A	47F0	A254	00254		1255		B NEXTPRM Go get NEXTPRM	LB1001b
					1256	*		LB1001b

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1258	*	/*-----*/	
					1259	*	/* Parm processing complete	
					1260	*	/* Check for FILE DDN to DSN processing	LB1010g
					1261	*	/* Check for appending USERID as prefix	LB1010e
					1262	*	/* -ReasonCode 29 Dataset name must be specified	
					1263	*	/* - R4, R6, R7, R8 Working register	LB1010e
					1264	*	/*-----*/	
				0048E	1265	PARMDONE	EQU *	Done with SCAN
00048E	D203	908C	9374	0008C	00374	1266	MVC DDSNL,PDSNL	Dataset name length from PARMIN LB1010e
000494	D22B	908E	9376	0008E	00376	1267	MVC DDSN,PDSN	Dataset name from PARMIN LB1010e
00049A	95E8	93AC		003AC		1268	CLI PFILE,C'Y'	FILE requested, using DDN? LB1010g
00049E	4780	A544		00544		1269	BE CHKDDNL	YES, go check valid DDN length? LB1010g
					1270	*		NO, must be DDSN request LB1010g
0004A2	95E8	93AE		003AE		1271	CLI IDPREFIX,C'Y'	USERID Prefix needed for DSN? LB1010e
0004A6	4770	A538		00538		1272	BNE PARMDCNT	NO, continue with DSN as-is LB1010e
					1273	*		LB1010e

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1275	*	/*-----*/	LB1010e
					1276	*	/* DSN, apply USERID prefix */	LB1010e
					1277	*	/*-----*/	LB1010e
				004AA	1278	APPENDID	EQU * YES, add prefix to DSN	LB1010e
0004AA	5840	96E8	006E8		1279		L R4,MYCPPLP Point to CPPL	LB1010e
				00000	1280		USING CPPL,R4 Tell Assembler	LB1010e
0004AE	5860	4004	00004		1281		L R6,CPPLUPT Point to UPT	LB1010e
				00000	1282		USING UPT,R6 Tell Assembler	LB1010e
0004B2	1B77				1283		SR R7,R7 Clear R7	LB1010e
0004B4	4370	6017	00017		1284		IC R7,UPTPREFL Prefix ID Length	LB1010e
0004B8	4070	93B0	003B0		1285		STH R7,MYIDL Store Prefix ID Length	LB1010e
0004BC	D207	93B2	6010	003B2	1286		MVC MYID,UPTPREFIX Store Prefix ID	LB1010e
					1287		DROP R4	LB1010e
					1288		DROP R6	LB1010e
					1289	*		LB1010e
0004C2	9240	908E	0008E		1290		MVI DDSN,C' ' Clear DDSN	LB1010e
0004C6	D22A	908F	908E	0008F	1291		MVC DDSN+1(L'DDSN-1),DDSN	LB1010e
					1292	*		LB1010e
0004CC	4140	908E	0008E		1293		LA R4,DDSN Address of DDSN	LB1010e
0004D0	1B66				1294		SR R6,R6 Clear R6	LB1010e
0004D2	4860	93B0	003B0		1295		LH R6,MYIDL Length of DDSN, set to MYIDL	LB1010e
0004D6	4170	93B2	003B2		1296		LA R7,MYID Address of MYID	LB1010e
					1297	*		LB1010e

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
				004DA	1299	DOUSERID	EQU *	Move USERID prefix to DDSN LB1010e
0004DA	0660				1300		BCTR R6,0	Adjust length for EX LB1010e
0004DC	4460	A4EA	004EA		1301		EX R6,MVCMYID	EX move of PDSN LB1010e
0004E0	4166	0001	00001		1302		LA R6,1(R6)	Reset DDSN length LB1010e
0004E4	1A46				1303		AR R4,R6	Bump up DDSN position LB1010e
0004E6	47F0	A4F0	004F0		1304		B DOPERIOD	Add period after USERID LB1010e
0004EA	D200	4000 93B2	00000	003B2	1305	MVCMYID	MVC 0(0,R4),MYID	Move MYID for EX LB1010e
				004F0	1306	DOPERIOD	EQU *	LB1010e
0004F0	924B	4000	00000		1307		MVI 0(R4),C'.'	Move period after USERID LB1010e
0004F4	4144	0001	00001		1308		LA R4,1(R4)	Bump up DDSN position LB1010e
0004F8	4166	0001	00001		1309		LA R6,1(R6)	Bump up DDSN length LB1010e
				004FC	1310	DOPDSN0	EQU *	LB1010e
0004FC	1B77				1311		SR R7,R7	Clear R7 LB1010e
0004FE	4870	9374	00374		1312		LH R7,PDSNL	Length of PDSN LB1010e
000502	1A76				1313		AR R7,R6	Add current DDSN length LB1010e
000504	5970	C0C4	020C4		1314		C R7,=F'44'	DDSN within 44 byte limit? LB1010e
000508	47D0	A51E	0051E		1315		BNH DOPDSN	YES, move PDSN portion LB1010e
				0050C	1316	DOPDSN44	EQU *	NO, move PDSN portion truncated! LB1010e
00050C	4170	002C	0002C		1317		LA R7,44	Initialize DSSNL LB1010e
000510	4070	908C	0008C		1318		STH R7,DDSNL	to 44 LB1010e
000514	1B76				1319		SR R7,R6	44 - current DDSNL LB1010e
000516	4470	A532	00532		1320		EX R7,MVCPDSN	EX move of PDSN LB1010e
00051A	47F0	A538	00538		1321		B PARMDCNT	LB1010e
				0051E	1322	DOPDSN	EQU *	LB1010e
00051E	1B77				1323		SR R7,R7	Clear R7 LB1010e
000520	4070	908C	0008C		1324		STH R7,DDSNL	Length of DDSN LB1010e
000524	4870	9374	00374		1325		LH R7,PDSNL	Length of PDSN LB1010e
000528	0670				1326		BCTR R7,0	Adjust length for EX LB1010e
00052A	4470	A532	00532		1327		EX R7,MVCPDSN	EX move of PDSN LB1010e
00052E	47F0	A538	00538		1328		B PARMDCNT	LB1010e
000532	D200	4000 9376	00000	00376	1329	MVCPDSN	MVC 0(0,R4),PDSN	Move PDSN for EX LB1010e
					1330	*	/*-----*/	LB1010e
					1331	*	/* DSN, use as-is */	LB1010e
					1332	*	/*-----*/	LB1010e
				00538	1333	PARMDCNT	EQU *	LB1010e
					1334	**	STM R0,R1,DW	SAVE R0,R1 to DW before TPUT LB1010e
					1335	**	TPUT DDSN,44	LB1010e
					1336	**	LM R0,R1,DW	RESTORE R0,R1 from DW after TPUT LB1010e
000538	9540	9376	00376		1337		CLI PDSN,C' '	Have a DSN? LB1010e
00053C	4780	B756	01756		1338		BE RSN29	NO, error Reasoncode 29 LB1010g
000540	47F0	A5C4	005C4		1339		B PARMCNT2	NO, continue with DDSN request LB1010g
					1340	*		LB1010g

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1342	*	/*-----*/	LB1010e
					1343	*	/* DDN, check valid length and locate DSN from DDN */	LB1010e
					1344	*	/* -ReasonCode 28 DDNAME must be 1-8 characters */	LB1010e
					1345	*	/* -ReasonCode 90 DDN not allocated (not found) */	LB1010e
					1346	*	/*-----*/	LB1010e
				00544	1347	CHKDDNL	EQU *	LB1010g
000544	D503	908C	C124	0008C	02124	1348	CLC DDSNL,=H'8'	LB1010g
00054A	4720	B740		01740	1349	BH	RSN28	LB1010g
				0054E	1350	FINDDDN	EQU *	LB1010g
00054E	5840	0010		00010	1351	L	R4,CVTPTR	LB1010g
				00000	1352		USING CVT,R4	LB1010g
000552	5870	4000		00000	1353	L	R7,CVTTCBP	LB1010g
					1354		DROP R4	LB1010g
000556	D207	9330	7000	00330	00000	1355	MVC DW,0(R7)	LB1010g
00055C	5870	9334		00334	1356	L	R7,DW+4	LB1010g
				00020	1357		USING TCB,R7	LB1010g
000560	5840	700C		0002C	1358	L	R4,TCBTIO	LB1010g
					1359		DROP R7	LB1010g
				00000	1360		USING TIOT,R4	LB1010g
000564	4170	4018		00018	1361	LA	R7,TIOENTRY	LB1010g
				00018	1362		USING TIOENTRY,R7	LB1010g
				00568	1363	LOOPDDN	EQU *	LB1010g
000568	9500	7000		00018	1364	CLI	TIOELNGH,0	LB1010g
00056C	4780	B76C		0176C	1365	BE	RSN90	LB1010g
					1366	*		LB1010g
000570	D507	908E	7004	0008E	0001C	1367	CLC DDSN(8),TIOEDDNM	LB1010g
000576	4780	A586		00586	1368	BE	GOODDDN	LB1010g
00057A	1B88				1369	SR	R8,R8	LB1010g
00057C	4380	7000		00018	1370	IC	R8,TIOELNGH	LB1010g
000580	1A78				1371	AR	R7,R8	LB1010g
000582	47F0	A568		00568	1372	B	LOOPDDN	LB1010g
				00586	1373	GOODDDN	EQU *	LB1010g
000586	D703	9338	9338	00338	00338	1374	XC FW,FW	LB1010g
00058C	D202	9339	700C	00339	00024	1375	MVC FW+1(3),TIOEJFCB	LB1010g
000592	5880	9338		00338	1376	L	R8,FW	LB1010g
000596	5A80	C0C8		020C8	1377	A	R8,=F'16'	LB1010g
				00000	1378		USING JFCB,R8	LB1010g
00059A	D22B	908E	8000	0008E	00000	1379	MVC DDSN,JFCBDSNM	LB1010g
					1380		DROP R4	LB1010g
					1381		DROP R7	LB1010g
					1382		DROP R8	LB1010g
0005A0	4140	0000		00000	1383	LA	R4,0	LB1010g
0005A4	4170	002C		0002C	1384	LA	R7,44	LB1010g
0005A8	4180	908E		0008E	1385	LA	R8,DDSN	LB1010g
				005AC	1386	CALCDSNL	EQU *	LB1010g
0005AC	9540	8000		00000	1387	CLI	0(R8),C' '	LB1010g
0005B0	4780	A5C0		005C0	1388	BE	CALCEXIT	LB1010g
0005B4	4144	0001		00001	1389	LA	R4,1(R4)	LB1010g
0005B8	4188	0001		00001	1390	LA	R8,1(R8)	LB1010g
0005BC	4670	A5AC		005AC	1391	BCT	R7,CALCDSNL	LB1010g
				005C0	1392	CALCEXIT	EQU *	LB1010g
0005C0	4040	908C		0008C	1393	STH	R4,DDSNL	LB1010g
					1394	*		LB1010g
				005C4	1395	PARMCNT2	EQU *	LB1010g
0005C4	D22B	93C0	908E	003C0	0008E	1396	MVC CAMDSN,DDSN	LB1010g
							YES, Load DSN from DDSN data	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
0005CA	D205	93A2	93BA	003A2	003BA	1397	MVC PVOLSER,OBTVOL	Save VOLSER from PARM data
					1398	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1400	*	*/*****/	
					1401	*	/* Display ABOUT information on terminal */	
					1402	*	/* and exit. No dataset processing done... */	
					1403	*	/* -ReasonCode 99 ABOUT request, no DSN info retrieved */	
					1404	*	*/*****/	
				005D0	1405	ABOUT#	EQU *	
0005D0	95E8	93AB	003AB		1406		CLI PABOUT,C'Y' Display ABOUT Info?	
0005D4	4770	A614	00614		1407		BNE ABOUT#XT NO.	
0005D8	9001	9330	00330		1408		STM R0,R1,DW SAVE R0,R1 to DW before TPUT	
					1409		TPUT MYSTAMP,MYSTAMPL	
0005F4	9801	9330	00330		1420		LM R0,R1,DW RESTORE R0,R1 from DW after TPUT	
0005F8	D28E	90BA	A01E	000BA	0001E	1421	MVC DJMSG(MYSTAMPL),MYSTAMP Move to &SYSLISTDSJMSG	
0005FE	D201	911E	C126	0011E	02126	1422	MVC DRSCODE,=C'99' ABOUT, no DSN info msg	
000604	D203	933C	C0CC	0033C	020CC	1423	MVC RCEXIT,=F'00'	
00060A	D201	936A	C120	0036A	02120	1424	MVC RC,=C'00'	
000610	47F0	B49C	0149C		1425		B ENDME	
				00614	1426	ABOUT#XT	EQU *	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20	
					1428	*	*/*****	*/	
					1429	*	/* Locate dataset name via catalog	*/	
					1430	*	/* #Data source: 00 SYSDSNAME (1 of 02)	*/	
					1431	*	/* #Data source: 41 SYSDSCAT	*/	
					1432	*	/* #Data source: 42 SYSDSCATV	*/	
					1433	*	/* -ReasonCode 05 DSN not catalogued	*/	
					1434	*	/* -JMSG'RC=xxx DSCB-Fx CAMLIST NAME error'	*/	
					1435	*	/* - R3 Working Register	*/	
					1436	*	/* - R15 Working Register and RC exit code register	*/	
					1437	*	*/*****	*/	
			00614		1438	LOC8DSN	EQU *		
000614	4130	0000	00000		1439	LA	R3,0	ZERO R3	
000618	5030	93EC	003EC		1440	ST	R3,CAMLIST	... FW1 of CAMLIST	
00061C	9244	93EC	003EC		1441	MVI	CAMLIST,X'44'	Indicate NAME option	
000620	4130	93C0	003C0		1442	LA	R3,CAMDSN	Addr of DSN	
000624	5030	93F0	003F0		1443	ST	R3,CAMLIST+4	... FW2 of CAMLIST	
000628	4130	0000	00000		1444	LA	R3,0	ZERO R3	
00062C	5030	93F4	003F4		1445	ST	R3,CAMLIST+8	... FW3 of CAMLIST	
000630	4130	9400	00400		1446	LA	R3,LOCATEA	Addr of LOCATEA	
000634	5030	93F8	003F8		1447	ST	R3,CAMLIST+12	... FW4 of CAMLIST	
					1448	*			
					1449		LOCATE CAMLIST	Search for DSN via catalog	
00063E	12FF				1452	LTR	R15,R15	Found DSN?	
000640	4780	A680	00680		1453	BZ	DSNFOUND	YES, branch to DSNFOUND	
					1454	*		NO, dataset not on catalog	
000644	92D5	9254	00254		1455	MVI	DDSCAT,C'N'	Dataset catalogued NO	
000648	95E8	93A8	003A8		1456	CLI	PVOL,C'Y'	Volume parm specified?	
00064C	4780	A750	00750		1457	BE	DSCBF1	YES, attempt fetch per given VOL	
					1458	*		NO. Error DSN not found in catlg	
000650	D21F	90BA	C9BE	000BA	029BE	1459	MVC	DJMSG(L'MSGJ020),MSGJ020	Move to &SYSLISTDSJMSG
000656	4EF0	9330	00330		1460	CVD	R15,DW	Convert to decimal	
00065A	F321	90BD	9336	000BD	00336	1461	UNPK	DJMSG+3(3),DW+6(2)	Unpack and
000660	96F0	90BF	000BF		1462	OI	DJMSG+5,X'F0'	... force and F zone	
000664	D207	90C1	C080	000C1	02080	1463	MVC	DJMSG+07(8),=C'LOCATE '	
00066A	D201	911E	C128	0011E	02128	1464	MVC	DRSNCODE,=C'05'	Dataset not catalogued
000670	D203	933C	C0C8	0033C	020C8	1465	MVC	RCEXIT,=F'16'	
000676	D201	936A	C12A	0036A	0212A	1466	MVC	RC,=C'16'	
00067C	47F0	B49C	0149C		1467	B	ENDME	Done, exit.	
					1468	*			
			00680		1469	DSNFOUND	EQU *		
000680	92E8	9254	00254		1470	MVI	DDSCAT,C'Y'	Dataset catalogued YES	
000684	D205	9255	9406	00255	00406	1471	MVC	DDSCATV,LOCAVSR	Dataset catalogued VOLUME
00068A	D22B	908E	93C0	0008E	003C0	1472	MVC	DDSN,CAMDSN	Dataset name from catalog
					1473	*			

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1475	*	*/*****	*/
					1476	*	/* Number of Volumes for this dataset name	*/
					1477	*	/* #Data source: 40 SYSNUMVOLS	*/
					1478	*	/* - R5 Working Register	*/
					1479	*	*/*****	*/
			00690		1480	NUMVOL	EQU *	
000690	D703	9338	9338	00338	00338	1481	XC FW,FW	Clear contents
000696	D201	933A	9400	0033A	00400	1482	MVC FW+2(2),LOCA#VOL	Get Number of Volumes
00069C	5850	9338		00338		1483	L R5,FW	... and convert
0006A0	4E50	9330		00330		1484	CVD R5,DW	... to decimal
0006A4	F321	9206	9336	00206	00336	1485	UNPK DNUMVOL,DW+6(2)	Unpack and
0006AA	96F0	9208		00208		1486	OI DNUMVOL+2,X'F0'	... force and F zone
			006AE		1487	NUMVOLXT	EQU *	
					1488	*	*/*****	*/
					1489	*	/* Volume list for multivolume datasets	*/
					1490	*	/* #Data source: 45 SYSVOLUMES	*/
					1491	*	/* Limited by DVOLLST# and DVOLLST	*/
					1492	*	/* - R5 contains number of volumes from NUMVOL above	*/
					1493	*	/* - R3, R4, R5, R6 Working Register	*/
					1494	*	/* - R3, R4, R5, R6 Working Register	*/
					1495	*	*/*****	*/
0006AE	9240	9265		00265		1496	MVI DVOLLST,C' '	Clear DVOLLST
0006B2	D221	9266	9265	00266	00265	1497	MVC DVOLLST+1(L'DVOLLST-1),DVOLLST	
0006B8	4130	9265		00265		1498	LA R3,DVOLLST	R3=addr of DVOLLST
0006BC	4140	9406		00406		1499	LA R4,LOCAVSER	R4=addr of LOCATEA VOLSER
0006C0	4160	0005		00005		1500	LA R6,DVOLLST#	R6=max DVOLLST volumes
0006C4	1956					1501	CR R5,R6	R5>=R6?
0006C6	4780	A6D0		006D0		1502	BE VOLLST	NO, branch to VOLLST
0006CA	4740	A6D0		006D0		1503	BL VOLLST	NO, branch to VOLLST
0006CE	1856					1504	LR R5,R6	YES. Init R5 to R6
			006D0		1505	VOLLST	EQU *	
0006D0	D205	3000	4000	00000	00000	1506	MVC 0(6,R3),0(R4)	Move VOLUME to list
0006D6	4144	000C		0000C		1507	LA R4,LOCAVLLN(R4)	Point to next VOLUME
0006DA	4133	0007		00007		1508	LA R3,7(R3)	Point to next Vol List
0006DE	4650	A6D0		006D0		1509	BCT R5,VOLLST	Do R5 times
			006E2		1510	VOLLSTXT	EQU *	
					1511	*	*/*****	*/

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1513	*	/* ***** */	
					1514	*	/* Check for multiple volumes and DASD device */	
					1515	*	/* #Data source: 21 SYSVOLUME (1 of 02) */	
					1516	*	/* -ReasonCode 19 Data set on multiple volumes */	
					1517	*	/* -ReasonCode 26 Data set on MSS (Mass Storage) device */	
					1518	*	/* ***** */	
			006E2		1519	CHKVOLS	EQU *	Check for MULTI volumes
0006E2	D501	9400	C12C	00400	0212C	1520	CLC	LOCA#VOL,=X'0001' Volumes = 1?
0006E8	4780	A70C		0070C		1521	BE	SINGLVOL
0006EC	D501	9400	C12E	00400	0212E	1522	CLC	LOCA#VOL,=X'0000' Volumes = 0?
0006F2	4780	A73A		0073A		1523	BE	DSERR
			006F6		1524	MULTIVOL	EQU *	
0006F6	D201	911E	C130	0011E	02130	1525	MVC	DRSNCODE,=C'19' Dataset is on mutilple volumes
0006FC	D203	933C	C0C8	0033C	020C8	1526	MVC	RCEXIT,=F'16'
000702	D201	936A	C12A	0036A	0212A	1527	MVC	RC,=C'16'
000708	47F0	B49C		0149C		1528	B	ENDME Done, exit.
			0070C		1529	SINGLVOL	EQU *	
00070C	D205	9170	9406	00170	00406	1530	MVC	DVOLSER,LOCAVSER LOAD VOLSER FROM CAMLST WORKAREA
000712	D205	93BA	9170	003BA	00170	1531	MVC	OBTVOL(6),DVOLSER MOVE VOLSER TO OBTVOL
000718	9580	9404		00404		1532	CLI	LOCADEV, X'80' Dataset on Tape?
00071C	4780	A724		00724		1533	BE	ONTAPE YES.
			00720		1534	ONDASD	EQU *	NO, DASD entry
000720	47F0	A750		00750		1535	B	CHKVOLSX
			00724		1536	ONTAPE	EQU *	
000724	D201	911E	C132	0011E	02132	1537	MVC	DRSNCODE,=C'26' Dataset is on MSS device
00072A	D203	933C	C0C8	0033C	020C8	1538	MVC	RCEXIT,=F'16'
000730	D201	936A	C12A	0036A	0212A	1539	MVC	RC,=C'16'
000736	47F0	B49C		0149C		1540	B	ENDME Done, exit.
			0073A		1541	DSERR	EQU *	
00073A	D201	911E	C134	0011E	02134	1542	MVC	DRSNCODE,=C'06' Error obtaining dataset
000740	D203	933C	C0C8	0033C	020C8	1543	MVC	RCEXIT,=F'16'
000746	D201	936A	C12A	0036A	0212A	1544	MVC	RC,=C'16'
00074C	47F0	B49C		0149C		1545	B	ENDME Done, exit.
			00750		1546	CHKVOLSX	EQU *	
					1547	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1549	*	*/*****	
					1550	*	/* Get Format-1 IDENTIFIER DATA SET CONTROL BLOCK	*/
					1551	*	/* #Data source: 00 SYSDSNAME (1 of 02)	*/
					1552	*	/* #Data source: 21 SYSVOLUME (2 of 02)	*/
					1553	*	/* -ReasonCode 21 Catalog error locating dataset	*/
					1554	*	/* -ReasonCode 22 Volume not mounted	*/
					1555	*	/* -JMSG'RC=xxx DSCB-Fx CAMLST SEARCH error'	*/
					1556	*	/* - R3 Working Register	*/
					1557	*	/* - R15 Working Register and RC exit code register	*/
					1558	*	*/*****	
				00750	1559	DSCBF1	EQU *	
000750	95E8	93A8	003A8		1560		CLI PVOL,C'Y'	Volume specified?
000754	4770	A76A	0076A		1561		BNE DSCBF1A	NO, branch to fetch format-1 DSCB
					1562	*		YES.
000758	D202	9206	C182	00206	02182	1563	MVC DNUMVOL,=C'001'	Number of volumes = 1
00075E	D205	93BA	93A2	003BA	003A2	1564	MVC OBTVOL,PVOLSER	Override OBTVOL per given VOL
000764	D205	9170	93A2	00170	003A2	1565	MVC DVOLSER,PVOLSER	LOAD VOLSER FROM given VOL
				0076A	1566	DSCBF1A	EQU *	
00076A	4130	0000	00000		1567		LA R3,0	ZERO R3
00076E	5030	93EC	003EC		1568		ST R3,CAMLST	... FW1 of CAMLIST
000772	92C1	93EC	003EC		1569		MVI CAMLIST,X'C1'	Request SEARCH
000776	4130	93C0	003C0		1570		LA R3,CAMDSN	Addr of DSN
00077A	5030	93F0	003F0		1571		ST R3,CAMLST+4	... FW2 of CAMLIST
00077E	4130	93BA	003BA		1572		LA R3,OBTVOL	Addr of OBTVOL
000782	5030	93F4	003F4		1573		ST R3,CAMLST+8	... FW3 of CAMLIST
000786	4130	9510	00510		1574		LA R3,OBTAINA	Addr of OBTAINA
00078A	5030	93F8	003F8		1575		ST R3,CAMLST+12	... FW4 of CAMPLIST
					1576	*		
					1577		OBTAIN CAMLIST	Get F1 DSCB
000794	12FF				1580		LTR R15,R15	Successful?
000796	4780	A7B8	007B8		1581		BZ OBTR00	YES.
					1582	*		NO.
00079A	D221	90BA	C9DE	000BA	029DE	1583	MVC DJMSG(L'MSGJ021),MSGJ021	Move to &SYSLISTDSJMSG
0007A0	4EF0	9330	00330		1584		CVD R15,DW	Convert to decimal
0007A4	F321	90BD	9336	000BD	00336	1585	UNPK DJMSG+3(3),DW+6(2)	Unpack and
0007AA	96F0	90BF	000BF		1586		OI DJMSG+5,X'F0'	... force and F zone
0007AE	D200	90C7	C185	000C7	02185	1587	MVC DJMSG+13(1),=C'1'	Mark as F1 request on err msg
					1588	*		
0007B4	47F0	B56E	0156E		1589		B CAMRCERR	
				007B8	1590	OBTR00	EQU *	
0007B8	D22B	908E	93C0	0008E	003C0	1591	MVC DDSN,CAMDSN	Dataset name from F1
0007BE	D205	9170	93BA	00170	003BA	1592	MVC DVOLSER,OBTVOL	Save VOLUME
					1593	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1595	*	/* *****	*/
					1596	*	/* Get Format-2 ISAM DATA SET CONTROL BLOCK	*/
					1597	*	/* -JMSG'RC=xxx DSCB-Fx CAMLST SEEK error'	*/
					1598	*	/* - R3 Working Register	*/
					1599	*	/* - R15 Working Register and RC exit code register	*/
					1600	*	/* *****	*/
			007C4		1601	DSCBF2	EQU *	
0007C4	9180	9536	00536		1602		TM DS1DSORG,X'80'	ISAM ?
0007C8	47E0	A81E	0081E		1603		BNO DSCBF3	NO, bypass DSCB-F2 and get DSCB-F3
0007CC	4130	0000	00000		1604		LA R3,0	ZERO R3
0007D0	5030	93EC	003EC		1605		ST R3,CAMLST	... FW1 of CAMLIST
0007D4	92C0	93EC	003EC		1606		MVI CAMLIST,X'C0'	Request SEEK
0007D8	9280	93ED	003ED		1607		MVI CAMLIST+1,X'80'	
0007DC	4130	956B	0056B		1608		LA R3,DS1PTRDS	CCHHR OF FORMAT 2 DSCB
0007E0	5030	93F0	003F0		1609		ST R3,CAMLST+4	... FW2 of CAMLIST
0007E4	4130	93BA	003BA		1610		LA R3,OBTVOL	Addr of OBTVOL
0007E8	5030	93F4	003F4		1611		ST R3,CAMLST+8	... FW3 of CAMLIST
0007EC	4130	9570	00570		1612		LA R3,IECSDSF2	Addr of FORMAT 2 DSCB
0007F0	5030	93F8	003F8		1613		ST R3,CAMLST+12	... FW4 of CAMLIST
					1614	*		
					1615		OBTAIN CAMLIST	Get F2 DSCB (Extents)
0007FA	12FF				1618		LTR R15,R15	Successful?
0007FC	4780	A81E	0081E		1619		BZ DSCBF2X	YES.
					1620	*		NO.
000800	D21F	90BA	CA00	000BA	02A00	1621	MVC DJMSG(L'MSGJ022),MSGJ022	Move to &SYSLISTDSJMSG
000806	4EF0	9330	00330		1622		CVD R15,DW	Convert to decimal
00080A	F321	90BD	9336	000BD	00336	1623	UNPK DJMSG+3(3),DW+6(2)	Unpack and
000810	96F0	90BF	000BF		1624		OI DJMSG+5,X'F0'	... force and F zone
000814	D200	90C7	C186	000C7	02186	1625	MVC DJMSG+13(1),=C'2'	Mark as F2 request on err msg
					1626	*		
00081A	47F0	B56E	0156E		1627		B CAMRCERR	
			0081E		1628	DSCBF2X	EQU *	
					1629	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1631	*	/* ***** */	
					1632	*	/* Get Format-3 EXTENSION DATA SET CONTROL BLOCK */	
					1633	*	/* -JMSG'RC=xxx DSCB-Fx CAMLIST SEEK error' */	
					1634	*	/* - R3 Working Register */	
					1635	*	/* - R15 Working Register and RC exit code register */	
					1636	*	/* ***** */	
			0081E		1637	DSCBF3	EQU *	
00081E	9503	951F	0051F		1638		CLI DS1NOEPV,3	Dataset > 3 Extents?
000822	47D0	A884	00884		1639		BNH DSCBF3X	NO. F3 DSCB not needed!
000826	4130	0000	00000		1640		LA R3,0	ZERO R3
00082A	5030	93EC	003EC		1641		ST R3,CAMLIST	... FW1 of CAMLIST
00082E	92C0	93EC	003EC		1642		MVI CAMLIST,X'C0'	Request SEEK
000832	9280	93ED	003ED		1643		MVI CAMLIST+1,X'80'	
000836	4130	956B	0056B		1644		LA R3,DS1PTRDS	CCHHR OF FORMAT 3 DSCB
00083A	9180	9536	00536		1645		TM DS1DSORG,X'80'	ISAM ?
00083E	47E0	A846	00846		1646		BN0 *+8	NO.
000842	4130	95F7	005F7		1647		LA R3,DS2PTRDS	CCHHR OF FORMAT 3 DSCB
000846	5030	93F0	003F0		1648		ST R3,CAMLIST+4	... FW2 of CAMLIST
00084A	4130	93BA	003BA		1649		LA R3,OBTVOL	Addr of OBTVOL
00084E	5030	93F4	003F4		1650		ST R3,CAMLIST+8	... FW3 of CAMLIST
000852	4130	95FC	005FC		1651		LA R3,IECSDSF3	Addr of FORMAT 3 DSCB
000856	5030	93F8	003F8		1652		ST R3,CAMLIST+12	... FW4 of CAMLIST
					1653	*		
					1654		OBTAIN CAMLIST	Get F3 DSCB (Extents)
000860	12FF				1657		LTR R15,R15	Successful?
000862	4780	A884	00884		1658		BZ DSCBF3X	YES.
					1659	*		NO.
000866	D21F	90BA	CA00	000BA	02A00	1660	MVC DJMSG(L'MSGJ022),MSGJ022	Move to &SYSLISTDSJMSG
00086C	4EF0	9330	00330		1661		CVD R15,DW	Convert to decimal
000870	F321	90BD	9336	000BD	00336	1662	UNPK DJMSG+3(3),DW+6(2)	Unpack and
000876	96F0	90BF	000BF		1663		OI DJMSG+5,X'F0'	... force and F zone
00087A	D200	90C7	C187	000C7	02187	1664	MVC DJMSG+13(1),=C'3'	Mark as F3 request on err msg
					1665	*		
000880	47F0	B56E	0156E		1666		B CAMRCERR	
			00884		1667	DSCBF3X	EQU *	
					1668	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20	
					1670	*	/* *****/		
					1671	*	/* Get Format-4 DSCB for VOLUME device characterics	*/	
					1672	*	/* -JMSG'RC=xxx DSCB-Fx CAMLST NAME error'	*/	
					1673	*	/* - R3 Working Register	*/	
					1674	*	/* - R15 Working Register and RC exit code register	*/	
					1675	*	/* *****/		
			00884		1676	DSCBF4	EQU *		
000884	9204	93C0	003C0		1677	MVI	CAMDSN,X'04'	Set to F4 DSCB	
000888	D22A	93C1	93C0	003C1	003C0	1678	MVC	CAMDSN+1(L'CAMDSN-1),CAMDSN	
					1679	*			
00088E	4130	0000	00000		1680	LA	R3,0	ZERO R3	
000892	5030	93EC	003EC		1681	ST	R3,CAMLST	... FW1 of CAMLIST	
000896	92C1	93EC	003EC		1682	MVI	CAMLST,X'C1'	INDICATE NAME OPTION	
00089A	4130	93C0	003C0		1683	LA	R3,CAMDSN	Addr of DSN	
00089E	5030	93F0	003F0		1684	ST	R3,CAMLST+4	... FW2 of CAMLIST	
0008A2	4130	93BA	003BA		1685	LA	R3,OBTVOL	Addr of OBTVOL	
0008A6	5030	93F4	003F4		1686	ST	R3,CAMLST+8	... FW3 of CAMLIST	
0008AA	4130	9688	00688		1687	LA	R3,IECSDSF4	Addr of FORMAT 4 DSCB	
0008AE	5030	93F8	003F8		1688	ST	R3,CAMLST+12	... FW4 of CAMPLIST	
					1689	*			
					1690		OBTAIN CAMLIST	Get F4 DSCB (Volume Info)	
0008B8	12FF				1693	LTR	R15,R15	Successful?	
0008BA	4780	A8DC	008DC		1694	BZ	DSCBF4X	YES.	
					1695	*		NO.	
0008BE	D21F	90BA	C9BE	000BA	029BE	1696	MVC	DJMSG(L'MSGJ020),MSGJ020	Move to &SYSLISTDSJMSG
0008C4	4EF0	9330	00330		1697	CVD	R15,DW	Convert to decimal	
0008C8	F321	90BD	9336	000BD	00336	1698	UNPK	DJMSG+3(3),DW+6(2)	Unpack and
0008CE	96F0	90BF	000BF		1699	OI	DJMSG+5,X'F0'	... force and F zone	
0008D2	D200	90C7	C188	000C7	02188	1700	MVC	DJMSG+13(1),=C'4'	Mark as F4 request on err msg
					1701	*			
0008D8	47F0	B56E	0156E		1702	B	CAMRCERR		
			008DC		1703	DSCBF4X	EQU *		
					1704	*			

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1706	*	*/*****	
					1707	*	/* Cylinders for Volume	from format-4 DSCB */
					1708	*	/* #Data source: 29 SYSCYLVOL	*/
					1709	*	/* - R3 Working Register	*/
					1710	*	*/*****	
0008DC	4830	969A	0069A		1711		LH R3,DS4DEVSZ	Cylinders for volume
0008E0	5030	9350	00350		1712		ST R3,CYL4VOL	
0008E4	4E30	9330	00330		1713		CVD R3,DW	Convert to decimal
0008E8	F342	9227	9335 00227	00335	1714		UNPK DCYL4VOL(5),DW+5(3)	Unpack and
0008EE	96F0	922B	0022B		1715		OI DCYL4VOL+4,X'F0'	... force and F zone
					1716	*	*/*****	
					1717	*	/* Tracks per Cylinder for Volume	from format-4 DSCB */
					1718	*	/* #Data source: 30 SYSTRKSCYL	*/
					1719	*	/* - R3 Working Register	*/
					1720	*	*/*****	
					1721	*	*/*****	
0008F2	4830	969C	0069C		1722		LH R3,DS4DEVSZ+2	Tracks/Cylinder
0008F6	5030	9340	00340		1723		ST R3,TRKSCYL	
0008FA	4E30	9330	00330		1724		CVD R3,DW	Convert to decimal
0008FE	F342	9218	9335 00218	00335	1725		UNPK DTRKSCYL(5),DW+5(3)	Unpack and
000904	96F0	921C	0021C		1726		OI DTRKSCYL+4,X'F0'	... force and F zone
					1727	*	*/*****	
					1728	*	/* Track Length for volume	from format-4 DSCB */
					1729	*	/* #Data source: 34 SYSTRKLEN	*/
					1730	*	/* - R3 Working Register	*/
					1731	*	*/*****	
					1732	*	*/*****	
000908	4830	969E	0069E		1733		LH R3,DS4DEVTK	Track Length
00090C	5030	9344	00344		1734		ST R3,TRKLEN	
000910	4E30	9330	00330		1735		CVD R3,DW	Convert to decimal
000914	F342	921D	9335 0021D	00335	1736		UNPK DTRKLEN(5),DW+5(3)	Unpack and
00091A	96F0	9221	00221		1737		OI DTRKLEN+4,X'F0'	... force and F zone
					1738	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM
					1740	*	*/*****	0201 18.53 04/12/20
					1741	*	/* Capacity for volume =	
					1742	*	/* Cylinders for Volume * Tracks per Cylinder *	
					1743	*	/* Track Length	
					1744	*	/* #Data source: 35 SYSUNITCAP	
					1745	*	/* - R2, R3 Working Registers	
					1746	*	*/*****	
00091E	5830	9350	00350		1747		L R3,CYL4VOL R3=CYLS for volume	
000922	5C20	9340	00340		1748		M R2,TRKSCYL (R2,R3)=CYL4VOL*TRKSCYL	
					1749	*	R3 tracks for volume	
000926	5C20	9344	00344		1750		M R2,TRKLEN (R2,R3)=R3*TRKLEN	
00092A	4E30	9330	00330		1751		CVD R3,DW Convert to decimal	
00092E	F3E7	922C	9330 0022C	00330	1752		UNPK DUNITCAP,DW Unpack and	
000934	96F0	923A	0023A		1753		OI DUNITCAP+14,X'F0' ... force and F zone	
					1754	*	*/*****	
					1755	*	/* Blocks per Track =	
					1756	*	/* Track Length / Blocksize	
					1757	*	/* #Data source: 36 SYSBLKSTRK	
					1758	*	/* - R2, R3 Working Registers	
					1759	*	*/*****	
					1760	*	*/*****	
000938	1B33				1761		SR R3,R3 Zero R3	
00093A	D501	953A	C136 0053A	02136	1762		CLC DS1BLKL,=H'0' Is BLOCKSIZE 0?	
000940	4780	A95C	0095C		1763		BE BLKTRKC YES, BLKTRKC is 0	
000944	5830	9344	00344		1764		L R3,TRKLEN NO, compute BLKTRKC	
000948	5C20	C0D0	020D0		1765		M R2,=F'1'	
00094C	D703	9338	9338 00338	00338	1766		XC FW,FW Clear FW	
000952	D201	933A	953A 0033A	0053A	1767		MVC FW+2(2),DS1BLKL Move BLOCKSIZE	
000958	5D20	9338	00338		1768		D R2,FW TrackLength/Blocksize	
				0095C	1769	BLKTRKC	EQU *	
00095C	4E30	9330	00330		1770		CVD R3,DW Convert to decimal	
000960	F342	9222	9335 00222	00335	1771		UNPK DBLKTRK(5),DW+5(3) Unpack and	
000966	96F0	9226	00226		1772		OI DBLKTRK+4,X'F0' ... force and F zone	
00096A	5030	935C	0035C		1773		ST R3,BLKSPTRK Store blocks per track	
					1774	*	*/*****	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1776	*	/* ***** */	
					1777	*	/* Total Space Allocation	*/
					1778	*	/* - Sum extents; 3 F1, 4 F3, 9 F3	*/
					1779	*	/* - R1, R2, R3, R4, R5, R7 Working Registers	*/
					1780	*	/* ***** */	
				0096E	1781	SUMEXT	EQU *	
00096E	9500	951F	0051F		1782		CLI DS1NOEPV,0	Extents to process?
000972	4780	A9D6	009D6		1783		BE SUMEXTXT	NO. Zero.
000976	1B22				1784		SR R2,R2	Zero, R2 = TRK Counter (HH)
000978	1B33				1785		SR R3,R3	Zero, R3 = CYL Counter (CC)
					1786	*	/* ----- */	
					1787	*	/* Sum- 1st 3 extents in F1 DSCB	*/
					1788	*	/* ----- */	
00097A	4140	954D	0054D		1789		LA R4,DS1EXT1	Addr of 1st extent (F1)
00097E	4150	0003	00003		1790		LA R5,3	3 times...
				00982	1791	EXTF1	EQU *	
000982	9500	4000	00000		1792		CLI 0(R4),X'00'	Extent slot null?
000986	4780	A9D6	009D6		1793		BE SUMEXTXT	YES, Done.
00098A	4570	B8BC	018BC		1794		BAL R7,TOTEXTS	Sum extents
00098E	4144	000A	0000A		1795		LA R4,10(R4)	Point to next extent
000992	4650	A982	00982		1796		BCT R5,EXTF1	
					1797	*	/* ----- */	
					1798	*	/* Sum- Count F3 DSCB extents?	*/
					1799	*	/* ----- */	
000996	9503	951F	0051F		1800		CLI DS1NOEPV,3	Dataset > 3 Extents?
00099A	47D0	A9D6	009D6		1801		BNH SUMEXTXT	NO. Done...
					1802	*	/* ----- */	
					1803	*	/* Sum- 4 extents in F3 DSCB	*/
					1804	*	/* ----- */	
00099E	4140	9600	00600		1805		LA R4,DS3EXTNT	Addr of 1st extent (F3)
0009A2	4150	0004	00004		1806		LA R5,4	4 times...
				009A6	1807	EXTF3	EQU *	
0009A6	9500	4000	00000		1808		CLI 0(R4),X'00'	Extent slot null?
0009AA	4780	A9D6	009D6		1809		BE SUMEXTXT	YES, Done.
0009AE	4570	B8BC	018BC		1810		BAL R7,TOTEXTS	Sum extents
0009B2	4144	000A	0000A		1811		LA R4,10(R4)	Point to next extent
0009B6	4650	A9A6	009A6		1812		BCT R5,EXTF3	
					1813	*	/* ----- */	
					1814	*	/* Sum- last 9 extents in F3 DSCB	*/
					1815	*	/* ----- */	
0009BA	4140	9629	00629		1816		LA R4,DS3ADEXT	Addr of 1st extent (F3)
0009BE	4150	0009	00009		1817		LA R5,9	9 times...
				009C2	1818	EXTF3B	EQU *	
0009C2	9500	4000	00000		1819		CLI 0(R4),X'00'	Extent slot null?
0009C6	4780	A9D6	009D6		1820		BE SUMEXTXT	YES, Done.
0009CA	4570	B8BC	018BC		1821		BAL R7,TOTEXTS	Sum extents
0009CE	4144	000A	0000A		1822		LA R4,10(R4)	Point to next extent
0009D2	4650	A9C2	009C2		1823		BCT R5,EXTF3B	
					1824	*		
				009D6	1825	SUMEXTXT	EQU *	
					1826	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM
					1828	*	/*-----*/	0201 18.53 04/12/20
					1829	*	/* TOTALS R2=TRKS, R3=CYL	*/
					1830	*	/*-----*/	*/
0009D6	1812				1831		LR R1,R2 R1=TRKS accumulated	
0009D8	5C20	9340	00340		1832		M R2,TRKSCYL CYL to TRKS (R2,R3)	
0009DC	1A31				1833		AR R3,R1 R3=Total TRKS allocated	
					1834	*	/*-----*/	
					1835	*	/* Total Allocated Tracks	*/
					1836	*	/* #Data source: 26 SYSTRKSALLOC	*/
					1837	*	/*-----*/	*/
0009DE	4E30	9330	00330		1838	*	/*-----*/	*/
0009E2	F342	9209	9335	00209	1839		CVD R3,DW Convert to decimal	
0009E8	96F0	920D	0020D	00335	1840		UNPK DTRKSAL(5),DW+5(3) Unpack and	
0009EC	5030	9348	00348		1841		OI DTRKSAL+4,X'F0' ... force and F zone	
					1842		ST R3,TRKSTOTA Store tot alloc tracks	
					1843	*	/*-----*/	
					1844	*	/* Total Allocated Cylinders	*/
					1845	*	/*-----*/	*/
0009F0	1813				1846	*	/*-----*/	*/
0009F2	5D20	9340	00340		1847		LR R1,R3 R1=Total Allocated Tracks	
0009F6	5030	9354	00354		1848		D R2,TRKSCYL Revise CYL and TRK (R2,R3)	
					1849		ST R3,CYLSTOTA Store tot alloc cys	
					1850	*	/*-----*/	
					1851	*	/*-----*/	*/
					1852	*	/* TOTALS: R2=TRKS, R3=CYL	*/
					1853	*	/*-----*/	*/
					1854	*	/*-----*/	*/

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1856	*	/* ***** */	
					1857	*	/* Space Used in Tracks for PS and PO Organization */	
					1858	*	/* - R1, R2 Working Registers */	
					1859	*	/* ***** */	
				009FA	1860	SPCUSED	EQU *	
0009FA	9140	9536	00536		1861	TM	DS1DSORG,X'40'	PS SEQ Dataset ?
0009FE	4710	AA14	00A14		1862	BO	SPCUSEDX	YES, continue.
000A02	9102	9536	00536		1863	TM	DS1DSORG,X'02'	PO PDS Dataset ?
000A06	4710	AA14	00A14		1864	BO	SPCUSEDX	YES, continue.
000A0A	D703	934C	934C 0034C	0034C	1865	XC	TTRKUSED,TTRKUSED	Clear Total Used Tracks
000A10	47F0	AA48	00A48		1866	B	SPCUSEDX	NO, Exit.
				00A14	1867	SPCUSEDX	EQU *	
000A14	1B22				1868	SR	R2,R2	R2=Total Tracks Used
000A16	BF23	9546	00546		1869	ICM	R2,B'0011',DS1LSTAR	Last Block Written TT of TTR
000A1A	9500	9548	00548		1870	CLI	DS1LSTAR+2,0	Portion of track used? R of TTR
000A1E	4780	AA26	00A26		1871	BE	TOTUSED	NO.
000A22	4122	0001	00001		1872	LA	R2,1(R2)	YES, add 1 to tracks
					1873	*	/* ***** */	
					1874	*	/* ***** */	
					1875	*	/* Total Used Tracks */	
					1876	*	/* #Data source: 24 SYSTRKSUSED */	
					1877	*	/* ***** */	
				00A26	1878	TOTUSED	EQU *	
000A26	5020	934C	0034C		1879	ST	R2,TTRKUSED	Store total tracks used
000A2A	4E20	9330	00330		1880	CVD	R2,DW	Convert to decmial
000A2E	F342	920E	9335 0020E	00335	1881	UNPK	DTRKSUS(5),DW+5(3)	Unpack and
000A34	96F0	9212	00212		1882	OI	DTRKSUS+4,X'F0'	... force and F zone
					1883	*	/* ***** */	
					1884	*	/* ***** */	
					1885	*	/* Total Unused Tracks */	
					1886	*	/* #Data source: 28 SYSTRKSUNUSED */	
					1887	*	/* ***** */	
				00A38	1888	TOTUSED	EQU *	
000A38	1B12				1889	SR	R1,R2	R1=Unused tracks
000A3A	4E10	9330	00330		1890	CVD	R1,DW	Convert to decmial
000A3E	F342	9213	9335 00213	00335	1891	UNPK	DTRKSUUS(5),DW+5(3)	Unpack and
000A44	96F0	9217	00217		1892	OI	DTRKSUUS+4,X'F0'	... force and F zone
				00A48	1893	SPCUSEDX	EQU *	
					1894	*	/* ***** */	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1896	*	*/*****	*/
					1897	*	/* Logical Record Length	*/
					1898	*	/* #Data source: 10 SYSLRECL	*/
					1899	*	/* - R3 Working Register	*/
					1900	*	*/*****	*/
			00A48		1901	LRECL	EQU *	
000A48	D703	9338	9338	00338	00338	1902	XC FW,FW	Clear contents
000A4E	D201	933A	953C	0033A	0053C	1903	MVC FW+2(2),DS1LRECL	Get LRECL
000A54	5830	9338		00338		1904	L R3,FW	... and convert
000A58	4E30	9330		00330		1905	CVD R3,DW	... to decimal
000A5C	F342	9176	9335	00176	00335	1906	UNPK DLRECL(5),DW+5(3)	Unpack and
000A62	96F0	917A		0017A		1907	OI DLRECL+4,X'F0'	... force and F zone
			00A66		1908	LRECLXT	EQU *	
					1909	*	*/*****	*/
					1910	*	/* Blocksize	*/
					1911	*	/* #Data source: 11 SYSBLKSIZE	*/
					1912	*	/* - R3 Working Register	*/
					1913	*	*/*****	*/
					1914	*	*/*****	*/
			00A66		1915	BLKSIZ	EQU *	
000A66	D703	9338	9338	00338	00338	1916	XC FW,FW	Clear contents
000A6C	D201	933A	953A	0033A	0053A	1917	MVC FW+2(2),DS1BLKL	Get BLKSIZE
000A72	5830	9338		00338		1918	L R3,FW	... and convert
000A76	4E30	9330		00330		1919	CVD R3,DW	... to decimal
000A7A	F342	917B	9335	0017B	00335	1920	UNPK DBLKSZ(5),DW+5(3)	Unpack and
000A80	96F0	917F		0017F		1921	OI DBLKSZ+4,X'F0'	... force and F zone
			00A84		1922	BLKSIZXT	EQU *	
					1923	*	*/*****	*/

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					1925	*	/* ***** */	
					1926	*	/* Keylength	*/
					1927	*	/* #Data source: 12 SYSKEYLEN	*/
					1928	*	/* - R3 Working Register	*/
					1929	*	/* ***** */	
			00A84		1930	KEYL	EQU *	
000A84	D703	9338	9338	00338	00338	1931	XC FW,FW	Clear contents
000A8A	D200	933B	953E	0033B	0053E	1932	MVC FW+3(1),DS1KEYL	Get KEY LENGTH
000A90	5830	9338		00338		1933	L R3,FW	... and convert
000A94	4E30	9330		00330		1934	CVD R3,DW	... to decimal
000A98	F321	91CD	9336	001CD	00336	1935	UNPK DKEYL(3),DW+6(2)	Unpack and
000A9E	96F0	91CF		001CF		1936	OI DKEYL+2,X'F0'	... force and F zone
			00AA2		1937	KEYLXT	EQU *	
					1938	*	/* ***** */	
					1939	*	/* Relative Key Position	*/
					1940	*	/* #Data source: 13 SYSKEYPOS	*/
					1941	*	/* - R3 Working Register	*/
					1942	*	/* ***** */	
			00AA2		1943	RKP	EQU *	
000AA2	D703	9338	9338	00338	00338	1944	XC FW,FW	Clear contents
000AA8	D201	933A	953F	0033A	0053F	1945	MVC FW+2(2),DS1RKP	Get RELATIVE KEY POSITION
000AAE	5830	9338		00338		1946	L R3,FW	... and convert
000AB2	4E30	9330		00330		1947	CVD R3,DW	... to decimal
000AB6	F342	91D0	9335	001D0	00335	1948	UNPK DRKP(5),DW+5(3)	Unpack and
000ABC	96F0	91D4		001D4		1949	OI DRKP+4,X'F0'	... force and F zone
			00AC0		1950	RKPXT	EQU *	
					1951	*	/* ***** */	
					1952	*	/* Extents Allocated	*/
					1953	*	/* #Data source: 25 SYSEXTENTS	*/
					1954	*	/* - R3 Working Register	*/
					1955	*	/* ***** */	
			00AC0		1956	EXTS	EQU *	
000AC0	D703	9338	9338	00338	00338	1957	XC FW,FW	Clear contents
000AC6	D200	933B	951F	0033B	0051F	1958	MVC FW+3(1),DS1N0EPV	Get ALLOCATED EXTENTS
000ACC	5830	9338		00338		1959	L R3,FW	... and convert
000AD0	4E30	9330		00330		1960	CVD R3,DW	... to decimal
000AD4	F321	9203	9336	00203	00336	1961	UNPK DEXTS(3),DW+6(2)	Unpack and
000ADA	96F0	9205		00205		1962	OI DEXTS+2,X'F0'	... force and F zone
			00ADE		1963	EXTSXT	EQU *	
					1964	*	/* ***** */	
					1965			
					1966			

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20	
					1968	*	*/*****		
					1969	*	/* Dataset Organization	*/	
					1970	*	/* #Data source: 08 SYSDSORG	*/	
					1971	*	/* -JMSG'DSORG Type xxx not defined in table'	*/	
					1972	*	/* - R2, R3, R4, R5 Working Registers	*/	
					1973	*	*/*****		
			00ADE		1974	DSORG	EQU *		
000ADE	4130	AB4C	00B4C		1975	LA	R3,TBLDSOB	Address of TBL	
000AE2	4140	0005	00005		1976	LA	R4,TBLDSOE	Number of tbl entries	
000AE6	1B55				1977	SR	R5,R5	Clear R5	
			00AE8		1978	DSORGLP	EQU *		
000AE8	4120	9536	00536		1979	LA	R2,DS1DSORG	Address of DSORG	
000AEC	4A23	0000	00000		1980	AH	R2,0(R3)	Adj Addr of DSORG	
000AF0	BF51	3002	00002		1981	ICM	R5,B'0001',2(R3)	Load DSORG bit pattern	
000AF4	4450	AB48	00B48		1982	EX	R5,TMDSORG	Execute TM	
000AF8	4710	AB32	00B32		1983	BO	DS0#FND	Found DSORG Type	
000AFC	4133	0006	00006		1984	LA	R3,TBLDSOL(R3)	Otherwise, check next	
000B00	4640	AAE8	00AE8		1985	BCT	R4,DSORGLP	... TBLDS0 entry	
					1986	*		Exhausted TBLDS entries, not found	
000B04	D222	90BA	CA20	000BA	02A20	1987	MVC	DJMSG(L'MSGJ025),MSGJ025	Move to &SYSLISTDSJMSG
000B0A	D209	90BA	C138	000BA	02138	1988	MVC	DJMSG(10),=C'DSORG Type'	
000B10	D703	9338	9338	00338	00338	1989	XC	FW,FW	
000B16	D200	933B	9536	0033B	00536	1990	MVC	FW+3(1),DS1DSORG	
000B1C	58F0	9338		00338		1991	L	R15,FW	
000B20	4EF0	9330		00330		1992	CVD	R15,DW	Convert to decimal
000B24	F321	90C5	9336	000C5	00336	1993	UNPK	DJMSG+11(3),DW+6(2)	Unpack and
000B2A	96F0	90C7		000C7		1994	OI	DJMSG+13,X'F0'	... force and F zone
000B2E	47F0	AB6A		00B6A		1995	B	DSORGXT	
					1996	*			
			00B32		1997	DS0#FND	EQU *		
000B32	D202	9180	3003	00180	00003	1998	MVC	DDSORG,3(R3)	Move DSORG type
			00B38		1999	DSOUNMOV	EQU *		
000B38	9101	9536		00536		2000	TM	DS1DSORG,B'00000001'	Unmovable?
000B3C	4780	AB6A		00B6A		2001	BZ	DSORGXT	YES, movable (default)
000B40	92E4	9182		00182		2002	MVI	DDSORG+2,C'U'	NO, unmovable
000B44	47F0	AB6A		00B6A		2003	B	DSORGXT	
					2004	*			
000B48	9100	2000		00000		2005	TMDSORG	TM	0(R2),B'00000000' DSORG TM instruction (EX)
					2006	*			- TBLDS0 Table-----
					2007	*			6 bytes / halfword, offset relative to DS1DSORG
					2008	*			per entry+ 01 bytes, DS1DSORG bit pattern
					2009	*			\ 03 bytes, file organization type
					2010	*			-
000B4C					2011	TBLDSOB	DS	0H	
000B4C	000080C9E240				2012		DC	H'0',B'10000000',C'IS '	ISAM
			00006		2013	TBLDSOL	EQU	*-TBLDSOB	** Entry Length
000B52	000040D7E240				2014		DC	H'0',B'01000000',C'PS '	Sequential
000B58	000020C4C140				2015		DC	H'0',B'00100000',C'DA '	Direct
000B5E	000002D7D640				2016		DC	H'0',B'00000010',C'PO '	Partitioned
000B64	000108E5E240				2017		DC	H'1',B'00001000',C'VS '	VSAM
			00005		2018	TBLDSOE	EQU	(*-TBLDSOB)/TBLDSOL	** Num of entries
			00B6A		2020	DSORGXT	EQU	*	
					2021	*			

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					2023	*	*/*****	
					2024	*	/* Length Attribute (F,V,U)	
					2025	*	/* - R2, R3, R4, R5 Working Registers	
					2026	*	*/*****	
				00B6A	2027	LENTY	EQU *	
000B6A	9240	9183	00183		2028	MVI	DRECFM,C' ' Clear DRECFM	
000B6E	D203	9184	9183	00184	2029	MVC	DRECFM+1(L'DRECFM-1),DRECFM	
000B74	4130	ABA8	00BA8		2030	LA	R3,TBLRFM1B Address of TBL	
000B78	4140	0003	00003		2031	LA	R4,TBLRFM1E Number of tbl entries	
000B7C	4120	9538	00538		2032	LA	R2,DS1RECFM Address of DS1RECFM	
000B80	1B55				2033	SR	R5,R5 Clear R5	
				00B82	2034	LENTYLP	EQU *	
000B82	BF51	3000	00000		2035	ICM	R5,B'0001',0(R3) Load DS1RECFM bit pattern	
000B86	4450	ABA4	00BA4		2036	EX	R5,TMDSRFM1 Execute TM	
000B8A	4710	AB9A	00B9A		2037	BO	LEN#FND Found RECFM Type	
000B8E	4133	0002	00002		2038	LA	R3,TBLRFM1L(R3) Otherwise, check next	
000B92	4640	AB82	00B82		2039	BCT	R4,LENTYLP ... TBL entry	
					2040	*		Exhausted TBL entries
000B96	47F0	ABAE	00BAE		2041	B	LENTYXT	
				00B9A	2042	LEN#FND	EQU *	
000B9A	D200	9183	3001	00183	2043	MVC	DRECFM+0(1),TBLRFM1L-1(R3)	
000BA0	47F0	ABAE	00BAE		2044	B	LENTYXT	
					2045	*		
000BA4	9100	2000	00000		2046	TMDSRFM1	TM 0(R2),B'00000000' DSRFM TM instruction	
					2047	*		
					2048	*	2 bytes / TBLRFM1 Table-----	
					2049	*	per entry+ 01 bytes, DS1RECFM bit pattern	
					2050	*	\ 01 bytes, Length type	
000BA8					2051	TBLRFM1B	DS 0H	
000BA8	C0E4				2052	DC	B'11000000',C'U' Undefined Length	
				00002	2053	TBLRFM1L	EQU *-TBLRFM1B ** Entry Length	
000BAA	40E5				2054	DC	B'01000000',C'V' Variable Length	
000BAC	80C6				2055	DC	B'10000000',C'F' Fixed Length	
				00003	2056	TBLRFM1E	EQU (*-TBLRFM1B)/TBLRFM1L ** Num of entries	
					2057	*		
				00BAE	2058	LENTYXT	EQU *	
					2059	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					2061	*	*/*****	
					2062	*	/* Block attribute (B)	
					2063	*	*/*****	
				00BAE	2064	BLK	EQU *	
000BAE	9110	9538	00538		2065	TM	DS1RECFM,B'00010000'	Blocked
000BB2	4710	ABBA	00BBA		2066	BO	BLK#B	
000BB6	47F0	ABC2	00BC2		2067	B	BLKXT	
				00BBA	2068	BLK#B	EQU *	
000BBA	92C2	9184	00184		2069	MVI	DRECFM+1,C'B'	Blocked
000BBE	47F0	ABC2	00BC2		2070	B	BLKXT	
				00BC2	2071	BLKXT	EQU *	
					2072	*	*	
					2073	*	*/*****	
					2074	*	/* Span - Standard Attribute (S)	
					2075	*	*/*****	
				00BC2	2076	SPNCHR	EQU *	
000BC2	9108	9538	00538		2077	TM	DS1RECFM,B'00001000'	Span - Standard
000BC6	4710	ABCE	00BCE		2078	BO	SPN#S	
000BCA	47F0	ABD2	00BD2		2079	B	SPNCHRXT	
				00BCE	2080	SPN#S	EQU *	
000BCE	92E2	9185	00185		2081	MVI	DRECFM+2,C'S'	Span - Standard
				00BD2	2082	SPNCHRXT	EQU *	
					2083	*	*	
					2084	*	*/*****	
					2085	*	/* Track Overflow Attribute (T)	
					2086	*	*/*****	
				00BD2	2087	OVFCHR	EQU *	
000BD2	9120	9538	00538		2088	TM	DS1RECFM,B'00100000'	Track Overflow
000BD6	4710	ABDE	00BDE		2089	BO	OVF#S	
000BDA	47F0	ABE2	00BE2		2090	B	OVFCHRXT	
				00BDE	2091	OVF#S	EQU *	
000BDE	92E3	9186	00186		2092	MVI	DRECFM+3,C'T'	Track Overflow
				00BE2	2093	OVFCHRXT	EQU *	
					2094	*	*	
					2095	*	*/*****	
					2096	*	/* ANSI Control Character Attribute (A,M)	
					2097	*	*/*****	
				00BE2	2098	CTLCHR	EQU *	
000BE2	9104	9538	00538		2099	TM	DS1RECFM,B'00000100'	ANSI
000BE6	4710	ABF6	00BF6		2100	BO	CTL#A	
000BEA	9102	9538	00538		2101	TM	DS1RECFM,B'00000010'	Machine Code
000BEE	4710	ABFE	00BFE		2102	BO	CTL#M	
000BF2	47F0	AC06	00C06		2103	B	CTLCHRXT	
				00BF6	2104	CTL#A	EQU *	ANSI Control Character
000BF6	92C1	9187	00187		2105	MVI	DRECFM+4,C'A'	
000BFA	47F0	AC06	00C06		2106	B	CTLCHRXT	
				00BFE	2107	CTL#M	EQU *	Machine Code Control Character
000BFE	92D4	9187	00187		2108	MVI	DRECFM+4,C'M'	
000C02	47F0	AC06	00C06		2109	B	CTLCHRXT	
				00C06	2110	CTLCHRXT	EQU *	
					2111	*	*	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					2113	*	*/*****/	
					2114	*	/* Record Format - Concatenate RECFM characters */	
					2115	*	/* #Data source: 09 SYSRECFM */	
					2116	*	/* - R2, R3, R4 Working Registers */	
					2117	*	*/*****/	
			00C06		2118	RECFM	EQU *	
000C06	9240	9330	00330		2119		MVI DW,C' ' Clear DW Temp Workarea 8-bytes	
000C0A	D206	9331	9330	00331	00330	2120	MVC DW+1(L'DW-1),DW	
000C10	4120	9183		00183		2121	LA R2,DRECFM Load Addr of DRECFM	
000C14	4130	0005		00005		2122	LA R3,L'DRECFM Load Length of DRECFM	
000C18	4140	9330		00330		2123	LA R4,DW Load Addr of DW	
			00C1C		2124	RECFML	EQU *	
000C1C	9540	2000		00000		2125	CLI 0(R2),C' ' Blank?	
000C20	4780	AC2E		00C2E		2126	BE RECFMLA YES, skip, next DRECFM position	
000C24	D200	4000	2000	00000	00000	2127	MVC 0(1,R4),0(R2) NO, move DRECFM pos to DW	
000C2A	4144	0001		00001		2128	LA R4,1(R4) Point to next DW position	
			00C2E		2129	RECFMLA	EQU *	
000C2E	4122	0001		00001		2130	LA R2,1(R2) Point to next DRECFM position	
000C32	4630	AC1C		00C1C		2131	BCT R3,RECFML Do again.	
000C36	D204	9183	9330	00183	00330	2132	MVC DRECFM,DW Move temp work to DRECFM	
			00C3C		2133	RECFMXT	EQU *	
					2134	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
					2136 *	/* *****/	
					2137 *	/* Allocation Parameters CYL,TRK,BLK,ABS	*/
					2138 *	/* Calculate SYSPRIMARY and SYSUSED	*/
					2139 *	/* #Data source: 23 SYSUNITS	*/
					2140 *	/* #Data source: 43 SYSPRIMARY	*/
					2141 *	/* #Data source: 44 SYSUSED	*/
					2142 *	/* - R2, R3, R5 Working Registers	*/
					2143 *	/* *****/	
			00C3C		2144 SSPC	EQU *	
					2145 **	DISPLAY DATA=(DS1SCALO,B,1)	
000C3C	91C0	9542	00542		2146	TM DS1SCALO,X'C0' Allocation- CYL	
					2147 *	TM DS1SCALO,B'11000000' Allocation- CYL	
000C40	4710	AC58	00C58		2148	BO SSPC#CYL	
000C44	9180	9542	00542		2149	TM DS1SCALO,X'80' Allocation- TRK	
					2150 *	TM DS1SCALO,B'10000000' Allocation- TRK	
000C48	4710	AC8E	00C8E		2151	BO SSPC#TRK	
000C4C	9140	9542	00542		2152	TM DS1SCALO,X'40' Allocation- BLK	
					2153 *	TM DS1SCALO,B'01000000' Allocation- BLK	
000C50	4710	ACD8	00CD8		2154	BO SSPC#BLK	
000C54	47F0	ACBC	00CBC		2155	B SSPC#ABS Must be Allocation - ABS	
			00C58		2156 SSPC#CYL	EQU *	
000C58	D207	91ED C088	001ED 02088		2157	MVC DSSPC,=C'CYLINDER' CYLINDER Allocation...	LB1010c
					2158 *	/* Calculate SYSPRIMARY=CYLSTOTA	*/
000C5E	5850	9354	00354		2159	L R5,CYLSTOTA ... and convert	
000C62	4E50	9330	00330		2160	CVD R5,DW ... to decimal	
000C66	F342	925B 9335	0025B 00335		2161	UNPK DPSPCAL,DW+5(3) Unpack and	
000C6C	96F0	925F	0025F		2162	OI DPSPCAL+4,X'F0' ... force and F zone	
					2163 *	/* Calculate SYSUSED=TTRKUSED/TRKSCYL	*/
000C70	5830	934C	0034C		2164	L R3,TTRKUSED TTRKSUSED	
000C74	5C20	C0D0	020D0		2165	M R2,=F'1'	
000C78	5D20	9340	00340		2166	D R2,TRKSCYL TTRKSUSED/TRKSCYL	
000C7C	4E30	9330	00330		2167	CVD R3,DW	
000C80	F342	9260 9335	00260 00335		2168	UNPK DPSPCUS,DW+5(3) Unpack and	
000C86	96F0	9264	00264		2169	OI DPSPCUS+4,X'F0' ... force and F zone	
000C8A	47F0	AD0E	00D0E		2170	B SSPCXT	
			00C8E		2171 SSPC#TRK	EQU *	
000C8E	D207	91ED C090	001ED 02090		2172	MVC DSSPC,=C'TRACK ' TRACK Allocation...	LB1010c
					2173 *	/* Calculate SYSPRIMARY=TRKSTOTA	*/
000C94	5850	9348	00348		2174	L R5,TRKSTOTA ... and convert	
000C98	4E50	9330	00330		2175	CVD R5,DW ... to decimal	
000C9C	F342	925B 9335	0025B 00335		2176	UNPK DPSPCAL,DW+5(3) Unpack and	
000CA2	96F0	925F	0025F		2177	OI DPSPCAL+4,X'F0' ... force and F zone	
					2178 *	/* Calculate SYSUSED=TTRKUSED	*/
000CA6	5850	934C	0034C		2179	L R5,TTRKUSED ... and convert	
000CAA	4E50	9330	00330		2180	CVD R5,DW ... to decimal	
000CAE	F342	9260 9335	00260 00335		2181	UNPK DPSPCUS,DW+5(3) Unpack and	
000CB4	96F0	9264	00264		2182	OI DPSPCUS+4,X'F0' ... force and F zone	
000CB8	47F0	AD0E	00D0E		2183	B SSPCXT	
					2184 *		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
				00CBC	2186	SSPC#ABS	EQU *	
000CBC	D207	91ED	C098	001ED	02098	2187	MVC DSSPC,=C'ABSOLUTE'	ABSOLUTE Allocation... LB1010c
					2188	*	/* Calculate SYSPRIMARY=TRKSTOTA	*/
000CC2	5850	9348		00348	2189	L	R5,TRKSTOTA	... and convert
000CC6	4E50	9330		00330	2190	CVD	R5,DW	... to decimal
000CCA	F342	925B	9335	0025B	00335	2191	UNPK DPSPCAL,DW+5(3)	Unpack and
000CD0	96F0	925F		0025F	2192	OI	DPSPCAL+4,X'F0'	... force and F zone
					2193	*	/* Calculate SYSUSED= not applicable	*/
000CD4	47F0	AD0E		00D0E	2194	B	SSPCXT	
				00CD8	2195	SSPC#BLK	EQU *	
000CD8	D207	91ED	C0A0	001ED	020A0	2196	MVC DSSPC,=C'BLOCK'	BLOCK Allocation... LB1010c
					2197	*	/* Calculate SYSPRIMARY=TRKSTOTA*BLKSPTRK	*/
000CDE	5830	9348		00348	2198	L	R3,TRKSTOTA	TRKSTOTA
000CE2	5C20	935C		0035C	2199	M	R2,BLKSPTRK	BLKSPTRK
000CE6	4E30	9330		00330	2200	CVD	R3,DW	... to decimal
000CEA	F342	925B	9335	0025B	00335	2201	UNPK DPSPCAL,DW+5(3)	Unpack and
000CF0	96F0	925F		0025F	2202	OI	DPSPCAL+4,X'F0'	... force and F zone
					2203	*	/* Calculate SYSUSED=TTRKUSED*BLKSPTRK	*/
000CF4	5830	934C		0034C	2204	L	R3,TTRKUSED	TRKSUSED
000CF8	5C20	935C		0035C	2205	M	R2,BLKSPTRK	BLKSPTRK
000CFC	4E30	9330		00330	2206	CVD	R3,DW	... to decimal
000D00	F342	9260	9335	00260	00335	2207	UNPK DPSPCUS,DW+5(3)	Unpack and
000D06	96F0	9264		00264	2208	OI	DPSPCUS+4,X'F0'	... force and F zone
000D0A	47F0	AD0E		00D0E	2209	B	SSPCXT	
				00D0E	2210	SSPCXT	EQU *	
000D0E	D204	9288	925B	00288	0025B	2211	MVC DALLOC,DPSPCAL	Allocation in space units LB1010d
					2212	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					2214	*	/* ***** */	
					2215	*	/* Secondary Allocation Quantity */	
					2216	*	/* #Data source: 27 SYSSECONDS */	
					2217	*	/* - R3 Working Register */	
					2218	*	/* ***** */	
			00D14		2219	SSPCNM	EQU *	
000D14	D703	9338	9338	00338	2220		XC FW,FW	Clear contents
000D1A	D202	9339	9543	00339	2221		MVC FW+1(3),DS1SCALO+1	Get Secondary Allocation quantity
000D20	5830	9338		00338	2222		L R3,FW	... and convert
000D24	4E30	9330		00330	2223		CVD R3,DW	... to decimal
000D28	F363	91F5	9334	001F5	2224		UNPK DSSPCNM,DW+4(4)	Unpack and
000D2E	96F0	91FB		001FB	2225		OI DSSPCNM+6,X'F0'	... force and F zone
			00D32		2226	SSPCNMXT	EQU *	
					2227	*	/* ***** */	
					2228	*	/* Password Protection */	
					2229	*	/* #Data source: 14 SYSPASSWORD */	
					2230	*	/* ***** */	
			00D32		2231		/* ***** */	
					2232	PASSWD	EQU *	
					2233	**	DISPLAY DATA=(DS1DSIND+49,B,1)	
000D32	9114	9541		00541	2234		TM DS1DSIND,X'14'	Write Password required?
000D36	4710	AD4C		00D4C	2235		BO WRPW	YES.
000D3A	9110	9541		00541	2236		TM DS1DSIND,X'10'	Read-Write PW required?
000D3E	4710	AD56		00D56	2237		BO RWPW	YES.
			00D42		2238	PWDNONE	EQU *	
000D42	D204	91D5	C189	001D5	2239		MVC DPASSWD,=C'NONE '	No password needed
000D48	47F0	AD60		00D60	2240		B PASSWDXT	
			00D4C		2241	WRPW	EQU *	
000D4C	D204	91D5	C18E	001D5	2242		MVC DPASSWD,=C'WRITE'	Password needed for READ
000D52	47F0	AD60		00D60	2243		B PASSWDXT	
			00D56		2244	RWPW	EQU *	
000D56	D204	91D5	C193	001D5	2245		MVC DPASSWD,=C'R_W '	Password needed for READ/WRITE
000D5C	47F0	AD60		00D60	2246		B PASSWDXT	
			00D60		2247	PASSWDXT	EQU *	
					2248	*	/* ***** */	
					2249	*	/* RACF Secured */	
					2250	*	/* #Data source: 15 SYSRACF */	
					2251	*	/* ***** */	
			00D60		2252		/* ***** */	
					2253	RACF	EQU *	
000D60	9140	9541		00541	2254		TM DS1DSIND,X'40'	RACF defined?
000D64	4710	AD72		00D72	2255		BO RACFRQD	YES.
			00D68		2256	RACFNONE	EQU *	
000D68	D203	91DA	C0D4	001DA	2257		MVC DRACF,=C'NONE'	No RACF
000D6E	47F0	AD7C		00D7C	2258		B RACFXT	
			00D72		2259	RACFRQD	EQU *	
000D72	D203	91DA	C0D8	001DA	2260		MVC DRACF,=C'RACF'	We have RACF...
000D78	47F0	AD7C		00D7C	2261		B RACFXT	
			00D7C		2262	RACFXT	EQU *	
					2263	*	/* ***** */	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					2265	*	*/*****	
					2266	*	/* File Create Date X'yy0jjj'	
					2267	*	/* #Data source: 05 SYSCREATE	
					2268	*	/* #Data source: 31 SYSJCREATE	
					2269	*	/* #Data source: 37 SYSCCREATE	
					2270	*	/* - R6, R7 Working Register	
					2271	*	*/*****	
			00D7C		2272	CREDIT	EQU *	
000D7C	D207	9188	C1C5	00188	021C5	2273	MVC DCREDIT,ZEROCL11	Default date CCYY/JJJ LB1001b
000D82	D200	918C	92A5	0018C	002A5	2274	MVC DCREDIT+4(1),DATESEP	Date Separator value LB1001a
000D88	D204	9190	C1C5	00190	021C5	2275	MVC DCREDJ,ZEROCL11	Default date YYJJJ LB1001b
000D8E	D20A	929A	C1C5	0029A	021C5	2276	MVC DC#MDCY,ZEROCL11	Default date MM/DD/CCYY LB1001b
000D94	4570	B782		01782		2277	BAL R7,DFMT	Format Date CCYY MM DD LB1001b
000D98	D209	9195	92A7	00195	002A7	2278	MVC DCREDC,DATEWA	LB1001b
000D9E	D502	9519	C198	00519	02198	2279	CLC DS1CREDIT,=X'000000'	Zero date?
000DA4	4780	ADD2		00DD2		2280	BE CREDITXT	YES, done.
000DA8	4160	9519		00519		2281	LA R6,DS1CREDIT	Create Date
000DAC	4570	B964		01964		2282	BAL R7,DATECONV	Convert date to CCYY/JJJJ
000DB0	D203	9188	92A1	00188	002A1	2283	MVC DCREDIT(4),DC#CCYY+1	CCYY -\ JulianCCYY
000DB6	D202	918D	9294	0018D	00294	2284	MVC DCREDIT+5(3),DC#JJJ	JJJ +---- CCYY/JJJ
000DBC	D201	9190	92A3	00190	002A3	2285	MVC DCREDJ(2),DC#CCYY+3	YY -\ MVS38J
000DC2	D202	9192	9294	00192	00294	2286	MVC DCREDJ+2(3),DC#JJJ	JJJ +---- YYJJJ
000DC8	4570	B782		01782		2287	BAL R7,DFMT	Format Date CCYY MM DD LB1001b
000DCC	D209	9195	92A7	00195	002A7	2288	MVC DCREDC,DATEWA	LB1001b
			00DD2		2289	CREDITXT	EQU *	
					2290	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					2292	*	/* *****/	
					2293	*	/* File Expire Date X'yy0jjj' */	
					2294	*	/* #Data source: 06 SYSEXDATE */	
					2295	*	/* #Data source: 32 SYSJEXDATE */	
					2296	*	/* #Data source: 38 SYSCEXDATE */	
					2297	*	/* - R6, R7 Working Register */	
					2298	*	/* *****/	
			00DD2		2299	EXPDT	EQU *	
000DD2	D207	919F	C1C5	0019F	021C5	2300	MVC DEXPDT,ZEROCL11	Default date CCYY/JJJ LB1001b
000DD8	D200	91A3	92A5	001A3	002A5	2301	MVC DEXPDT+4(1),DATESEP	Date Separator value LB1001a
000DDE	D204	91A7	C1C5	001A7	021C5	2302	MVC DEXPDJ,ZEROCL11	Default date YYJJJ LB1001b
000DE4	D20A	929A	C1C5	0029A	021C5	2303	MVC DC#MDCY,ZEROCL11	Default date MM/DD/CCYY LB1001b
000DEA	4570	B782		01782		2304	BAL R7,DFMT	Format Date CCYY MM DD LB1001b
000DEE	D209	91AC	92A7	001AC	002A7	2305	MVC DEXPDC,DATEWA	LB1001b
000DF4	D502	951C	C198	0051C	02198	2306	CLC DS1EXPDT,=X'000000'	Zero date?
000DFA	4780	AE28		00E28		2307	BE EXPDXT	YES, done.
000DFE	4160	951C		0051C		2308	LA R6,DS1EXPDT	Expire Date
000E02	4570	B964		01964		2309	BAL R7,DATECONV	Convert date to CCYY/JJJJ
000E06	D203	919F	92A1	0019F	002A1	2310	MVC DEXPDT(4),DC#CCYY+1	CCYY -\ JulianCCYY
000E0C	D202	91A4	9294	001A4	00294	2311	MVC DEXPDT+5(3),DC#JJJ	JJJ +---- CCYY/JJJ
000E12	D201	91A7	92A3	001A7	002A3	2312	MVC DEXPDJ(2),DC#CCYY+3	YY -\ MVS38J
000E18	D202	91A9	9294	001A9	00294	2313	MVC DEXPDJ+2(3),DC#JJJ	JJJ +---- YYJJJ
000E1E	4570	B782		01782		2314	BAL R7,DFMT	Format Date CCYY MM DD LB1001b
000E22	D209	91AC	92A7	001AC	002A7	2315	MVC DEXPDC,DATEWA	LB1001b
			00E28		2316	EXPDXT	EQU *	
					2317	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					2319	*	*/*****	
					2320	*	/* File Reference Date X'yy0jjj'	
					2321	*	/* #Data source: 07 SYSREFDATE	
					2322	*	/* #Data source: 33 SYSJREFDATE	
					2323	*	/* #Data source: 39 SYSCREFDATE	
					2324	*	/* - R6, R7 Working Register	
					2325	*	*/*****	
			00E28		2326	REFDT	EQU *	
000E28	D207	91B6	C1C5	001B6	021C5	2327	MVC DREFDT,ZEROCL11	Default date CCYY/JJJ LB1001b
000E2E	D200	91BA	92A5	001BA	002A5	2328	MVC DREFDT+4(1),DATESEP	Date Separator value LB1001a
000E34	D204	91BE	C1C5	001BE	021C5	2329	MVC DREFDJ,ZEROCL11	Default date YYJJJ LB1001b
000E3A	D20A	929A	C1C5	0029A	021C5	2330	MVC DC#MDCY,ZEROCL11	Default date MM/DD/CCYY LB1001b
000E40	4570	B782		01782		2331	BAL R7,DFMT	Format Date CCYY MM DD LB1001b
000E44	D209	91C3	92A7	001C3	002A7	2332	MVC DREFDC,DATEWA	LB1001b
000E4A	D502	952F	C198	0052F	02198	2333	CLC DS1REFD,=X'000000'	Zero date?
000E50	4780	AE7E		00E7E		2334	BE REFDTXT	YES, done.
000E54	4160	952F		0052F		2335	LA R6,DS1REFD	Referenced Date
000E58	4570	B964		01964		2336	BAL R7,DATECONV	Convert date to CCYY/JJJJ
000E5C	D203	91B6	92A1	001B6	002A1	2337	MVC DREFDT(4),DC#CCYY+1	CCYY -\ JulianCCYY
000E62	D202	91BB	9294	001BB	00294	2338	MVC DREFDT+5(3),DC#JJJ	JJJ +---- CCYY/JJJ
000E68	D201	91BE	92A3	001BE	002A3	2339	MVC DREFDJ(2),DC#CCYY+3	YY -\ MVS38J
000E6E	D202	91C0	9294	001C0	00294	2340	MVC DREFDJ+2(3),DC#JJJ	JJJ +---- YYJJJ
000E74	4570	B782		01782		2341	BAL R7,DFMT	Format Date CCYY MM DD LB1001b
000E78	D209	91C3	92A7	001C3	002A7	2342	MVC DREFDC,DATEWA	LB1001b
			00E7E		2343	REFDTXT	EQU *	
					2344	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					2346	*	/* *****	*/
					2347	*	/* Device Type	*/
					2348	*	/* For catalogued Datasets, use catalog unit type	*/
					2349	*	/* to determine device type	*/
					2350	*	/* For Uncatalogued Datasets, match VOLSER in UCB list	*/
					2351	*	/* to obtain unit type to determine device type	*/
					2352	*	/* #Data source: 22 SYSUNIT	*/
					2353	*	/* - R4, R2, R3, R5, R6 Working Registers	*/
					2354	*	/* *****	*/
			00E7E		2355	DEVTP	EQU *	
000E7E	95E8	9254	00254		2356		CLI DDSCAT,C'Y'	Dataset catalogued?
000E82	4780	AEC0	00EC0		2357		BE GETDEVTY	YES, branch to GETDEVTY
					2358	*		NO, find unit type from VOLSER
					2359	*		using UCB
000E86	5840	0010	00010		2360		L R4,CVTPTR	Address of CVT
				00000	2361		USING CVT,R4	
000E8A	5820	4028	00028		2362		L R2,CVTILK2	Address of UCB Lookup table
				00000	2363		USING UCB,R3	
				00E8E	2364	UCBSCAN	EQU *	
000E8E	1B33				2365		SR R3,R3	Clear R3
000E90	4832	0000	00000		2366		LH R3,0(R2)	Point to UCB
000E94	4122	0002	00002		2367		LA R2,2(R2)	Bump to next UCB entry
000E98	1233				2368		LTR R3,R3	NULL?
000E9A	4780	AE8E	00E8E		2369		BZ UCBSCAN	YES, get another
000E9E	5530	C0DC	020DC		2370		CL R3,=X'0000FFFF'	End of UCB Table?
000EA2	4780	AFA8	00FA8		2371		BE DEVTPXT	YES. Done.
000EA6	9180	3000	00000		2372		TM UCBJBNR,UCBVRDEV	VIO Device?
000EAA	4710	AE8E	00E8E		2373		BO UCBSCAN	NO, re-scan
000EAE	9180	3003	00003		2374		TM UCBSTAT,UCBONLI	Device ONLINE?
000EB2	47E0	AE8E	00E8E		2375		BNO UCBSCAN	NO, re-scan
000EB6	D505	9170	301C	00170	2376		CLC DVOLSER,UCBVOLI	Is this the VOLUME?
000EBC	4770	AE8E	00E8E		2377		BNE UCBSCAN	NO, re-scan
					2378	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM
					2380	*	/* *****/	0201 18.53 04/12/20
					2381	*	/* Find device type (e.g. 3350) given unit type */	
					2382	*	/* using below table (DVCLST) */	
					2383	*	/* -JMSG'DeviceType xxx not defined in table' */	
					2384	*	/* - R4, R2, R3, R5, R6 Working Registers */	
					2385	*	/* *****/	
			00EC0		2386	GETDEVTY	EQU * YES, determine type!	
000EC0	4150	0010	00010		2387	LA	R5,DVCLST\$E Load # of DVCLST entries	
000EC4	4160	AF28	00F28		2388	LA	R6,DVCLST\$ Address of DVCLST entries	
			00EC8		2389	LOOK4DT	EQU * *	
000EC8	95E8	9254	00254		2390	CLI	DDSCAT,C'Y' Dataset catalogued?	
000ECC	4780	AEDE	00EDE		2391	BE	LOOK4DT2 YES, check catlg device type	
			00ED0		2392	LOOK4DT1	EQU * *	
					2393	**	CLC 19(1,R3),0(R6) NO. UCB device type in table?	
000ED0	D500	3013	6000	00013	00000	2394	CLC UCBUNTYP,0(R6) NO. UCB device type in table?	
000ED6	4780	AF1E	00F1E		2395	BE	DEVFND YES, found device in table	
000EDA	47F0	AEE8	00EE8		2396	B	LOOK4DT3 NO, check next one...	
			00EDE		2397	LOOK4DT2	EQU * *	
000EDE	D500	9405	6000	00405	00000	2398	CLC LOCAUNTY,0(R6) Catlg device type in table?	
000EE4	4780	AF1E	00F1E		2399	BE	DEVFND YES, found device in table	
			00EE8		2400	LOOK4DT3	EQU * *	
000EE8	4166	0008	00008		2401	LA	R6,DVCLST\$(R6) NO, point to next device entry	
000EEC	4650	AEC8	00EC8		2402	BCT	R5,LOOK4DT Look at next entry	
			00EF0		2403	NODEVFND	EQU * *	
					2404	*	Not defined, Error.	
000EF0	D222	90BA	CA20	000BA	02A20	2405	MVC DJMSG(L'MSGJ025),MSGJ025 Move to &SYSLISTDSJMSG	
000EF6	D209	90BA	C142	000BA	02142	2406	MVC DJMSG(10),=C'DeviceType'	
000EFC	D703	9338	9338	00338	00338	2407	XC FW,FW	
000F02	D200	933B	3013	0033B	00013	2408	MVC FW+3(1),19(R3)	
000F08	58F0	9338		00338		2409	L R15,FW	
000F0C	4EF0	9330		00330		2410	CVD R15,DW Convert to decmial	
000F10	F321	90C5	9336	000C5	00336	2411	UNPK DJMSG+11(3),DW+6(2) Unpack and	
000F16	96F0	90C7		000C7		2412	OI DJMSG+13,X'F0' ... force and F zone	
000F1A	47F0	AFA8		00FA8		2413	B DEVTPXT	
			00F1E		2414	DEVFND	EQU * *	
000F1E	D206	91FC	6001	001FC	00001	2415	MVC DUNIT,1(R6) MOVE DEVTTYPE	
000F24	47F0	AFA8		00FA8		2416	B DEVTPXT	
					2417	*		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				2419 *	8 bytes / DVCLST Table-----	
				2420 *	per entry+ 01 bytes, device type code	
				2421 *	\ 07 bytes, Device Type	
				2422 *		
000F28	006F6F5C5C5C6F6F			2423 DVCLST\$ DC	X'00',CL7'??**??'	
		00008		2424 DVCLST\$L EQU	*-DVCLST\$ Table Entry length	
000F30	01F2F3F1F1404040			2425 DC	X'01',CL7'2311	
000F38	02F2F3F0F1404040			2426 DC	X'02',CL7'2301	
000F40	03F2F3F0F3404040			2427 DC	X'03',CL7'2303	
000F48	04F9F3F4F5404040			2428 DC	X'04',CL7'9345	
000F50	05F2F3F2F1404040			2429 DC	X'05',CL7'2321	
000F58	06F2F3F0F560F140			2430 DC	X'06',CL7'2305-1	
000F60	07F2F3F0F560F240			2431 DC	X'07',CL7'2305-2	
000F68	08F2F3F1F4404040			2432 DC	X'08',CL7'2314	
000F70	09F3F3F3F0404040			2433 DC	X'09',CL7'3330	
000F78	0AF3F3F4F0404040			2434 DC	X'0A',CL7'3340	
000F80	0BF3F3F5F0404040			2435 DC	X'0B',CL7'3350	
000F88	0CF3F3F7F5404040			2436 DC	X'0C',CL7'3375	
000F90	0DF3F3F3F060F1F1			2437 DC	X'0D',CL7'3330-11	
000F98	0EF3F3F8F0404040			2438 DC	X'0E',CL7'3380	
000FA0	0FF3F3F9F0404040			2439 DC	X'0F',CL7'3390	
		00010		2440 DVCLST\$E EQU	(*-DVCLST\$)/DVCLST\$L Table Entries	
				2441 *		
		00FA8		2442 DEVTPXT EQU	*	
				2443 *		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					2445	*	/* *****/	
					2446	*	/* PO Directory Information */	
					2447	*	/* Allocate PDS */	
					2448	*	/* -JMSG'RC=xxx Allocate PDS error' */	
					2449	*	/* - R7, R2, R1 Working Register */	
					2450	*	/* - R15 Working Register and RC exit code register */	
					2451	*	/* *****/	
			00FA8		2452	PODDIR	EQU *	
			00FA8		2453	PODALLOC	EQU *	
000FA8	95E8	93A9	003A9		2454		CLI PDIR,C'Y'	PDS DIR Info requested?
000FAC	4770	B49C	0149C		2455		BNE PODDIRXT	NO, bypass PDS Info
000FB0	D501	9180	C14C	00180	2456		CLC DDSORG(2),=C'PO'	YES. Is file a PDS?
000FB6	4770	B496	01496		2457		BNE PODDIRNN	NO, bypass PDS Info w/ MSG
000FBA	95D5	93AD	003AD		2459		CLI PDL,C'N'	Create Directory List? LB1010h
000FBE	4780	B012	01012		2460		BE PODALCGO	No, continue to DIR stats LB1010h
					2461	*		Yes, add ISPF stats LB1010h
000FC2	D200	92BC	93AD	002BC	2462		MVC TBN+6(1),PDL	Table Name Number (0 or 1) LB1010h
					2463	*	/* *****/	LB1010h
					2464	*	/* ISPLINK Entry Point */	LB1010h
					2465	*	/* *****/	LB1010h
000FC8	D703	9074	9074	00074	2466		XC ISPLINK,ISPLINK	Clear ISPLINK Address LB1010h
					2467		LOAD EP=ISPLINK,ERRET=NOISPLNK	LB1010h
000FF0	5000	9074		00074	2477		ST R0,ISPLINK	Save ISPLINK Entry Point LB1010h
000FF4	47F0	B006		01006	2478		B OKISPLNK	Continue... LB1010h
				00FF8	2479	NOISPLNK	EQU *	LB1010h
000FF8	92D5	93AD		003AD	2480		MVI PDL,C'N'	Force Dir List OFF! LB1010h
000FFC	D211	90C1	C14E	000C1	2481		MVC DJMSG+7(18),=C'NO ISPLINK SUPPORT'	LB1010h
001002	47F0	B012		01012	2482		B PODALCGO	No, continue to DIR stats LB1010h
				01006	2483	OKISPLNK	EQU *	LB1010h
001006	4570	BA8C		01A8C	2484		BAL R7,VARDEFS	Define ISPF Functional variables LB1010h
00100A	4570	BCC0		01CC0	2485		BAL R7,ERASETB	Erase existing ISPF table LB1010h
00100E	4570	BCFE		01CFE	2486		BAL R7,CREATETB	Create ISPF table LB1010h
				01012	2487	PODALCGO	EQU *	LB1010h
001012	4570	B822		01822	2488		BAL R7,PDSALC	YES, allocate dataset
001016	12FF				2489		LTR R15,R15	Successful?
001018	4780	B046		01046	2490		BZ PODINFO	YES, get DIR information
					2491	*		NO, ERROR, cannot alloc PDS
00101C	D218	90BA	C990	000BA	2492		MVC DJMSG(L'MSGJ017),MSGJ017	Move to &SYSLISTDSJMSG
001022	4EF0	9330		00330	2493		CVD R15,DW	Convert to decimal
001026	F321	90BD	9336	000BD	2494		UNPK DJMSG+3(3),DW+6(2)	Unpack and
00102C	96F0	90BF		000BF	2495		OI DJMSG+5,X'F0'	... force and F zone
001030	D201	911E	C160	0011E	2496		MVC DRSCODE,=C'02'	Dynam Alloc error
001036	D203	933C	C0E0	0033C	2497		MVC RCEXIT,=F'04'	
00103C	D201	936A	C162	0036A	2498		MVC RC,=C'04'	
001042	47F0	B49C		0149C	2499		B ENDME	Done, exit.
					2500	*		

2502	*	*	PDS DIR BLOCK STRUCTURE					
2503	*	*	+-----+ +-----+ +-----+ +-----+ +-----+ +-----+					
2504	*	*	Count	Key	Data			
2505	*	*	()	(8)	(256)			
2506	*	*	+-----+ +-----+ +-----+ +-----+ +-----+ +-----+					
2507	*	*						
2508	*	*	The KEY is an external key to the data block. It contains					
2509	*	*	the last member name in the block for search efficiency.					
2510	*	*						
2511	*	*	+-----+ +-----+ +-----+ +-----+ +-----+ +-----+					
2512	*	*	Data(256)					
2513	*	*	+-----+ +-----+ +-----+ +-----+ +-----+ +-----+					
2514	*	*	DIR Bytes	Member	Member	Member	Member	Unused
2515	*	*	Used (2)	Ent #1	Ent #2	Ent #3	Ent #n	
2516	*	*	+-----+ +-----+ +-----+ +-----+ +-----+ +-----+					
2517	*	*						
2518	*	*	+-----+ +-----+ +-----+ +-----+ +-----+ +-----+					
2519	*	*	Member Entry					
2520	*	*	+-----+ +-----+ +-----+ +-----+ +-----+ +-----+					
2521	*	*	Member	TTR	C	Optional User Data		
2522	*	*	Name (8)	(3)	(1)	(2-62)		
2523	*	*	+-----+ +-----+ +-----+ +-----+ +-----+ +-----+					
2524	*	*						
2525	*	*	PDS dir block is 256 bytes in length. First 2 bytes contains					
2526	*	*	a count field representing the number of bytes used INCLUDING					
2527	*	*	count field (2 bytes). The remaining 254 bytes contain					
2528	*	*	member entries.					
2529	*	*						
2530	*	*	Last member entry contains binary ones. All the directory					
2531	*	*	blocks that follow are unused. This is key when counting					
2532	*	*	used and unused blocks.					
2533	*	*						
2534	*	*	C in Member Entry:					
2535	*	*	Bit 0-0 0=Primary Name 1=Alias Name					
2536	*	*	Bit 1-2 Number of TTRN fields in the user data					
2537	*	*	Bit 3-7 Length of user data in HALFWORDS					
2538	*	*						
2539	*	*						

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					2541	*	/* *****/	
					2542	*	/* PO Directory Information */	
					2543	*	/* Get DIR block and member count information */	
					2544	*	/* -JMSG'RC=xxx Open PDS error' */	
					2545	*	/* - R7, R0, R1, R2 ,R3 Working Register */	LB1010h
					2546	*	/* - R15 Working Register and RC exit code register */	
					2547	*	/* *****/	
				01046	2548	PODINFO	EQU *	Initialize FW counters
001046	D703	986C	986C	0086C	0086C	2549	XC	PODBLKS,PODBLKS Zero PDS DIR Blocks Count
00104C	D703	9870	9870	00870	00870	2550	XC	PODBLKSU,PODBLKSU Zero PDS Used DIR Blocks Count
001052	D703	9874	9874	00874	00874	2551	XC	POMEMS,POMEMS Zero PDS Member Count
001058	D703	9878	9878	00878	00878	2552	XC	POALIS,POALIS Zero PDS Alias Count
					2553	*		
					2554	*		
					2555	LA	R2,DIRDCBW	Init DIRDCBW from DIRDCB
00105E	4120	9880		00880				Addr of myDIRDCB
001062	D257	2000	CC6C	00000	02C6C	2556	MVC	0(DIRDCBL,R2),DIRDCB Init myDIRDCB with DIRDCB
001068	D207	2028	9860	00028	00860	2557	MVC	DDNAM(8,R2),DDNAME Apply DDN from DAIR
00106E	9280	98EC		008EC		2558	MVI	PARMVL1,X'80' Mark as last parm FW (VL=1)
					2559	PRINT	GEN	
				01072	2560	PODOPEN	EQU *	
					2561	OPEN	((R2),INPUT),MF=(E,PARMVL1)	Open DIRDCBW execute form
001072	4110	98EC		008EC		2562+	LA	1,PARMVL1 LOAD PARAMETER REG 1 01900002
001076	94F0	1000		00000		2563+	NI	0(1),X'F0' CLEAR OPTION 1 BITS 03780001
00107A	43E1	0000		00000		2564+	IC	14,0(1,0) SAVE OPTION BYTE 03440000
00107E	5021	0000		00000		2565+	ST	R2,0(1,0) STORE INTO LIST 03620000
001082	42E1	0000		00000		2566+	STC	14,0(1,0) RESTORE OPTION BYTE 03520001
001086	0A13					2567+	SVC	19 ISSUE OPEN SVC 04000000
001088	12FF					2568	LTR	R15,R15 Successful?
00108A	4780	B0B8		010B8		2569	BZ	PODCONT0 YES, continue...
					2570	*		NO, ERROR, cannot open PDS
00108E	D214	90BA	CA6D	000BA	02A6D	2571	MVC	DJMSG(L'MSGJ030),MSGJ030 Move to &SYSLISTDSJMSG
001094	4EF0	9330		00330		2572	CVD	R15,DW Convert to decimal
001098	F321	90BD	9336	000BD	00336	2573	UNPK	DJMSG+3(3),DW+6(2) Unpack and
00109E	96F0	90BF		000BF		2574	OI	DJMSG+5,X'F0' ... force and F zone
0010A2	D201	911E	C164	0011E	02164	2575	MVC	DRSNCODE,=C'13' Cannot open file error
0010A8	D203	933C	C0E0	0033C	020E0	2576	MVC	RCEXIT,=F'04'
0010AE	D201	936A	C162	0036A	02162	2577	MVC	RC,=C'04'
0010B4	47F0	B49C		0149C		2578	B	ENDME Done, exit.
					2579	*		
				010B8	2580	PODCONT0	EQU *	
					2581	*		
					2582	MVC	DIRDECBW(DIRDECBL),DIRDECB	Init DIRDECBW from DIRDECB
0010B8	D213	98D8	CCC4	008D8	02CC4	2583	MVI	DIRSW,0 Set to Initial value
0010BE	9200	9868		00868		2584	*	DIRSW=0 Initial, process used blocks
					2585	*		DIRSW=1 Used Blocks elapsed, process unused blocks
					2586	*		DIRSW=2 IO Error
				010C2	2587	PODREAD	EQU *	Read DIR Block
					2588	READ	DIRDECBW,SF,(R2),BLOCK,256,MF=E	READ Execute form
0010C2	4110	98D8		008D8		2589+	LA	1,DIRDECBW LOAD DECB ADDRESS 01260000
0010C6	9280	1005		00005		2590+	MVI	5(1),X'80' SET TYPE FIELD 01420019
0010CA	5021	0008		00008		2591+	ST	R2,8(1,0) STORE DCB ADDRESS 01540000
0010CE	41E0	9760		00760		2592+	LA	14,BLOCK LOAD AREA ADDRESS 01600000
0010D2	50E1	000C		0000C		2593+	ST	14,12(1,0) STORE AREA ADDRESS 01620000
0010D6	9200	1004		00004		2594+	MVI	4(1),X'00' SET TYPE FIELD 01760000
0010DA	41E0	0100		00100		2595+	LA	14,256(0,0) LOAD LENGTH 01900000

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
0010DE	40E1	0006	00006		2596+	STH	14,6(1,0)	STORE LENGTH 01920000
0010E2	58F1	0008	00008		2597+	L	15,8(1,0)	LOAD DCB ADDRESS 02091503
0010E6	58F0	F030	00030		2598+	L	15,48(0,15)	LOAD RDWR ROUTINE ADDR 02097203
0010EA	05EF				2599+	BALR	14,15	LINK TO RDWR ROUTINE 02102903
					2600	CHECK	DIRDECBW	
0010EC	4110	98D8	008D8		2601+	LA	1,DIRDECBW	LOAD PARAMETER REG 1 01900002
0010F0	58E0	1008	00008		2602+	L	14,8(0,1)	PICK UP DCB ADDR 00700000
0010F4	58F0	E034	00034		2603+	L	15,52(0,14)	LOAD CHECK ROUTINE ADDR 00750000
0010F8	05EF				2604+	BALR	14,15	LINK TO CHECK ROUTINE 00800000
0010FA	9102	9868	00868		2605	TM	DIRSW,2	I/O Error?
0010FE	4710	B376	01376		2606	BO	PODERR	YES, report and exit
					2607 *			
				01102	2608	PODBLKSC	EQU *	Count DIR Blocks
001102	5810	986C	0086C		2609	L	R1,PODBLKS	R1=PODBLKS
001106	4111	0001	00001		2610	LA	R1,1(R1)	Add 1 to PODBLS
00110A	5010	986C	0086C		2611	ST	R1,PODBLKS	Save PODBLS count
00110E	9101	9868	00868		2612	TM	DIRSW,1	Past USED blocks?
001112	4710	B0C2	010C2		2613	BO	PODREAD	YES, read another block
001116	4110	9760	00760		2614	LA	R1,BLOCK	NO, R1=Addr of BLOCK
00111A	4800	1000	00000		2615	LH	R0,0(,R1)	R0=Bytes in use
00111E	1A01				2616	AR	R0,R1	R0=Addr past last entry
001120	4110	1002	00002		2617	LA	R1,2(,R1)	R1=Addr of first member in block
					2618 *			

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
				01124	2620	PODENTRY	EQU *	USED and UNUSED DIR BLK Test
001124	D507	1000	C0A8	00000	020A8	2621	CLC 0(8,R1),=8X'FF'	Last member in DIR BLK?
00112A	4780	B336		01336	2622	BE	PODUSED	YES, mark End of USED BLKS and read
					2623	*		NO, test for ALIAS or MEMBER entry
00112E	9180	100B		0000B	2624	TM	11(R1),X'80'	ALIAS?
001132	4710	B146		01146	2625	BO	PODALIAS	YES, branch to PODALIAS
					2626	*		NO, count MEMBER type
				01136	2627	PODMEMBR	EQU *	Member Count
001136	5830	9874		00874	2628	L	R3,POMEMS	R3=POMEMS
00113A	4133	0001		00001	2629	LA	R3,1(R3)	Add 1 to POMEMS
00113E	5030	9874		00874	2630	ST	R3,POMEMS	Save member count
001142	47F0	B152		01152	2631	B	PODNEXT	Branch to next DIR entry
					2632	*		
				01146	2633	PODALIAS	EQU *	Alias Member Count
001146	5830	9878		00878	2634	L	R3,POALIS	R3=POALIS
00114A	4133	0001		00001	2635	LA	R3,1(R3)	Add 1 to POALIS
00114E	5030	9878		00878	2636	ST	R3,POALIS	Save POALIS count
					2637	*		
				01152	2638	PODNEXT	EQU *	Get next DIR ENTRY
001152	1F33				2639	SLR	R3,R3	Clear R3
001154	4330	100B		0000B	2640	IC	R3,11(,R1)	Load C (Control Info)
001158	5430	C0E4		020E4	2641	N	R3,=F'31'	All BITS OFF except bits 3-7
00115C	8930	0001		00001	2642	SLL	R3,1	Multiply by 2; HALFWORDS to bytes
					2643	*		LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					2645	*	* /*-----*/	LB1010h
					2646	*	* /* Create ISPF table with member list including ISPF */	LB1010h
					2647	*	* /* statistics, if available. */	LB1010h
					2648	*	* /*-----*/	LB1010h
001160	95D5	93AD	003AD		2649		CLI PDL,C'N' Create Directory List?	LB1010h
001164	4780	B328	01328		2650		BE PODCONT5 No, continue to DIR stats	LB1010h
					2651	*		LB1010h
001168	1841				2652		LR R4,R1 Address Dir Entry and User Area	LB1010h
			00000		2653		USING DIRENTUA,R4 Tell Assembler	LB1010h
					2654	*		LB1010h
00116A	9240	92D7	002D7		2655		MVI IMEMBR,C' ' Blank out ISPF Table fields	LB1010h
00116E	D200	92D8	92D7	002D8	002D7		MVC IMEMBR+1(L'ISTATSL-1),IMEMBR	LB1010h
					2657	*		LB1010h
001174	D207	92D7	4000	002D7	00000		MVC IMEMBR,UAMMEM ** Member Name	LB1010h
					2659	*		LB1010h
00117A	41F0	92DF	002DF		2660		LA R15,ITTRP ** Member TTR CHARACTER Field	LB1010h
00117E	4150	0003	00003		2661		LA R5,L'UAMTTR Length of BINARY field	LB1010h
001182	4170	4008	00008		2662		LA R7,UAMTTR Addr of BINARY field	LB1010h
			01186		2663	CH2C	EQU * Convert Hex byte to 2 characters	LB1010h
001186	43E7	0000	00000		2664		IC R14,0(R7) Process LEFT 4 bits	LB1010h
00118A	54E0	C0E8	020E8		2665		N R14,=F'15'	LB1010h
00118E	43EE	CBA1	02BA1		2666		IC R14,HEXTAB(R14) Translate based on offset	LB1010h
001192	42EF	0001	00001		2667		STC R14,1(R15) Store character	LB1010h
					2668	*		LB1010h
001196	43E7	0000	00000		2669		IC R14,0(R7) Process RIGHT 4 bits	LB1010h
00119A	88E0	0004	00004		2670		SRL R14,4 Shift left	LB1010h
00119E	43EE	CBA1	02BA1		2671		IC R14,HEXTAB(R14) Translate based on offset	LB1010h
0011A2	42EF	0000	00000		2672		STC R14,0(R15) Store character	LB1010h
0011A6	4177	0001	00001		2673		LA R7,1(R7) Bump to next binary byte	LB1010h
0011AA	41FF	0002	00002		2674		LA R15,2(R15) Bump to next character pair	LB1010h
0011AE	4650	B186	01186		2675		BCT R5,CH2C	LB1010h
					2676	*		LB1010h
0011B2	5930	C0EC	020EC		2677		C R3,=F'30' ISPF stats present?	LB1010h
0011B6	4780	B1BE	011BE		2678		BE ISPFSTS Yes, convert values and save row	LB1010h
0011BA	47F0	B322	01322		2679		B ADDTBZZ No, default values and save row	LB1010h
					2680	*		LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20	
				011BE	2682	ISPFSTS	EQU *	LB1010h	
0011BE	1755				2683	XR	R5,R5	Clear R5	
0011C0	4350	400C		0000C	2684	IC	R5,UAMVLVL	** Version Level	
0011C4	4E50	9330		00330	2685	CVD	R5,DW		
0011C8	F321	92BE	9336	002BE	00336	2686	UNPK	IVLVL,DW+6(2)	Unpack and
0011CE	96F0	92C0		002C0	2687	OI	IVLVL+2,X'F0'	... force and F zone	
					2688	*		LB1010h	
0011D2	1755				2689	XR	R5,R5	Clear R5	
0011D4	4350	400D		0000D	2690	IC	R5,UAMMLVL	** Modification Level	
0011D8	4E50	9330		00330	2691	CVD	R5,DW		
0011DC	F321	92C1	9336	002C1	00336	2692	UNPK	IMLVL,DW+6(2)	Unpack and
0011E2	96F0	92C3		002C3	2693	OI	IMLVL+2,X'F0'	... force and F zone	
					2694	*		LB1010h	
0011E6	D201	92E5	92BF	002E5	002BF	2695	MVC	IVVMM(2),IVLVL+1	Concatenate
0011EC	924B	92E7		002E7		2696	MVI	IVVMM+2,C'.'	..version and modification
0011F0	D201	92E8	92C2	002E8	002C2	2697	MVC	IVVMM+3(2),IMLVL+1	...as VV.MM
					2698	*		LB1010h	
					2699	*		** Member Create Date	
0011F6	D707	9330	9330	00330	00330	2700	XC	DW,DW	Clear DW
0011FC	D200	9337	4011	00337	00011	2701	MVC	DW+7(1),UAMCREDIT+1	Move YY portion (decimal)
001202	5860	9334		00334		2702	L	R6,DW+4	Load R6 with YY portion
001206	8960	0004		00004		2703	SLL	R6,4	Shift left 4 bits to insert F zone
00120A	5060	9334		00334		2704	ST	R6,DW+4	Store
00120E	960F	9337		00337		2705	OI	DW+7,X'0F'	Insert F zone
001212	4F60	9330		00330		2706	CVB	R6,DW	Convert decimal to binary
001216	4260	9297		00297		2707	STC	R6,DC#YYJJJ	Store right-most character (1-byte)
					2708	*		LB1010h	
00121A	D707	9330	9330	00330	00330	2709	XC	DW,DW	Clear DW
001220	D201	9336	4012	00336	00012	2710	MVC	DW+6(2),UAMCREDIT+2	Move 0JJJ portion (packed)
001226	4F60	9330		00330		2711	CVB	R6,DW	Convert packed to binary
00122A	4060	9292		00292		2712	STH	R6,DC#HJJJ	Store binary result
00122E	D201	9298	9292	00298	00292	2713	MVC	DC#YYJJJ+1(2),DC#HJJJ	
001234	4160	9297		00297		2714	LA	R6,DC#YYJJJ	
001238	5030	9320		00320		2715	ST	R3,SAVER3	Save R3, used by DATECONV
00123C	4570	B964		01964		2716	BAL	R7,DATECONV	
001240	4570	B782		01782		2717	BAL	R7,DFMT	
001244	D207	92EA	92A9	002EA	002A9	2718	MVC	ICDTE,DATEWA+2	
00124A	5830	9320		00320		2719	L	R3,SAVER3	Restore R3
					2720	*		LB1010h	
					2721	*		** Member Change Date	
00124E	D707	9330	9330	00330	00330	2722	XC	DW,DW	Clear DW
001254	D200	9337	4015	00337	00015	2723	MVC	DW+7(1),UAMCHGDT+1	Move YY portion (decimal)
00125A	5860	9334		00334		2724	L	R6,DW+4	Load R6 with YY portion
00125E	8960	0004		00004		2725	SLL	R6,4	Shift left 4 bits to insert F zone
001262	5060	9334		00334		2726	ST	R6,DW+4	Store
001266	960F	9337		00337		2727	OI	DW+7,X'0F'	Insert F zone
00126A	4F60	9330		00330		2728	CVB	R6,DW	Convert decimal to binary
00126E	4260	9297		00297		2729	STC	R6,DC#YYJJJ	Store right-most character (1-byte)
					2730	*		LB1010h	
001272	D707	9330	9330	00330	00330	2731	XC	DW,DW	Clear DW
001278	D201	9336	4016	00336	00016	2732	MVC	DW+6(2),UAMCHGDT+2	Move 0JJJ portion (packed)
00127E	4F60	9330		00330		2733	CVB	R6,DW	Convert packed to binary
001282	4060	9292		00292		2734	STH	R6,DC#HJJJ	Store binary result
001286	D201	9298	9292	00298	00292	2735	MVC	DC#YYJJJ+1(2),DC#HJJJ	
00128C	4160	9297		00297		2736	LA	R6,DC#YYJJJ	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
001290	5030	9320	00320		2737	ST	R3,SAVER3	Save R3, used by DATECONV
001294	4570	B964	01964		2738	BAL	R7,DATECONV	
001298	4570	B782	01782		2739	BAL	R7,DFMT	
00129C	D207	92F2	92A9	002F2	002A9	2740	MVC	IMDTE,DATEWA+2
0012A2	5830	9320	00320		2741	L	R3,SAVER3	Restore R3
					2742	*		
0012A6	F121	9330	4018	00330	00018	2743	MVO	DW(3),UAMCHGTM
0012AC	960F	9332		00332		2744	OI	DW+2,X'0F'
0012B0	F342	92D2	9330	002D2	00330	2745	UNPK	ICHGTM(5),DW(3)
0012B6	D201	92FA	92D3	002FA	002D3	2746	MVC	IMTIM+0(2),ICHGTM+1
0012BC	927A	92FC		002FC		2747	MVI	IMTIM+2,C':'
0012C0	D201	92FD	92D5	002FD	002D5	2748	MVC	IMTIM+3(2),ICHGTM+3
0012C6	927A	92FF		002FF		2749	MVI	IMTIM+5,C':'
0012CA	F110	9330	400F	00330	0000F	2750	MVO	DW(2),UAMCHGSS
0012D0	960F	9331		00331		2751	OI	DW+1,X'0F'
0012D4	F321	92D2	9330	002D2	00330	2752	UNPK	ICHGTM(3),DW(2)
0012DA	D201	9300	92D3	00300	002D3	2753	MVC	IMTIM+6(2),ICHGTM+1
					2754	*		
0012E0	1755				2755	XR	R5,R5	Clear R5
0012E2	4850	401A		0001A	2756	LH	R5,UAMCURR	** Current Record Count NNNNN
0012E6	4E50	9330		00330	2757	CVD	R5,DW	
0012EA	F342	9302	9335	00302	00335	2758	UNPK	IRCUR,DW+5(3)
0012F0	96F0	9306		00306	2759	OI	IRCUR+4,X'F0'	... force and F zone
					2760	*		
0012F4	1755				2761	XR	R5,R5	Clear R5
0012F6	4850	401C		0001C	2762	LH	R5,UAMINIT	** Initial Record Count NNNNN
0012FA	4E50	9330		00330	2763	CVD	R5,DW	
0012FE	F342	9307	9335	00307	00335	2764	UNPK	IRINT,DW+5(3)
001304	96F0	930B		0030B	2765	OI	IRINT+4,X'F0'	... force and F zone
					2766	*		
001308	1755				2767	XR	R5,R5	Clear R5
00130A	4850	401E		0001E	2768	LH	R5,UAMMOD	** Records Modified Count NNNNN
00130E	4E50	9330		00330	2769	CVD	R5,DW	
001312	F342	930C	9335	0030C	00335	2770	UNPK	IRMOD,DW+5(3)
001318	96F0	9310		00310	2771	OI	IRMOD+4,X'F0'	... force and F zone
					2772	*		
00131C	D206	9311	4020	00311	00020	2773	MVC	IUSRID,UAMUID
					2774	*		** User ID
				01322	2775	ADDTBZZ	EQU	*
001322	4570	BD44		01D44	2776	BAL	R7,ADDTB	Add ISPF Table row
					2777	*		
001326	1814				2778	LR	R1,R4	Restore R1
					2779	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
				01328	2781	PODCONT5 EQU	*	LB1010h
001328	4113	100C	0000C		2782	LA	R1,12(R3,R1)	Point past user data...
00132C	1910				2783	CR	R1,R0	End of DIR block?
00132E	4740	B124	01124		2784	BL	PODENTRY	NO, process next entry
001332	47F0	B0C2	010C2		2785	B	PODREAD	YES, read next block
					2786	*		
001336	9601	9868	00868		2787	PODUSED OI	DIRSW,1	Passed Used blocks...
00133A	D203	9870	986C	00870	2788	MVC	PODBLKSU,PODBLKS	Store Used Blocks count
001340	47F0	B0C2	010C2		2789	B	PODREAD	Read next block
					2790	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
				01344	2792	PODSYN	EQU *	IO ERROR from reading PDS DIR
					2793		SYNADAF ACSMETH=BSAM	Obtain msg/err code for I/O error
001344	41F0	F000	00000		2794+		LA 15,0(0,15)	ZERO HIGH ORDER BYTE 15138 31200016
001348					2795+		CNOP 0,4	15138 32000016
001348	56F0	B350	01350		2796+		0 15,*+8	SET ACCESS METHOD IN REG. 15 33000013
00134C	47F0	B354	01354		2797+		BC 15,*+8	BRANCH AROUND LIST 34000013
001350	02				2798+		DC AL1(2)	ACCESS METHOD CODE 35000013
001351	000000				2799+		DC AL3(0)	36000013
001354	0A44				2800+		SVC 68	ISSUE SVC 51000013
001356	D24D	90BA	102C	000BA	0002C	2801	MVC DJMSG(78),44(R1)	Move to &SYSLISTDSJMSG
00135C	9602	9868		00868	2802		OI DIRSW,2	I/O error setting
					2803		SYNADRLS	Release msg buff/saveareas -SYNADAF
001360	41F0	F000	00000		2804+		LA 15,0(0,15)	ZERO HIGH ORDER BYTE 27000013
001364					2805+		CNOP 0,4	36000013
001364	56F0	B36C	0136C		2806+		0 15,*+8	SET RELEASE CODE 45000013
001368	47F0	B370	01370		2807+		B *+8	BRANCH AROUND CODE 54000019
00136C	FF000000				2808+		DC X'FF000000'	RELEASE CODE 63000013
001370	0A44				2809+		SVC 68	ISSUE SVC 72000013
001372	47F0	B3BC	013BC		2810		B PODCNTS	Go Unpack DIR INFO and FREE PDS
				01376	2812	PODERR	EQU *	SYNADAF Error
					2813	*		Message already in DJMSG
001376	47F0	B3BC	013BC		2814		B PODCNTS	Go Unpack DIR INFO and FREE PDS
				0137A	2816	PODEOF	EQU *	End of File Detected (DCB)
					2817		CLOSE ((R2)),MF=(E,PARMVL1)	Close PDS execute form
00137A	4110	98EC	008EC		2818+		LA 1,PARMVL1	LOAD PARAMETER REG 1 01900002
00137E	43E1	0000	00000		2819+		IC 14,0(1,0)	SAVE OPTION BYTE 01140000
001382	5021	0000	00000		2820+		ST R2,0(1,0)	STORE DCB ADDR IN LIST 01320000
001386	42E1	0000	00000		2821+		STC 14,0(1,0)	RESTORE OPTION BYTE 01340000
00138A	0A14				2822+		SVC 20	ISSUE CLOSE SVC 01640000
00138C	12FF				2823		LTR R15,R15	Successful?
00138E	4780	B3BC	013BC		2824		BZ PODCONT9	YES, continue...
					2825	*		NO, ERROR, cannot close PDS
001392	D215	90BA	CA82	000BA	02A82	2826	MVC DJMSG(L'MSGJ031),MSGJ031	Move to &SYSLISTDSJMSG
001398	4EF0	9330		00330	2827		CVD R15,DW	Convert to decimal
00139C	F321	90BD	9336	000BD	00336	2828	UNPK DJMSG+3(3),DW+6(2)	Unpack and
0013A2	96F0	90BF		000BF	2829		OI DJMSG+5,X'F0'	... force and F zone
0013A6	D201	911E	C164	0011E	02164	2830	MVC DRSNCODE,=C'13'	Cannot close file error
0013AC	D203	933C	C0E0	0033C	020E0	2831	MVC RCEXIT,=F'04'	
0013B2	D201	936A	C162	0036A	02162	2832	MVC RC,=C'04'	
0013B8	47F0	B49C	0149C		2833		B ENDME	Done, exit.
					2834		PRINT NOGEN	
					2835	*		
				013BC	2836	PODCONT9	EQU *	
					2837	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
					2839 *	/* *****/	
					2840 *	/* PO Directory Information */	
					2841 *	/* Save block and member information */	
					2842 *	/* - R3, R7 Working Register */	
					2843 *	/* *****/	
			013BC		2844 PODCNTS EQU *		
					2845 *	/* #Data source: 16 SYSADIRBLK */	
0013BC	5830	986C	0086C		2846	L R3,PODBLKS DIR Blocks	
0013C0	4E30	9330	00330		2847	CVD R3,DW convert to decimal	
0013C4	F342	923B	9335 0023B	00335	2848	UNPK DDBLKS,DW+5(3) Unpack and	
0013CA	96F0	923F	0023F		2849	OI DDBLKS+4,X'F0' ... force F zone	
					2850 *		
					2851 *	/* #Data source: 17 SYSUDIRBLK */	
0013CE	5830	9870	00870		2852	L R3,PODBLKSU DIR Blocks Used	
0013D2	4E30	9330	00330		2853	CVD R3,DW convert to decimal	
0013D6	F342	9240	9335 00240	00335	2854	UNPK DDIRBKSU,DW+5(3) Unpack and	
0013DC	96F0	9244	00244		2855	OI DDIRBKSU+4,X'F0' ... force F zone	
					2856 *		
					2857 *	/* #Data source: 18 SYSNUDIRBLK */	
0013E0	5830	986C	0086C		2858	L R3,PODBLKS DIR Blocks Unused (calculate)	
0013E4	5B30	9870	00870		2859	S R3,PODBLKSU	
0013E8	4E30	9330	00330		2860	CVD R3,DW convert to decimal	
0013EC	F342	9245	9335 00245	00335	2861	UNPK DDIRBKSN,DW+5(3) Unpack and	
0013F2	96F0	9249	00249		2862	OI DDIRBKSN+4,X'F0' ... force F zone	
					2863 *		
					2864 *	/* #Data source: 19 SYSMEMBERS */	
0013F6	5830	9874	00874		2865	L R3,POMEMS PDS POMEMS	
0013FA	5A30	9878	00878		2866	A R3,POALIS plus PDS Aliases	
0013FE	4E30	9330	00330		2867	CVD R3,DW convert to decimal	
001402	F342	924A	9335 0024A	00335	2868	UNPK DMEMBERS,DW+5(3) Unpack and	
001408	96F0	924E	0024E		2869	OI DMEMBERS+4,X'F0' ... force F zone	
					2870 *		
					2871 *	/* #Data source: 20 SYSMEMBERSALIAS */	
00140C	5830	9878	00878		2872	L R3,POALIS PDS Aliases	
001410	4E30	9330	00330		2873	CVD R3,DW convert to decimal	
001414	F342	924F	9335 0024F	00335	2874	UNPK DALIASES,DW+5(3) Unpack and	
00141A	96F0	9253	00253		2875	OI DALIASES+4,X'F0' ... force F zone	
					2876 *		
			0141E		2877 PODX EQU *		
					2878 *		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20	
					2880	*	/* *****/		
					2881	*	/* PDS Directory Information */		
					2882	*	/* Free PDS */		
					2883	*	/* -JMSG'RC=xxx Free PDS error' */		
					2884	*	/* - R7 Working Register */		
					2885	*	/* - R15 Working Register and RC exit code register */		
					2886	*	/* *****/		
				0141E	2887	PDSUNALC	EQU *		
00141E	95D5	93AD	003AD		2888	CLI	PDL,C'N'	Create Directory List? LB1010h	
001422	4780	B462	01462		2889	BE	PODFREE	No, continue to free PDS LB1010h	
					2890	*		Yes...ISPF clean up LB1010h	
001426	4570	BD7A	01D7A		2891	BAL	R7,SAVETB	Save ISPF table LB1010h	
00142A	4570	BDB0	01DB0		2892	BAL	R7,CLOSETB	Close ISPF table LB1010h	
00142E	4570	BDE6	01DE6		2893	BAL	R7,VARDELS	Delete ISPF functional variables LB1010h	
001432	47F0	B462	01462		2894	B	PODFREE	Branch to free PDS LB1010h	
					2895	*		LB1010h	
				01436	2896	ISPFERR	EQU *	LB1010h	
001436	4EF0	9330	00330		2897	CVD	R15,DW	Convert to decimal LB1010h	
00143A	F321	90BD	9336	000BD	00336	2898	UNPK	DJMSG+3(3),DW+6(2) Unpack and LB1010h	
001440	96F0	90BF		000BF	2899	OI	DJMSG+5,X'F0'	... force and F zone LB1010h	
001444	D201	911E	C166	0011E	02166	2900	MVC	DRSNCODE,=C'17'	System User Abend error LB1010h
00144A	D203	933C	C0C8	0033C	020C8	2901	MVC	RCEXIT,=F'16'	LB1010h
001450	D201	936A	C12A	0036A	0212A	2902	MVC	RC,=C'16'	LB1010h
001456	95E8	987C		0087C	2903	CLI	ALLOCPO,C'Y'	PDS Allocated Flag init to YES LB1010h	
00145A	4780	B462		01462	2904	BE	PODFREE	Yes, free PDS and exit LB1010h	
00145E	47F0	B49C		0149C	2905	B	ENDME	No, exit. LB1010h	
					2906	*		LB1010h	
				01462	2907	PODFREE	EQU *	LB1010h	
					2908	*		LB1010h	
001462	4570	B884		01884	2909	BAL	R7,PDSFRE	FREE dataset	
001466	12FF				2910	LTR	R15,R15	Successful?	
001468	4780	B49C		0149C	2911	BZ	PODDIRXT	YES, Done.	
					2912	*		NO, cannot FREE PDS	
00146C	D214	90BA	C9A9	000BA	029A9	2913	MVC	DJMSG(L'MSGJ018),MSGJ018 Move to &SYSLISTDSJMSG	
001472	4EF0	9330		00330	2914	CVD	R15,DW	Convert to decimal	
001476	F321	90BD	9336	000BD	00336	2915	UNPK	DJMSG+3(3),DW+6(2) Unpack and	
00147C	96F0	90BF		000BF	2916	OI	DJMSG+5,X'F0'	... force and F zone	
001480	D201	911E	C160	0011E	02160	2917	MVC	DRSNCODE,=C'02'	Dynam Alloc error
001486	D203	933C	C0E0	0033C	020E0	2918	MVC	RCEXIT,=F'04'	
00148C	D201	936A	C162	0036A	02162	2919	MVC	RC,=C'04'	
001492	47F0	B49C		0149C	2920	B	ENDME	Done, exit.	
				01496	2921	PODDIRNN	EQU *	DIR option not valid	
001496	D21C	90BA	C973	000BA	02973	2922	MVC	DJMSG(L'MSGJ015),MSGJ015 Move to &SYSLISTDSJMSG	
				0149C	2924	PODDIRXT	EQU *		
					2925	*			

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					2927	*	/* *****/	
					2928	*	/* Pre-exit Processing	*/
					2929	*	/* - Create symbolic variables, FREEMAIN, and	*/
					2930	*	/* return to caller	*/
					2931	*	/* - R5, R7, R3, R4, R9 Working Register	*/
					2932	*	/* *****/	
00149C					2933	ENDME	DS 0H	Pre-exit processing
					2934	*		
					2935	*	/-----/	
					2936	*	/* Create Symbolic Variables	*/
					2937	*	/-----/	
				0149C	2938	CR8SYMS	EQU *	
00149C	4570	B8F4		018F4	2939	BAL	R7,SETML2	Get DMSGL2 text and length
0014A0	D203	9364	9360	00364	00360	MVC	DMSGL2L,DMSGL1L	
					2941	*	/* #Data source: 03 SYMSGLVL1	*/
0014A6	D227	9148	9120	00148	00120	MVC	DMSGL2,DMSGL1	
					2943	*	/* #Data source: 04 SYMSGLVL2 via SETML1 subrtn	*/
0014AC	4570	B8DE		018DE	2944	BAL	R7,SETML1	Get DMSGL1 text and length
0014B0	F810	936C	C19B	0036C	0219B	ZAP	SNN,=P'+0'	Initialize Snn to 000
0014B6	4130	002F		0002F	2946	LA	R3,S#@NUM	Number of Symbolic Variables
0014BA	4140	C3CC		023CC	2947	LA	R4,S#@	Start addr of Sym Var meta table
					2948	*	/-----/	
					2949	*	/* Loop through symbol parm table	*/
					2950	*	/-----/	
				014BE	2951	S#@VAR	EQU *	
0014BE	95E8	93AA		003AA	2952	CLI	PPNL,C'Y'	PNL action for Snn vars?
0014C2	4770	B4EE		014EE	2953	BNE	S#@VARLN	NO, use Long Symbolic Names
				014C6	2954	S#@VARSN	EQU *	YES, use Short Symbolic Names
0014C6	F321	9371	936C	00371	0036C	UNPK	SNNUPK,SNN	Unpack seq number 3 digits
0014CC	96F0	9373		00373	2956	OI	SNNUPK+2,X'F0'	... force an F zone
0014D0	92E2	936E		0036E	2957	MVI	SNNC,C'S'	Panel Symbols are format 'Snn'
0014D4	D201	936F	9372	0036F	00372	MVC	SNNC+1(2),SNNUPK+1	Move right-most 2 digits
0014DA	4150	936E		0036E	2959	LA	R5,SNNC	Set Var Name Address
0014DE	5050	9064		00064	2960	ST	R5,NAMP1	
0014E2	4150	0003		00003	2961	LA	R5,3	Set Var Name Length
0014E6	5050	9068		00068	2962	ST	R5,NAML1	
0014EA	47F0	B4FA		014FA	2963	B	S#@VARC	Branch to ...
				014EE	2964	S#@VARLN	EQU *	Long Symbolic Names
0014EE	D203	9064	4000	00064	00000	MVC	NAMP1,0(R4)	Set Var Name Address
0014F4	D203	9068	4004	00068	00004	MVC	NAML1,4(R4)	Set Var Name Length
					2967	*		
				014FA	2968	S#@VARC	EQU *	Continue...
0014FA	4854	0008		00008	2969	LH	R5,8(R4)	Load Base-Displacement HW
0014FE	4B50	C168		02168	2970	SH	R5,=X'9000'	Subtract Base from S-adcon
001502	1A59				2971	AR	R5,R9	Add Base R9 to displacement R5
001504	5050	906C		0006C	2972	ST	R5,VALP1	Set Var Value Address
					2973	*		
001508	F910	936C	C19C	0036C	0219C	CP	SNN,=P'+3'	Custom MSG1?
00150E	4780	B520		01520	2975	BE	MSG1	YES.
001512	F910	936C	C19D	0036C	0219D	CP	SNN,=P'+4'	Custom MSG2?
001518	4780	B528		01528	2977	BE	MSG2	YES.
00151C	47F0	B534		01534	2978	B	OTHR	Normal
					2979	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
				01520	2981	MSG11	EQU *	Custom MSG11
001520	5850	9360	00360		2982		L R5,DMSG11L	
001524	47F0	B52C	0152C		2983		B MSG1X	
				01528	2984	MSG12	EQU *	Custom MSG12
001528	5850	9364	00364		2985		L R5,DMSG12L	
				0152C	2986	MSG1X	EQU *	Custom common
00152C	5050	9070	00070		2987		ST R5,VALL1	
001530	47F0	B53A	0153A		2988		B CONTZ	
				01534	2989	OTHR	EQU *	Normal
001534	D203	9070	400C	00070	2990		MVC VALL1,12(R4)	Set Var Value Length
					2991	*		
				0153A	2992	CONTZ	EQU *	Continue...
00153A	4550	BA3C	01A3C		2993		BAL R5,SETVAR	Set Variable via IKJCT441
00153E	4144	0010	00010		2994		LA R4,16(R4)	Bump to next Sym Var meta entry
001542	FA10	936C	C19E	0036C	2995		AP SNN,=P'+1'	Increment seq no
001548	4630	B4BE	014BE		2996		BCT R3,S#@VAR	
				0154C	2997	S#@VARXT	EQU *	
					2998	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
				0154C	3000	MYEXIT	EQU *	
					3001	*	/* *****/	
					3002	*	/* - Restore savearea, FREEMAIN, and	
					3003	*	/* return to caller	
					3004	*	/* *****/	
					3005	*		
					3006	*	/* -----*/	
					3007	*	/* R1 = my Working Storage Address from GETMAIN	
					3008	*	/* *****/	
00154C	181D				3009		LR R1,R13 Working Storage Addr	
					3010	*		
					3011	*	/* -----*/	
					3012	*	/* Get callers savearea into R13 and overlay my R15	
					3013	*	/* to be returned to caller	
					3014	*	/* -----*/	
00154E	58D0	9004	00004		3015		L R13,SAVEAREA+4 Restore R13	
001552	5850	933C	0033C		3016		L R5,RCEXIT Set R15 to my exit value	LB1020
					3017	*		
					3018	*	/* -----*/	
					3019	*	/* Working Storage FREEMAIN	
					3020	*	/* -----*/	
001556	4100	0918	00918		3021		LA R0,WSAREAL Size of WSAREA DSECT	
					3022		FREEMAIN R, LV=(R0),A=(R1) Free Storage	
					3027	*		
					3028	*	/* -----*/	
					3029	*	/* Restore caller registers and return to caller	
					3030	*	/* -----*/	
001562	18F5				3031		LR R15,R5 R15 = RC for exit	LB1020
				01564	3032	NOMAINS	EQU *	LB1020
001564	58ED	000C	0000C		3033		L R14,12(R13) Restore R14	
001568	980C	D014	00014		3034		LM R0,R12,20(R13) Restore R0 thru R12	
00156C	07FE				3035		BR R14 Return to caller	
					3036	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					3038	*	*/*****	
					3039	*	/* Error Setting	
					3040	*	/* - R15 Working Register and RC exit code register	
					3041	*	*/*****	
				0156E	3042	CAMRCERR	EQU *	
00156E	59F0	C0F0	020F0		3043		C R15,=F'4'	RC = 4?
001572	4780	B59C	0159C		3044		BE CAMR04	YES.
001576	59F0	C0F4	020F4		3045		C R15,=F'8'	RC = 8?
00157A	4780	B5B2	015B2		3046		BE CAMR08	YES.
00157E	59F0	C0F8	020F8		3047		C R15,=F'12'	RC = 12?
001582	4780	B5C8	015C8		3048		BE CAMR12	YES.
					3049	*		NO, must be catalog error
001586	D201	911E	C16A	0011E 0216A	3050		MVC DRSNCODE,=C'21'	Catalog error, obtain err rc=8,12,16
00158C	D203	933C	C0C8	0033C 020C8	3051		MVC RCEXIT,=F'16'	
001592	D201	936A	C12A	0036A 0212A	3052		MVC RC,=C'16'	
001598	47F0	B49C	0149C		3053		B ENDME	Done, exit.
				0159C	3054	CAMR04	EQU *	
00159C	D201	911E	C16C	0011E 0216C	3055		MVC DRSNCODE,=C'22'	Volume not mounted
0015A2	D203	933C	C0C8	0033C 020C8	3056		MVC RCEXIT,=F'16'	
0015A8	D201	936A	C12A	0036A 0212A	3057		MVC RC,=C'16'	
0015AE	47F0	B49C	0149C		3058		B ENDME	Done, exit.
				015B2	3059	CAMR08	EQU *	
0015B2	D201	911E	C16E	0011E 0216E	3060		MVC DRSNCODE,=C'24'	Dataset not found
0015B8	D203	933C	C0C8	0033C 020C8	3061		MVC RCEXIT,=F'16'	
0015BE	D201	936A	C12A	0036A 0212A	3062		MVC RC,=C'16'	
0015C4	47F0	B49C	0149C		3063		B ENDME	Done, exit.
				015C8	3064	CAMR12	EQU *	
0015C8	D201	911E	C170	0011E 02170	3065		MVC DRSNCODE,=C'23'	Permanent I/O error
0015CE	D203	933C	C0C8	0033C 020C8	3066		MVC RCEXIT,=F'16'	
0015D4	D201	936A	C12A	0036A 0212A	3067		MVC RC,=C'16'	
0015DA	47F0	B49C	0149C		3068		B ENDME	Done, exit.
					3069	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
				015DE	3071	ERR4004	EQU *	
0015DE	D203	933C	C0FC	0033C	020FC	3072	MVC RCEXIT,=F'4004'	PARM not supplied
0015E4	4570	B800		01800	3073		BAL R7,PREFXMSG	Prefix start of message
0015E8	D210	90C9	C912	000C9	02912	3074	MVC DJMSG+15(MSG4004L),MSG4004	Move to &SYSLISTDSJMSG
					3075		TPUT DJMSG,MSG4004L+15	
001608	47F0	B756		01756	3086		B RSN29	
				0160C	3087	ERR4005	EQU *	
00160C	D203	933C	C100	0033C	02100	3088	MVC RCEXIT,=F'4005'	PARM not supplied R1
001612	4570	B800		01800	3089		BAL R7,PREFXMSG	Prefix start of message
001616	D210	90C9	C912	000C9	02912	3090	MVC DJMSG+15(MSG4004L),MSG4004	Move to &SYSLISTDSJMSG
					3091		TPUT DJMSG,MSG4004L+15	
001634	47F0	B756		01756	3102		B RSN29	
				01638	3103	ERR4008	EQU *	
001638	D203	933C	C104	0033C	02104	3104	MVC RCEXIT,=F'4008'	CPPL error no variables
00163E	4570	B800		01800	3105		BAL R7,PREFXMSG	Prefix start of message
001642	D210	90C9	C923	000C9	02923	3106	MVC DJMSG+15(MSG4009L),MSG4009	Move to &SYSLISTDSJMSG
					3107		TPUT DJMSG,MSG4009L+15	
001660	47F0	B756		01756	3118		B RSN29	
				01664	3119	ERR4009	EQU *	
001664	D203	933C	C108	0033C	02108	3120	MVC RCEXIT,=F'4009'	CPPL error no variables ZERO
00166A	4570	B800		01800	3121		BAL R7,PREFXMSG	Prefix start of message
00166E	D210	90C9	C923	000C9	02923	3122	MVC DJMSG+15(MSG4009L),MSG4009	Move to &SYSLISTDSJMSG
					3123		TPUT DJMSG,MSG4009L+15	
00168C	47F0	B756		01756	3134		B RSN29	
				01690	3135	ERR4010	EQU *	
001690	D203	933C	C10C	0033C	0210C	3136	MVC RCEXIT,=F'4010'	CPPL error no variables NEGATIVE
001696	4570	B800		01800	3137		BAL R7,PREFXMSG	Prefix start of message
00169A	D210	90C9	C923	000C9	02923	3138	MVC DJMSG+15(MSG4009L),MSG4009	Move to &SYSLISTDSJMSG
					3139		TPUT DJMSG,MSG4009L+15	
0016B8	47F0	B756		01756	3150		B RSN29	
				016BC	3151	ERR4097	EQU *	
0016BC	D203	933C	C110	0033C	02110	3152	MVC RCEXIT,=F'4097'	IKJDAIR not found, link error
0016C2	4570	B800		01800	3153		BAL R7,PREFXMSG	Prefix start of message
0016C6	D215	90C9	C934	000C9	02934	3154	MVC DJMSG+15(MSG4097L),MSG4097	Move to &SYSLISTDSJMSG
					3155		TPUT DJMSG,MSG4097L+15	
0016E4	47F0	B54C		0154C	3166		B MYEXIT	
				016E8	3167	ERR4098	EQU *	
0016E8	D203	933C	C114	0033C	02114	3168	MVC RCEXIT,=F'4098'	IKJCT441 not found, link error
0016EE	4570	B800		01800	3169		BAL R7,PREFXMSG	Prefix start of message
0016F2	D216	90C9	C94A	000C9	0294A	3170	MVC DJMSG+15(MSG4098L),MSG4098	Move to &SYSLISTDSJMSG
					3171		TPUT DJMSG,MSG4098L+15	
001710	47F0	B54C		0154C	3182		B MYEXIT	
				01714	3183	ERR4099	EQU *	
001714	D203	933C	C118	0033C	02118	3184	MVC RCEXIT,=F'4099'	Program requires TSO
00171A	4570	B800		01800	3185		BAL R7,PREFXMSG	Prefix start of message
00171E	D211	90C9	C961	000C9	02961	3186	MVC DJMSG+15(MSG4099L),MSG4099	Move to &SYSLISTDSJMSG
					3187		TPUT DJMSG,MSG4099L+15	
00173C	47F0	B54C		0154C	3198		B MYEXIT	
				01740	3199	RSN28	EQU *	LB1010g
001740	D201	911E	C172	0011E	02172	3200	MVC DRSNCODE,=C'28'	DDN must be 1-8 characters
001746	D203	933C	C0C8	0033C	020C8	3201	MVC RCEXIT,=F'16'	LB1010g
00174C	D201	936A	C12A	0036A	0212A	3202	MVC RC,=C'16'	LB1010g
001752	47F0	B49C		0149C	3203		B ENDME	Done, exit.
				01756	3204	RSN29	EQU *	LB1010g
001756	D201	911E	C174	0011E	02174	3205	MVC DRSNCODE,=C'29'	DSN/DD must be specified

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
00175C	D203	933C	C0C8	0033C	020C8	3206	MVC	RCEXIT,=F'16'
001762	D201	936A	C12A	0036A	0212A	3207	MVC	RC,=C'16'
001768	47F0	B49C		0149C		3208	B	ENDME
				0176C	3209	RSN90	EQU	*
00176C	D201	911E	C176	0011E	02176	3210	MVC	DRSNCODE,=C'90'
001772	D203	933C	C0C8	0033C	020C8	3211	MVC	RCEXIT,=F'16'
001778	D201	936A	C12A	0036A	0212A	3212	MVC	RC,=C'16'
00177E	47F0	B49C		0149C		3213	B	ENDME
					3214	*		Done, exit.

LB1010g

DDN not found in TIOT

LB1010g

LB1010g

LB1010g

LB1010g

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
					3216 *	*/*****/	LB1001b
					3217 *	/* Subroutine - Format Date Layout (R7) */	LB1001b
					3218 *	/* DF(1) use date format MM_DD_CCYY */	LB1001b
					3219 *	/* DF(2) use date format DD_MM_CCYY */	LB1001b
					3220 *	/* DF(3) use date format YYYY_MM_DD DEFAULT */	LB1001b
					3221 *	/* DF(4) use date format YYYY_DD_MM */	LB1001b
					3222 *	/* */	LB1001b
					3223 *	*/*****/	LB1001b
				01782	3224 DFMT	EQU *	LB1001b
001782	95F2	92A6	002A6		3225	CLI DATEFMT,C'2' DF(2)?	LB1001b
001786	4720	B7C4	017C4		3226	BH DFMT3 DF(3) or DF(4)	LB1001b
				0178A	3227 DFMT1	EQU * DF(1) or DF(2)	LB1001b
00178A	D200	92A9	92A5	002A9	002A5	3228 MVC DATEWA+2(1),DATESEP Date Separator value	LB1001b
001790	D200	92AC	92A5	002AC	002A5	3229 MVC DATEWA+5(1),DATESEP Date Separator value	LB1001b
001796	D203	92AD	92A1	002AD	002A1	3230 MVC DATEWA+6(4),DC#CCYY+1 CCYY	LB1001b
00179C	95F2	92A6	002A6		3231	CLI DATEFMT,C'2' DF(2)?	LB1001b
0017A0	4780	B7B4	017B4		3232	BE DFMT2 YES.	LB1001b
				017A4	3233 XFMT1	EQU * DF(1) MM_DD_CCYY	LB1001b
0017A4	D201	92A7	929B	002A7	0029B	3234 MVC DATEWA+0(2),DC#MM+1 MM	LB1001b
0017AA	D201	92AA	929E	002AA	0029E	3235 MVC DATEWA+3(2),DC#DD+1 DD	LB1001b
0017B0	47F0	B7FE	017FE		3236	B DFMTXT	LB1001b
				017B4	3237 DFMT2	EQU * DF(2) DD_MM_CCYY	LB1001b
0017B4	D201	92A7	929E	002A7	0029E	3238 MVC DATEWA+0(2),DC#DD+1 DD	LB1001b
0017BA	D201	92AA	929B	002AA	0029B	3239 MVC DATEWA+3(2),DC#MM+1 MM	LB1001b
0017C0	47F0	B7FE	017FE		3240	B DFMTXT	LB1001b
				017C4	3241 DFMT3	EQU * DF(3) or DF(4)	LB1001b
0017C4	D200	92AB	92A5	002AB	002A5	3242 MVC DATEWA+4(1),DATESEP Date Separator value	LB1001b
0017CA	D200	92AE	92A5	002AE	002A5	3243 MVC DATEWA+7(1),DATESEP Date Separator value	LB1001b
0017D0	D203	92A7	92A1	002A7	002A1	3244 MVC DATEWA+0(4),DC#CCYY+1 CCYY	LB1001b
0017D6	95F4	92A6	002A6		3245	CLI DATEFMT,C'4' DF(4)?	LB1001b
0017DA	4780	B7EE	017EE		3246	BE DFMT4 YES.	LB1001b
				017DE	3247 XFMT3	EQU * DF(3) CCYY_MM_DD	LB1001b
0017DE	D201	92AC	929B	002AC	0029B	3248 MVC DATEWA+5(2),DC#MM+1 MM	LB1001b
0017E4	D201	92AF	929E	002AF	0029E	3249 MVC DATEWA+8(2),DC#DD+1 DD	LB1001b
0017EA	47F0	B7FE	017FE		3250	B DFMTXT	LB1001b
				017EE	3251 DFMT4	EQU * DF(4) CCYY_DD_MM	LB1001b
0017EE	D201	92AC	929E	002AC	0029E	3252 MVC DATEWA+5(2),DC#DD+1 DD	LB1001b
0017F4	D201	92AF	929B	002AF	0029B	3253 MVC DATEWA+8(2),DC#MM+1 MM	LB1001b
0017FA	47F0	B7FE	017FE		3254	B DFMTXT	LB1001b
				017FE	3255 DFMTXT	EQU *	LB1001b
0017FE	07F7				3256	BR R7 Return to caller	LB1001b
					3257 *		LB1001b

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20	
					3259	* /* *****		
					3260	* /* Subroutine - Prefix message	(R7) */	
					3261	* /* w/ 14-byte header 'LISTSDJ nnnn -'	*/	
					3262	* /* - R3, R7 Working Register	*/	
					3263	* /* *****		
			01800		3264	PREFMSG EQU *		
001800	D207	90BA	A01E	000BA	0001E	3265	MVC DJMSG+00(8),PGMID	
001806	5830	933C		0033C		3266	L R3,RCEXIT	Load RCEXIT code value
00180A	4E30	9330		00330		3267	CVD R3,DW	Convert to decimal
00180E	F342	90C2	9335	000C2	00335	3268	UNPK DJMSG+08(5),DW+5(3)	Unpack
001814	96F0	90C6		000C6		3269	OI DJMSG+12,X'F0'	Force an F Zone
001818	9240	90C2		000C2		3270	MVI DJMSG+08,C' '	Blank out digit
00181C	9260	90C8		000C8		3271	MVI DJMSG+14,C' - '	Blank out digit
					3272	*		
001820	07F7				3273	BR R7		Return to caller
					3274	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
					3276 *	/* ***** */	
					3277 *	/* Subroutine - Allocate Dataset for DIR Info (R7) */	
					3278 *	/* - R0 Working Register */	
					3279 *	/* - R1 Working Register */	
					3280 *	/* - R2 Working Register */	
					3281 *	/* - R3 Working Register */	
					3282 *	/* - R5 Working Register */	
					3283 *	/* ***** */	
			01822		3284 PDSALC	EQU *	
					3285 *		
					3286 *	/* Build MYDAPL area comprised of 5 FW */	
					3287 *	/* using DAPL DSECT with data from CPPL */	
					3288 *		
001822	4110	96F0	006F0		3289	LA R1,MYDAPL MYDAPL area, 5 FW	
				00000	3290	USING DAPL,R1 Use DAPL DSECT	
001826	5820	96E8	006E8		3291	L R2,MYCPPLP MYCPPL address	
				00000	3292	USING CPPL,R2 Use CPPL DSECT	
00182A	D203	1000	2004	00000	3293	MVC DAPLUPT(4),CPPLUPT Init DAPLUPT FW1	
001830	D203	1004	200C	00004	3294	MVC DAPLECT(4),CPPLECT Init DAPLECT FW2	
001836	4100	96EC		006EC	3295	LA R0,MYECB	
00183A	5000	1008		00008	3296	ST R0,DAPLECB	
00183E	D203	100C	2008	0000C	3297	MVC DAPLPSCB(4),CPPLPSCB Init DAPLPSCB FW4	
001844	4130	9708		00708	3298	LA R3,MYDAPB MYDAPB area, dynalloc block	
001848	5030	1010		00010	3299	ST R3,DAPLDAPB Init DAPLDAPB FW5	
					3300 *	/* ----- */	
					3301 *	/* Build DAPB08 Allocate Block for Dynamic */	
					3302 *	/* Allocation Interface Routine (DAIR) */	
					3303 *	/* ----- */	
				00000	3304	USING DAPB08,R3 Use DAPB08 DSECT	
00184C	D253	3000	CAD0	00000	3305	MVC 0(INPB08L,R3),INPB08 Init MYDAPB w X'08' entry code	
001852	4100	908C		0008C	3306	LA R0,DDSNL Name length and name of Dataset	LB1010e
001856	5000	3008		00008	3307	ST R0,DA08PDSN	
00185A	D207	3014	C0B0	00014	3308	MVC DA08UNIT,=CL8'SYSALLDA' UNIT=SYSALLDA	
001860	D205	301C	9170	0001C	3309	MVC DA08SER(L'DVOLSER),DVOLSER VOL=SER=	
001866	9208	3044		00044	3310	MVI DA08DSP1,DA08SHR DISP=SHR	
00186A	4550	B89E		0189E	3311	BAL R5,DAIR Call DAIR	
00186E	12FF				3312	LTR R15,R15 Allocate successful?	
001870	4770	B882		01882	3313	BNZ PDSALCXT NO, exit	
001874	4130	9708		00708	3314	LA R3,MYDAPB YES, get DDN	
001878	D207	9860	300C	00860	3315	MVC DDNAME,DA08DDN	
00187E	92E8	987C		0087C	3316	MVI ALLOCPO,C'Y' PDS Allocated Flag init to YES	LB1010h
				01882	3317 PDSALCXT	EQU *	
					3318 *		
001882	07F7				3319	BR R7 Return to caller	
					3320 *		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20	
					3322 *	/* *****/		
					3323 *	/* Subroutine - Free Dataset (R7) */		
					3324 *	/* *****/		
			01884		3325 PDSFRE	EQU *		
					3326 *	/* ----- */		
					3327 *	/* Build DAPB18 Free Block for Dyanamic */		
					3328 *	/* Allocation Interface Routine (DAIR) */		
					3329 *	/* ----- */		
001884	4130	9708	00708		3330	LA R3,MYDAPB	Addr of MYDAPB for DAIR	
			00000		3331	USING DAPB18,R3	Use DAPB18 DSECT	
001888	D227	3000	CB28	00000	02B28	3332	MVC 0(INPB18L,R3),INPB18	Init MYDAPB w X'18' entry code
00188E	D207	300C	9860	0000C	00860	3333	MVC DA18DDN,DDNAME	
001894	4110	96F0		006F0		3334	LA R1,MYDAPL	Load R1 with block addr
001898	4550	B89E		0189E		3335	BAL R5,DAIR	Call DAIR
					3336 *			
			0189C		3337 PDSFREXT	EQU *		
					3338 *			
00189C	07F7				3339	BR R7	Return to caller	
					3340 *			
					3341 *	/* *****/		
					3342 *	/* Subroutine - DAIR Link (R5) */		
					3343 *	/* *****/		
			0189E		3344 DAIR	EQU *		
					3345	PRINT GEN		
					3346	LINK EP=IKJDAIR,MF=(E,(R1)),ERRET=ERR4097	Link	
00189E	1811				3347+	LR 1,(R1)	LOAD PARAMETER REG 1	02050002
0018A0					3348+	CNOP 0,4		04900000
0018A0	45F0	B8B8	018B8		3349+	BAL 15,*+24	BRANCH AROUND CONSTANTS	04950000
0018A4	000018B0				3350+	DC A(*+12)	ADDR. OF PARM. LIST	05050000
0018A8	80				3351+	DC X'80'	RETURN REQUESTED INDICATOR	06300000
0018A9	000000				3352+	DC AL3(0)	DCB ADDRESS PARAMETER	06350000
0018AC	000016BC				3353+	DC A(ERR4097)	RETURN ADDRESS PARAMETER	06450000
0018B0	C9D2D1C4C1C9D940				3354+	DC CL8'IKJDAIR'	EP PARAMETER	06750000
0018B8	0A06				3355+	SVC 6	ISSUE LINK SVC	48000000
					3356	PRINT NOGEN		
					3357 *			
0018BA	07F5				3358	BR R5		
					3359 *			

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
					3361 *	/* *****	*/
					3362 *	/* Subroutine - Sum Extents	(R7) */
					3363 *	/* - R0, R1 Working Registers	*/
					3364 *	/* - R2 Total CYL	*/
					3365 *	/* - R3 Total TRKS	*/
					3366 *	/* *****	*/
			018BC		3367 TOTEXTS	EQU *	
0018BC	1B11				3368	SR R1,R1	Use R1 and R0 for
0018BE	1B00				3369	SR R0,R0	...work CC and HH
0018C0	BF13	4006	00006		3370	ICM R1,B'0011',6(R4)	CC High value
0018C4	BF03	4002	00002		3371	ICM R0,B'0011',2(R4)	CC Low value
0018C8	1B10				3372	SR R1,R0	Extent total
0018CA	1A31				3373	AR R3,R1	R3 = Total CYL (CC)
0018CC	BF13	4008	00008		3375	ICM R1,B'0011',8(R4)	HH High value
0018D0	4111	0001	00001		3376	LA R1,1(R1)	HH, up by 1 to account for 0
0018D4	BF03	4004	00004		3377	ICM R0,B'0011',4(R4)	HH Low value
0018D8	1B10				3378	SR R1,R0	Extent total
0018DA	1A21				3379	AR R2,R1	R2 = Total TRKS (HH)
					3380 *		
0018DC	07F7				3381	BR R7	Return to caller
					3382 *		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
					3384 *	/* *****/	
					3385 *	/* Subroutine - Set MSG1 Text and Length (R7) */	
					3386 *	/* Subroutine - Set MSG2 Text and Length (R7) */	
					3387 *	/* Set R5 to length of DMSG1 / DMSG2 text */	
					3388 *	/* - R3, R4, R6 Working Registers */	
					3389 *	/* - R5 Length of DMSG1 text */	
					3390 *	/* *****/	
			018DE		3391 SETML1	EQU *	
0018DE	4130	C8A9	028A9		3392	LA R3,RCTBLBEG	Addr of Return Code TBL
0018E2	4133	0068	00068		3393	LA R3,RCTBLLEN-1(R3)	Calc End Addr of Return Code TBL
0018E6	4140	C8A9	028A9		3394	LA R4,RCTBLBEG	Addr of Return Code TBL
0018EA	D201	9368	936A 00368	0036A	3395	MVC CD,RC	Return Code
0018F0	47F0	B90A	0190A		3396	B CHKCD	
			018F4		3397 SETML2	EQU *	
0018F4	4130	C6BC	026BC		3398	LA R3,RSTBLBEG	Addr of Reason Code TBL
0018F8	4133	01EC	001EC		3399	LA R3,RSTBLLEN-1(R3)	Calc End Addr of Reason Code TBL
0018FC	4140	C6BC	026BC		3400	LA R4,RSTBLBEG	Addr of Reason Code TBL
001900	D201	9368	911E 00368	0011E	3401	MVC CD,DRSNCODE	Reason Code
001906	47F0	B90A	0190A		3402	B CHKCD	
			0190A		3403 CHKCD	EQU *	Find Return Code
00190A	1943				3404	CR R4,R3	Exhausted table?
00190C	4720	B92A	0192A		3405	BH CDNOFIND	Yes!
001910	D501	4000	9368 00000	00368	3406	CLC 0(2,R4),CD	Code match?
001916	4780	B938	01938		3407	BE CDFFOUND	YES, found entry
					3408 *		NO, position to next Return Code ent
00191A	4144	0002	00002		3409	LA R4,2(R4)	Point to len of current msg
00191E	4A44	0000	00000		3410	AH R4,0(R4)	Add len of current msg
001922	4144	0002	00002		3411	LA R4,2(R4)	Adj for len of current msg
001926	47F0	B90A	0190A		3412	B CHKCD	Check again.
			0192A		3413 CDNOFIND	EQU *	
00192A	D201	9120	C178 00120	02178	3414	MVC DMSG1(2),=C'??'	Exhausted table lookup loop
001930	4150	0002	00002		3415	LA R5,2	.. msg '??', len=2
001934	47F0	B95E	0195E		3416	B CDC1	
			01938		3417 CDFFOUND	EQU *	
001938	4144	0002	00002		3418	LA R4,2(R4)	R4 = addr of current msg len
00193C	4854	0000	00000		3419	LH R5,0(R4)	R5 = len of current msg
001940	4144	0002	00002		3420	LA R4,2(R4)	R4 = addr of current msg text
001944	4160	0028	00028		3421	LA R6,L'DMSG1	R6 = max length
001948	1956				3422	CR R5,R6	Max msg length?
00194A	47D0	B950	01950		3423	BNH MOVEML1	NO, move msg text L1
00194E	1856				3424	LR R5,R6	Force max msg length
			01950		3425 MOVEML1	EQU *	
001950	4450	B958	01958		3426	EX R5,MVCMSG1	EX MSGVLV1 text from table
001954	47F0	B95E	0195E		3427	B CDC1	
001958	D200	9120	4000 00120	00000	3428 MVCMSG1	MVC DMSG1(0),0(R4)	MVC DMSG1
			0195E		3429 CDC1	EQU *	
00195E	5050	9360	00360		3430	ST R5,DMSG1L	Store Length
					3431 *		
001962	07F7				3432	BR R7	Return to caller
					3433 *		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					3435	*	/* *****	*/
					3436	*	/* Subroutine - Date Convert CCYY/JJJ	(R7) */
					3437	*	/* Date windowing of 70.	*/
					3438	*	/* - R5 Working Register	*/
					3439	*	/* *****	*/
			01964		3440	DATECONV	EQU *	
001964	D703	9338	9338	00338	00338	3441	XC	FW,FW Clear contents
00196A	D200	933B	6000	0033B	00000	3442	MVC	FW+3(1),0(R6) Get YY portion
001970	5850	9338		00338		3443	L	R5,FW Load FW to R5
001974	5950	C1FC		021FC		3444	C	R5,Y2KWIN Before Y2k Window?
001978	4740	B984		01984		3445	BL	DATECY2 YES, assume CC 20
			0197C		3446	DATECY1	EQU *	
00197C	4155	076C		0076C		3447	LA	R5,1900(R5) NO, assume CC 19
001980	47F0	B988		01988		3448	B	DATECCNT Continue...
			01984		3449	DATECY2	EQU *	
001984	4155	07D0		007D0		3450	LA	R5,2000(R5) CC 20...
			01988		3451	DATECCNT	EQU *	
					3452	*	/* -----	*/
					3453	*	/* CCYY, JJJ	*/
					3454	*	/* -----	*/
001988	4E50	9330		00330		3455	CVD	R5,DW R5 to decimal
00198C	F342	92A0	9335	002A0	00335	3456	UNPK	DC#CCYY,DW+5(3) Unpack 0CCYY and
001992	96F0	92A4		002A4		3457	OI	DC#CCYY+4,X'F0' ... force and F zone
001996	D703	9338	9338	00338	00338	3458	XC	FW,FW Clear contents
00199C	D201	933A	6001	0033A	00001	3459	MVC	FW+2(2),1(R6) Get 0JJJ portion
0019A2	5850	9338		00338		3460	L	R5,FW ... and convert
0019A6	4E50	9330		00330		3461	CVD	R5,DW ... to decimal
0019AA	F321	9294	9336	00294	00336	3462	UNPK	DC#JJJ,DW+6(2) Unpack JJJ and
0019B0	96F0	9296		00296		3463	OI	DC#JJJ+2,X'F0' ... force and F zone
					3464	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20	
				019B4	3466	DATELEAP	EQU *		
0019B4	4130	0000	00000		3467	LA	R3,0	Leap Count (0 or 1)	
0019B8	4050	9292	00292		3468	STH	R5,DC#HJJJ	R5 contains JJJ	
0019BC	4950	C17A	0217A		3469	CH	R5,=H'59'	R5 = JJJ, > 2/28?	
0019C0	47D0	B9EE	019EE		3470	BNH	NOLEAP	NO, not leap year eligible	
					3471	*		YES, check for leap year	
0019C4	F234	928D	92A0	0028D	002A0	3472	PACK	DC#YR,DC#CCYY	Pack CCYY
0019CA	FD31	928D	C17C	0028D	0217C	3473	DP	DC#YR,=P'100'	CCYY / 100
0019D0	F910	928F	C19F	0028F	0219F	3474	CP	DC#YR+2(2),=P'0'	Remainder 0?
0019D6	4720	B9EE		019EE		3475	BH	NOLEAP	NO, not leap year
0019DA	FD31	928D	C17E	0028D	0217E	3476	DP	DC#YR,=P'400'	YES, check CCYY / 400
0019E0	F910	928F	C19F	0028F	0219F	3477	CP	DC#YR+2(2),=P'0'	Remainder 0?
0019E6	4720	B9EE		019EE		3478	BH	NOLEAP	NO, not leap year
				019EA	3479	YESLEAP	EQU *	YES, leap year	
0019EA	4130	0001	00001		3480	LA	R3,1		
				019EE	3481	NOLEAP	EQU *		
0019EE	4150	000C	0000C		3482	LA	R5,12	Number of Months, 12!	
0019F2	4160	C1E4	021E4		3483	LA	R6,DAYSTBLJ	Addr of Julian Days Table,	
				019F6	3484	CHKME	EQU *		
0019F6	4886	0000	00000		3485	LH	R8,0(R6)	Load R8 with month julian start days	
0019FA	4950	C180	02180		3486	CH	R5,=H'2'	JAN or FEB?	
0019FE	4780	BA08	01A08		3487	BE	NOADD	YES,	
001A02	4740	BA08	01A08		3488	BL	NOADD	YES,	
001A06	1A83				3489	AR	R8,R3	NO, Account for leap year	
				01A08	3490	NOADD	EQU *		
001A08	4980	9292	00292		3491	CH	R8,DC#HJJJ	Found MONTH based on number of days?	
					3492	***	BE	DONELOOP	YES, done. 334 350 334 334
001A0C	4740	BA18	01A18		3493	BL	DONELOOP	YES, done.	
001A10	4166	0002	00002		3494	LA	R6,2(R6)	NO, bump up to next month	
001A14	4650	B9F6	019F6		3495	BCT	R5,CHKME	Look again.	
				01A18	3497	DONELOOP	EQU *		
					3498	*	*/	*/	
					3499	*	*/ MM, DD	*/	
					3500	*	*/	*/	
					3501	*	R5 month		
001A18	4E50	9330	00330		3502	CVD	R5,DW	R5 to decimal	
001A1C	F321	929A	9336	0029A	00336	3503	UNPK	DC#MM,DW+6(2)	Unpack 0MM and
001A22	96F0	929C		0029C		3504	OI	DC#MM+2,X'F0'	... force and F zone
001A26	4850	9292		00292		3505	LH	R5,DC#HJJJ	Load R5 with JJJ
001A2A	1B58					3506	SR	R5,R8	JJJ - Julian Days in Month
001A2C	4E50	9330	00330		3507	CVD	R5,DW	R5 to decimal	
001A30	F321	929D	9336	0029D	00336	3508	UNPK	DC#DD,DW+6(2)	Unpack 0DD and
001A36	96F0	929F		0029F		3509	OI	DC#DD+2,X'F0'	... force and F zone
					3510	*			
001A3A	07F7				3511	BR	R7	Return to caller	
					3512	*			

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
					3514 *	/* *****	
					3515 *	/* Subroutine - Store Symbolic Variable (R5) */	
					3516 *	/* -JMSG'RC=xxx IKJCT441 error w zzzzzzzzzzzzzzzzzzz' */	
					3517 *	/* *****	
001A3C	4110	904C	0004C	01A3C	3518 SETVAR	EQU *	
					3519	LA R1,CT441LST R1 = Parm List	
					3520 *	PRINT GEN	
001A40	58F0	9048	00048		3521 **	LINK EP=IKJCT441,ERRET=ERR4098 Link	LB1010i
001A44	05EF				3522	L R15,IKJCT441	LB1010i
					3523	BALR R14,R15	LB1010i
001A46	50F0	9318	00318		3524 *	PRINT NOGEN	
					3525	ST R15,SAVER15 SAVE R15	
001A4A	12FF				3526 *	DISPLAY DATA=((R15),R,)	
001A4C	4780	BA8A	01A8A		3527	LTR R15,R15 R15=0?	
					3528	BZ SETVARXT YES.	
					3529 *	NO.	
001A50	D229	90BA	CA43	000BA	02A43	3530 MVC DJMSG(L'MSGJ027),MSGJ027 Move to &SYSLISTDSJMSG	
001A56	4EF0	9330		00330		3531 CVD R15,DW Convert to decmial	
001A5A	F321	90BD	9336	000BD	00336	3532 UNPK DJMSG+3(3),DW+6(2) Unpack and	
001A60	96F0	90BF		000BF		3533 OI DJMSG+5,X'F0' ... force and F zone	
001A64	5800	9064		00064		3534 L R0,NAMP1	
001A68	5810	9068		00068		3535 L R1,NAML1 18	
001A6C	5910	C11C		0211C		3536 C R1,=F'18'	
001A70	4720	BA78		01A78		3537 BH MVCMAX	
001A74	47F0	BA7C		01A7C		3538 B MVCOK	
001A78	4110	0012		00012	01A78	3539 MVCMAX EQU *	
					3540	LA R1,18	
					01A7C	3541 MVCOK EQU *	
001A7C	4410	BA84		01A84		3542 EX R1,MVCSYS	
001A80	47F0	BA8A		01A8A		3543 B SETVARXT	
001A84	D200	90D2	0000	000D2	00000	3544 MVCSYS MVC DJMSG+24(00),0(R0)	
					3545 *		
001A8A	07F5			01A8A	3546 SETVARXT	EQU *	
					3547	BR R5 Return to caller	
					3548 *		
					3549 *	/* *****	
					3550 *	/* Return codes for IKJCT441 */	
					3551 *	/*	
					3552 *	/* 0 - SUCCESS */	
					3553 *	/* 4 - VARIABLE RETURNED SHOULDN'T BE RE-SCANNED */	
					3554 *	/* 8 - VARIABLE RETURNED REQUIRES EVALUATION */	
					3555 *	/* 12 - VARIABLE RETURNED IS A LABEL (CANNOT UPDATE) */	
					3556 *	/* 16 - SYSTEM VARIABLE - CAN'T BE UPDATED BY THE USER */	
					3557 *	/* 20 - FOR LOCATE - NO MORE VARIABLES TO RETURN */	
					3558 *	/* 32 - GETMAIN/FREEMAIN FAILURE */	
					3559 *	/* 36 - NAME LENGTH < 1 OR > 252 */	
					3560 *	/* -OR- VALUE LENGTH < 0 OR > 32767 */	
					3561 *	/* 40 - INCORRECT ENVIRONMENT - */	
					3562 *	/* PLIST ERROR OR NO CLIST ACTIVE */	
					3563 *	/* 44 - INVALID ENTRY CODE */	
					3564 *	/* 52 - UNDEFINED VARIABLE */	
					3565 *	/*	
					3566 *	/* *****	
					3567 *		LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
					3569	*	/* ***** */	LB1010h
					3570	*	/* Subroutine - ISPF VDEFINE (R7) */	LB1010h
					3571	*	/* - R5, R1, R14, R15 Working Registers */	LB1010h
					3572	*	/* ***** */	LB1010h
				01A8C	3573	VARDEFS	EQU *	LB1010h
					3574	*	/* CALL ISPLINK, (VDEFINE, IMEMBRN, IMEMBR, CHAR, IMEMBRL), VL */	LB1010h
				01A8C	3575	VDEF1	EQU *	LB1010h
001A8C	D207	90C1	CB50	000C1	02B50	3576	MVC DJMSG+7(L'VDEFINE),VDEFINE	LB1010h
001A92	4150	CB50		02B50	3577	LA R5,VDEFINE	ISP Service	LB1010h
001A96	5050	9078		00078	3578	ST R5,ISFPF1		LB1010h
001A9A	4150	CBF1		02BF1	3579	LA R5,IMEMBRN	Member Name	LB1010h
001A9E	5050	907C		0007C	3580	ST R5,ISFPF2		LB1010h
001AA2	4150	92D7		002D7	3581	LA R5,IMEMBR	Data Variable	LB1010h
001AA6	5050	9080		00080	3582	ST R5,ISFPF3		LB1010h
001AAA	4150	CB98		02B98	3583	LA R5,CHAR	Data Type	LB1010h
001AAE	5050	9084		00084	3584	ST R5,ISFPF4		LB1010h
001AB2	4150	CC44		02C44	3585	LA R5,IMEMBRL	Data Length	LB1010h
001AB6	5050	9088		00088	3586	ST R5,ISFPF5		LB1010h
001ABA	9680	9088		00088	3587	OI ISFPF5,X'80'	VL mark	LB1010h
001ABE	4110	9078		00078	3588	LA R1,ISFPF1	Load Parm	LB1010h
001AC2	58F0	9074		00074	3589	L R15,ISPLINK	Call ISPLINK	LB1010h
001AC6	05EF				3590	BALR R14,R15		LB1010h
001AC8	12FF				3591	LTR R15,R15		LB1010h
001ACA	4780	BAD8		01AD8	3592	BZ VDEF2		LB1010h
001ACE	D207	90CA	CBF1	000CA	02BF1	3593	MVC DJMSG+16(L'IMEMBRN),IMEMBRN	LB1010h
001AD4	47F0	B436		01436	3594	B ISPFERR		LB1010h
				01AD8	3595	VDEF2	EQU *	LB1010h
					3596	* * * /*	CALL ISPLINK, (VDEFINE, ITTRPN, ITTRP, CHAR, ITTRPL), VL */	LB1010h
001AD8	4150	CBF9		02BF9	3597	LA R5,ITTRPN	TTR	LB1010h
001ADC	5050	907C		0007C	3598	ST R5,ISFPF2		LB1010h
001AE0	4150	92DF		002DF	3599	LA R5,ITTRP	Data Variable	LB1010h
001AE4	5050	9080		00080	3600	ST R5,ISFPF3		LB1010h
001AE8	4150	CC48		02C48	3601	LA R5,ITTRPL	Data Length	LB1010h
001AEC	5050	9088		00088	3602	ST R5,ISFPF5		LB1010h
001AF0	9680	9088		00088	3603	OI ISFPF5,X'80'	VL mark	LB1010h
001AF4	4110	9078		00078	3604	LA R1,ISFPF1	Load Parm	LB1010h
001AF8	58F0	9074		00074	3605	L R15,ISPLINK	Call ISPLINK	LB1010h
001AFC	05EF				3606	BALR R14,R15		LB1010h
001AFE	12FF				3607	LTR R15,R15		LB1010h
001B00	4780	BB0E		01B0E	3608	BZ VDEF3		LB1010h
001B04	D207	90CA	CBF9	000CA	02BF9	3609	MVC DJMSG+16(L'ITTRPN),ITTRPN	LB1010h
001B0A	47F0	B436		01436	3610	B ISPFERR		LB1010h
				01B0E	3611	VDEF3	EQU *	LB1010h
					3612	* * * /*	CALL ISPLINK, (VDEFINE, IVVMN, IVVMM, CHAR, IVVMML), VL */	LB1010h
001B0E	4150	CC01		02C01	3613	LA R5,IVVMN	Version-Modification	LB1010h
001B12	5050	907C		0007C	3614	ST R5,ISFPF2		LB1010h
001B16	4150	92E5		002E5	3615	LA R5,IVVMM	Data Variable	LB1010h
001B1A	5050	9080		00080	3616	ST R5,ISFPF3		LB1010h
001B1E	4150	CC4C		02C4C	3617	LA R5,IVVMML	Data Length	LB1010h
001B22	5050	9088		00088	3618	ST R5,ISFPF5		LB1010h
001B26	9680	9088		00088	3619	OI ISFPF5,X'80'	VL mark	LB1010h
001B2A	4110	9078		00078	3620	LA R1,ISFPF1	Load Parm	LB1010h
001B2E	58F0	9074		00074	3621	L R15,ISPLINK	Call ISPLINK	LB1010h
001B32	05EF				3622	BALR R14,R15		LB1010h
001B34	12FF				3623	LTR R15,R15		LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
001B36	4780	BB44	01B44		3624	BZ	VDEF4	LB1010h
001B3A	D207	90CA	CC01	000CA	02C01	3625	MVC	DJMSG+16(L'IVVMMN),IVVMMN
001B40	47F0	B436		01436	3626	B	ISPFERR	LB1010h
				01B44	3627	VDEF4	EQU *	LB1010h
					3628	* * *	/* CALL ISPLINK,(VDEFINE,ICDTEN,ICDTE,CHAR,ICDTEL),VL */	LB1010h
001B44	4150	CC09		02C09	3629	LA	R5,ICDTEN	LB1010h
001B48	5050	907C		0007C	3630	ST	R5,ISFPF2	LB1010h
001B4C	4150	92EA		002EA	3631	LA	R5,ICDTE	LB1010h
001B50	5050	9080		00080	3632	ST	R5,ISFPF3	LB1010h
001B54	4150	CC50		02C50	3633	LA	R5,ICDTEL	LB1010h
001B58	5050	9088		00088	3634	ST	R5,ISFPF5	LB1010h
001B5C	9680	9088		00088	3635	OI	ISFPF5,X'80'	LB1010h
001B60	4110	9078		00078	3636	LA	R1,ISFPF1	LB1010h
001B64	58F0	9074		00074	3637	L	R15,ISPLINK	LB1010h
001B68	05EF				3638	BALR	R14,R15	LB1010h
001B6A	12FF				3639	LTR	R15,R15	LB1010h
001B6C	4780	BB7A		01B7A	3640	BZ	VDEF5	LB1010h
001B70	D207	90CA	CC09	000CA	02C09	3641	MVC	DJMSG+16(L'ICDTEN),ICDTEN
001B76	47F0	B436		01436	3642	B	ISPFERR	LB1010h
				01B7A	3643	VDEF5	EQU *	LB1010h
					3644	* * *	/* CALL ISPLINK,(VDEFINE,IMDTEN,IMDTE,CHAR,IMDTEL),VL */	LB1010h
001B7A	4150	CC11		02C11	3645	LA	R5,IMDTEN	LB1010h
001B7E	5050	907C		0007C	3646	ST	R5,ISFPF2	LB1010h
001B82	4150	92F2		002F2	3647	LA	R5,IMDTE	LB1010h
001B86	5050	9080		00080	3648	ST	R5,ISFPF3	LB1010h
001B8A	4150	CC54		02C54	3649	LA	R5,IMDTEL	LB1010h
001B8E	5050	9088		00088	3650	ST	R5,ISFPF5	LB1010h
001B92	9680	9088		00088	3651	OI	ISFPF5,X'80'	LB1010h
001B96	4110	9078		00078	3652	LA	R1,ISFPF1	LB1010h
001B9A	58F0	9074		00074	3653	L	R15,ISPLINK	LB1010h
001B9E	05EF				3654	BALR	R14,R15	LB1010h
001BA0	12FF				3655	LTR	R15,R15	LB1010h
001BA2	4780	BBB0		01BB0	3656	BZ	VDEF6	LB1010h
001BA6	D207	90CA	CC11	000CA	02C11	3657	MVC	DJMSG+16(L'IMDTEN),IMDTEN
001BAC	47F0	B436		01436	3658	B	ISPFERR	LB1010h
				01BB0	3659	VDEF6	EQU *	LB1010h
					3660	* * *	/* CALL ISPLINK,(VDEFINE,IRINTN,IRINT,CHAR,IRINTL),VL */	LB1010h
001BB0	4150	CC29		02C29	3661	LA	R5,IRINTN	LB1010h
001BB4	5050	907C		0007C	3662	ST	R5,ISFPF2	LB1010h
001BB8	4150	9307		00307	3663	LA	R5,IRINT	LB1010h
001BBC	5050	9080		00080	3664	ST	R5,ISFPF3	LB1010h
001BC0	4150	CC60		02C60	3665	LA	R5,IRINTL	LB1010h
001BC4	5050	9088		00088	3666	ST	R5,ISFPF5	LB1010h
001BC8	9680	9088		00088	3667	OI	ISFPF5,X'80'	LB1010h
001BCC	4110	9078		00078	3668	LA	R1,ISFPF1	LB1010h
001BD0	58F0	9074		00074	3669	L	R15,ISPLINK	LB1010h
001BD4	05EF				3670	BALR	R14,R15	LB1010h
001BD6	12FF				3671	LTR	R15,R15	LB1010h
001BD8	4780	BBE6		01BE6	3672	BZ	VDEF7	LB1010h
001BDC	D207	90CA	CC29	000CA	02C29	3673	MVC	DJMSG+16(L'IRINTN),IRINTN
001BE2	47F0	B436		01436	3674	B	ISPFERR	LB1010h
				01BE6	3675	VDEF7	EQU *	LB1010h
					3676	* * *	/* CALL ISPLINK,(VDEFINE,IRCURN,IRCUR,CHAR,IRCURL),VL */	LB1010h
001BE6	4150	CC21		02C21	3677	LA	R5,IRCURN	LB1010h
001BEA	5050	907C		0007C	3678	ST	R5,ISFPF2	LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
001BEE	4150	9302	00302		3679	LA	R5, IRCUR	Data Variable LB1010h
001BF2	5050	9080	00080		3680	ST	R5, ISFPF3	LB1010h
001BF6	4150	CC5C	02C5C		3681	LA	R5, IRCURL	Data Length LB1010h
001BFA	5050	9088	00088		3682	ST	R5, ISFPF5	LB1010h
001BFE	9680	9088	00088		3683	OI	ISFPF5, X'80'	VL mark LB1010h
001C02	4110	9078	00078		3684	LA	R1, ISFPF1	Load Parm LB1010h
001C06	58F0	9074	00074		3685	L	R15, ISPLINK	Call ISPLINK LB1010h
001C0A	05EF				3686	BALR	R14, R15	LB1010h
001C0C	12FF				3687	LTR	R15, R15	LB1010h
001C0E	4780	BC1C	01C1C		3688	BZ	VDEF8	LB1010h
001C12	D207	90CA	CC21 000CA	02C21	3689	MVC	DJMSG+16(L'IRCURN), IRCURN	LB1010h
001C18	47F0	B436	01436		3690	B	ISPFERR	LB1010h
			01C1C		3691	EQU	*	LB1010h
					3692	* * * /*	CALL ISPLINK, (VDEFINE, IRMODN, IRMOD, CHAR, IRMODL), VL */	LB1010h
001C1C	4150	CC31	02C31		3693	LA	R5, IRMODN	Record Count Modified LB1010h
001C20	5050	907C	0007C		3694	ST	R5, ISFPF2	LB1010h
001C24	4150	930C	0030C		3695	LA	R5, IRMOD	Data Variable LB1010h
001C28	5050	9080	00080		3696	ST	R5, ISFPF3	LB1010h
001C2C	4150	CC64	02C64		3697	LA	R5, IRMODL	Data Length LB1010h
001C30	5050	9088	00088		3698	ST	R5, ISFPF5	LB1010h
001C34	9680	9088	00088		3699	OI	ISFPF5, X'80'	VL mark LB1010h
001C38	4110	9078	00078		3700	LA	R1, ISFPF1	Load Parm LB1010h
001C3C	58F0	9074	00074		3701	L	R15, ISPLINK	Call ISPLINK LB1010h
001C40	05EF				3702	BALR	R14, R15	LB1010h
001C42	12FF				3703	LTR	R15, R15	LB1010h
001C44	4780	BC52	01C52		3704	BZ	VDEF9	LB1010h
001C48	D207	90CA	CC31 000CA	02C31	3705	MVC	DJMSG+16(L'IRMODN), IRMODN	LB1010h
001C4E	47F0	B436	01436		3706	B	ISPFERR	LB1010h
			01C52		3707	EQU	*	LB1010h
					3708	* * * /*	CALL ISPLINK, (VDEFINE, IUSRIDN, IUSRID, CHAR, IUSRIDL), VL */	LB1010h
001C52	4150	CC39	02C39		3709	LA	R5, IUSRIDN	User ID LB1010h
001C56	5050	907C	0007C		3710	ST	R5, ISFPF2	LB1010h
001C5A	4150	9311	00311		3711	LA	R5, IUSRID	Data Variable LB1010h
001C5E	5050	9080	00080		3712	ST	R5, ISFPF3	LB1010h
001C62	4150	CC68	02C68		3713	LA	R5, IUSRIDL	Data Length LB1010h
001C66	5050	9088	00088		3714	ST	R5, ISFPF5	LB1010h
001C6A	9680	9088	00088		3715	OI	ISFPF5, X'80'	VL mark LB1010h
001C6E	4110	9078	00078		3716	LA	R1, ISFPF1	Load Parm LB1010h
001C72	58F0	9074	00074		3717	L	R15, ISPLINK	Call ISPLINK LB1010h
001C76	05EF				3718	BALR	R14, R15	LB1010h
001C78	12FF				3719	LTR	R15, R15	LB1010h
001C7A	4780	BC88	01C88		3720	BZ	VDEF10	LB1010h
001C7E	D207	90CA	CC39 000CA	02C39	3721	MVC	DJMSG+16(L'IUSRIDN), IUSRIDN	LB1010h
001C84	47F0	B436	01436		3722	B	ISPFERR	LB1010h
			01C88		3723	EQU	*	LB1010h
					3724	* * * /*	CALL ISPLINK, (VDEFINE, IMTIMN, IMTIM, CHAR, IMTIML), VL */	LB1010h
001C88	4150	CC19	02C19		3725	LA	R5, IMTIMN	Modify Time hh:mm:ss LB1010h
001C8C	5050	907C	0007C		3726	ST	R5, ISFPF2	LB1010h
001C90	4150	92FA	002FA		3727	LA	R5, IMTIM	Data Variable LB1010h
001C94	5050	9080	00080		3728	ST	R5, ISFPF3	LB1010h
001C98	4150	CC58	02C58		3729	LA	R5, IMTIML	Data Length LB1010h
001C9C	5050	9088	00088		3730	ST	R5, ISFPF5	LB1010h
001CA0	9680	9088	00088		3731	OI	ISFPF5, X'80'	VL mark LB1010h
001CA4	4110	9078	00078		3732	LA	R1, ISFPF1	Load Parm LB1010h
001CA8	58F0	9074	00074		3733	L	R15, ISPLINK	Call ISPLINK LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20	
001CAC	05EF				3734	BALR	R14, R15	LB1010h	
001CAE	12FF				3735	LTR	R15, R15	LB1010h	
001CB0	4780	BCBE	01CBE		3736	BZ	VDEF11	LB1010h	
001CB4	D207	90CA	CC19	000CA	02C19	3737	MVC	DJMSG+16(L'IMTIMN), IMTIMN	LB1010h
001CBA	47F0	B436	01436		3738	B	ISPFERR	LB1010h	
			01CBE		3739	VDEF11	EQU *	LB1010h	
			01CBE		3740	VARDEFSX	EQU *	LB1010h	
001CBE	07F7				3741	BR	R7	LB1010h	
					3742	*	Return to caller	LB1010h	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
					3744 *	/* *****/	LB1010h
					3745 *	/* Subroutine - ISPF TBERASE (R7) */	LB1010h
					3746 *	/* - R5, R1, R14, R15 Working Registers */	LB1010h
					3747 *	/* *****/	LB1010h
			01CC0		3748 ERASETB EQU *		LB1010h
					3749 * * * /*	CALL ISPLINK, (TBERASE, TBN), VL	LB1010h
			01CC0		3750 ERASE01 EQU *		LB1010h
001CC0	D207	90C1 CB70	000C1	02B70	3751	MVC DJMSG+7(L'TBERASE), TBERASE	LB1010h
					3752 *	CALL ISPLINK, (TBERASE, TBN), VL	LB1010h
001CC6	4150	CB70	02B70		3753	LA R5, TBERASE ISP Service	LB1010h
001CCA	5050	9078	00078		3754	ST R5, ISFPF1	LB1010h
001CCE	4150	92B6	002B6		3755	LA R5, TBN Table Name	LB1010h
001CD2	5050	907C	0007C		3756	ST R5, ISFPF2	LB1010h
001CD6	9680	907C	0007C		3757	OI ISFPF2, X'80' VL mark	LB1010h
001CDA	4110	9078	00078		3758	LA R1, ISFPF1 Load Parm	LB1010h
001CDE	58F0	9074	00074		3759	L R15, ISPLINK Call ISPLINK	LB1010h
001CE2	05EF				3760	BALR R14, R15	LB1010h
001CE4	12FF				3761	LTR R15, R15	LB1010h
001CE6	4780	BCFC	01CFC		3762	BZ ERASETBX Table erased...	LB1010h
001CEA	59F0	C0F4	020F4		3763	C R15, =F'8'	LB1010h
001CEE	4780	BCFC	01CFC		3764	BE ERASETBX Table not found...	LB1010h
001CF2	D207	90CA 92B6	000CA	002B6	3765	MVC DJMSG+16(L'TBN), TBN	LB1010h
001CF8	47F0	B436	01436		3766	B ISPFERR	LB1010h
			01CFC		3767 ERASETBX EQU *		LB1010h
001CFC	07F7				3768	BR R7 Return to caller	LB1010h
					3769 *		LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
					3771 *	/* *****/	LB1010h
					3772 *	/* Subroutine - ISPF TBCREATE (R7) */	LB1010h
					3773 *	/* - R5, R1, R14, R15 Working Registers */	LB1010h
					3774 *	/* *****/	LB1010h
			01CFE		3775 CREATETB	EQU *	LB1010h
					3776 * * * /*	CALL ISPLINK, (TBCREATE, TBN, KLIST, NLIST), VL */	LB1010h
			01CFE		3777 CRE8TB1	EQU *	LB1010h
001CFE	D207	90C1 CB60	000C1	02B60	3778	MVC DJMSG+7(L'TBCREATE), TBCREATE	LB1010h
					3779 *	CALL ISPLINK, (TBCREATE, TBN, KLIST, NLIST, NOWRITE, SHARE), VL	LB1010h
					3780 *	CALL ISPLINK, (TBCREATE, TBN, KLIST, NLIST), VL	LB1010h
001D04	4150	CB60		02B60	3781	LA R5, TBCREATE ISP Service	LB1010h
001D08	5050	9078		00078	3782	ST R5, ISFPF1	LB1010h
001D0C	4150	92B6		002B6	3783	LA R5, TBN Table Name	LB1010h
001D10	5050	907C		0007C	3784	ST R5, ISFPF2	LB1010h
001D14	4150	CBB1		02BB1	3785	LA R5, KLIST Key List	LB1010h
001D18	5050	9080		00080	3786	ST R5, ISFPF3	LB1010h
001D1C	4150	CBB9		02BB9	3787	LA R5, NLIST Name List	LB1010h
001D20	5050	9084		00084	3788	ST R5, ISFPF4	LB1010h
001D24	9680	9084		00084	3789	OI ISFPF4, X'80' VL mark	LB1010h
001D28	4110	9078		00078	3790	LA R1, ISFPF1 Load Params	LB1010h
001D2C	58F0	9074		00074	3791	L R15, ISPLINK Call ISPLINK	LB1010h
001D30	05EF				3792	BALR R14, R15	LB1010h
001D32	12FF				3793	LTR R15, R15	LB1010h
001D34	4780	BD42		01D42	3794	BZ CREATETX	LB1010h
001D38	D207	90CA 92B6	000CA	002B6	3795	MVC DJMSG+16(L'TBN), TBN	LB1010h
001D3E	47F0	B436		01436	3796	B ISPFERR	LB1010h
			01D42		3797 CREATETX	EQU *	LB1010h
001D42	07F7				3798	BR R7 Return to caller	LB1010h
					3799 *		LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
					3801	* /******	LB1010h
					3802	* /* Subroutine - ISPF TBADD (R7) */	LB1010h
					3803	* /* - R5, R1, R14, R15 Working Registers */	LB1010h
					3804	* /******	LB1010h
			01D44		3805	ADDTB EQU *	LB1010h
					3806	* * * /* CALL ISPLINK, (TBADD, TBN), VL */	LB1010h
			01D44		3807	ADDTB1 EQU *	LB1010h
001D44	D207	90C1 CB68	000C1	02B68	3808	MVC DJMSG+7(L'TBADD), TBADD	LB1010h
					3809	* CALL ISPLINK, (TBADD, TBN), VL	LB1010h
001D4A	4150	CB68	02B68		3810	LA R5, TBADD ISP Service	LB1010h
001D4E	5050	9078	00078		3811	ST R5, ISFPF1	LB1010h
001D52	4150	92B6	002B6		3812	LA R5, TBN Table Name	LB1010h
001D56	5050	907C	0007C		3813	ST R5, ISFPF2	LB1010h
001D5A	9680	907C	0007C		3814	OI ISFPF2, X'80' VL mark	LB1010h
001D5E	4110	9078	00078		3815	LA R1, ISFPF1 Load Parm	LB1010h
001D62	58F0	9074	00074		3816	L R15, ISPLINK Call ISPLINK	LB1010h
001D66	05EF				3817	BALR R14, R15	LB1010h
001D68	12FF				3818	LTR R15, R15	LB1010h
001D6A	4780	BD78	01D78		3819	BZ ADDTBX	LB1010h
001D6E	D207	90CA 92B6	000CA	002B6	3820	MVC DJMSG+16(L'TBN), TBN	LB1010h
001D74	47F0	B436	01436		3821	B ISPFERR	LB1010h
			01D78		3822	ADDTBX EQU *	LB1010h
001D78	07F7				3823	BR R7 Return to caller	LB1010h
					3824	*	LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
					3826 *	/* *****/	LB1010h
					3827 *	/* Subroutine - ISPF TBSAVE (R7) */	LB1010h
					3828 *	/* - R5, R1, R14, R15 Working Registers */	LB1010h
					3829 *	/* *****/	LB1010h
			01D7A		3830 SAVETB EQU *		LB1010h
					3831 * * * /*	CALL ISPLINK, (TBSAVE, TBN), VL */	LB1010h
			01D7A		3832 SAVETB1 EQU *		LB1010h
001D7A	D207	90C1 CB78	000C1	02B78	3833	MVC DJMSG+7(L'TBSAVE), TBSAVE	LB1010h
					3834 *	CALL ISPLINK, (TBSAVE, TBN), VL	LB1010h
001D80	4150	CB78		02B78	3835	LA R5, TBSAVE ISP Service	LB1010h
001D84	5050	9078		00078	3836	ST R5, ISFPF1	LB1010h
001D88	4150	92B6		002B6	3837	LA R5, TBN Table Name	LB1010h
001D8C	5050	907C		0007C	3838	ST R5, ISFPF2	LB1010h
001D90	9680	907C		0007C	3839	OI ISFPF2, X'80' VL mark	LB1010h
001D94	4110	9078		00078	3840	LA R1, ISFPF1 Load Parm	LB1010h
001D98	58F0	9074		00074	3841	L R15, ISPLINK Call ISPLINK	LB1010h
001D9C	05EF				3842	BALR R14, R15	LB1010h
001D9E	12FF				3843	LTR R15, R15	LB1010h
001DA0	4780	BDAE		01DAE	3844	BZ SAVETBX	LB1010h
001DA4	D207	90CA 92B6	000CA	002B6	3845	MVC DJMSG+16(L'TBN), TBN	LB1010h
001DAA	47F0	B436		01436	3846	B ISPFERR	LB1010h
			01DAE		3847 SAVETBX EQU *		LB1010h
001DAE	07F7				3848	BR R7 Return to caller	LB1010h
					3849 *		LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
					3851	* /******	LB1010h
					3852	* /* Subroutine - ISPF TBCLOSE (R7) */	LB1010h
					3853	* /* - R5, R1, R14, R15 Working Registers */	LB1010h
					3854	* /******	LB1010h
			01DB0		3855	CLOSETB EQU *	LB1010h
					3856	* * * /* CALL ISPLINK, (TBCLOSE, TBN), VL */	LB1010h
			01DB0		3857	CLOSETB1 EQU *	LB1010h
001DB0	D207	90C1 CB80	000C1	02B80	3858	MVC DJMSG+7(L'TBCLOSE), TBCLOSE	LB1010h
					3859	* CALL ISPLINK, (TBCLOSE, TBN), VL	LB1010h
001DB6	4150	CB80	02B80		3860	LA R5, TBCLOSE ISP Service	LB1010h
001DBA	5050	9078	00078		3861	ST R5, ISFPF1	LB1010h
001DBE	4150	92B6	002B6		3862	LA R5, TBN Table Name	LB1010h
001DC2	5050	907C	0007C		3863	ST R5, ISFPF2	LB1010h
001DC6	9680	907C	0007C		3864	OI ISFPF2, X'80' VL mark	LB1010h
001DCA	4110	9078	00078		3865	LA R1, ISFPF1 Load Params	LB1010h
001DCE	58F0	9074	00074		3866	L R15, ISPLINK Call ISPLINK	LB1010h
001DD2	05EF				3867	BALR R14, R15	LB1010h
001DD4	12FF				3868	LTR R15, R15	LB1010h
001DD6	4780	BDE4	01DE4		3869	BZ CLOSETBX	LB1010h
001DDA	D207	90CA 92B6	000CA	002B6	3870	MVC DJMSG+16(L'TBN), TBN	LB1010h
001DE0	47F0	B436	01436		3871	B ISPFERR	LB1010h
			01DE4		3872	CLOSETBX EQU *	LB1010h
001DE4	07F7				3873	BR R7 Return to caller	LB1010h
					3874	*	LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20	
					3876 *	/* *****/	LB1010h	
					3877 *	/* Subroutine - ISPF VDELETE (R7) */	LB1010h	
					3878 *	/* - R5, R1, R14, R15 Working Registers */	LB1010h	
					3879 *	/* *****/	LB1010h	
				01DE6	3880 VARDELS	EQU *	LB1010h	
				01DE6	3881 VDEL1	EQU *	LB1010h	
					3882 * * *	/* CALL ISPLINK, (VDELETE, IMEMBRN), VL */	LB1010h	
001DE6	D207	90C1	CB58	000C1	02B58	3883 MVC	DJMSG+7(L'VDELETE),VDELETE	LB1010h
001DEC	4150	CB58		02B58		3884 LA	R5,VDELETE ISP Service	LB1010h
001DF0	5050	9078		00078		3885 ST	R5,ISFPF1	LB1010h
001DF4	4150	CBF1		02BF1		3886 LA	R5,IMEMBRN Variable name	LB1010h
001DF8	5050	907C		0007C		3887 ST	R5,ISFPF2	LB1010h
001DFC	9680	907C		0007C		3888 OI	ISFPF2,X'80' VL mark	LB1010h
001E00	4110	9078		00078		3889 LA	R1,ISFPF1 Load Parm	LB1010h
001E04	58F0	9074		00074		3890 L	R15,ISPLINK Call ISPLINK	LB1010h
001E08	05EF					3891 BALR	R14,R15	LB1010h
001E0A	12FF					3892 LTR	R15,R15	LB1010h
001E0C	4780	BE1A		01E1A		3893 BZ	VDEL2	LB1010h
001E10	D207	90CA	CBF1	000CA	02BF1	3894 MVC	DJMSG+16(L'IMEMBRN),IMEMBRN	LB1010h
001E16	47F0	B436		01436		3895 B	ISPFERR	LB1010h
				01E1A		3896 VDEL2	EQU *	LB1010h
						3897 * * *	/* CALL ISPLINK, (VDELETE, ITTRPN), VL */	LB1010h
001E1A	4150	CBF9		02BF9		3898 LA	R5,ITTRPN Variable name	LB1010h
001E1E	5050	907C		0007C		3899 ST	R5,ISFPF2	LB1010h
001E22	9680	907C		0007C		3900 OI	ISFPF2,X'80' VL mark	LB1010h
001E26	4110	9078		00078		3901 LA	R1,ISFPF1 Load Parm	LB1010h
001E2A	58F0	9074		00074		3902 L	R15,ISPLINK Call ISPLINK	LB1010h
001E2E	05EF					3903 BALR	R14,R15	LB1010h
001E30	12FF					3904 LTR	R15,R15	LB1010h
001E32	4780	BE40		01E40		3905 BZ	VDEL3	LB1010h
001E36	D207	90CA	CBF9	000CA	02BF9	3906 MVC	DJMSG+16(L'ITTRPN),ITTRPN	LB1010h
001E3C	47F0	B436		01436		3907 B	ISPFERR	LB1010h
				01E40		3908 VDEL3	EQU *	LB1010h
						3909 * * *	/* CALL ISPLINK, (VDELETE, IVVMN), VL */	LB1010h
001E40	4150	CC01		02C01		3910 LA	R5,IVVMN Variable name	LB1010h
001E44	5050	907C		0007C		3911 ST	R5,ISFPF2	LB1010h
001E48	9680	907C		0007C		3912 OI	ISFPF2,X'80' VL mark	LB1010h
001E4C	4110	9078		00078		3913 LA	R1,ISFPF1 Load Parm	LB1010h
001E50	58F0	9074		00074		3914 L	R15,ISPLINK Call ISPLINK	LB1010h
001E54	05EF					3915 BALR	R14,R15	LB1010h
001E56	12FF					3916 LTR	R15,R15	LB1010h
001E58	4780	BE66		01E66		3917 BZ	VDEL4	LB1010h
001E5C	D207	90CA	CC01	000CA	02C01	3918 MVC	DJMSG+16(L'IVVMN),IVVMN	LB1010h
001E62	47F0	B436		01436		3919 B	ISPFERR	LB1010h
				01E66		3920 VDEL4	EQU *	LB1010h
						3921 * * *	/* CALL ISPLINK, (VDELETE, ICDTEN), VL */	LB1010h
001E66	4150	CC09		02C09		3922 LA	R5,ICDTEN Variable name	LB1010h
001E6A	5050	907C		0007C		3923 ST	R5,ISFPF2	LB1010h
001E6E	9680	907C		0007C		3924 OI	ISFPF2,X'80' VL mark	LB1010h
001E72	4110	9078		00078		3925 LA	R1,ISFPF1 Load Parm	LB1010h
001E76	58F0	9074		00074		3926 L	R15,ISPLINK Call ISPLINK	LB1010h
001E7A	05EF					3927 BALR	R14,R15	LB1010h
001E7C	12FF					3928 LTR	R15,R15	LB1010h
001E7E	4780	BE8C		01E8C		3929 BZ	VDEL5	LB1010h
001E82	D207	90CA	CC09	000CA	02C09	3930 MVC	DJMSG+16(L'ICDTEN),ICDTEN	LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
001E88	47F0	B436	01436		3931	B	ISPFERR	LB1010h
				01E8C	3932	VDEL5	EQU *	LB1010h
					3933	* * * /*	CALL ISPLINK, (VDELETE, IMDTEN), VL	*/ LB1010h
001E8C	4150	CC11	02C11		3934	LA	R5, IMDTEN Variable name	LB1010h
001E90	5050	907C	0007C		3935	ST	R5, ISFPFP2	LB1010h
001E94	9680	907C	0007C		3936	OI	ISFPFP2, X'80'	VL mark LB1010h
001E98	4110	9078	00078		3937	LA	R1, ISFPFP1	Load Parm LB1010h
001E9C	58F0	9074	00074		3938	L	R15, ISPLINK	Call ISPLINK LB1010h
001EA0	05EF				3939	BALR	R14, R15	LB1010h
001EA2	12FF				3940	LTR	R15, R15	LB1010h
001EA4	4780	BEB2	01EB2		3941	BZ	VDEL6	LB1010h
001EA8	D207	90CA	CC11 000CA	02C11	3942	MVC	DJMSG+16(L'IMDTEN), IMDTEN	LB1010h
001EAE	47F0	B436	01436		3943	B	ISPFERR	LB1010h
				01EB2	3944	VDEL6	EQU *	LB1010h
					3945	* * * /*	CALL ISPLINK, (VDELETE, IRINTN), VL	*/ LB1010h
001EB2	4150	CC29	02C29		3946	LA	R5, IRINTN Variable name	LB1010h
001EB6	5050	907C	0007C		3947	ST	R5, ISFPFP2	LB1010h
001EBA	9680	907C	0007C		3948	OI	ISFPFP2, X'80'	VL mark LB1010h
001EBE	4110	9078	00078		3949	LA	R1, ISFPFP1	Load Parm LB1010h
001EC2	58F0	9074	00074		3950	L	R15, ISPLINK	Call ISPLINK LB1010h
001EC6	05EF				3951	BALR	R14, R15	LB1010h
001EC8	12FF				3952	LTR	R15, R15	LB1010h
001ECA	4780	BED8	01ED8		3953	BZ	VDEL7	LB1010h
001ECE	D207	90CA	CC29 000CA	02C29	3954	MVC	DJMSG+16(L'IRINTN), IRINTN	LB1010h
001ED4	47F0	B436	01436		3955	B	ISPFERR	LB1010h
				01ED8	3956	VDEL7	EQU *	LB1010h
					3957	* * * /*	CALL ISPLINK, (VDELETE, IRCURN), VL	*/ LB1010h
001ED8	4150	CC21	02C21		3958	LA	R5, IRCURN Variable name	LB1010h
001EDC	5050	907C	0007C		3959	ST	R5, ISFPFP2	LB1010h
001EE0	9680	907C	0007C		3960	OI	ISFPFP2, X'80'	VL mark LB1010h
001EE4	4110	9078	00078		3961	LA	R1, ISFPFP1	Load Parm LB1010h
001EE8	58F0	9074	00074		3962	L	R15, ISPLINK	Call ISPLINK LB1010h
001EEC	05EF				3963	BALR	R14, R15	LB1010h
001EEE	12FF				3964	LTR	R15, R15	LB1010h
001EF0	4780	BEFE	01EFE		3965	BZ	VDEL8	LB1010h
001EF4	D207	90CA	CC21 000CA	02C21	3966	MVC	DJMSG+16(L'IRCURN), IRCURN	LB1010h
001EFA	47F0	B436	01436		3967	B	ISPFERR	LB1010h
				01EFE	3968	VDEL8	EQU *	LB1010h
					3969	* * * /*	CALL ISPLINK, (VDELETE, IRMODN), VL	*/ LB1010h
001EFE	4150	CC31	02C31		3970	LA	R5, IRMODN Variable name	LB1010h
001F02	5050	907C	0007C		3971	ST	R5, ISFPFP2	LB1010h
001F06	9680	907C	0007C		3972	OI	ISFPFP2, X'80'	VL mark LB1010h
001F0A	4110	9078	00078		3973	LA	R1, ISFPFP1	Load Parm LB1010h
001F0E	58F0	9074	00074		3974	L	R15, ISPLINK	Call ISPLINK LB1010h
001F12	05EF				3975	BALR	R14, R15	LB1010h
001F14	12FF				3976	LTR	R15, R15	LB1010h
001F16	4780	BF24	01F24		3977	BZ	VDEL9	LB1010h
001F1A	D207	90CA	CC31 000CA	02C31	3978	MVC	DJMSG+16(L'IRMODN), IRMODN	LB1010h
001F20	47F0	B436	01436		3979	B	ISPFERR	LB1010h
				01F24	3980	VDEL9	EQU *	LB1010h
					3981	* * * /*	CALL ISPLINK, (VDELETE, IUSRIDN), VL	*/ LB1010h
001F24	4150	CC39	02C39		3982	LA	R5, IUSRIDN Variable name	LB1010h
001F28	5050	907C	0007C		3983	ST	R5, ISFPFP2	LB1010h
001F2C	9680	907C	0007C		3984	OI	ISFPFP2, X'80'	VL mark LB1010h
001F30	4110	9078	00078		3985	LA	R1, ISFPFP1	Load Parm LB1010h

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20		
001F34	58F0	9074	00074		3986	L	R15,ISPLINK	Call ISPLINK	LB1010h	
001F38	05EF				3987	BALR	R14,R15		LB1010h	
001F3A	12FF				3988	LTR	R15,R15		LB1010h	
001F3C	4780	BF4A	01F4A		3989	BZ	VDEL10		LB1010h	
001F40	D207	90CA	CC39	000CA	02C39	3990	MVC	DJMSG+16(L'IUSRIDN),IUSRIDN	LB1010h	
001F46	47F0	B436	01436		3991	B	ISPFERR		LB1010h	
			01F4A		3992	VDEL10	EQU	*	LB1010h	
					3993	* * * /*	CALL	ISPLINK,(VDELETE,IMTIMN),VL	*/	LB1010h
001F4A	4150	CC19	02C19		3994	LA	R5,IMTIMN	Variable name	LB1010h	
001F4E	5050	907C	0007C		3995	ST	R5,ISFPF2		LB1010h	
001F52	9680	907C	0007C		3996	OI	ISFPF2,X'80'	VL mark	LB1010h	
001F56	4110	9078	00078		3997	LA	R1,ISFPF1	Load Parm	LB1010h	
001F5A	58F0	9074	00074		3998	L	R15,ISPLINK	Call ISPLINK	LB1010h	
001F5E	05EF				3999	BALR	R14,R15		LB1010h	
001F60	12FF				4000	LTR	R15,R15		LB1010h	
001F62	4780	BF70	01F70		4001	BZ	VDEL11		LB1010h	
001F66	D207	90CA	CC19	000CA	02C19	4002	MVC	DJMSG+16(L'IMTIMN),IMTIMN	LB1010h	
001F6C	47F0	B436	01436		4003	B	ISPFERR		LB1010h	
			01F70		4004	VDEL11	EQU	*	LB1010h	
			01F70		4005	VARSDXL	EQU	*	LB1010h	
001F70	D207	90C1	C0B8	000C1	020B8	4006	MVC	DJMSG+7(8),=C'	'	LB1010h
001F76	07F7				4007	BR	R7	Return to caller	LB1010h	
					4008	*				

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
001F78				4010	LTORG	
001F78	4040404040404040			4011	=256X'40'	
002078	C4C9D9D3E2E34040			4012	=C'DIRLST '	
002080	D3D6C3C1E3C54040			4013	=C'LOCATE '	
002088	C3E8D3C9D5C4C5D9			4014	=C'CYLINDER'	
002090	E3D9C1C3D2404040			4015	=C'TRACK '	
002098	C1C2E2D6D3E4E3C5			4016	=C'ABSOLUTE'	
0020A0	C2D3D6C3D2404040			4017	=C'BLOCK '	
0020A8	FFFFFFFFFFFFFFFF			4018	=8X'FF'	
0020B0	E2E8E2C1D3D3C4C1			4019	=CL8'SYSALLDA'	
0020B8	4040404040404040			4020	=C' '	
0020C0	00000000			4021	=F'0'	
0020C4	0000002C			4022	=F'44'	
0020C8	00000010			4023	=F'16'	
0020CC	00000000			4024	=F'00'	
0020D0	00000001			4025	=F'1'	
0020D4	D5D6D5C5			4026	=C'NONE'	
0020D8	D9C1C3C6			4027	=C'RACF'	
0020DC	0000FFFF			4028	=X'0000FFFF'	
0020E0	00000004			4029	=F'04'	
0020E4	0000001F			4030	=F'31'	
0020E8	0000000F			4031	=F'15'	
0020EC	0000001E			4032	=F'30'	
0020F0	00000004			4033	=F'4'	
0020F4	00000008			4034	=F'8'	
0020F8	0000000C			4035	=F'12'	
0020FC	00000FA4			4036	=F'4004'	
002100	00000FA5			4037	=F'4005'	
002104	00000FA8			4038	=F'4008'	
002108	00000FA9			4039	=F'4009'	
00210C	00000FAA			4040	=F'4010'	
002110	00001001			4041	=F'4097'	
002114	00001002			4042	=F'4098'	
002118	00001003			4043	=F'4099'	
00211C	00000012			4044	=F'18'	
002120	F0F0			4045	=C'00'	
002122	0004			4046	=H'4'	
002124	0008			4047	=H'8'	
002126	F9F9			4048	=C'99'	
002128	F0F5			4049	=C'05'	
00212A	F1F6			4050	=C'16'	
00212C	0001			4051	=X'0001'	
00212E	0000			4052	=X'0000'	
002130	F1F9			4053	=C'19'	
002132	F2F6			4054	=C'26'	
002134	F0F6			4055	=C'06'	
002136	0000			4056	=H'0'	
002138	C4E2D6D9C740E3A8			4057	=C'DSORG Type'	
002142	C485A5898385E3A8			4058	=C'DeviceType'	
00214C	D7D6			4059	=C'P0'	
00214E	D5D640C9E2D7D3C9			4060	=C'NO ISPLINK SUPPORT'	
002160	F0F2			4061	=C'02'	
002162	F0F4			4062	=C'04'	
002164	F1F3			4063	=C'13'	
002166	F1F7			4064	=C'17'	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
002168	9000			4065	=X'9000'	
00216A	F2F1			4066	=C'21'	
00216C	F2F2			4067	=C'22'	
00216E	F2F4			4068	=C'24'	
002170	F2F3			4069	=C'23'	
002172	F2F8			4070	=C'28'	
002174	F2F9			4071	=C'29'	
002176	F9F0			4072	=C'90'	
002178	6F6F			4073	=C'??'	
00217A	003B			4074	=H'59'	
00217C	100C			4075	=P'100'	
00217E	400C			4076	=P'400'	
002180	0002			4077	=H'2'	
002182	F0F0F1			4078	=C'001'	
002185	F1			4079	=C'1'	
002186	F2			4080	=C'2'	
002187	F3			4081	=C'3'	
002188	F4			4082	=C'4'	
002189	D5D6D5C540			4083	=C'NONE '	
00218E	E6D9C9E3C5			4084	=C'WRITE'	
002193	D96DE64040			4085	=C'R_W '	
002198	000000			4086	=X'000000'	
00219B	0C			4087	=P'+0'	
00219C	3C			4088	=P'+3'	
00219D	4C			4089	=P'+4'	
00219E	1C			4090	=P'+1'	
00219F	0C			4091	=P'0'	
				4092	*	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				4094	* /******	
				4095	* /* Parm Input Keywords	
				4096	* /******	
0021A0	C4C9D9C5C3E3D6D9			4097	KWDIR9 DC C'DIRECTORY'	Keyword DIRECTORY LB1010b
0021A9	C4C9D9			4098	KWDIR DC C'DIR'	Keyword DIR
0021AC	D7D5D3			4099	KWPNL DC C'PNL'	Keyword PNL
0021AF	C1C2D6E4E3			4100	KWABOUT DC C'ABOUT'	Keyword ABOUT
0021B4	E5D6D3E4D4C54D			4101	KWVOLUME DC C'VOLUME('	Keyword VOLUME LB1010b
0021BB	E5D6D34D			4102	KWVOL DC C'VOL('	Keyword VOL
0021BF	C4E24D			4103	KWDS DC C'DS('	Keyword DS LB1001a
0021C2	C4C64D			4104	KWDF DC C'DF('	Keyword DF LB1001b
0021C5	F0F0F0F0F0F0F0F0			4105	ZEROCL11 DC C'000000000000'	11 C'0' LB1001b
0021D0	C6C9D3C5			4106	KWFILE DC C'FILE'	Keyword FILE LB1001g
0021D4	C4D3F0			4107	KWDL0 DC C'DL0'	Keyword DL0 LB1001h
0021D7	C4D3F1			4108	KWDL1 DC C'DL1'	Keyword DL1 LB1001h
				4109	* *	
				4110	* /******	
				4111	* /* Entry codes for IKJCT441	
				4112	* /******	
0021DA	0000					
0021DC	00000002			4113	ECUPDT DC A(TSVEUPDT)	ENTRY CODE FOR UPDATE/CREATE
0021E0	00000000			4114	TOKEN DC F'0'	TOKEN
				4115	* *	
				4116	* /******	
				4117	* /* Julian start day by month in reverse order	
				4118	* /******	
0021E4	014E0130011100F3			4119	DAYSTBLJ DC H'334',H'304',H'273',H'243',H'212',H'181'	Dec-Jul
0021F0	00970078005A003B			4120	DC H'151',H'120',H'090',H'059',H'031',H'000'	Jun-Jan
0021FC	00000046			4121	Y2KWIN DC F'70'	Y2k Window value
				4122	* *	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
				4124	*	*/*****/	
				4125	*	/* Symbolic Variable Names for CLIST use */	
				4126	*	*/*****/	
		02200		4127	V#@	EQU *	
002200	E2E8E2C4E2D5C1D4			4128	VDSN	DC C'SYSDSNAME'	
002209	E2E8E2D9C5C1E2D6			4129	VRSCODE	DC C'SYSREASON'	
002212	E2E8E2D4E2C7D3E5			4130	VMSGL1	DC C'SYSMSGLVL1'	
00221C	E2E8E2D4E2C7D3E5			4131	VMSGL2	DC C'SYSMSGLVL2'	
002226	E2E8E2E5D6D3E4D4			4132	VVOL	DC C'SYSVOLUME'	
00222F	E2E8E2D3D9C5C3D3			4133	VLRECL	DC C'SYSLRECL'	
002237	E2E8E2C2D3D2E2C9			4134	VLKSZ	DC C'SYSBLKSIZE'	
002241	E2E8E2D2C5E8D3C5			4135	VKEYL	DC C'SYSKEYLEN'	
00224A	E2E8E2D2C5E8D7D6			4136	VKEYP	DC C'SYSKEYPOS'	
002253	E2E8E2C4E2D6D9C7			4137	VDSORG	DC C'SYSDSORG'	
00225B	E2E8E2D9C5C3C6D4			4138	VRECFM	DC C'SYSRECFM'	
002263	E2E8E2C3D9C5C1E3			4139	VCREDT	DC C'SYSCREATE'	
00226C	E2E8E2C5E7C4C1E3			4140	VEXPDT	DC C'SYSEXDATE'	
002275	E2E8E2D9C5C6C4C1			4141	VREFDT	DC C'SYSREFDATE'	
00227F	E2E8E2D1C3D9C5C1			4142	VCREDTJ	DC C'SYSJCREATE'	
002289	E2E8E2D1C5E7C4C1			4143	VEXPDTJ	DC C'SYSJEXDATE'	
002293	E2E8E2D1D9C5C6C4			4144	VREFDTJ	DC C'SYSJREFDATE'	
00229E	E2E8E2C3C3D9C5C1			4145	VCREDTC	DC C'SYSCCREATE'	
0022A8	E2E8E2C3C5E7C4C1			4146	VEXPDTC	DC C'SYSCEXDATE'	
0022B2	E2E8E2C3D9C5C6C4			4147	VREFDTC	DC C'SYSCREFDATE'	
0022BD	E2E8E2D7C1E2E2E6			4148	VPASSWD	DC C'SYSPASSWORD'	
0022C8	E2E8E2D9C1C3C6C1			4149	VRACF	DC C'SYSRACFA'	
0022D0	E2E8E2E4D5C9E3E2			4150	VSSPC	DC C'SYSUNITS'	
0022D8	E2E8E2E2C5C3D6D5			4151	VSSPCNM	DC C'SYSSECONDS'	
0022E2	E2E8E2E4D5C9E3			4152	VUNIT	DC C'SYSUNIT'	
0022E9	E2E8E2C5E7E3C5D5			4153	VEXTS	DC C'SYSEXTENTS'	
0022F3	E2E8E2D5E4D4E5D6			4154	VNUMVOL	DC C'SYSNUMVOLS'	
0022FD	E2E8E2C3E8D3E5D6			4155	VCCVOL	DC C'SYSCYLVOL'	
002306	E2E8E2E3D9D2E2C3			4156	VTTCC	DC C'SYSTRKSCYL'	
002310	E2E8E2E3D9D2D3C5			4157	VTRKLEN	DC C'SYSTRKLEN'	
002319	E2E8E2C2D3D2E2E3			4158	VLKTRK	DC C'SYSBLKSTRK'	
002323	E2E8E2E4D5C9E3C3			4159	VUNITCAP	DC C'SYSUNITCAP'	
00232D	E2E8E2E3D9D2E2C1			4160	VTKAL	DC C'SYSTRKSALLOC'	
002339	E2E8E2E3D9D2E2E4			4161	VTKUS	DC C'SYSTRKSUSED'	
002344	E2E8E2E3D9D2E2E4			4162	VTKUUS	DC C'SYSTRKSUNUSED'	
002351	E2E8E2D3C9E2E3C4			4163	VJMSG	DC C'SYSLISTDSJMSG'	
00235E	E2E8E2D4C5D4C2C5			4164	VMEMS	DC C'SYSMEMBERS'	
002368	E2E8E2D4C5D4C2C5			4165	VALIAS	DC C'SYSMEMBERSALIAS'	
002377	E2E8E2E4C4C9D9C2			4166	VDIRBKSU	DC C'SYSUDIRBLK'	
002381	E2E8E2D5E4C4C9D9			4167	VDIRBKSN	DC C'SYSNUDIRBLK'	
00238C	E2E8E2C1C4C9D9C2			4168	VDIRBKSA	DC C'SYSADIRBLK'	
002396	E2E8E2C4E2C3C1E3			4169	VDSCAT	DC C'SYSDSCAT'	
00239E	E2E8E2C4E2C3C1E3			4170	VDSCATV	DC C'SYSDSCATV'	
0023A7	E2E8E2D7D9C9D4C1			4171	VPSPCAL	DC C'SYSPRIMARY'	
0023B1	E2E8E2E4E2C5C4			4172	VPSPCUS	DC C'SYSUSED'	
0023B8	E2E8E2E5D6D3E4D4			4173	VVOLLST	DC C'SYSVOLUMES'	
0023C2	E2E8E2C1D3D3D6C3			4174	VALLOC	DC C'SYSALLOC'	
		001CA		4175	V#@LEN	EQU *-V#@	Length of area
				4176	*		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				4178 *	*/*****	
				4179 *	/* Internal table of symbolic variables and data values */	
				4180 *	*/*****	
0023CC				4181 S#@	DS 0F	
				4182 *	/*	
				4183 *	/*	
0023CC	00002200000000009			4184 A#DSN	DC A(VDSN),A(L'VDSN)	00 SYSDSNAME
0023D4	908E000000000002C			4185	DC S(DDSN),A(L'DDSN)	
		00010		4186 S#@ENTL	EQU *-S#@	
0023DC	0000235100000000D			4187 A#JMSG	DC A(VJMSG),A(L'VJMSG)	01 SYSLISTDSJMSG
0023E4	90BA0000000000064			4188	DC S(DJMSG),A(L'DJMSG)	
0023EC	00002209000000009			4189 A#RSC	DC A(VRSCODE),A(L'VRSCODE)	02 SYSREASON
0023F4	911E0000000000002			4190	DC S(DRSNCODE),A(L'DRSNCODE)	
0023FC	0000221200000000A			4191 A#MSG1	DC A(VMSG1),A(L'VMSG1)	03 SYSMSG1
002404	91200000000000028			4192	DC S(DMSG1),A(L'DMSG1)	
00240C	0000221C00000000A			4193 A#MSG2	DC A(VMSG2),A(L'VMSG2)	04 SYSMSG2
002414	91480000000000028			4194	DC S(DMSG2),A(L'DMSG2)	
00241C	00002263000000009			4195 A#CREDT	DC A(VCREDT),A(L'VCREDT)	05 SYSCREATE
002424	91880000000000008			4196	DC S(DCREDT),A(L'DCREDT)	
00242C	0000226C000000009			4197 A#EXPDT	DC A(VEXPDT),A(L'VEXPDT)	06 SYSEXDATE
002434	919F0000000000008			4198	DC S(DEXPDT),A(L'DEXPDT)	
00243C	0000227500000000A			4199 A#REFDT	DC A(VREFDT),A(L'VREFDT)	07 SYSREFDATE
002444	91B60000000000008			4200	DC S(DREFDT),A(L'DREFDT)	
00244C	00002253000000008			4201 A#DSORG	DC A(VDSORG),A(L'VDSORG)	08 SYSDSORG
002454	91800000000000003			4202	DC S(DDSORG),A(L'DDSORG)	
00245C	0000225B000000008			4203 A#RECFM	DC A(VRECFM),A(L'VRECFM)	09 SYSRECFM
002464	91830000000000005			4204	DC S(DRECFM),A(L'DRECFM)	
00246C	0000222F000000008			4205 A#LRECL	DC A(VLRECL),A(L'VLRECL)	10 SYSLRECL
002474	91760000000000005			4206	DC S(DLRECL),A(L'DLRECL)	
00247C	0000223700000000A			4207 A#BLKSZ	DC A(VBLKSZ),A(L'VBLKSZ)	11 SYSBLKSIZE
002484	917B0000000000005			4208	DC S(DBLKSZ),A(L'DBLKSZ)	
00248C	00002241000000009			4209 A#KEYL	DC A(VKEYL),A(L'VKEYL)	12 SYSKEYLEN
002494	91CD0000000000003			4210	DC S(DKEYL),A(L'DKEYL)	
00249C	0000224A000000009			4211 A#KEYP	DC A(VKEYP),A(L'VKEYP)	13 SYSKEYPOS
0024A4	91D00000000000005			4212	DC S(DRKP),A(L'DRKP)	
0024AC	000022BD00000000B			4213 A#PASSWD	DC A(VPASSWD),A(L'VPASSWD)	14 SYSPASSWORD
0024B4	91D50000000000005			4214	DC S(DPASSWD),A(L'DPASSWD)	
0024BC	000022C8000000008			4215 A#RACF	DC A(VRACF),A(L'VRACF)	15 SYSRACF
0024C4	91DA0000000000004			4216	DC S(DRACF),A(L'DRACF)	
0024CC	0000238C00000000A			4217 A#DBKSA	DC A(VDIRBKSA),A(L'VDIRBKSA)	16 SYSADIRBLK
0024D4	923B0000000000005			4218	DC S(DDBLKS),A(L'DDBLKS)	
0024DC	0000237700000000A			4219 A#DBKSU	DC A(VDIRBKSU),A(L'VDIRBKSU)	17 SYSUDIRBLK
0024E4	92400000000000005			4220	DC S(DDIRBKSU),A(L'DDIRBKSU)	
0024EC	0000238100000000B			4221 A#DBKSN	DC A(VDIRBKSN),A(L'VDIRBKSN)	18 SYSNUDIRBLK
0024F4	92450000000000005			4222	DC S(DDIRBKSN),A(L'DDIRBKSN)	
0024FC	0000235E00000000A			4223 A#MEMS	DC A(VMEMS),A(L'VMEMS)	19 SYSMEMBERS
002504	924A0000000000005			4224	DC S(DMEMBERS),A(L'DMEMBERS)	
00250C	0000236800000000F			4225 A#ALIAS	DC A(VALIAS),A(L'VALIAS)	20 SYSMEMBERSALIAS
002514	924F0000000000005			4226	DC S(DALIASES),A(L'DALIASES)	
00251C	00002226000000009			4227 A#VOL	DC A(VVOL),A(L'VVOL)	21 SYSVOLUME
002524	91700000000000006			4228	DC S(DVOLSER),A(L'DVOLSER)	
00252C	000022E2000000007			4229 A#UNIT	DC A(VUNIT),A(L'VUNIT)	22 SYSUNIT
002534	91FC0000000000007			4230	DC S(DUNIT),A(L'DUNIT)	
00253C	000022D0000000008			4231 A#UNITS	DC A(VSSPC),A(L'VSSPC)	23 SYSUNITS
002544	91ED0000000000008			4232	DC S(DSSPC),A(L'DSSPC)	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
00254C	0000233900000000B			4233	A#VTKUS	DC A(VTKUS),A(L'VTKUS)	24 SYSTRKSUSED
002554	920E0000000000005			4234		DC S(DTRKSUS),A(L'DTRKSUS)	
00255C	000022E900000000A			4235	A#EXTS	DC A(VEXTS),A(L'VEXTS)	25 SYSEXTENTS
002564	92030000000000003			4236		DC S(DEXTS),A(L'DEXTS)	
00256C	0000232D00000000C			4237	A#VTKAL	DC A(VTKAL),A(L'VTKAL)	26 SYSTRKSALLOC
002574	92090000000000005			4238		DC S(DTRKSAL),A(L'DTRKSAL)	
00257C	000022D800000000A			4239	A#SCONDS	DC A(VSSPCNM),A(L'VSSPCNM)	27 SYSSECONDS
002584	91F50000000000007			4240		DC S(DSSPCNM),A(L'DSSPCNM)	
00258C	0000234400000000D			4241	A#TKUUS	DC A(VTKUUS),A(L'VTKUUS)	28 SYSTRKSUNUSED
002594	92130000000000005			4242		DC S(DTRKSUUS),A(L'DTRKSUUS)	
00259C	000022FD000000009			4243	A#VCCVOL	DC A(VCCVOL),A(L'VCCVOL)	29 SYSCYLVOL
0025A4	92270000000000005			4244		DC S(DCYL4VOL),A(L'DCYL4VOL)	
0025AC	0000230600000000A			4245	A#VTTCC	DC A(VTTCC),A(L'VTTCC)	30 SYSTRKSCYL
0025B4	92180000000000005			4246		DC S(DTRKSCYL),A(L'DTRKSCYL)	
0025BC	0000227F00000000A			4247	A#CREDTJ	DC A(VCREDTJ),A(L'VCREDTJ)	31 SYSJCREATE
0025C4	91900000000000005			4248		DC S(DCREDJ),A(L'DCREDJ)	
0025CC	0000228900000000A			4249	A#EXPDTJ	DC A(VEXPDTJ),A(L'VEXPDTJ)	32 SYSJEXDATE
0025D4	91A70000000000005			4250		DC S(DEXPDJ),A(L'DEXPDJ)	
0025DC	0000229300000000B			4251	A#REFDTJ	DC A(VREFDTJ),A(L'VREFDTJ)	33 SYSJREFDATE
0025E4	91BE0000000000005			4252		DC S(DREFDJ),A(L'DREFDJ)	
0025EC	00002310000000009			4253	A#VTRKLN	DC A(VTRKLEN),A(L'VTRKLEN)	34 SYSTRKLEN
0025F4	921D0000000000005			4254		DC S(DTRKLEN),A(L'DTRKLEN)	
0025FC	0000232300000000A			4255	A#VUCAP	DC A(VUNITCAP),A(L'VUNITCAP)	35 SYSUNITCAP
002604	922C000000000000F			4256		DC S(DUNITCAP),A(L'DUNITCAP)	
00260C	0000231900000000A			4257	A#VBLKTRK	DC A(VBLKTRK),A(L'VBLKTRK)	36 SYSBLKSTRK
002614	92220000000000005			4258		DC S(DBLKTRK),A(L'DBLKTRK)	
00261C	0000229E00000000A			4259	A#CREDTC	DC A(VCREDTC),A(L'VCREDTC)	37 SYSCCREATE
002624	9195000000000000A			4260		DC S(DCREDC),A(L'DCREDC)	
00262C	000022A800000000A			4261	A#EXPDTC	DC A(VEXPDTC),A(L'VEXPDTC)	38 SYSCEXDATE
002634	91AC000000000000A			4262		DC S(DEXPDC),A(L'DEXPDC)	
00263C	000022B200000000B			4263	A#REFDTC	DC A(VREFDTC),A(L'VREFDTC)	39 SYSCREFDATE
002644	91C3000000000000A			4264		DC S(DREFDC),A(L'DREFDC)	
00264C	000022F300000000A			4265	A#NUMVOL	DC A(VNUMVOL),A(L'VNUMVOL)	40 SYSNUMVOLS
002654	92060000000000003			4266		DC S(DNUMVOL),A(L'DNUMVOL)	
00265C	00002396000000008			4267	A#DSCAT	DC A(VDSCAT),A(L'VDSCAT)	41 SYSDSCAT
002664	92540000000000001			4268		DC S(DDSCAT),A(L'DDSCAT)	
00266C	0000239E000000009			4269	A#DSCATV	DC A(VDSCATV),A(L'VDSCATV)	42 SYSDSCATV
002674	92550000000000006			4270		DC S(DDSCATV),A(L'DDSCATV)	
00267C	000023A700000000A			4271	A#PSPCAL	DC A(VPSPCAL),A(L'VPSPCAL)	43 SYSPRIMARY
002684	925B0000000000005			4272		DC S(DPSPCAL),A(L'DPSPCAL)	
00268C	000023B1000000007			4273	A#PSPCUS	DC A(VPSPCUS),A(L'VPSPCUS)	44 SYSUSED
002694	92600000000000005			4274		DC S(DPSPCUS),A(L'DPSPCUS)	
00269C	000023B800000000A			4275	A#DVOLS	DC A(VVOLLST),A(L'VVOLLST)	45 SYSVOLUMES
0026A4	926500000000000023			4276		DC S(DVOLLST),A(L'DVOLLST)	
0026AC	000023C2000000008			4277	A#DALLOC	DC A(VALLOC),A(L'VALLOC)	46 SYSALLOC
0026B4	92880000000000005			4278		DC S(DALLOC),A(L'DALLOC)	LB1010d
		002F0		4279	S#@LEN	EQU *-S#@	Length of area
		0002F		4280	S#@NUM	EQU S#@LEN/S#@ENTL	Number of entries
				4281	*		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				4283 *	/* *****/	
				4284 *	/* Reason Code Messages */	
				4285 *	/* *****/	
		026BC		4286 RSTBL	EQU *	
		026BC		4287 RSTBLBEG	EQU *	
0026BC	F0F00011			4288	DC C'00',AL2(L'RMSG00)	'Reason Code=00
0026C0	D596999481934083			4289 RMSG00	DC C'Normal completion'	
0026D1	F0F20018			4290	DC C'02',AL2(L'RMSG02)	'Reason Code=02
0026D5	C4A8958194898340			4291 RMSG02	DC C'Dynamic allocation error'	
0026ED	F0F50016			4292	DC C'05',AL2(L'RMSG05)	'Reason Code=05
0026F1	C481A381A285A340			4293 RMSG05	DC C'Dataset not catalogued'	
002707	F0F60013			4294	DC C'06',AL2(L'RMSG06)	'Reason Code=06
00270B	C599999699409682			4295 RMSG06	DC C'Error obtaining DSN'	
00271E	F1F3001F			4296	DC C'13',AL2(L'RMSG13)	'Reason Code=13
002722	C481A381A285A340			4297 RMSG13	DC C'Dataset could not open or close'	
002741	F1F7001A			4298	DC C'17',AL2(L'RMSG17)	'Reason Code=17 LB1010h
002745	E2A8A2A385944096			4299 RMSG17	DC C'System or User Abend error'	LB1010h
00275F	F1F90023			4300	DC C'19',AL2(L'RMSG19)	'Reason Code=19
002763	C481A381A285A340			4301 RMSG19	DC C'Dataset resides on multiple volumes'	
002786	F2F10022			4302	DC C'21',AL2(L'RMSG21)	'Reason Code=21
00278A	C381A38193968740			4303 RMSG21	DC C'Catalog error trying to locate DSN'	
0027AC	F2F20012			4304	DC C'22',AL2(L'RMSG22)	'Reason Code=22
0027B0	E59693A494854095			4305 RMSG22	DC C'Volume not mounted'	
0027C2	F2F3001D			4306	DC C'23',AL2(L'RMSG23)	'Reason Code=23
0027C6	D785999481958595			4307 RMSG23	DC C'Permanent I/O error on volume'	
0027E3	F2F40016			4308	DC C'24',AL2(L'RMSG24)	'Reason Code=24
0027E7	C481A381A285A340			4309 RMSG24	DC C'Dataset name not found'	
0027FD	F2F6001E			4310	DC C'26',AL2(L'RMSG26)	'Reason Code=26
002801	C481A381A285A340			4311 RMSG26	DC C'Dataset on Mass Storage device'	
00281F	F2F8001E			4312	DC C'28',AL2(L'RMSG28)	'Reason Code=28 LB1010g
002823	C4C4409581948540			4313 RMSG28	DC C'DD name must be 1-8 characters'	LB1010g
002841	F2F9001B			4314	DC C'29',AL2(L'RMSG29)	'Reason Code=29
002845	C481A381A285A340			4315 RMSG29	DC C'Dataset or DD name required'	LB1010g
002860	F9F0001D			4316	DC C'90',AL2(L'RMSG90)	'Reason Code=90 LB1010g
002864	C4C4D5409596A340			4317 RMSG90	DC C'DDN not allocated (not found)'	LB1010g
002881	F9F90024			4318	DC C'99',AL2(L'RMSG99)	'Reason Code=99
002885	C1C2D6E4E3409985			4319 RMSG99	DC C'ABOUT request, no DSN info retrieved'	
		001ED		4320 RSTBLLEN	EQU *-RSTBLBEG	
				4321 *		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
				4323	*	*/*****	
				4324	*	/* Return Code Messages	
				4325	*	*/*****	
		028A9		4326	RCTBL	EQU *	
		028A9		4327	RCTBLBEG	EQU *	
0028A9	F0F00012			4328		DC C'00',AL2(L'RCMSG00)	'Return Code=00
0028AD	E2A4838385A2A286			4329	RCMSG00	DC C'Successful request'	
0028BF	F0F40027			4330		DC C'04',AL2(L'RCMSG04)	'Return Code=04
0028C3	E2969485408481A3			4331	RCMSG04	DC C'Some dataset information is unavailable'	
0028EA	F1F60024			4332		DC C'16',AL2(L'RCMSG16)	'Return Code=16
0028EE	C599999699409683			4333	RCMSG16	DC C'Error occured, variable data invalid'	
		00069		4334	RCTBLLEN	EQU *-RCTBLBEG	
				4335	*		

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	18.53	04/12/20
					4337	*	* /*****				
					4338	*	* /* Messages - Internal				
					4339	*	* /*****				
002912	D7C1D9D440D596A3				4340	MSG4004	DC C'PARM Not supplied'				
				00011	4341	MSG4004L	EQU *-MSG4004				
002923	C3D7D7D340D59640				4342	MSG4009	DC C'CPPL No variables' ZERO				
				00011	4343	MSG4009L	EQU *-MSG4009				
002934	C381959596A34093				4344	MSG4097	DC C'Cannot link to IKJDAIR'				
				00016	4345	MSG4097L	EQU *-MSG4097				
00294A	C381959596A34093				4346	MSG4098	DC C'Cannot link to IKJCT441'				
				00017	4347	MSG4098L	EQU *-MSG4098				
002961	D4A4A2A34099A495				4348	MSG4099	DC C'Must run under TSO'				
				00012	4349	MSG4099L	EQU *-MSG4099				
					4350	*					
002973	C4C9D9409697A389				4351	MSGJ015	DC C'DIR option not valid, ignored'				
				0001D	4352	MSGJ015L	EQU *-MSGJ015				
002990	D9C37EA7A7A740C1				4353	MSGJ017	DC C'RC=xxx Allocate PDS error'				
				00019	4354	MSGJ017L	EQU *-MSGJ017				
0029A9	D9C37EA7A7A740C6				4355	MSGJ018	DC C'RC=xxx Free PDS error'				
				00015	4356	MSGJ018L	EQU *-MSGJ018				
0029BE	D9C37EA7A7A740C4				4357	MSGJ020	DC C'RC=xxx DSCB-Fx CAMLIST NAME error'				
				00020	4358	MSGJ020L	EQU *-MSGJ020				
0029DE	D9C37EA7A7A740C4				4359	MSGJ021	DC C'RC=xxx DSCB-Fx CAMLIST SEARCH error'				
				00022	4360	MSGJ021L	EQU *-MSGJ021				
002A00	D9C37EA7A7A740C4				4361	MSGJ022	DC C'RC=xxx DSCB-Fx CAMLIST SEEK error'				
				00020	4362	MSGJ022L	EQU *-MSGJ022				
002A20	F1F2F3F4F5F6F7F8				4363	MSGJ025	DC C'1234567890 xxx not defined in table'				
				00023	4364	MSGJ025L	EQU *-MSGJ025				
002A43	D9C37EA7A7A740C9				4365	MSGJ027	DC C'RC=xxx IKJCT441 error w zzzzzzzzzzzzzzzzzzzz '				
				0002A	4366	MSG4027L	EQU *-MSGJ027				
002A6D	D9C37EA7A7A740D6				4367	MSGJ030	DC C'RC=xxx Open PDS error'				
				00015	4368	MSGJ030L	EQU *-MSGJ030				
002A82	D9C37EA7A7A740C3				4369	MSGJ031	DC C'RC=xxx Close PDS error'				
				00016	4370	MSGJ031L	EQU *-MSGJ031				
002A98	D9C37EA7A7A740C9				4371	MSGJ032	DC C'RC=xxx ISPF 12345678 . ' LB1010h				
				0002A	4372	MSGJ032L	EQU *-MSGJ032 LB1010h				
					4373	*					
002AC2	E2E3C1D9E340D3C9				4374	MM1	DC C'START LISTDSJ'				
				0000D	4375	MM1L	EQU *-MM1				
					4376	*					

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				4378 *	/* *****/	
				4379 *	/* Initialized DAPB08 Allocate Block */	
				4380 *	/* *****/	
002AD0				4381 INPB08 DS	0D	Initialized DAPB08 Block
002AD0 0008				4382 IN08CD DC	X'0008'	DAIR ENTRY CODE
002AD2 00				4383 IN08FLG DC	X'00'	FUNCTIONS TO BE PERFORMED WHEN RC=0
002AD3 00				4384	DC X'00'	
002AD4 0000				4385 IN08DARC DC	H'0'	DYN ALLOC RETURN CODE
002AD6 0000				4386 IN08CTRC DC	H'0'	CATALOG RETURN CODE
002AD8 00000000				4387 IN08PDSN DC	A(0)	POINTER TO DSNAME TO BE SEARCHED IN DSE
002ADC 4040404040404040				4388 IN08DDN DC	CL8' '	DDNAME TO BE SEARCHED IN DSE
002AE4 4040404040404040				4389 IN08UNIT DC	CL8' '	UNITNAME REQUESTED
002AEC 4040404040404040				4390 IN08SER DC	CL8' '	VOLUME SERIAL NUMBER-PADDED W/BLANKS
002AF4 00000000				4391 IN08BLK DC	X'00000000'	DATA SET AVERAGE RECORD LENGTH
002AF8 00000000				4392 IN08PQTY DC	X'00000000'	PRIMARY SPACE QUANTITY
002AFC 00000000				4393 IN08SQTY DC	X'00000000'	SECONDARY SPACE QUANTITY
002B00 00000000				4394 IN08DQTY DC	X'00000000'	DIRECTORY BLOCK QUANTITY
002B04 4040404040404040				4395 IN08MNM DC	CL8' '	MEMBER NAME
002B0C 4040404040404040				4396 IN08PSWD DC	CL8' '	PASSWORD
002B14 00				4397 IN08DSP1 DC	X'00'	DATA SET STATUS FLGS(IF=0 OLD ASSUMED)
002B15 00				4398 IN08DPS2 DC	X'00'	DATA SET DISPOSITION(IF=0 KEEP ASSUMED)
002B16 00				4399 IN08DPS3 DC	X'00'	DATA SET CONDITIONAL DISPOSITION
002B17 00				4400 IN08CTL DC	X'00'	FLAGS TO CONTROL ACTIONS TAKEN BY DAIR
002B18 000000				4401	DC X'000000'	RESERVED
002B1B 00				4402 IN08DSO DC	X'00'	DSORG
002B1C 4040404040404040				4403 IN08ALN DC	CL8' '	ATTR-LIST-NAME
		00054		4404 INPB08L EQU	*-INPB08	Length of Initialized DAPB08 Block
				4405 *		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				4407 *	/* *****/	
				4408 *	/* Initialized DAPB18 Free Block */	
				4409 *	/* *****/	
002B28				4410 INPB18 DS	0D	Initialized DAPB18 Block
002B28 0018				4411 IN18CD DC	X'0018'	DAIR ENTRY CODE
002B2A 00				4412 IN18FLG DC	X'00'	FUNCTIONS TO BE PERFORMED WHEN RC=0
002B2B 00				4413	DC X'00'	
002B2C 0000				4414 IN18DARC DC	H'0'	DYNAMIC ALLOCATION RETURN CODE
002B2E 0000				4415 IN18CTRC DC	H'0'	CATALOG RETURN CODE AREA
002B30 00000000				4416 IN18PDSN DC	A(0)	POINTER TO DSNAME TO BE SEARCHED IN DSE
002B34 4040404040404040				4417 IN18DDN DC	CL8' '	DDNAME TO BE SEARCHED IN DSE
002B3C 4040404040404040				4418 IN18MNM DC	CL8' '	MEMBER NAME
002B44 4040				4419 IN18SCLS DC	CL2' '	SYSOUT CLASS DESIRED WHEN UNALLOCATING A
				4420 *		SYSOUT DATA SET
002B46 00				4421 IN18DPS2 DC	X'00'	DATA SET DISPOSITION
002B47 00				4422 IN18CTL DC	X'00'	FLAGS FOR SPECIAL DAIR PROCESSING
002B48 4040404040404040				4423 IN18JBNM DC	CL8' '	IGNORED AS OF OS VS/2 RELEASE 2
		00028		4424 INPB18L EQU	*-INPB18	Length of Initialized DAPB18 Block
				4425 *		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				4428 *	/* *****/	LB1010h
				4429 *	/* ISPF ISPLINK Constants 8-bytes */	LB1010h
				4430 *	/* *****/	LB1010h
002B50	E5C4C5C6C9D5C540			4431 VDEFINE	DC CL8'VDEFINE '	LB1010h
002B58	E5C4C5D3C5E3C540			4432 VDELETE	DC CL8'VDELETE '	LB1010h
002B60	E3C2C3D9C5C1E3C5			4433 TBCREATE	DC CL8'TBCREATE '	LB1010h
002B68	E3C2C1C4C4404040			4434 TBADD	DC CL8'TBADD '	LB1010h
002B70	E3C2C5D9C1E2C540			4435 TBERASE	DC CL8'TBERASE '	LB1010h
002B78	E3C2E2C1E5C54040			4436 TBSAVE	DC CL8'TBSAVE '	LB1010h
002B80	E3C2C3D3D6E2C540			4437 TBCLOSE	DC CL8'TBCLOSE '	LB1010h
002B88	D5D6E6D9C9E3C540			4438 NOWRITE	DC CL8'NOWRITE '	LB1010h
002B90	E2C8C1D9C5404040			4439 SHARE	DC CL8'SHARE '	LB1010h
002B98	C3C8C1D940404040			4440 CHAR	DC CL8'CHAR '	LB1010h
002BA0	40			4441 B	DC CL1' '	LB1010h
002BA1	F0F1F2F3F4F5F6F7			4442 HEXTAB	DC C'01234567'	LB1010h
002BA9	F8F9C1C2C3C4C5C6			4443	DC C'89ABCDEF'	LB1010h
				4444 *	/* *****/	LB1010h
				4445 *	/* ISPF Table lists */	LB1010h
				4446 *	/* *****/	LB1010h
002BB1	4DC9D4C5D4C2D95D			4447 KLIST	DC C'(IMEMBR)'	LB1010h
002BB9	4DC9E3E3D9D740C9			4448 NLIST	DC C'(ITTRP IVVMM ICDTE IMDTE IMTIM IRCUR IRINT IRMOD IUSRID)'	LB1010h
				4449 *	/* *****/	LB1010h
				4450 *	/* ISPF Table column names DIRLSTn 8-bytes */	LB1010h
				4451 *	/* *****/	LB1010h
002BF1	C9D4C5D4C2D94040			4452 IMEMBRN	DC C'IMEMBR '	LB1010h
002BF9	C9E3E3D9D7404040			4453 ITTRPN	DC C'ITTRP '	LB1010h
002C01	C9E5E5D4D4404040			4454 IVVMMN	DC C'IVVMM '	LB1010h
002C09	C9C3C4E3C5404040			4455 ICDTEN	DC C'ICDTE '	LB1010h
002C11	C9D4C4E3C5404040			4456 IMDTEN	DC C'IMDTE '	LB1010h
002C19	C9D4E3C9D4404040			4457 IMTIMN	DC C'IMTIM '	LB1010h
002C21	C9D9C3E4D9404040			4458 IRCURN	DC C'IRCUR '	LB1010h
002C29	C9D9C9D5E3404040			4459 IRINTN	DC C'IRINT '	LB1010h
002C31	C9D9D4D6C4404040			4460 IRMODN	DC C'IRMOD '	LB1010h
002C39	C9E4E2D9C9C44040			4461 IUSRIDN	DC C'IUSRID '	LB1010h
				4462 *	/* *****/	LB1010h
				4463 *	/* ISPF Table column lengths DIRLSTn */	LB1010h
				4464 *	/* *****/	LB1010h
002C41	000000					
002C44	00000008			4465 IMEMBRL	DC A(L'IMEMBR)	LB1010h
002C48	00000006			4466 ITTRPL	DC A(L'ITTRP)	LB1010h
002C4C	00000005			4467 IVVML	DC A(L'IVVMM)	LB1010h
002C50	00000008			4468 ICDTEL	DC A(L'ICDTE)	LB1010h
002C54	00000008			4469 IMDTEL	DC A(L'IMDTE)	LB1010h
002C58	00000008			4470 IMTIML	DC A(L'IMTIM)	LB1010h
002C5C	00000005			4471 IRCURL	DC A(L'IRCUR)	LB1010h
002C60	00000005			4472 IRINTL	DC A(L'IRINT)	LB1010h
002C64	00000005			4473 IRMODL	DC A(L'IRMOD)	LB1010h
002C68	00000007			4474 IUSRIDL	DC A(L'IUSRID)	LB1010h

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
				4476 *	*	/*****	
				4477 *	*	/* PDS Directory DCB and READ as model */	
				4478 *	*	/*****	
				4479		PRINT GEN	
				4480	DIRDCB	DCB DDNAME=DYNAM,DSORG=PO,MACRF=R,EODAD=PODEOF,SYNAD=PODSYN,X RECFM=U,BLKSIZE=256	
				4482+*		DATA CONTROL BLOCK	22770000
				4483+*			22860000
002C6C				4484+	DIRDCB	DC 0F'0' ORIGIN ON WORD BOUNDARY	22914000
				4486+*		DIRECT ACCESS DEVICE INTERFACE	27360000
002C6C	0000000000000000			4488+		DC BL16'0' FDAD,DVTBL	27540000
002C7C	00000000			4489+		DC A(0) KEYLE,DEVT,TRBAL	27720000
				4491+*		COMMON ACCESS METHOD INTERFACE	48690000
002C80	00			4493+		DC AL1(0) BUFNO	49050000
002C81	000001			4494+		DC AL3(1) BUFCB	54720000
002C84	0000			4495+		DC AL2(0) BUFL	55170000
002C86	0200			4496+		DC BL2'0000001000000000'	*55800000
				+			55890000
002C88	00000001			4497+		DC A(1) IOBAD DSORG	56340000
				4499+*		FOUNDATION EXTENSION	56610000
002C8C	00			4501+		DC BL1'00000000' BFTEK,BFLN,HIARCHY	59850000
002C8D	00137A			4502+		DC AL3(PODEOF) EODAD	65970000
002C90	C0			4503+		DC BL1'11000000'	*66150000
				+			66240000
002C91	000000			4504+		DC AL3(0) RECFM EXLST	66330000
				4506+*		FOUNDATION BLOCK	66690000
002C94	C4E8D5C1D4404040			4508+		DC CL8'DYNAM' DDNAME	66870000
002C9C	02			4509+		DC BL1'00000010' OFLGS	68220000
002C9D	00			4510+		DC BL1'00000000' IFLG	68310000
002C9E	2400			4511+		DC BL2'0010010000000000'	*68400000
				+			*68490000
				+		MACR	68580000
				4513+*		BSAM-BPAM-QSAM INTERFACE	74430000
002CA0	00			4515+		DC BL1'00000000'	*74610000
				+			RER1 74700000
002CA1	000001			4516+		DC AL3(1) CHECK, GERR, PERR	74790000
002CA4	00001344			4517+		DC A(PODSYN) SYNAD	74880000
002CA8	0000			4518+		DC H'0' CIND1, CIND2	74970000
002CAA	0100			4519+		DC AL2(256) BLKSIZE	75240000
002CAC	00000000			4520+		DC F'0' WCP0, WCPL, OFFSR, OFFSW	75870000
002CB0	00000001			4521+		DC A(1) IOBA	75960000
002CB4	00			4522+		DC AL1(0) NCP	76050000
002CB5	000001			4523+		DC AL3(1) EOBR, EOBA	76140000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
				4525+*		BSAM-BPAM INTERFACE	76410000
002CB8	00000001			4527+	DC	A(1) EOBW	76590000
002CBC	0000			4528+	DC	H'0' DIRCT	78210000
002CBE	0000			4529+	DC	AL2(0) LRECL	80730000
002CC0	00000001			4530+	DC	A(1) CNTRL, NOTE, POINT	78480000
		00058		4531	DIRDCBL EQU	*-DIRDCB	
				4532	*		
002CC4				4533	DIRREADM READ	DIRDECB, SF, MF=L	
				4534+	DIRREADM DS	0F	00220000
002CC4	00000000			4535+	DIRDECB DC	F'0'	00260000
002CC8	00			4536+	DC	X'00'	00500000
002CC9	80			4537+	DC	X'80'	00840000
002CCA	0000			4538+	DC	AL2(0)	00940000
002CCC	00000000			4539+	DC	A(0)	01040000
002CD0	00000000			4540+	DC	A(0)	01140000
002CD4	00000000			4541+	DC	A(0)	01160000
		00014		4542	DIRDECBL EQU	*-DIRDECB	
				4543	*		

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 18.53 04/12/20

```
4545 *      * /*****  
4546 *      * /* E Q U A T E S */  
4547 *      * /*****  
4548 *      *  
4549 *      * /*****  
4550 *      * /* IKJCT441 Entry Code Values */  
4551 *      * /*****  
00002 4552 TSVEUPDT EQU 2 Update/Create Request  
4553 *      *  
4554 *      * /*****  
4555 *      * /* Register Equates */  
4556 *      * /*****  
4557 YREGS Register EQU as Rn or Rnn
```

00000	4559+R0	EQU	0	00060000
00001	4560+R1	EQU	1	00070000
00002	4561+R2	EQU	2	00080000
00003	4562+R3	EQU	3	00090000
00004	4563+R4	EQU	4	00100000
00005	4564+R5	EQU	5	00110000
00006	4565+R6	EQU	6	00120000
00007	4566+R7	EQU	7	00130000
00008	4567+R8	EQU	8	00140000
00009	4568+R9	EQU	9	00150000
0000A	4569+R10	EQU	10	00160000
0000B	4570+R11	EQU	11	00170000
0000C	4571+R12	EQU	12	00180000
0000D	4572+R13	EQU	13	00190000
0000E	4573+R14	EQU	14	00200000
0000F	4574+R15	EQU	15	00210000

```
4576 *  
4577 *R0 EQU 0  
4578 *R1 EQU 0  
4579 *R2 EQU 0  
4580 *R3 EQU 0  
4581 *R4 EQU 0  
4582 *R5 EQU 0  
4583 *R6 EQU 0  
4584 *R7 EQU 0  
4585 *R8 EQU 0  
4586 *R9 EQU 0  
4587 *R10 EQU 0  
4588 *R11 EQU 0  
4589 *R12 EQU 0  
4590 *R13 EQU 0  
4591 *R14 EQU 0  
4592 *R15 EQU 0  
4593 *  
4594 *      * /*****  
4595 *      * /* Other Equates */  
4596 *      * /*****  
00028 4597 DDNAM EQU 40 DDNAME DCB offset  
4598 *
```

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				4600 *	*	
				4601 *	/* *****/	
				4602 *	/* System DSECTs */	
				4603 *	/* *****/	
				4604	IHAPSA Prefixed Save Area	
				4605+*%PSAL1 :	;	00250002
				4606+*		00300002
				4607+*/	*****	*/ 00350002
				4608+*/		*/ 00400002
				4609+*/	PREFIXED SAVE AREA	*/ 00450002
				4610+*/		*/ 00500002
				4611+*/	OS/VIS2 SU64, 03/08/79, LEVEL=6	*/ 00502000
				4612+*/		*/ 00600002
				4613+*/	METHOD OF ACCESS	*/ 00650002
				4614+*/	BAL - DSECT IS PRODUCED UNLESS DSECT=NO IS SPECIFIED.	*/ 00700002
				4615+*/	USING ON PSA GIVES ADDRESSABILITY FOR ALL SYMBOLS.	*/ 00710002
				4616+*/	PL/S - PSA WILL BE BASED(0) FOR PL/S I OR LOCATION(0) FOR	*/ 00720002
				4617+*/	PL/S II UNLESS %PSABASE IS SET TO SOME OTHER VALUE	*/ 00730002
				4618+*/	BEFORE INCLUDE FOR MACRO.	*/ 00740002
				4619+*/		*/ 00750002
				4620+*/	NOTE	*/ 00800002
				4621+*/	THE LABELS BEGINNING WITH PSA OR FLC ARE THE PROPER LABELS	*/ 00850002
				4622+*/	TO USE. THE OTHER LABELS ARE GIVEN AS ALIAS NAMES FOR	*/ 00900002
				4623+*/	COMPATIBILITY WITH LABELS USED FOR SYSTEM 360 LOW CORE.	*/ 00910002
				4624+*/		*/ 00950002
				4625+*/	*****	*/ 01000002
				4626+*		01050002
				4627+*%GOTO PSAL2;	/*	01100002
000000				4629+PSA	DSECT	01250002
		000000		4630+FLC	EQU *	01510002
000000				4631+FLCIPPSW	DS 0CL8 - IPL PSW	01511002
000000	040E0000			4632+FLCRNPSW	DC XL4'040E0000' -RESTART NEW PSW (AFTER IPL)	MDC001 01512002
000004	00000000			4633+	DC V(IEAVRSTR) - SECOND HALF OF RESTART NEW PSW	MDC128 01513002
		000000		4634+IPLPSW	EQU FLCIPPSW --- ALIAS	01514002
000008				4635+FLCICW1	DS 0CL8 - IPL CCW1	01515002
000008	0000000000000000			4636+FLCROPSW	DC XL8'00' - RESTART OLD PSW (AFTER IPL)	01516002
000010				4637+FLCICW2	DS 0CL8 - IPL CCW2	01517002
000010	00000000			4638+FLCCVT	DC V(IEACVT) - ADDRESS OF CVT (AFTER IPL)	01518002
000014	00000000			4639+	DC XL4'00' - RESERVED (AFTER IPL)	01519002
000018	0000000000000000			4640+FLCEOPSW	DC XL8'00' - EXTERNAL OLD PSW	01520002
		00018		4641+EXOPSW	EQU FLCEOPSW --- ALIAS	01521002
000020	0000000000000000			4642+FLCSOPSW	DC XL8'00' - SVC OLD PSW	01522002
		00020		4643+SVCOPSW	EQU FLCSOPSW --- ALIAS	01523002
000028	0000000000000000			4644+FLCPOPSW	DC XL8'00' - PROGRAM CHECK OLD PSW	01524002
		00028		4645+PIOPSW	EQU FLCPOPSW --- ALIAS	01525002
000030	0000000000000000			4646+FLCMOPSW	DC XL8'00' - MACHINE CHECK OLD PSW	01526002
		00030		4647+MCOPSW	EQU FLCMOPSW --- ALIAS	01527002
000038	0000000000000000			4648+FLCIOPSW	DC XL8'00' - INPUT/OUTPUT OLD PSW	01528002
		00038		4649+IOOPSW	EQU FLCIOPSW --- ALIAS	01529002
000040	0000000000000000			4650+FLCCSW	DC XL8'00' - CHANNEL STATUS WORD	01530002
000048	00000000			4651+FLCCAW	DC XL4'00' - CHANNEL ADDRESS WORD	01531002
00004C	00000000			4652+FLCCVT2	DC V(IEACVT) - ADDRESS OF CVT - USED BY DUMP	01532002
				4653+*	ROUTINES	ICB319 01533002
000050	FFFFFFFF			4654+FLCTIMER	DC XL4'FFFFFFFF' -TIMER	01534002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
			00050	4655+TIMER	EQU	FLCTIMER	01535002
000054	00000000			4656+FLCTRACE	DC	A(0) - ADDRESS OF TRACE TABLE HEADER	YM2703 01536002
000058	040C0000			4657+FLCENPSW	DC	XL4'040C0000' -EXTERNAL NEW PSW	01537002
00005C	00000000			4658+	DC	V(IEAQEX00) - SECOND HALF OF EXTERNAL NEW PSW	01538002
			00058	4659+EXNPSW	EQU	FLCENPSW --- ALIAS	01539002
000060	040C0000			4660+FLCSNPSW	DC	XL4'040C0000' -SVC NEW PSW	01540002
000064	00000000			4661+	DC	V(IEAQSC00) - SECOND HALF OF SVC NEW PSW	01541002
			00060	4662+SVCNPSW	EQU	FLCSNPSW --- ALIAS	01542002
000068	000E0000			4663+FLCPNPSW	DC	XL4'000E0000' -PROGRAM CHECK NEW PSW	MDC002 01543002
00006C	00000000			4664+	DC	V(IEAQPK00) - SECOND HALF OF PROGRAM CHECK NEW PSW	01544002
			00068	4665+PINPSW	EQU	FLCPNPSW --- ALIAS	01545002
000070	00080000			4666+FLCMNPSW	DC	XL4'00080000' -MACHINE CHECK NEW PSW	MDC003 01546002
000074	00000000			4667+	DC	V(IGFPMC1H) - SECOND HALF OF MACHINE CHECK NEW PSW	01547002
				4668+*			MDC003 01548002
			00070	4669+MCNPSW	EQU	FLCMNPSW --- ALIAS	01549002
000078	040C0000			4670+FLCINPSW	DC	XL4'040C0000' -INPUT/OUTPUT NEW PSW	01549202
00007C	00000000			4671+	DC	V(IEAQI000) - SECOND HALF OF I/O NEW PSW	01549402
			00078	4672+IONPSW	EQU	FLCINPSW --- ALIAS	01549602
000080	00000000			4673+	DC	XL4'00' - RESERVED	01549802
000084				4674+PSAEPSW	DS	0F - EXTENDED PSW DATA STORED ON EXTERNAL	01549902
				4675+*		INTERRUPT	MDC084 01550002
000084	0000			4676+PSASPAD	DC	H'0' - ISSUING PROCESSOR'S PHYSICAL ADDRESS ON	01550202
				4677+*		EMS OR EXTERNAL CALL INTERRUPT	MDC046 01550602
000086	0000			4678+FLCEICOD	DC	H'0' - EXTERNAL INTERRUPTION CODE	01550902
			00086	4679+EXCODE	EQU	FLCEICOD --- ALIAS	01551102
000088				4680+PSAESPSW	DS	0F - EXTENDED PSW DATA STORED ON SVC	01551202
				4681+*		INTERRUPT	MDC085 01551902
000088	00			4682+	DC	XL1'00' - RESERVED - SET TO ZERO	01557302
000089	00			4683+FLCSVILC	DC	FL1'0' - SVC INSTRUCTION LENGTH COUNTER -	01558002
				4684+*		NUMBER OF BYTES	MDC079 01558602
			00007	4685+FLCSILCB	EQU	X'07' - SIGNIFICANT BITS IN ILC FIELD - LAST	01558702
				4686+*		BIT IS ALWAYS ZERO	MDC080 01559502
			00089	4687+SVCILC	EQU	FLCSVILC --- ALIAS	01560202
00008A	0000			4688+FLCSVCN	DC	H'0' - SVC INTERRUPTION CODE - SVC NUMBER	MDC081 01560402
			0008A	4689+SVCNUM	EQU	FLCSVCN --- ALIAS	01560802
00008C				4690+PSAEPPSW	DS	0CL8 - EXTENDED PSW FOR PROGRAM INTERRUPT	MDC086 01561402
00008C	00			4691+	DC	XL1'00' - RESERVED - SET TO ZERO	01561502
00008D	00			4692+FLCPIILC	DC	FL1'0' - PROGRAM INTERRUPT LENGTH COUNTER -	01562202
				4693+*		NUMBER OF BYTES IN INSTRUCTION CAUSING	01562802
				4694+*		PROGRAM INTERRUPTION	MDC082 01562902
			00007	4695+FLCPILCB	EQU	X'07' - SIGNIFICANT BITS IN ILC FIELD - LAST	01563102
				4696+*		BIT IS ALWAYS ZERO	MDC083 01563302
			0008D	4697+PIILC	EQU	FLCPIILC --- ALIAS	01563602
00008E				4698+FLCPICOD	DS	0H - PROGRAM INTERRUPTION CODE	01564302
			0008E	4699+PICODE	EQU	FLCPICOD --- ALIAS	01565002
00008E	00			4700+PSARV049	DC	XL1'00' - RESERVED FOR IMPRECISE INTERRUPTS	MDC087 01565502
00008F	00			4701+PSAPICOD	DC	FL1'0' - 8-BIT INTERRUPT CODE	MDC088 01565602
			00080	4702+PSAPIPER	EQU	X'80' - PER INTERRUPT OCCURRED	MDC089 01565702
			00040	4703+PSAPIMC	EQU	X'40' - MONITOR CALL INTERRUPT OCCURRED	MDC090 01565802
			0003F	4704+PSAPIPC	EQU	X'3F' - AN UNSOLICITED PROGRAM CHECK HAS	01565902
				4705+*		OCCURRED IF ANY OF THESE 6 BITS ARE	01566002
				4706+*		ON	MDC091 01566102
000090				4707+FLCTEA	DS	0A - TRANSLATION EXCEPTION ADDRESS	01566302
000090	00			4708+	DC	XL1'00' - RESERVED - SET TO ZERO	01566402
000091	000000			4709+FLCTEAA	DC	AL3(0) - TRANSLATION EXCEPTION ADDRESS	01567102

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
000094	00			4710+	DC	XL1'00' -	RESERVED - SET TO ZERO 01567802
000095	00			4711+FLCMCNUM	DC	XL1'00' -	MONITOR CLASS NUMBER 01568502
000096	00			4712+FLCPCD	DC	XL1'00' -	PROGRAM EVENT RECORDING CODE 01569202
000097	00			4713+	DC	XL1'00' -	RESERVED - SET TO ZERO 01569902
000098				4714+FLCPC	DS	0A -	PER ADDRESS 01570602
000098	00			4715+	DC	XL1'00' -	RESERVED - SET TO ZERO 01571302
000099	000000			4716+FLCPCRA	DC	AL3(0) -	PER ADDRESS 01572002
00009C	00			4717+	DC	XL1'00' -	RESERVED - SET TO ZERO 01572702
00009D	000000			4718+FLCMTRCD	DC	XL3'00' -	MONITOR CODE 01573402
0000A0	000000000000000000			4719+	DC	XL8'00' -	RESERVED 01574102
0000A8				4720+FLCMCLA	DS	0XL344 -	MACHINE CHECK LOGOUT AREA 01574802
0000A8				4721+FLCCHNID	DS	0XL4 -	CHANNEL ID SET BY STIDC (MDC436) @G51BP9A 01574951
0000A8	0000			4722+FLCCHTM	DC	XL2'00' -	CHANNEL TYPE (4 BITS) AND MODEL NUMBER 01575551
				4723+*			(12 BITS) (MDC437) @G51BP9A 01575651
0000AA	0000			4724+FLCCHIL	DC	H'0' -	I/O EXTENDED LOGOUT (IOEL) LENGTH 01575751
				4725+*			(MDC440) @G51BP9A 01575851
0000AC				4726+FLCIOEL	DS	0A -	SAME AS FLCIOELA BELOW 01576202
0000AC	00			4727+	DC	XL1'00' -	RESERVED 01576902
0000AD	000000			4728+FLCIOELA	DC	AL3(0) -	I/O EXTENDED LOGOUT (IOEL) POINTER 01577602
0000B0	00000000			4729+FLCLCL	DC	XL4'00' -	LIMITED CHANNEL LOGOUT (ECSW) 01578302
0000B4	0000			4730+	DC	XL2'00' -	RESERVED 01579002
0000B6	00			4731+	DC	XL1'00' -	RESERVED MDC051 01579702
0000B7	00			4732+	DC	XL1'00' -	RESERVED MDC052 01580402
0000B8				4733+FLCIOA	DS	0A -	I/O ADDRESS 01581102
0000B8	00			4734+	DC	XL1'00' -	RESERVED 01581802
0000B9	000000			4735+FLCIOAA	DC	AL3(0) -	I/O ADDRESS 01582502
0000BC	000000000000000000			4736+	DC	XL44'00' -	RESERVED 01583202
0000E8	000000000000000000			4737+FLCMCIC	DC	XL8'00' -	MACHINE-CHECK INTERRUPTION CODE 01583902
0000F0	00000000			4738+	DC	XL4'00' -	RESERVED @G51BP9A 01584251
0000F4	00			4739+PSAMEDC	DC	XL1'00' -	EXTERNAL DAMAGE CODE (MDC441) @G51BP9A 01584651
				4740+*	EQU	X'80' -	RESERVED @G51BP9A 01584751
		00040		4741+PSAMCOPR	EQU	X'40' -	CHANNEL CHANGED FROM NOT OPERATIONAL TO 01584851
				4742+*			OPERATIONAL STATE (MDC442) @G51BP9A 01584951
		00020		4743+PSAMEXSR	EQU	X'20' -	EXTERNAL SECONDARY REPORT 01585051
				4744+*			(MDC443) @G51BP9A 01585151
		00010		4745+PSAMCNOP	EQU	X'10' -	CHANNEL ENTERED NOT OPERATIONAL STATE 01585251
				4746+*			WITHOUT PERFORMING I/O SYSTEM RESET 01585951
				4747+*			(MDC444) @G51BP9A 01586051
		00008		4748+PSAMCCF	EQU	X'08' -	CHANNEL CONTROL FAILURE (MDC445) @G51BP9A 01586151
		00004		4749+PSAMINST	EQU	X'04' -	I/O INSTRUCTION TIMEOUT (MDC446) @G51BP9A 01586251
		00002		4750+PSAMINTR	EQU	X'02' -	I/O INTERRUPTION TIMEOUT 01586351
				4751+*			(MDC447) @G51BP9A 01586451
		00001		4752+PSAMDISC	EQU	X'01' -	DISCONNECT CHANNEL SET (DISCS) 01586551
				4753+*			INSTRUCTION CANNOT BE COMPLETED 01587251
				4754+*			(MDC448) @G51BP9A 01587351
0000F5	000000			4755+	DC	XL3'00' -	ZEROES (MDC449) @G51BP9A 01587451
0000F8				4756+FLCFSA	DS	0A -	FAILING STORAGE ADDRESS 01587551
0000F8	00			4757+	DC	XL1'00' -	ZEROES 01587651
0000F9	000000			4758+FLCFSA	DC	AL3(0) -	FAILING STORAGE ADDRESS 01587951
0000FC	00000000			4759+FLCRGNCD	DC	XL4'00' -	REGION CODE 01588051
000100	000000000000000000			4760+FLCFLA	DC	XL96'00' -	FIXED LOGOUT AREA 01588102
000160	000000000000000000			4761+FLCFPSAV	DC	XL32'00' -	FLOATING POINT REGISTER SAVE AREA 01588802
000180	000000000000000000			4762+FLCGRSAV	DC	16F'0' -	GENERAL REGISTER SAVE AREA 01589502
0001C0	000000000000000000			4763+FLCCRSAV	DC	16F'0' -	CONTROL REGISTER SAVE AREA 01590202
000200				4764+FLCHDEND	DS	0D -	END OF HARDWARE ASSIGNMENTS 01590902

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
000200	D7E2C140			4766+PSAPSA	DC	CL4'PSA ' -	CONTROL BLOCK ACRONYM IN EBCDIC 01599302
000204	0000			4767+PSACPUPA	DC	H'0' -	PHYSICAL CPU ADDRESS (CHANGED DURING ACR) 01600002
				4768+*			(MDC130) YM3489 01620002
000206	0000			4769+PSACPULA	DC	H'0' -	LOGICAL CPU ADDRESS 01650002
000208	00000000			4770+PSAPCCAV	DC	A(0) -	VIRTUAL ADDRESS OF PCCA 01700002
00020C	00000000			4771+PSAPCCAR	DC	A(0) -	REAL ADDRESS OF PCCA 01750002
000210	00000000			4772+PSALCCAV	DC	A(0) -	VIRTUAL ADDRESS OF LCCA 01800002
000214	00000000			4773+PSALCCAR	DC	A(0) -	REAL ADDRESS OF LCCA 01850002
000218	00000000			4774+PSATNEW	DC	A(0) -	TCB NEW POINTER 01900002
		00218		4775+IEATCBP	EQU	PSATNEW -	ALIAS 01910002
00021C	00000000			4776+PSATOLD	DC	A(0) -	TCB OLD POINTER 01950002
000220	00000000			4777+PSAANew	DC	A(0) -	ASCB NEW POINTER 02000002
000224	00000000			4778+PSAAOLD	DC	A(0) -	ASCB OLD POINTER 02050002
000228				4779+PSASUPER	DS	0BL4 -	SUPERVISOR CONTROL WORD 02100002
000228	00			4780+PSASUP1	DC	XL1'00' -	FIRST BYTE OF PSASUPER 02150002
		00080		4781+PSAIO	EQU	X'80' -	I/O FLIH 02200002
		00040		4782+PSASVC	EQU	X'40' -	SVC FLIH 02250002
		00020		4783+PSAEXT	EQU	X'20' -	EXTERNAL FLIH 02300002
		00010		4784+PSAPI	EQU	X'10' -	PROGRAM CHECK FLIH 02350002
		00008		4785+PSALOCK	EQU	X'08' -	LOCK ROUTINE 02400002
		00004		4786+PSADISP	EQU	X'04' -	DISPATCHER 02450002
		00002		4787+PSATCTL	EQU	X'02' -	TCTL RECOVERY FLAG (MDC310) @Z40FP9A 02500004
		00001		4788+PSATYPE6	EQU	X'01' -	TYPE 6 SVC IN CONTROL (MDC311) @Z40FP9A 02530004
000229	00			4789+PSASUP2	DC	XL1'00' -	SECOND BYTE OF PSASUPER 02600002
		00080		4790+PSAIPCRI	EQU	X'80' -	SIGP - REMOTE IMMEDIATE 02650002
		00040		4791+PSAGTF	EQU	X'40' -	GTF GIVEN CONTROL FROM FLIH 02700002
		00020		4792+PSAIPCEC	EQU	X'20' -	EXTERNAL CALL SLIH IS ACTIVE MDC047 02750002
		00010		4793+PSAIPCES	EQU	X'10' -	EMERGENCY SIGNAL SLIH IS ACTIVE MDC048 02800002
		00008		4794+PSAIPCE2	EQU	X'08' -	EMERGENCY SIGNAL (EMS) SLIH RECURSIVE 02850002
				4795+*			ENTRY FLAG MDC110 02860002
		00004		4796+PSAACR	EQU	X'04' -	AUTOMATIC CPU RECONFIGURATION (ACR) IN 02910002
				4797+*			CONTROL MDC119 02960002
		00002		4798+PSARTM	EQU	X'02' -	RECOVERY TERMINATION MONITOR (RTM) IN 02970002
				4799+*			CONTROL MDC120 02980002
		00001		4800+PSALCR	EQU	X'01' -	LOW CORE REFRESH ROUTINE IS ACTIVE MDC126 03030002
00022A	00			4801+PSASUP3	DC	XL1'00' -	THIRD BYTE OF PSASUPER 03050002
		00080		4802+PSAIOSUP	EQU	X'80' -	IF ON, A MAINLINE IOS COMPONENT SUCH AS 03100002
				4803+*			CHANNEL SCHEDULER HAS ENTERED A 03110002
				4804+*			PHYSICALLY DISABLED STATE WITHOUT REGARD 03120002
				4805+*			TO LOCKING REQUIREMENTS MDC027 03130002
		00040		4806+PSAPI2	EQU	X'40' -	PROGRAM CHECK FLIH RECURSION 03150003
				4807+*			(MDC301) @ZM08516 03200003
		00020		4808+PSAPSREG	EQU	X'20' -	PSA RECOVERY RECURSION (MDC302) @ZM08516 03220003
		00010		4809+PSASPR	EQU	X'10' -	SUPER FRR IS ACTIVE (MDC305) @ZA02995 03250004
		00008		4810+PSAESTA	EQU	X'08' -	ESTAE RECOVERY ROUTINE ACTIVE 03300004
				4811+*			(MDC312) @Z40FP9A 03310004
		00004		4812+PSARV012	EQU	X'04' , , C'X' -	RESERVED 03350002
		00002		4813+PSAULCMS	EQU	X'02' -	LOCK MANAGER UNCONDITIONAL LOCAL OR 03400051
				4814+*			CMS LOCK ROUTINES (MDC469) @ZA28594 03410051
		00001		4815+PSASLIP	EQU	X'01' -	IEAVTSLP RECURSION CONTROL BIT 03450064
				4816+*			(MDC471) @G64RP9A 03460064
00022B	00			4817+PSASUP4	DC	XL1'00' -	FOURTH BYTE OF PSASUPER 03500002
		00080		4818+PSALDWT	EQU	X'80' -	IF ON, IEEVLDWT IS ACTIVE AND PROCESSING 03550064
				4819+*			STOP/RESTART REQUEST (MDC597) @G64UP9A 03560064
		00040		4820+PSARV016	EQU	X'40' , , C'X' -	RESERVED 03600002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
			00020	4821+PSARV017	EQU	X'20',,C'X' -	RESERVED 03650002
			00010	4822+PSARV018	EQU	X'10',,C'X' -	RESERVED 03700002
			00008	4823+PSARV019	EQU	X'08',,C'X' -	RESERVED 03750002
			00004	4824+PSARV020	EQU	X'04',,C'X' -	RESERVED 03800002
			00002	4825+PSARV021	EQU	X'02',,C'X' -	RESERVED 03850002
			00001	4826+PSARV022	EQU	X'01',,C'X' -	RESERVED 03900002
00022C	000000000000000000			4827+PSAGPREG	DC	3F'0' -	REGISTER SAVE AREA FOR I/O FLIH, SVC 03950002
				4828+*			FLIH, EXTERNAL FLIH AND SYSTEM TRACE 04000002
000238	00000000			4829+PSARSREG	DC	F'0' -	RESTART FLIH REGISTER SAVE 04050002
00023C	00000000			4830+PSAPIREG	DC	F'0' -	PROGRAM CHECK FLIH REGISTER SAVE 04100002
000240				4831+	DS	0D -	ALIGN PSAEXPS1 TO DOUBLE WORD 04110002
000240	000000000000000000			4832+PSAEXPS1	DC	XL8'00' -	EXTERNAL FLIH PSW SAVE AREA 1 04150002
000248				4833+	DS	0D -	ALIGN PSAEXPS2 TO DOUBLE WORD 04160002
000248	000000000000000000			4834+PSAEXPS2	DC	XL8'00' -	EXTERNAL FLIH PSW SAVE AREA 2 04200002
000250				4835+	DS	0D -	ALIGN PSAMPSW TO DOUBLE WORD 04210002
000250	000C00000000000000			4836+PSAMPSW	DC	XL8'000C000000000000' -	SETLOCK MODEL PSW 04250002
000258				4837+	DS	0D -	ALIGN PSAMCHEX TO DOUBLE WORD 04260002
000258	000000000000000000			4838+PSAMCHEX	DC	XL8'00' -	MCH EXIT PSW 04300002
000260	AD00			4839+PSAIPCR	DC	X'AD00' -	FIRST HALF OF IPC INSTRUCTION TO BE 04350002
				4840+*			EXECUTED 04400002
000262	0264			4841+	DC	Y(PSAIPCRM-PSA) -	SECOND HALF OF IPC INSTRUCTION 04450002
000264	00			4842+PSAIPCRM	DC	XL1'00' -	BYTE USED BY ABOVE IPC INSTRUCTION 04500002
000265	000000			4843+	DC	XL3'00' -	RESERVED 04550002
000268	AD00			4844+PSAIPCD	DC	X'AD00' -	FIRST HALF OF IPC INSTRUCTION TO BE 04600002
				4845+*			EXECUTED 04650002
00026A	026C			4846+	DC	Y(PSAIPCDM-PSA) -	SECOND HALF OF IPC INSTRUCTION 04700002
00026C	00			4847+PSAIPCDM	DC	XL1'00' -	BYTE USED BY ABOVE IPC INSTRUCTION 04750002
00026D	00			4848+PSAIPCC3	DC	XL1'00' -	BYTE USED BY IPC FOR CC3 STNSM @ZM49378 04800064
				4849+*			(MDC598) 04810064
00026E	0000			4850+	DC	XL2'00' -	RESERVED @ZM49378 04820064
000270	00000000			4851+PSAIPCSA	DC	F'0' -	IPC REGISTER SAVE AREA MDC049 04850002
000274	00000000			4852+PSAHLHIS	DC	F'0' -	SAVE AREA FOR PSAHLHI MDC050 04900002
000278	00			4853+PSARECUR	DC	XL1'00' -	RESTART FLIH RECURSION INDICATOR. IF 04950002
				4854+*			X'00', FLIH NOT IN CONTROL. IF X'FF', 04960002
				4855+*			FLIH IN CONTROL, ENTRY IS RECURSIVE. 04970002
				4856+*			MDC093 04980002
000279	00			4857+PSADSSGO	DC	XL1'00' -	INITIALIZE DSS FLAG, SET BY OPERATOR. 04990002
				4858+*			IF X'00', DSS NOT TO BE ACTIVATED. IF 04992002
				4859+*			NOT X'00', NEXT RESTART INTERRUPT FROM 04994002
				4860+*			CONSOLE SHOULD INITIALIZE DSS. MDC094 04996002
00027A	00			4861+PSASNSM2	DC	XL1'00' -	STNSM AREA FOR IEAVTRT1 (MDC470) @G64RP9A 04998064
00027B	00			4862+PSARV050	DC	XL1'00' -	RESERVED 04998264
00027C	00000000			4863+PSASRSA	DC	A(0) -	REAL ADDRESS OF SAVE AREA USED DURING 04998402
				4864+*			STOP AND RESTART SUBROUTINE MDC095 04998802
000280				4865+PSACLHT	DS	0CL56 -	CPU LOCKS HELD TABLE. INITIALIZED TO 05000002
				4866+*			ZERO. IF LOCK IS HELD, WORD REPRESENTING 05050002
				4867+*			LOCK HAS ITS ADDRESS. 05100002
000280	00000000			4868+PSADISPL	DC	A(0) -	GLOBAL DISPATCHER LOCK 05150002
000284	00000000			4869+PSAASML	DC	A(0) -	AUXILIARY STORAGE MANAGEMENT (ASM) LOCK 05160002
				4870+*			MDC002 05162002
000288	00000000			4871+PSASALCL	DC	A(0) -	SPACE ALLOCATION LOCK MDC003 05170002
00028C	00000000			4872+PSAIOSSL	DC	A(0) -	IOS SYNCHRONIZATION LOCK MDC010 05180002
000290	00000000			4873+PSAIOSCL	DC	A(0) -	IOS CHANNEL AVAILABLE TABLE LOCK MDC004 05200002
000294	00000000			4874+PSAIOSUL	DC	A(0) -	IOS UNIT CONTROL BLOCK LOCK MDC005 05300002
000298	00000000			4875+PSAIOSLL	DC	A(0) -	IOS LOGICAL CHANNEL QUEUE LOCK MDC006 05400002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
00029C	00000000			4876+PSATPNCL	DC	A(0) -	TCAM'S TPNCP LOCK MDC007 05510002
0002A0	00000000			4877+PSATPDNL	DC	A(0) -	TCAM'S TPDNCB LOCK MDC008 05520002
0002A4	00000000			4878+PSATPACL	DC	A(0) -	TCAM'S TPACBDEB LOCK MDC009 05530002
0002A8	00000000			4879+PSAOPTL	DC	A(0) -	OPTIMIZER LOCK 05650002
0002AC	00000000			4880+PSACMSL	DC	A(0) -	CROSS MEMORY SERVICES LOCK 05700002
0002B0	00000000			4881+PSALOCAL	DC	A(0) -	LOCAL LOCK 05800002
0002B4	00000000			4882+PSARV023	DC	A(0) -	RESERVED LOCK 05810002
0002B8				4883+PSALKSA	DS	0CL64 -	SETLOCK REGISTER SAVE AREA 05850002
0002B8	00000000			4884+PSALKR0	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 0 05860002
0002BC	00000000			4885+PSALKR1	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 1 05870002
0002C0	00000000			4886+PSALKR2	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 2 05880002
0002C4	00000000			4887+PSALKR3	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 3 05890002
0002C8	00000000			4888+PSALKR4	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 4 05892002
0002CC	00000000			4889+PSALKR5	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 5 05894002
0002D0	00000000			4890+PSALKR6	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 6 05896002
0002D4	00000000			4891+PSALKR7	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 7 05898002
0002D8	00000000			4892+PSALKR8	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 8 05898402
0002DC	00000000			4893+PSALKR9	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 9 05898802
0002E0	00000000			4894+PSALKR10	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 10 05899202
0002E4	00000000			4895+PSALKR11	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 11 05899602
0002E8	00000000			4896+PSALKR12	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 12 05899702
0002EC	00000000			4897+PSALKR13	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 13 05899802
0002F0	00000000			4898+PSALKR14	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 14 05899902
0002F4	00000000			4899+PSALKR15	DC	F'0' -	SETLOCK'S CALLER'S REGISTER 15 05916602
0002F8				4900+PSACLHS	DS	0F -	CPU LOCKS HELD STRING MDC122 05926602
0002F8	00000000			4901+PSAHLHI	DC	F'0' -	HIGHEST LOCK HELD INDICATOR MDC121 05933302
0002FC	00000000			4902+PSALITA	DC	V(IEAVELIT) -	ADDRESS OF LOCK INTERFACE TABLE 05950002
000300				4903+	DS	0D -	ALIGN PSAPSWSV TO DOUBLE WORD 05960002
000300	000000000000000000			4904+PSAPSWSV	DC	XL8'00' -	PSW SAVE AREA FOR DISPATCHER AND ACR 06000002
000308	00000000			4905+PSACR0	DC	F'0' -	SAVE AREA FOR CONTROL REGISTER 0 06050002
00030C	00			4906+PSAMCHFL	DC	XL1'00' -	MCH RECURSION FLAGS 06100002
00030D	00			4907+PSASYMSK	DC	XL1'00' -	THIS FIELD WILL BE USED IN CONJUNCTION 06110002
				4908+*			WITH THE STNSM INSTRUCTION TO PLACE IOS 06120002
				4909+*			CHANNEL SCHEDULER INTO A DISABLED STATE 06130002
				4910+*			AND SIMULTANEOUSLY SAVE THE SYSTEM MASK 06140002
				4911+*			OF THE CALLER MDC022 06142002
00030E	00			4912+PSAACTCD	DC	XL1'00' -	ACTION CODE SUPPLIED BY OPERATOR AFTER 06143051
				4913+*			SYSTEM HAS LOADED RESTARTABLE WAIT STATE 06144051
				4914+*			AND BEFORE THE RESTART KEY IS DEPRESSED. 06146051
				4915+*			VALUE DEPENDS ON RESTARTABLE WAIT STATE 06148051
				4916+*			CODE. UNPREDICTABLE DURING NORMAL SYSTEM 06150051
				4917+*			OPERATION. (MDC433) @G51BP9A 06152051
00030F	00			4918+PSAMCHIC	DC	XL1'00' -	MCH INITIALIZATION COMPLETE FLAGS MDC098 06156002
000310	00000000			4919+PSAWKRAP	DC	A(0) -	REAL ADDRESS OF VARY CPU PARAMETER LIST 06160002
				4920+*			MDC106 06170002
000314	00000000			4921+PSAWKVAP	DC	A(0) -	VIRTUAL ADDRESS OF VARY CPU PARAMETER 06180002
				4922+*			LIST MDC107 06190002
000318	0000			4923+PSAVSTAP	DC	H'0' -	WORK AREA FOR VARY CPU MDC108 06190402
00031A	0000			4924+PSACPUSA	DC	H'0' -	PHYSICAL CPU ADDRESS (STATIC) (MDC131) 06190802
				4925+*			YM3489 06191402
00031C	00000000			4926+PSASTOR	DC	F'0' -	MASTER MEMORY'S SEGMENT TABLE ORIGIN 06192002
				4927+*			REGISTER (STOR) VALUE 06194002
000320	00000000			4928+PSADSSRS	DC	F'0' -	REGISTER SAVE FOR DSS PROGRAM AND SVC 06196002
				4929+*			INTERRUPT HANDLERS MDC053 06198002
000324	00000000			4930+PSADSSR2	DC	F'0' -	REGISTER SAVE AREA FOR DSS I/O AND 06198102

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				4931+*	EXTERNAL INTERRUPT HANDLERS	MDC054 06198202
000328	00000000			4932+PSADSSR3 DC	F'0' - REGISTER SAVE AREA FOR DSS ERROR RECOVERY	06198302
				4933+*	ROUTINE	MDC055 06199502
00032C	00000000			4934+PSADSSWK DC	F'0' - WORK AREA FOR DSS INTERRUPT HANDLERS	06201502
				4935+*		MDC056 06201902
000330	000000000000000000			4936+PSADSSTS DC	5F'0' - REGISTER SAVE FOR DSS MODULES MAKING	06202002
				4937+*	CALLS TO IQATSS	MDC023 06203202
000344				4938+PSADSSFL DS	0BL4 - DSS FLAG BYTES	MDC024 06204402
000344	00			4939+PSADSSF1 DC	XL1'00' - DSS STATUS BYTE	MDC029 06205602
		00080		4940+PSADSSMV EQU	X'80' - DSS MONITORING, VS2 RUNNING	MDC030 06206802
		00040		4941+PSADSSDM EQU	X'40' - DSS IN VS2-2 VM	MDC031 06208002
		00020		4942+PSADSSDD EQU	X'20' - DSS IN DSS VM	MDC032 06209202
		00010		4943+PSADSSDW EQU	X'10' - DSS IN DSS WAIT	MDC033 06210402
		00008		4944+PSADSSTP EQU	X'08' - DSS PROCESSING SIGP	MDC034 06211602
		00004		4945+PSADSSSP EQU	X'04' - DSS SIGP PENDING	MDC035 06212802
		00002		4946+PSADSSOI EQU	X'02' - DSS EXECUTING OVERLAID INSTRUCTION	MDC036 06214002
		00001		4947+PSADSSPI EQU	X'01' - DSS EXECUTING PRIVILEGED INSTRUCTION	06215202
				4948+*		MDC037 06216402
000345	FF			4949+PSADSSF2 DC	XL1'FF' - SYSTEM STATUS BYTE (MDC038)	YM6287 06217602
		000FF		4950+PSADSSPS EQU	X'FF' - SYSTEM RUNNING IN PROBLEM STATE	MDC039 06218802
		000FE		4951+PSADSSSS EQU	X'FE' - SYSTEM RUNNING IN PRIVILEGED STATE	MDC040 06220002
000346	00			4952+PSADSSF3 DC	XL1'00' - DSS FLAG BYTE	MDC099 06221202
		00080		4953+PSADSSGP EQU	X'80' - DSS SIGP INDICATOR	MDC100 06222402
		00040		4954+PSADSSSES EQU	X'40' - ERROR SHORT SAVE INDICATOR	MDC113 06224402
		00020		4955+PSADSSNM EQU	X'20' - NON-MONITORABLE CODE INDICATOR	MDC114 06224502
		00010		4956+PSADSSRW EQU	X'10' - DSS OWNS CVTRSTWD	MDC117 06224602
		00008		4957+PSADSSMC EQU	X'08' - MACHINE CHECK RUNNING (MDC132)	YM6287 06224702
		00004		4958+PSARV055 EQU	X'04' , , C'X' - RESERVED FOR DSS	MDC100 06226002
		00002		4959+PSARV056 EQU	X'02' , , C'X' - RESERVED FOR DSS	MDC100 06226402
		00001		4960+PSARV057 EQU	X'01' , , C'X' - RESERVED FOR DSS	MDC100 06226802
000347	00			4961+PSADSSF4 DC	XL1'00' - DSS RECURSION FLAGS	MDC101 06227702
		00080		4962+PSADSSRC EQU	X'80' - PROGRAM-SVC RECURSION FLAG	MDC057 06229002
		00040		4963+PSADSS12 EQU	X'40' - PROGRAM INTERRUPT 12 RECURSION FLAG	06230302
				4964+*		MDC058 06231602
		00020		4965+PSADSSIE EQU	X'20' - I/O-EXTERNAL RECURSION FLAG	MDC059 06232902
		00010		4966+PSADSSC0 EQU	X'10' - CONTROL REGISTER 0 INVALID FLAG	MDC092 06234202
		00008		4967+PSADSSDE EQU	X'08' - DAT ERROR WHILE DSS RUNNING IN VS2 VM	06236402
				4968+*		MDC102 06238402
		00004		4969+PSADSSVE EQU	X'04' - DAT ERROR WHILE DSS RUNNING IN DSS VM	06240402
				4970+*		MDC103 06240502
		00002		4971+PSADSS10 EQU	X'02' - SEGMENT EXCEPTION RECURSION FLAG	MDC104 06240602
		00001		4972+PSADSS05 EQU	X'01' - ADDRESSING EXCEPTION RECURSION FLAG	06240902
				4973+*		MDC105 06241302
000348				4974+	DS 0D - ALIGN PSADSSRP TO DOUBLEWORD	MDC025 06241602
000348	000000000000000000			4975+PSADSSRP DC	XL8'00' - DSS TO VS2-2 RESUME PSW	MDC025 06242002
000350				4976+	DS 0D - ALIGN PSADSSPP TO DOUBLEWORD	MDC026 06243302
000350	000000000000000000			4977+PSADSSPP DC	XL8'00' - DSS PSW FOR RETURNING CONTROL FROM	06244602
				4978+*	PRIVILEGED INSTRUCTION STREAM TO VS2	06245902
				4979+*		MDC026 06246302
000358	00000000			4980+PSADSS14 DC	F'0' - DSS RESTART SECOND LEVEL INTERRUPT	06248302
				4981+*	HANDLER CONTROL REGISTER 14 SAVE AREA	06248702
				4982+*		MDC115 06249102
00035C	00000000			4983+PSADSSFW DC	F'0' - FULL-WORD DSS WORK AREA	MDC116 06249502
000360	00000000			4984+PSADSSPR DC	F'0' - DSS REGISTER SAVE FOR PRIVILEGED	06249802
				4985+*	INSTRUCTION STREAM	MDC028 06251102

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
			00364	4986+PSADSSSED EQU	* -	END OF DSS FIELDS	MDC045 06252402
000364	00000000			4987+PSARV025 DC	F'0' -	RESERVED FOR DSS	06253702
000368	00000000			4988+PSARV040 DC	F'0' -	RESERVED FOR DSS	06255002
00036C	00000000			4989+PSARV041 DC	F'0' -	RESERVED FOR DSS	06256302
000370	00000000			4990+PSARV042 DC	F'0' -	RESERVED FOR DSS	06257602
000374	00000000			4991+PSARV043 DC	F'0' -	RESERVED FOR DSS	06258902
000378	0000			4992+PSARV153 DC	H'0' -	RESERVED (MDC607)	06260200
00037A	07FE			4993+PSARET DC	X'07FE' -	BRANCH RETURN TO CALLER, USED BY	06261200
				4994+*		ROUTINES INVOKED BY IOS	06262200
				4995+*		(MDC607) @ZA38630	06263200
00037C	47FFE000			4996+PSARETCD DC	X'47FFE000' -	BRANCH RETURN TO CALLER WITH RETURN	06264200
				4997+*		CODE IN REGISTER 15, USED BY ROUTINES	06265200
				4998+*		INVOKED BY IOS (MDC607) @ZA38630	06266200
000380				4999+PSARSVT DS	0CL64 -	RECOVERY STACK VECTOR TABLE	MDC064 06271502
000380				5000+PSARSVTE DS	0CL64 -	RECOVERY STACK VECTOR TABLE	MDC065 06273502
000380	00000000			5001+PSACSTK DC	A(0) -	ADDRESS OF CURRENTLY USED FUNCTIONAL	06273902
				5002+*		RECOVERY ROUTINE (FRR) STACK	MDC061 06274302
000384	00000000			5003+PSANSTK DC	A(0) -	ADDRESS OF NORMAL FRR STACK	MDC062 06278602
000388	00000000			5004+PSASSTK DC	A(0) -	ADDRESS OF SVC-I/O-DISPATCHER FRR STACK	06280602
				5005+*			MDC063 06282602
00038C	00000000			5006+PSASSAV DC	A(0) -	ADDRESS OF INTERRUPTED STACK SAVED BY	06282702
				5007+*		SVC-I/O-DISPATCHER	MDC066 06282802
000390	00000000			5008+PSAMSTK DC	A(0) -	ADDRESS OF MCH FRR STACK	MDC067 06287102
000394	00000000			5009+PSAMSAV DC	A(0) -	ADDRESS OF INTERRUPTED STACK SAVED BY	06289102
				5010+*		MCH	MDC068 06291102
000398	00000000			5011+PSAPSTK DC	A(0) -	ADDRESS OF PROGRAM CHECK FLIH FRR STACK	06291202
				5012+*			MDC069 06291302
00039C	00000000			5013+PSAPSAV DC	A(0) -	ADDRESS OF INTERRUPTED STACK SAVED BY	06303002
				5014+*		PROGRAM CHECK FLIH	MDC070 06313002
0003A0	00000000			5015+PSAESTK1 DC	A(0) -	ADDRESS OF EXTERNAL FLIH FRR STACK FOR	06313402
				5016+*		NON-RECURSIVE ENTRIES	MDC071 06313802
0003A4	00000000			5017+PSAESAV1 DC	A(0) -	ADDRESS OF INTERRUPTED STACK SAVED BY	06314202
				5018+*		NON-RECURSIVE ENTRIES	MDC072 06314602
0003A8	00000000			5019+PSAESTK2 DC	A(0) -	ADDRESS OF EXTERNAL FLIH FRR STACK FOR	06314702
				5020+*		FIRST LEVEL RECURSIONS	MDC073 06314802
0003AC	00000000			5021+PSAESAV2 DC	A(0) -	ADDRESS OF INTERRUPTED STACK SAVE BY	06318702
				5022+*		EXTERNAL FLIH FOR FIRST LEVEL RECURSIONS	06320702
				5023+*			MDC074 06321502
0003B0	00000000			5024+PSAESTK3 DC	A(0) -	ADDRESS OF EXTERNAL FLIH FRR STACK FOR	06321902
				5025+*		SECOND LEVEL RECURSIONS AND ACR	MDC075 06322302
0003B4	00000000			5026+PSAESAV3 DC	A(0) -	ADDRESS OF INTERRUPTED STACK SAVED BY	06322402
				5027+*		EXTERNAL FLIH (ACR) FOR SECOND LEVEL	06322502
				5028+*		RECURSIONS	MDC076 06322602
0003B8	00000000			5029+PSARSTK DC	A(0) -	ADDRESS OF RESTART FLIH FRR STACK	MDC077 06326502
0003BC	00000000			5030+PSARSAV DC	A(0) -	ADDRESS OF INTERRUPTED STACK SAVED BY	06328502
				5031+*		RESTART FLIH	MDC078 06328902
0003C0				5032+	DS	ALIGN PSARPSW TO DOUBLE WORD	MDC096 06329302
0003C0	000000000000000000			5033+PSASRPSW DC	XL8'00' -	RESUME PSW FOR STOP AND RESTART	06329702
				5034+*		SUBROUTINE	MDC096 06330102
0003C8				5035+	DS	ALIGN PSARSPSW TO DOUBLE WORD	MDC097 06330202
0003C8	000000000000000000			5036+PSARSPSW DC	XL8'00' -	RESUME PSW FIELD FOR RESTART INTERRUPT	06330302
				5037+*		HANDLER	MDC097 06330402
0003D0				5038+	DS	ALIGN PSASTART TO DOUBLE WORD	MDC111 06332402
0003D0	07FE			5039+PSASTART BR	14 -	START FATHOM RECORDING	MDC111 06332802
0003D2	000000000000000000			5040+	DC	REST OF PSASTART	MDC111 06333202

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
0003E0				5041+	DS	0D -	ALIGN PSASTOP TO DOUBLE WORD MDC112 06333602
0003E0	07FE			5042+PSASTOP	BR	14 -	STOP FATHOM RECORDING MDC112 06334002
0003E2	0000000000000000			5043+	DC	XL14'00' -	REST OF PSASTOP MDC112 06334102
0003F0				5044+	DS	0F -	ALIGN PSASFACC TO FULL WORD MDC123 06334202
0003F0	8007D000			5045+PSASFACC	DC	XL4'8007D000' -	SETFRR ABEND COMPLETION CODE USED WHEN 06334302
				5046+*			A SETFRR ADD IS ISSUED AGAINST A FULL 06340702
				5047+*			FRR STACK MDC123 06342702
0003F4	581003F0			5048+PSALSFCC	DC	XL4'581003F0' -	A LOAD INSTRUCTION TO PRIME REGISTER 1 06344702
				5049+*			WITH THE SETFRR ABEND COMPLETION CODE IN 06346702
				5050+*			PSASFACC MDC124 06347102
0003F8	0A0D			5051+PSASVC13	SVC	13 -	AN SVC 13 INSTRUCTION MDC125 06347502
0003FA	0000			5052+PSARV059	DC	H'0' -	RESERVED 06347902
0003FC	00000000			5053+PSAPIR2	DC	F'0' -	PROGRAM CHECK FLIH REGISTER SAVE 06348203
				5054+*			(MDC303) @ZM08516 06348603
000400				5055+	DS	0D -	ALIGN PSAPCPSW TO DOUBLE WORD YM0943 06348902
000400	0000000000000000			5056+PSAPCPSW	DC	XL8'00' -	TEMPORARY OLD PSW STORAGE FOR PROGRAM 06349202
				5057+*			FLIH (MDC129) YM0943 06349502
000408	00000000			5058+PSAATCVT	DC	A(0) -	ADDRESS OF VTAM ATCVT. INITIALIZED BY 06349703
				5059+*			VTAM. (MDC300) @Z30AP9A 06350003
00040C	00000000			5060+PSAWTCOD	DC	A(0) -	CALLER-SUPPLIED WAIT STATE INFORMATION 06355004
				5061+*			FOR STOP/RESTART (MDC306) @ZA00904 06357004
000410	00000000			5062+PSACDAL	DC	A(0) -	ADDRESS OF COMMON DISPATCHER ELEMENT FOR 06358004
				5063+*			THIS CPU (MDC307) @Z40FP9A 06359004
000414	0000			5064+PSACSID	DC	H'0' -	CURRENT CHANNEL SET ID (MDC472) @G64AP9A 06360064
000416	0000			5065+PSARV100	DC	H'0' -	RESERVED @G64AP9A 06360364
000418				5066+PSAUSEND	DS	0D -	END OF ASSIGNED FIELDS MDC109 06361003
000418	0000000000000000			5067+	DC	2024XL1'00' -	RESERVED @Z40AQ9A 06367504
000C00				5068+	DS	0D -	ALIGN PSASTAK TO DOUBLE WORD MDC118 06374003
000C00	0000000000000000			5069+PSASTAK	DC	596XL1'00' -	NORMAL FRR STACK (MDC304) @ZM32352 06387003
000E54	0000000000000000			5070+	DC	428XL1'00' -	RESERVED FOR EXPANSION OF PSASTAK 06391003
				5071+*			(MDC304) @ZM32352 06395003
		01000		5072 PSALEN	EQU	*-PSA	Length of PSA

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				5074	CVT DSECT=YES,LIST=YES Communication Vector Table	
				5075+*%CVTL1 :	;	00451001
				5076+*/	/*	00500001
				5077+*/	COMMUNICATION VECTOR TABLE	00700001
				5078+*/	/*	00800001
				5079+*/	OS/VS2 SU64, 04/24/80, LEVEL=6	00802003
				5080+*/	/*	01000001
				5081+*/	METHOD OF ACCESS	01001001
				5082+*/	PL/S - DCL CVTPTR PTR	01002001
				5083+*/	BAL - DSECT=YES SHOULD BE SPECIFIED ON MACRO CALL EXCEPT	01003001
				5084+*/	WHEN CALLED DURING SYSGEN TO CREATE CSECT. CVT FOR	01004001
				5085+*/	OS/VS2 IS MAPPED UNLESS SYS=AOS1 IS SPECIFIED. THE	01005002
				5086+*/	PREFIX IS NOT MAPPED UNLESS PREFIX=YES IS SPECIFIED.	01006001
				5087+*/	A USING ON CVTMAP OR DSECT NAME WILL ESTABLISH	01007001
				5088+*/	ADDRESSABILITY FOR ALL SYMBOLS EXCEPT IN THE 2	01008001
				5089+*/	EXTENSIONS. TO ESTABLISH ADDRESSABILITY FOR THE	01009001
				5090+*/	OS - OS/VS COMMON EXTENSION, YOU SHOULD CODE	01010002
				5091+*/	/*	01011001
				5092+*/	L REG,CVTEXT1	01012001
				5093+*/	USING CVTXTNT1,REG	01013001
				5094+*/	/*	01014001
				5095+*/	TO ESTABLISH ADDRESSABILITY FOR THE OS/VS1 - OS/VS2	01015002
				5096+*/	COMMON EXTENSION, YOU SHOULD CODE	01016001
				5097+*/	/*	01017001
				5098+*/	L REG,CVTEXT2	01018001
				5099+*/	USING CVTXTNT2,REG	01019001
				5100+*/	/*	01020001
				5101+*/	WHERE REG IN EITHER CASE IS ANY REGISTER OTHER	01021001
				5102+*/	THAN ZERO.	01022001
				5103+*/	/*	01023001
				5104+*/	WHEN LISTING IS SUPPRESSED, YOU CAN DETERMINE WHICH	01024001
				5105+*/	DSECT A SYMBOL IS IN BY USING THE STATEMENT NUMBER	01025001
				5106+*/	IN THE DEFN COLUMN IN THE CROSS REFERENCE LISTING.	01026001
				5107+*/	FOR EXAMPLE, ANY SYMBOL DEFINED BETWEEN THE	01027001
				5108+*/	STATEMENT NUMBERS FOR CVTXTNT1 AND CVTXTNT2 IS IN	01028001
				5109+*/	THE OS - OS/VS COMMON EXTENSION.	01029002
				5110+*/	/*	01030001
				5111+*/	F.E.'S	01031001
				5112+*/	MICROFICHE LISTING - CVT	01032001
				5113+*/	/*	01033001
				5114+*/	DEVELOPERS	01034001
				5115+*/	BAL LISTING - SPECIFY LIST=YES ON MACRO CALL	01035001
				5116+*/	PL/S LISTING - SPECIFY %IHALIST='YES' BEFORE INCLUDE	01035401
				5117+*/	/*	01037001
				5118+*/	FOR INTEGRATION, A LISTING MUST NOT BE REQUESTED UNLESS	01038001
				5119+*/	YOUR MODULE CREATES THE CSECT.	01039001
				5120+*	/*	01040001
				5121+*%GOTO CVTL2;	/*	01041001
				5122+	PUSH PRINT	03102001
		00010		5123+CVTPTR	EQU 16 - ABSOLUTE ADDRESS OF POINTER TO CVT	03200001
				5124+*	/*	03366701
				5125+*	BEGINNING OF CVT PROPER	03400001
				5126+*	/*	03500001
000000				5127+CVT	DSECT , -	03560001
		00000		5128+CVTMAP	EQU * - CVTPTR CONTENT POINTS HERE	04100001

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				5129+*		04300001
000000	00000000			5130+CVTTCBP DC	V(IEATCBP) - ADDRESS OF A DOUBLE WORD, THE FIRST	04400002
				5131+*	CONTAINING THE NEXT-TO-BE-DISPATCHED TCB	04400402
				5132+*	ADDRESS, THE SECOND CONTAINING THE LAST	04400802
				5133+*	(CURRENT) TCB ADDRESS. BOTH WORDS ARE	04401202
				5134+*	IDENTICAL UNLESS THE TASK GOES INTO A	04401602
				5135+*	WAIT STATE. WHEN IN A WAIT STATE, THE	04401702
				5136+*	FIRST WORD IS SET TO ZERO UNTIL THE	04401802
				5137+*	WAITING IS OVER AND THEN BOTH WORDS ARE	04401902
				5138+*	ONCE AGAIN IDENTICAL. (OS/VS1)	04406402
				5139+*	ADDRESS OF 4-WORD LIST OF ADDRESSES -	04411002
				5140+*	THE NEXT TCB, THE CURRENT TCB, THE NEXT	04415502
				5141+*	ASCB AND THE CURRENT ASCB, IN THAT	04420002
				5142+*	ORDER (OS/VS2) MDC026	04430002
000004	00000000			5143+CVT0EF00 DC	V(IEA0EF00) - ADDRESS OF ROUTINE TO SCHEDULE	04500002
				5144+*	ASYNCHRONOUS EXITS	04600002
000008	00000000			5145+CVTLINK DC	V(IEFLINK) - ADDRESS OF DCB FOR SYS1.LINKLIB DATA SET	04700002
00000C	00000000			5146+ DC	A(0) - ** CVTJOB FIELD UNUSED IN MVS **	04830004
				5147+*	(MDC083) @Z40AQ9A	04836004
000010	00000000			5148+CVTBUF DC	A(0) - ADDRESS OF THE BUFFER OF THE RESIDENT	04900002
				5149+*	CONSOLE INTERRUPT ROUTINE	05000002
000014	00000000			5150+CVTXAPG DC	V(IECXAPG) - ADDRESS OF I/O SUPERVISOR APPENDAGE VECTOR	05100002
				5151+*	TABLE	05150002
000018	00000000			5152+CVT0VL00 DC	V(IEA0VL00) - ADDRESS OF ENTRY POINT OF THE TASK	05200002
				5153+*	SUPERVISOR'S ADDRESS VALIDITY CHECKING	05250002
				5154+*	ROUTINE	05300002
00001C	00000000			5155+CVTPCNVT DC	V(IEPCNVT) - ADDRESS OF ENTRY POINT OF THE ROUTINE	05400002
				5156+*	WHICH CONVERTS A RELATIVE TRACK ADDRESS	05450002
				5157+*	(TTR) TO AN ABSOLUTE TRACK ADDRESS	05500002
				5158+*	(MBBCCHHR)	05550002
000020	00000000			5159+CVTPRLTV DC	V(IECPRLTV) - ADDRESS OF ENTRY POINT OF THE ROUTINE	05600002
				5160+*	WHICH CONVERTS AN ABSOLUTE TRACK ADDRESS	05650002
				5161+*	(MBBCCHHR) TO A RELATIVE TRACK ADDRESS	05700002
				5162+*	(TTR)	05750002
000024	00000000			5163+CVTILK1 DC	V(IECILK1) - ADDRESS OF THE CHANNEL AND CONTROL UNIT	05800002
				5164+*	PORTION OF THE UCB LOOKUP TABLE	05900002
000028	00000000			5165+CVTILK2 DC	V(IECILK2) - ADDRESS OF THE UCB HALFWORD ADDRESS LIST	06000002
				5166+*	PORTION OF THE UCB LOOKUP TABLE	06100002
00002C	00000000			5167+CVTXTLER DC	V(IECXTLER) - ADDRESS OF ERROR RECOVERY PROCEDURE (ERP)	06200004
				5168+*	LOADER (IECVERPL) ENTRY POINT IECXTLER	06250004
				5169+*	(MDC349) @Z40AQ9A	06300004
000030	00000000			5170+CVTSYSAD DC	A(0) - ADDRESS OF THE SYSTEM RESIDENCE VOLUME	06400002
				5171+*	ENTRY IN THE UCB LOOKUP TABLE	06500002
000034	00000000			5172+CVTBTERM DC	V(IEAVTRT1) - ADDRESS OF ENTRY POINT OF THE ABTERM	06630002
				5173+*	ROUTINE MDC084	06632002
000038	00000000			5174+CVTDATE DC	F'0' - CURRENT DATE IN PACKED DECIMAL	06700002
00003C	00000000			5175+CVTMSLT DC	V(IEEMSER) - ADDRESS OF THE MASTER COMMON AREA IN	07500002
				5176+*	MASTER SCHEDULER RESIDENT DATA AREA.	07550002
				5177+*	NOTE - USE CVTMSER INSTEAD TO ADDRESS	07600002
				5178+*	MASTER SCHEDULER RESIDENT DATA AREA	07650002
000040	00000000			5179+CVTZDTAB DC	V(IECZDTAB) - ADDRESS OF I/O DEVICE CHARACTERISTIC TABLE	08000002
000044	00000000			5180+CVTXITP DC	V(IECXITP) - ADDRESS OF ERROR INTERPRETER ROUTINE	08100002
000048	00000000			5181+ DC	A(0) - ** CVTDAR FIELD UNUSED IN MVS **	08398004
				5182+*	(MDC029) @Z40AQ9A	08398204
00004C	00000000			5183+CVT0FN00 DC	A(0) - RESERVED (OS/VS2)	09400002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
000050	0A03			5184+CVTEXIT	SVC	3 -	EXIT TO DISPATCHER 09700001
000052	07FE			5185+CVTBRET	BR	14 -	RETURN TO CALLER (USED BY DATA MANAGEMENT 09800002
				5186+*			ROUTINES) 09850002
000054	00000000			5187+CVTSVDCB	DC	V(IEASVDCB) -	ADDRESS OF THE DCB FOR THE SYS1.SVCLIB 09900002
				5188+*			DATA SET 09950002
000058	00000000			5189+CVTTPC	DC	V(IEATPC) -	ADDRESS OF THE TIMER SUPERVISOR WORK AREA 10700002
00005C				5190+CVTNIPSV	DS	H -	RESERVED MVS @ZA51978 11810003
00005E	0000			5191+CVTICPID	DC	H'0' -	IPL'ED CPU PHYSICAL ID @ZA51978 11840003
000060	00000000			5192+CVTSJQ	DC	A(0) -	RESERVED (OS/VS2) 11900002
000064	00000000			5193+CVTCUCB	DC	V(IEECUCB) -	ADDRESS OF THE TABLE THAT CONTAINS THE 12200002
				5194+*			CURRENT CONSOLE UCB ADDRESSES 12250002
000068	00000000			5195+CVTQTE00	DC	V(IEAQTE00) -	ADDRESS OF THE TIMER ENQUEUE ROUTINE FOR 13100002
				5196+*			INTERVAL TIMER 13200002
00006C	00000000			5197+CVTQTD00	DC	V(IEAQTD00) -	ADDRESS OF THE TIMER DEQUEUE ROUTINE FOR 13300002
				5198+*			INTERVAL TIMER 13400002
000070	00000000			5199+CVTSTB	DC	V(IECSTB) -	ADDRESS OF THE I/O DEVICE STATISTICS TABLE 13700002
000074	13			5200+CVTDCB	DC	XL1'13' -	OPERATING SYSTEM MDC132 16800002
		00080		5201+CVTRSV08	EQU	X'80',,C'X' -	RESERVED 16810001
		00040		5202+CVT1SSS	EQU	X'40' -	OPTION 1 (PCP) SSS 16900001
		00020		5203+CVT2SPS	EQU	X'20' -	OPTION 2 (MFT) SPS, OS/VS1 17000002
		00010		5204+CVT4MS1	EQU	X'10' -	OPTION 4 (MVT) MS1, OS/VS2 17100002
		00008		5205+CVTRSV09	EQU	X'08',,C'X' -	RESERVED 17110001
		00004		5206+CVT4MPS	EQU	X'04' -	MODEL 65 MULTIPROCESSING 17200001
		00002		5207+CVT6DAT	EQU	X'02' -	DYNAMIC ADDRESS TRANSLATION BY CPU 17250001
				5208+*			(OS/VS1, OS/VS2) 17260002
		00001		5209+CVTMVS2	EQU	X'01' -	MULTIPLE MEMORY OPTION OF OS/VS2 IS 17262002
				5210+*			PRESENT MDC131 17264002
		00012		5211+CVT8AOS2	EQU	CVT4MS1+CVT6DAT -	OS/VS2 SYSTEM 17270002
000075	000000			5212+CVTDCBA	DC	VL3(IFBDCB) -	ADDRESS OF THE DCB FOR THE SYS1.LOGREC 17300002
				5213+*			(OUTBOARD RECORDER) DATA SET FOR SYSTEM 17310002
				5214+*			ENVIRONMENT RECORDING (SER) 17320002
000078	00000000			5215+CVTSV76M	DC	F'0' -	SVC 76 MESSAGE COUNT FIELD (OS/VS2) 17330041
				5216+*			(MDC372) @ZA18857 17350041
00007C	00000000			5217+CVTIXAVL	DC	V(IECIXAVL) -	ADDRESS OF THE I/O SUPERVISOR'S FREELIST 17700002
				5218+*			POINTER WHICH CONTAINS THE ADDRESS OF THE 17750002
				5219+*			NEXT REQUEST ELEMENT (OS/VS1) 17760002
				5220+*			ADDRESS OF THE I/O SUPERVISOR'S 17770002
				5221+*			COMMUNICATION AREA (IOCOM) (OS/VS2) 17780002
000080	00000000			5222+CVTNUCB	DC	A(0) -	LOWEST ADDRESS NOT IN THE NUCLEUS (ON PAGE 17800002
				5223+*			BOUNDARY FOR OS/VS1) (ON SEGMENT BOUNDARY 17850003
				5224+*			FOR OS/VS2) (MDC318) @Z30AQ9A 17860003
000084	00000000			5225+CVTFBOSV	DC	A(0) -	ADDRESS OF PROGRAM FETCH ROUTINE 17930002
				5226+*			(MDC222) YM4043 17940002
000088	00000000			5227+CVT0DS	DC	V(IEA0DS) -	ADDRESS OF ENTRY POINT OF THE DISPATCHER 18000002
00008C	00000000			5228+CVTILCH	DC	V(IECILCH) -	ADDRESS OF THE LOGICAL CHANNEL WORD TABLE 18100002
000090	00000000			5229+CVTRV516	DC	A(0) -	** CVTIERLC FIELD UNUSED IN MVS ** 18600004
				5230+*			(MDC218) YM4043 18650004
000094	00000000			5231+CVTMSER	DC	V(IEEMSER) -	ADDRESS OF DATA AREA OF MASTER SCHEDULER 19000002
				5232+*			RESIDENT DATA AREA 19050002
000098	00000000			5233+CVT0PT01	DC	V(IEA0PT01) -	ADDRESS OF BRANCH ENTRY POINT OF POST 19400002
				5234+*			ROUTINE 19450002
00009C				5235+CVTRSV11	DS	A -	** CVTTRMTB FIELD UNUSED IN OS/VS ** 19500002
0000A0	00000000			5236+CVTSV76C	DC	XL4'00' -	SVC 76 MESSAGE CONTROL FIELD. HIGH-ORDER 19761041
				5237+*			BIT IS DEFINED, AND ALL OTHER BITS ARE 19762041
				5238+*			ZERO. (OS/VS2) (MDC373) @ZA18857 19762641

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
			00080	5239+CVTSV76Q EQU	X'80' -	SVC 76 ENQUEUE SWITCH. THIS IS THE 19764041
				5240+*		HIGH-ORDER BIT OF CVTSV76C. (OS/VS2) 19765041
				5241+*		(MDC374) @ZA18857 19766041
0000A4	00FFFFFF			5242+CVTMZ00 DC	X'00FFFFFF' -	HIGHEST ADDRESS IN VIRTUAL STORAGE FOR 19770002
				5243+*		THIS MACHINE 19772002
0000A8	00000000			5244+CVT1EF00 DC	A(0) -	ADDRESS OF ROUTINE WHICH CREATES IRB'S 19800001
				5245+*		FOR EXITS 19850001
0000AC	00000000			5246+CVTQ0CR DC	A(0) -	GRAPHICS INTERFACE TASK (GFX) FIELD. 22300002
				5247+*		ADDRESS OF SEVENTH WORD OF GFX PARAMETER 22350002
				5248+*		LIST, IF GFX IS ACTIVE. ZERO IF GFX IS 22400002
				5249+*		NOT ACTIVE 22450002
0000B0	00000000			5250+CVTQMWR DC	V(IEFQMWR) -	ADDRESS OF QUEUE MANAGER'S SYSTEM OUTPUT 22700002
				5251+*		COMMUNICATIONS-DATA-AREA (CDA), WHICH IS 22750002
				5252+*		STORED ON AN EXTERNAL DEVICE 22800002
0000B4	0000			5253+CVTSNCTR DC	H'0' -	SERIAL NUMBER COUNTER FOR ASSIGNING SERIAL 22900002
				5254+*		NUMBERS TO NON-SPECIFIC, UNLABELED 22950002
				5255+*		MAGNETIC TAPE VOLUMES 22960002
0000B6	00			5256+CVTOPTA DC	AL1(00) -	OPTION INDICATORS 23000002
		00080		5257+CVTCCH EQU	X'80' -	CHANNEL CHECK HANDLER (CCH) OPTION PRESENT 23050002
				5258+*		- RECOVERY MANAGEMENT SUPPORT (RMS) XM4686 23100002
		00040		5259+CVTAPR EQU	X'40' -	ALTERNATE PATH RETRY (APR) OPTION PRESENT 23200002
				5260+*		- RECOVERY MANAGEMENT SUPPORT (RMS) 23250002
		00020		5261+CVTDDR EQU	X'20' -	DYNAMIC DEVICE RECONFIGURATION (DDR) 23350002
				5262+*		OPTION PRESENT - RECOVERY MANAGEMENT 23400002
				5263+*		SUPPORT (RMS) (OS/VS1) 23450002
				5264+*		DDR SYSTEM-INITIATED SWAP ACTIVE (OS/VS2) 23500002
				5265+*		MDC126 23550002
		00010		5266+CVTNIP EQU	X'10' -	NIP IS EXECUTING 23600002
		00008		5267+CVTRSV12 EQU	X'08' , , C'X' -	RESERVED 23610001
		00004		5268+CVT121TR EQU	X'04' , , C'X' -	DO NOT TRANSLATE EXCP V=R @ZA45816 23620003
		00002		5269+CVTASCII EQU	X'02' -	ASCII TAPE PROCESSING IS GENERATED IN 23650002
				5270+*		THIS SYSTEM 23660002
		00001		5271+CVTXPPF EQU	X'01' -	CPU HAS EXTENDED PRECISION FLOATING POINT 23700001
				5272+*		FEATURE 23750002
0000B7	00			5273+CVTOPTB DC	AL1(00) -	MISCELLANEOUS FLAGS 24100001
		00080		5274+CVTPROT EQU	X'80' -	CPU HAS STORE PROTECTION FEATURE (OS/VS1) 24200002
		00040		5275+CVTCTIMS EQU	X'40' -	IF ON, HARDWARE HAS THE CLOCK COMPARATOR 24200102
				5276+*		AND CPU TIMER FEATURE INSTALLED, AND 24200202
				5277+*		OS/VS1 SYSGEN HAS SPECIFIED THIS FEATURE 24200302
				5278+*		(OS/VS1) MDC127 24200402
		00020		5279+CVTTOD EQU	X'20' -	CPU HAS TIME-OF-DAY CLOCK FEATURE 24300002
		00010		5280+CVTNLOG EQU	X'10' -	SYS1.LOGREC IS UNAVAILABLE FOR ERROR 24310002
				5281+*		RECORDING. ALWAYS SET TO ZERO FOR 24320002
				5282+*		OS/VS1. MDC127 24322002
		00008		5283+CVTAPTHR EQU	X'08' -	NIP SETS THIS BIT TO 1 WHEN DEVICE TESTING 24330002
				5284+*		IS COMPLETE. IF 1, I/O SUPERVISOR USES 24332002
				5285+*		AN ALTERNATE PATH TO A DEVICE WHEN A 24334002
				5286+*		CONDITION CODE OF 3 EXISTS. THIS BIT IS 24336002
				5287+*		RESET TO 0 BY NIP AFTER THE LINK PACK 24338002
				5288+*		AREA IS INITIALIZED. YM2670 24338402
		00004		5289+CVTFP EQU	X'04' -	CPU HAS FETCH PROTECTION FEATURE (OS/VS1) 24340002
				5290+*		ICB427 24340402
		00002		5291+CVTVS1A EQU	X'02' -	VS1 ASSIST IS AVAILABLE FOR USE (OS/VS1) 24342006
				5292+*		(MDC353) @X60CA9A 24342606
		00001		5293+CVTVS1B EQU	X'01' -	VS1 ASSIST SUBSET IS AVAILABLE FOR USE 24343306

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				5294+*	(OS/VS1) (MDC365) @X60KU9A	24344006
0000B8	00000000			5295+CVTQCDSR DC	V(IEAQCDJR) - CDE SEARCH ROUTINE ADDRESS (OS/VS2)	26800002
0000BC	00000000			5296+CVTQLPAQ DC	V(IEAQLPAQ) - ADDRESS OF POINTER TO MOST RECENT ENTRY	26900001
				5297+*	ON LINK PACK AREA CDE QUEUE (OS/VS2)	26950002
0000C0	00000000			5298+CVTRSV18 DC	A(0) - ** CVTMPCVT FIELD UNUSED IN OS/VS **	27450002
0000C4	00000000			5299+CVTSMCA DC	A(0) - ADDRESS OF THE SYSTEM MANAGEMENT CONTROL	28900002
				5300+*	AREA (SMCA) IF THE SYSTEM MANAGEMENT	28950002
				5301+*	FACILITIES (SMF) OPTION IS PRESENT IN THE	28960002
				5302+*	SYSTEM. OTHERWISE, ZERO.	28970002
0000C8	00000000			5303+CVTABEND DC	V(IEABEND) - ADDRESS OF SECONDARY CVT FOR ABEND IN EOT	29400002
				5304+*	(OS/VS2)	29500002
0000CC	00000000			5305+CVTUSER DC	A(0) - A WORD AVAILABLE TO THE USER	30100002
0000D0	00000000			5306+CVTMDLDS DC	A(0) - RESERVED FOR MODEL-DEPENDENT SUPPORT	30700001
0000D4	0A0D			5307+CVTQABST SVC	13 - AN ABEND INVOCATION (OS/VS2)	30800002
0000D6	0A06			5308+CVTLNKSC SVC	6 - A LINK INVOCATION ICB369	30900002
0000D8	00000000			5309+CVTTSCE DC	A(0) - ADDRESS OF THE FIRST TIME SLICE CONTROL	31700002
				5310+*	ELEMENT (TSCE)	31750002
0000DC	00000000			5311+CVTPATCH DC	V(IEAPATCH) - ADDRESS OF A 200-BYTE FE PATCH AREA	32300002
0000E0	00000000			5312+CVTRMS DC	V(IGFRVT) - RECOVERY MANAGEMENT SUPPORT (RMS)	33050002
				5313+*	COMMUNICATIONS VECTOR. ADDRESS OF A	33052002
				5314+*	MACHINE STATUS BLOCK.	33054002
0000E4	00000000			5315+CVTRV515 DC	A(0) - ** CVTTSCVT FIELD UNUSED IN MVS **	33100004
				5316+*	(MDC037) @Z40AQ9A	33150004
0000E8	00000000			5317+CVT0SCR1 DC	A(0) - ADDRESS OF THE SECTOR CALCULATION ROUTINE	33570002
				5318+*	FOR ROTATIONAL POSITION SENSING (RPS)	33572002
0000EC				5319+CVTGTF DS	0A - GENERALIZED TRACE FACILITY (GTF) CONTROL	33630002
				5320+*	WORD ICB312	33650002
0000EC	00			5321+CVTGTFST DC	AL1(0) - GTF FLAG BYTES ICB312	33680001
		00080		5322+CVTGTFST EQU	X'80' - IF ZERO, GTF NOT ACTIVE. IF ONE, GTF	33709002
				5323+*	ACTIVE. (OS/VS2) MDC098	33710802
		00040		5324+CVTRV315 EQU	X'40',,C'X' - RESERVED (OS/VS2)	33712602
		00020		5325+CVTRV316 EQU	X'20',,C'X' - RESERVED (OS/VS2)	33714402
		00010		5326+CVTRV317 EQU	X'10',,C'X' - RESERVED (OS/VS2)	33716202
		00008		5327+CVTRV318 EQU	X'08',,C'X' - RESERVED (OS/VS2)	33718002
		00004		5328+CVTUSR EQU	X'04' - TRACE=USR SPECIFIED. USER-REQUESTED TRACE	33722103
				5329+*	DATA IS TO BE INCLUDED IN THE TRACE DATA	33722603
				5330+*	SET. (MDC317) @Z30AP9A	33723103
		00002		5331+CVTRNIO EQU	X'02' - GTF IS ACTIVE AND TRACING RNIO EVENTS	33723602
				5332+*	MDC187	33724002
		00001		5333+CVTRSV27 EQU	X'01',,C'X' - RESERVED	33725202
0000ED	000000			5334+CVTGTFDC	VL3(AHLHEAD) - ADDRESS OF MAIN MONITOR CALL ROUTING	33736002
				5335+*	TABLE, MCHEAD (OS/VS2) MDC156	33737802
0000F0				5336+CVTAQAVT DS	0A - ADDRESS OF THE FIRST WORD OF THE TCAM	33741402
				5337+*	DISPATCHER WHICH CONTAINS THE ADDRESS OF	33751402
				5338+*	THE ADDRESS VECTOR TABLE (AVT). IF ZERO,	33761402
				5339+*	TCAM IS NOT STARTED.	33763402
0000F0	00			5340+CVTTCMFG DC	X'00' - TCAM FLAGS	33766701
		00080		5341+CVTTCRDY EQU	X'80' - TCAM IS READY TO ACCEPT USERS	33800002
		00040		5342+CVTLDEV EQU	X'40' - LOCAL DEVICE ATTACHED TO TCAM	33805040
				5343+*	(MDC357) @Z40XA9A	33810040
		00020		5344+CVTRSV29 EQU	X'20',,C'X' - RESERVED	33820001
		00010		5345+CVTRSV30 EQU	X'10',,C'X' - RESERVED	33830001
		00008		5346+CVTRSV31 EQU	X'08',,C'X' - RESERVED	33840001
		00004		5347+CVTRSV32 EQU	X'04',,C'X' - RESERVED	33842001
		00002		5348+CVTRSV33 EQU	X'02',,C'X' - RESERVED	33844001

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
			00001	5349+CVTRSV34	EQU	X'01',,C'X' - RESERVED	33846001
0000F1	000000			5350+CVTAQAVB	DC	AL3(0) - SAME AS CVTAQAVT ABOVE	33850002
0000F4				5351+CVTVOLM2	DS	0A - ADDRESS OF TABLE FOR POWER WARNING FEATURE	35686003
				5352+*		(PWF) (OS/VS2) (MDC308) @Z30AQ9A	35689003
0000F4	80			5353+CVTVOLF2	DC	X'80' - PWF FLAG BYTE. THIS BYTE IS OVERLAID BY	35692803
				5354+*		CVTVOLM2 AFTER PWF INITIALIZATION.	35693603
				5355+*		(OS/VS2) (MDC309) @Z30AQ9A	35694403
			00080	5356+CVTVOLI2	EQU	X'80' - PWF INITIALIZATION HAS NOT OCCURRED	35695203
				5357+*		(OS/VS2) (MDC310) @Z30AQ9A	35696103
0000F5	000000			5358+CVTVOLT2	DC	AL3(0) - PWF RECHECK TIME DELAY. THIS VALUE IS	35697003
				5359+*		OVERLAID BY CVTVOLM2 AFTER PWF	35697903
				5360+*		INITIALIZATION. (OS/VS2) (MDC311) @Z30AQ9A	35698803
0000F8	00000000			5361+	DC	A(0) - RESERVED (OS/VS2)	35700002
0000FC	00000000			5362+CVTEXT1	DC	A(CVTXTNT1) - ADDRESS OF OS - OS/VS COMMON EXTENSION	35710002
				5363+*		ICB421	35712002
000100	00000000			5364+CVTCBSP	DC	A(0) - ADDRESS OF ACCESS METHOD CONTROL BLOCK	35760002
				5365+*		STRUCTURE MDC195	35790002
000104				5366+CVTPURG	DS	0A - ADDRESS OF SUBSYSTEM PURGE ROUTINE	ICB330 35800002
000104				5367+CVTRSV35	DS	XL1 - RESERVED	ICB330 35802001
000105	000000			5368+CVTPURGA	DC	AL3(0) - ADDRESS OF SUBSYSTEM PURGE ROUTINE	ICB330 35804001
000108	00000000			5369+CVTAMFF	DC	XL4'00' - RESERVED FOR ACCESS METHOD FLAGS	ICB436 35810001
00010C				5370+CVTQMSG	DS	0A - ADDRESS OF INFORMATION TO BE PRINTED	35820002
				5371+*		BY ABEND ICB307	35822001
00010C				5372+CVTRSV36	DS	XL1 - RESERVED	ICB307 35824001
00010D	000000			5373+CVTQMSG	DC	VL3(IEAQMSG) ADDRESS OF INFORMATION TO BE PRINTED	35826001
				5374+*		BY ABEND ICB449	35828001
000110				5375+CVTDMSR	DS	0A - SAME AS CVTDMSRA BELOW	ICB346 35830001
000110	00			5376+CVTDMSRF	DC	XL1'00' - OPEN/CLOSE/EOV FLAG BYTE. SETTING BOTH	35845204
				5377+*		BIT 0 AND BIT 1 ON WILL CAUSE BOTH KINDS	35845604
				5378+*		OF DUMPS TO BE TAKEN. THESE BITS ARE USED	35846004
				5379+*		DURING TESTING AND DEBUGGING WHEN OTHER	35846404
				5380+*		DEBUG METHODS ARE INEFFECTIVE. (OS/VS2)	35846804
				5381+*		(MDC350) @Z40AQ9A	35847204
			00080	5382+CVTSDUMP	EQU	X'80' - SET BY COREZAP. WILL CAUSE AN SDUMP TO BE	35847604
				5383+*		TAKEN AND IEC999I MESSAGE ISSUED FOR EVERY	35848004
				5384+*		ABEND ISSUED WITHIN AN OPEN/CLOSE/EOV OR	35848404
				5385+*		DADSM FUNCTION. (OS/VS2) (MDC351) @Z40AQ9A	35848804
			00040	5386+CVTUDUMP	EQU	X'40' - SET BY COREZAP. WILL CAUSE AN ABEND DUMP	35849204
				5387+*		TO BE TAKEN FOR EVERY ABEND ISSUED WITHIN	35849604
				5388+*		AN OPEN/CLOSE/EOV OR DADSM FUNCTION.	35850004
				5389+*		(OS/VS2) (MDC352) @Z40AQ9A	35850404
			00020	5390+CVTRV629	EQU	X'20',,C'X' - RESERVED (OS/VS2)	@Z40AQ9A 35850804
			00010	5391+CVTRV630	EQU	X'10',,C'X' - RESERVED (OS/VS2)	@Z40AQ9A 35851204
			00008	5392+CVTRV631	EQU	X'08',,C'X' - RESERVED (OS/VS2)	@Z40AQ9A 35851604
			00004	5393+CVTRV632	EQU	X'04',,C'X' - RESERVED (OS/VS2)	@Z40AQ9A 35852004
			00002	5394+CVTRV633	EQU	X'02',,C'X' - RESERVED (OS/VS2)	@Z40AQ9A 35852404
			00001	5395+CVTRV634	EQU	X'01',,C'X' - RESERVED (OS/VS2)	@Z40AQ9A 35852804
000111	000000			5396+CVTDMSRA	DC	AL3(0) - ADDRESS OF THE OPEN/CLOSE/EOV SUPERVISORY	35853804
				5397+*		ROUTINE IN THE NUCLEUS. THIS ROUTINE	35854204
				5398+*		HANDLES THE ROUTING OF CONTROL AMONG THE	35854602
				5399+*		I/O SUPPORT ROUTINES. ICB346	35856602
000114				5400+CVTRSV38	DS	F - RESERVED	35873002
000118				5401+CVTRSV39	DS	F - RESERVED	35882002
				5402+*			35891002
				5403+*		OS/VS1 - OS/VS2 COMMON SECTION	35900002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
				5404+*			35950001
00011C	00000000			5405+CVTREAL	DC	A(0) - ADDRESS OF THE VIRTUAL STORAGE BYTE	35960001
				5406+*		FOLLOWING THE HIGHEST VIRTUAL=REAL	35970001
				5407+*		STORAGE ADDRESS	ICB368 35972001
000120	00000000			5408+CVTPTRV	DC	V(IEAPTRV) - ADDRESS OF PAGING SUPERVISOR GENERAL	35980001
				5409+*		ROUTINE TO TRANSLATE REAL ADDRESSES TO	35990001
				5410+*		VIRTUAL ADDRESSES	35992002
000124	00000000			5411+	DC	A(0) - RESERVED (WAS CVTMODE) (OS/VS2)	36003202
				5412+*		(MDC217)	YM4244 36003602
000128	00000000			5413+CVTJESCT	DC	V(IEFJESCT) - ADDRESS OF JOB ENTRY SUBSYSTEM (JES)	36004102
				5414+*		CONTROL TABLE	ICB342 36005202
00012C				5415+	DS	A - RESERVED (WAS CVTJEPS) (OS/VS2)	YM2702 36005402
000130	00000000			5416+CVTTZ	DC	F'0' - DIFFERENCE BETWEEN LOCAL TIME AND	36008002
				5417+*		GREENWICH MEAN TIME IN BINARY UNITS OF	36009302
				5418+*		1.048576 SECONDS	36010602
000134				5419+CVTMCHPR	DS	A - ADDRESS OF MACHINE CHECK PARAMETER LIST	36011902
000138	00000000			5420+CVTEORM	DC	A(0) - POTENTIAL REAL HIGH STORAGE	YM3613 36021602
				5421+*		ADDRESS (OS/VS2)	YM3613 36021902
00013C	00000000			5422+CVTRV517	DC	A(0) - ** CVTERPV FIELD UNUSED IN MVS **	36022204
				5423+*		(MDC219)	YM4043 36022604
000140	00000000			5424+CVTRV518	DC	A(0) - ** CVTINTLA FIELD UNUSED IN MVS **	36023004
				5425+*		(MDC220)	YM4043 36023404
000144				5426+CVTAPF	DS	0A - SAME AS CVTAPFA BELOW	ICB360 36041802
000144				5427+CVTRSV40	DS	X - RESERVED	ICB360 36043102
000145	000000			5428+CVTAPFA	DC	VL3(IEAVTEST) ADDRESS OF BRANCH ENTRY POINT IN	36044402
				5429+*		AUTHORIZED PROGRAM FACILITY (APF) ROUTINE	36045702
000148				5430+CVTEXT2	DS	0A - ADDRESS OF OS/VS1 - OS/VS2 COMMON	36047002
				5431+*		EXTENSION	ICB330 36047602
000148				5432+CVTRSV41	DS	XL1 - RESERVED	ICB330 36048302
000149	000000			5433+CVTEXT2A	DC	AL3(CVTXTNT2) SAME AS CVTEXT2 ABOVE	ICB330 36049602
00014C				5434+CVTHJES	DS	0A - SAME AS CVTHJESA BELOW	ICB454 36050902
00014C				5435+CVTRSV42	DS	X - RESERVED	ICB454 36052202
00014D	000000			5436+CVTHJESA	DC	AL3(0) - ADDRESS OF OPTIONAL JOB ENTRY SUBSYSTEM	36053502
				5437+*		(JES) COMMUNICATION VECTOR TABLE	ICB454 36054102
000150				5438+CVTRSV43	DS	H - RESERVED	36054802
000152				5439+CVTRSV44	DS	H - RESERVED	36056102
000154				5440+CVTRSV45	DS	F - RESERVED	36057402
000158				5441+CVTRSV46	DS	F - RESERVED	36058702
				5442+*			36133602
				5443+*		OS/VS2 OVERLAY	36133902
				5444+*			36134302
00015C	00000000			5445+CVTGETL	DC	A(0) - ADDRESS OF IKJGETL, TSO GET LINE ROUTINE	36134602
				5446+*		(MDC206)	YM2225 36135002
000160	00000000			5447+CVTLPSDR	DC	V(IEAVMSR) - ADDRESS OF LINK PACK AREA (LPA) DIRECTORY	36135702
				5448+*		SEARCH ROUTINE	36136402
000164	00000000			5449+CVTPVTP	DC	V(CSECPVT) - ADDRESS OF PAGE VECTOR TABLE	36137102
000168				5450+CVTLPDIA	DS	0A - ADDRESS OF LINK PACK AREA (LPA) DIRECTORY	36137802
				5451+*		(ON PAGE BOUNDARY)	36138102
000168				5452+CVTDIRST	DS	B - FLAG BYTE	36138502
		00080		5453+CVTDICOM	EQU	X'80' - LPA DIRECTORY HAS BEEN INITIALIZED BY NIP	36139202
		00040		5454+CVTRSV63	EQU	X'40',,C'X' - RESERVED	36139902
		00020		5455+CVTRSV64	EQU	X'20',,C'X' - RESERVED	36140602
		00010		5456+CVTRSV65	EQU	X'10',,C'X' - RESERVED	36141302
		00008		5457+CVTRSV66	EQU	X'08',,C'X' - RESERVED	36141702
		00004		5458+CVTRSV67	EQU	X'04',,C'X' - RESERVED	36142102

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
			00002	5459+CVTRSV68	EQU	X'02',,,C'X' - RESERVED	36143202
			00001	5460+CVTRSV69	EQU	X'01',,,C'X' - RESERVED	36143302
000169				5461+CVTLPPDIR	DS	AL3 - ADDRESS OF LINK PACK AREA (LPA) DIRECTORY	36144002
				5462+*		(ON PAGE BOUNDARY)	36144702
00016C	00000000			5463+CVTPSAD0	DC	V(IGFPSAD0) - PSA PROTECT DISABLE (MDC393) @ZA36872	36145364
000170	00000000			5464+CVTPSAE0	DC	V(IGFPSAE0) - PSA PROTECT ENABLE (MDC394) @ZA36872	36146264
000174				5465+CVTSLIDA	DS	0CL4 - IDENTITY OF TCB CAUSING SUPERVISOR LOCK	36148002
				5466+*		BYTE (CVTSYLK) TO BE SET OR IDENTITY OF	36148302
				5467+*		TCB THAT SECOND EXIT PROCESSING IS FOR	36148702
				5468+*		WHEN CVTSEIC=1	36149402
000174				5469+CVTSYLK	DS	C - SUPERVISOR LOCK. ONLY ENABLED TASKS MAY	36150102
				5470+*		BE DISPATCHED	36150802
		000FF		5471+CVTSYLKS	EQU	X'FF' - SET LOCK BYTE	36151502
		00000		5472+CVTSYLKR	EQU	X'00' - RESET LOCK BYTE	36152202
000175				5473+CVTSLID	DS	CL3 - SAME AS CVTSLIDA ABOVE	36152502
000178	00000000			5474+CVTRV322	DC	A(0) - RESERVED FOR FUTURE USE (MDC343) @Z40AQ9A	36152904
00017C	00000000			5475+CVTRV328	DC	A(0) - ** CVTSEG AND CVTSEGA FIELDS UNUSED IN	36154302
				5476+*		MVS ** (MDC139) @Z40AQ9A	36155004
000180	00000000			5477+CVTVLDWT	DC	V(IEEVLDWT) - ADDRESS OF STOP/RESTART INTERFACE ROUTINE	36155464
				5478+*		(MDC392) @G64UP9A	36155864
000184	01312D00			5479+CVTEXSLF	DC	F'20000000' - EXCESSIVE SPIN LENGTH FACTOR	36156764
				5480+*		(MDC385) @G64UP9A	36157164
000188	00000000			5481+CVTEXSNR	DC	V(IEEVEXSN) - ADDRESS OF EXCESSIVE SPIN NOTIFICATION	36157564
				5482+*		ROUTINE (MDC386) @G64UP9A	36157964
00018C	00			5483+CVTEXSNL	DC	XL1'00' - SERIALIZATION BYTE FOR EXCESSIVE SPIN	36158364
				5484+*		NOTIFICATION ROUTINE (MDC387) @G64UP9A	36158764
00018D				5485+CVTSPVLK	DS	FL1 - NUMBER OF TASKS WHICH HAVE TERMINATED	36159902
				5486+*		WHILE OWNING SUPERVISOR LOCK WITHOUT	36160202
				5487+*		OPERATOR HAVING YET BEEN NOTIFIED	36160602
00018E	00			5488+CVTCTLFG	DC	AL1(00) SYSTEM CONTROL FLAGS	36161302
		00080		5489+CVTRV323	EQU	X'80',,,C'X' - ** CVTPSIC BIT UNUSED IN MVS **	36162004
				5490+*		(MDC118) @Z40AQ9A	36162404
		00040		5491+CVTRV333	EQU	X'40',,,C'X' - ** CVTAPGB BIT UNUSED IN MVS **	36162804
				5492+*		(MDC151) @Z40AQ9A	36163204
		00020		5493+CVTRSV78	EQU	X'20',,,C'X' - RESERVED	36164402
		00010		5494+CVTDSTAT	EQU	X'10' - DEVSTAT OPTION IN EFFECT. DEVICE ADDRESS	36164802
				5495+*		FOR 2319, 3330, 2314, 3330-1, 3340 CAN	36165502
				5496+*		VARY ACROSS SYSTEMS MDC189	36166202
		00008		5497+CVTRSV79	EQU	X'08',,,C'X' - RESERVED	36166902
		00004		5498+CVTNOMP	EQU	X'04' - MULTIPROCESSING CODE IS NOT IN THE SYSTEM	36167602
				5499+*		MDC176	36168302
		00002		5500+CVTGTRCE	EQU	X'02' - GENERALIZED TRACE FACILITY (GTF) HAS	36169002
				5501+*		SUPPRESSED SUPERVISOR TRACE ICB446	36169302
		00001		5502+CVTSDTRC	EQU	X'01' - SVC DUMP HAS SUPPRESSED SUPERVISOR TRACE	36169702
				5503+*		ICB446	36170402
00018F	07			5504+CVTAPG	DC	FL1'7' - DISPATCHING PRIORITY OF AUTOMATIC PRIORITY	36171102
				5505+*		GROUP (APG) MDC152	36171802
000190	07FB			5506+CVTTRACE	BR	11 - BRANCH ON REGISTER INSTRUCTION. SET BY	36172502
				5507+*		NIP. REGISTER TEN FOR TRACE. REGISTER	36173202
				5508+*		ELEVEN FOR NO TRACE.	36173502
000192	07FB			5509+CVTTTRAC2	BR	11 - THIS ALLOWS FOR SUPPRESSING TRACE	36173902
				5510+*		DYNAMICALLY BY SETTING CONDITION CODE	36174602
				5511+*		MASK TO ZERO IN FIRST INSTRUCTION	36175302
				5512+*		(CVTTRACE)	36176002
000194	00000000			5513+CVTRSCN	DC	V(IEATRSCN) - ADDRESS OF ROUTINE TO SCAN TCB TREE	36176702

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
000198	000000000			5514+CVTTAS	DC	A(0) -	ADDRESS OF ROUTINE TO TRANSFER ADDRESS 36177402
				5515+*			SPACE YM2706 36177702
00019C	000000000			5516+CVTRV332	DC	A(0) -	** CVTPVALD FIELD UNUSED IN MVS ** 36178104
				5517+*			(MDC148) @Z40AQ9A 36178504
0001A0				5518+CVTSHRVM	DS	A -	LOWEST ADDRESS OF SHARED VIRTUAL STORAGE 36179502
				5519+*			AREA. THIS ADDRESS WILL BE THE BEGINNING 36180203
				5520+*			OF THE COMMON SERVICE AREA (CSA) 36180903
				5521+*			(MDC324) @Z30AQ9A 36182603
0001A4	000000000			5522+CVT0VL01	DC	V(IEA0VL01) -	ENTRY POINT ADDRESS OF VALIDITY CHECK 36183102
				5523+*			ROUTINE (IEA0VL01) USED TO COMPARE 36183602
				5524+*			PROTECT KEY OF AN ADDRESS WITH TCB 36184102
				5525+*			PROTECT KEY 36184602
0001A8	000000000			5526+CVTPPGMX	DC	V(IEAPPGMX) -	ADDRESS OF A BRANCH ENTRY POINT @ZA58427 36184903
				5527+*			TO PROGRAM MANAGER RESOURCE @ZA58427 36185203
				5528+*			MANAGEMENT ROUTINES @ZA58427 36185503
0001AC	000000000			5529+CVTRV325	DC	A(0) -	** CVTPFIXR FIELD UNUSED IN MVS ** 36185904
				5530+*			(MDC120) @Z40AQ9A 36186304
0001B0	000000000			5531+CVTRV326	DC	A(0) -	** CVTPFIXP FIELD UNUSED IN MVS ** 36186704
				5532+*			(MDC121) @Z40AQ9A 36187104
0001B4	000000000			5533+CVTASCRF	DC	A(0) -	CREATED ASCB QUEUE HEADER 36188104
				5534+*			(MDC337) @ZA04120 36188504
0001B8	000000000			5535+CVTASCRL	DC	A(0) -	CREATED ASCB QUEUE TRAILER 36188904
				5536+*			(MDC338) @ZA04120 36189304
0001BC	000000000			5537+CVTPUTL	DC	A(0) -	ADDRESS OF IKJPUTL, TSO PUT LINE ROUTINE 36190302
				5538+*			(MDC207) YM2225 36190602
0001C0	000000000			5539+CVTSRBRT	DC	V(IEAPDSRT) -	DISPATCHER RETURN ADDRESS FOR SRB ROUTINES 36191602
				5540+*			MDC130 36192102
0001C4	000000000			5541+CVTOLT0A	DC	V(IFDOLT0A) -	BRANCH ENTRY TO OLTEP MEMORY TERMINATION 36192602
				5542+*			RESOURCE MANAGER MDC129 36193102
0001C8	000000000			5543+CVTSMFEX	DC	V(IEASMFEX) -	BRANCH ENTRY TO SYSTEM MANAGEMENT 36193602
				5544+*			FACILITIES (SMF) EXCP COUNTING ROUTINE 36194102
				5545+*			FOR VAM WINDOW INTERCEPT MDC133 36194602
0001CC	000000000			5546+CVTCSPIE	DC	A(0) -	FOR CHECKPOINT/RESTART, BRANCH ENTRY TO 36195102
				5547+*			SPIE MDC149 36195602
0001D0	000000000			5548+CVTPTGT	DC	A(0) -	ADDRESS OF IKJPTGT, TSO PUTGET ROUTINE 36196102
				5549+*			(MDC208) YM2225 36215602
0001D4				5550+CVTIOSPL	DS	FL1 -	PRIORITY LEVEL OF I/O SUPERVISOR CHANNEL 36219102
				5551+*			SCHEDULER MDC019 36219602
0001D5				5552+CVTRV513	DS	XL1 -	RESERVED MDC165 36220102
0001D6	00			5553+CVTDSSAC	DC	XL1'00' -	DYNAMIC SUPPORT SYSTEM (DSS) ACTIVATED 36220602
				5554+*			FLAG - USED BY RESTART FLIH. IF X'00', 36223002
				5555+*			DSS NOT INITIALIZED. IF X'FF', DSS HAS 36223502
				5556+*			BEEN INITIALIZED. MDC163 36224002
0001D7				5557+CVTRV139	DS	XL1 -	RESERVED 36224502
0001D8	000000000			5558+CVTSTCK	DC	A(0) -	ADDRESS OF IKJSTCK, TSO STACK ROUTINE 36224702
				5559+*			(MDC209) YM2225 36225002
0001DC	0001			5560+CVTMAXMP	DC	H'1' -	FOR MEASUREMENT FACILITY (MF/1), MAXIMUM 36226502
				5561+*			PHYSICAL CPU ADDRESS SUPPORTED BY THIS 36227002
				5562+*			RELEASE MDC165 36227502
0001DE				5563+CVTRV144	DS	H -	RESERVED 36228002
0001E0	000000000			5564+CVTSCAN	DC	A(0) -	ADDRESS OF IKJSCAN, TSO SCAN ROUTINE 36228202
				5565+*			(MDC210) YM2225 36228502
0001E4				5566+CVTAUTHL	DS	A -	POINTER TO AUTHORIZED LIBRARY TABLE MDC001 36229502
0001E8	000000000			5567+CVTBLDCP	DC	V(IEAVBLDP) -	BRANCH ENTRY TO BUILD POOL MDC003 36230002
0001EC	000000000			5568+CVTGETCL	DC	V(IEAVGTCL) -	BRANCH ENTRY TO GET CELL MDC004 36231602

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
0001F0	00000000			5569+CVTFRECL	DC	V(IEAVFRCL) - BRANCH ENTRY TO FREE CELL	MDC005 36232502
0001F4	00000000			5570+CVTDELCP	DC	V(IEAVDELP) - BRANCH ENTRY TO DELETE POOL	MDC006 36232902
0001F8	00000000			5571+CVTCRMN	DC	V(CRBRANCH) - BRANCH ENTRY TO SVC 120 (GETMAIN/FREEMAIN	36233402
				5572+*		CRBRANCH)	MDC007 36234302
0001FC	00000000			5573+CVTCRAS	DC	V(IEAVGCAS) - BRANCH ENTRY TO 'CREATE ADDRESS SPACE'	36234702
				5574+*			MDC008 36235202
000200	00000000			5575+CVTQSAS	DC	V(IEAQSPET) - BRANCH ENTRY TO TASK TERMINATION	MDC009 36236102
000204	00000000			5576+CVTFRAS	DC	V(IEAVGFAS) - BRANCH ENTRY TO 'FREE ADDRESS SPACE'	36236502
				5577+*			MDC010 36237002
000208	00000000			5578+CVTS1EE	DC	V(IGC043BR) - BRANCH ENTRY TO STAGE 1 EXIT EFFECTOR	36238002
				5579+*			MDC011 36238602
00020C	00000000			5580+CVTPARS	DC	A(0) - ADDRESS OF IKJPARS, TSO PARSE ROUTINE	36238802
				5581+*		(MDC211)	YM2225 36239702
000210	00000000			5582+CVTQUIS	DC	V(IEAVAR02) - BRANCH ENTRY TO QUIESCE	MDC013 36240602
000214	00000000			5583+CVTSTXU	DC	A(0) - BRANCH ENTRY TO ATTENTION EXIT EPILOGUE	36241103
				5584+*		(MDC321)	@Z30HP9A 36241603
000218	00000000			5585+CVTOPT	DC	V(IRARMI00) - BRANCH ENTRY ADDRESS TO SYSEVENT	MDC015 36242102
00021C				5586+CVTSDRM	DS	A - BRANCH ENTRY ADDRESS OF THE RESOURCE	36242602
				5587+*		MANAGER ROUTINE FOR SVC DUMP. THIS	36243102
				5588+*		ROUTINE CAN BE INVOKED BY MEMORY	36243602
				5589+*		TERMINATION	MDC077 36244102
000220				5590+CVTIOSCS	DS	A - ENTRY POINT OF I/O SUPERVISOR CHANNEL	36244602
				5591+*		SCHEDULER	MDC018 36245102
000224	00000000			5592+CVTAQTOP	DC	V(IEFAQTOP) - POINTER TO AREA CONTAINING QUIESCE	36245602
				5593+*		DESCRIPTOR BLOCK (QDB'S) FOR DEVICE	36246102
				5594+*		ALLOCATION	MDC021 36246602
000228				5595+CVTVVMDI	DS	A - CONSTANT USED BY PAGED LINK PACK AREA	36247102
				5596+*		(LPA) DIRECTORY SEARCH ALGORITHM	MDC022 36247602
00022C				5597+CVTASVT	DS	A - POINTER TO ADDRESS SPACE VECTOR TABLE	36248102
				5598+*		(ASVT)	MDC070 36248602
000230				5599+CVTGDA	DS	A - POINTER TO GLOBAL DATA AREA (GDA) IN SQA	36249102
				5600+*			MDC024 36249602
000234	00000000			5601+CVTASCBH	DC	V(IEAMASCB) - POINTER TO HIGHEST PRIORITY ADDRESS SPACE	36250102
				5602+*		CONTROL BLOCK (ASCB) ON THE ASCB	36253002
				5603+*		DISPATCHING QUEUE (HEAD OF ASCB QUEUE)	36253502
				5604+*			MDC027 36253702
000238	00000000			5605+CVTASCBL	DC	V(IEAMASCB) - POINTER TO LOWEST PRIORITY ASCB ON THE	36254040
				5606+*		ASCB DISPATCHING QUEUE (MDC339)	@Z40WP9A 36254440
00023C				5607+CVTRTMCT	DS	A - POINTER TO RECOVERY/TERMINATION CONTROL	36255402
				5608+*		TABLE	MDC031 36255902
000240				5609+CVTSV60	DS	A - ADDRESS OF SVC 60 BRANCH ENTRY POINT	36256402
				5610+*		(MDC354)	@Z40FP9A 36256904
000244	00000000			5611+CVTSDMP	DC	V(IEAVTSDX) - ADDRESS OF SVC DUMP BRANCH ENTRY POINT	36257402
				5612+*			MDC033 36257902
000248	00000000			5613+CVTSCBP	DC	V(IEAVTSBP) - ADDRESS OF SCB PURGE RESOURCE MANAGER	36258402
				5614+*			MDC034 36258902
00024C	80000000			5615+CVTSDBF	DC	X'80000000' - ADDRESS OF 4K SQA BUFFER USED BY SVC	36259402
				5616+*		DUMP. HIGH-ORDER BIT OF THIS CVT WORD	36260702
				5617+*		IS USED AS LOCK TO INDICATE BUFFER IS	36261402
				5618+*		IN USE	MDC035 36261902
000250	00000000			5619+CVTRTMS	DC	A(0) - ADDRESS OF SERVICABILITY LEVEL INDICATOR	36262141
				5620+*		PROCESSING (SLIP) HEADER (MDC358)	@G17SP9A 36262441
000254				5621+CVTTPIOS	DS	A - ADDRESS OF THE TELEPROCESSING I/O	36263402
				5622+*		SUPERVISOR ROUTINE (TPIOS)	MDC078 36263902
000258				5623+CVTSIC	DS	A - BRANCH ADDRESS OF THE ROUTINE TO SCHEDULE	36264402

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				5624+*	SYSTEM INITIALIZED CANCEL	MDC042 36264902
00025C	00000000			5625+CVTOPCTP DC	V(IRARMCNS) - ADDRESS OF SYSTEM RESOURCES MANAGER (SRM)	36265402
				5626+*	CONTROL TABLE	MDC043 36265902
000260	00000000			5627+CVTEXPRO DC	V(IEAVEXPR) - ADDRESS OF EXIT PROLOGUE/TYPE 1 EXIT	36266402
				5628+*		MDC044 36266902
000264	00000000			5629+CVTGSMQ DC	V(IEAGSMQ) - ADDRESS OF GLOBAL SERVICE MANAGER QUEUE	36267402
				5630+*		MDC045 36267902
000268	00000000			5631+CVTLSTMQ DC	V(IEALSMQ) - ADDRESS OF LOCAL SERVICE MANAGER QUEUE	36268402
				5632+*		MDC046 36268902
00026C	00000000			5633+CVTGSPPL DC	V(IEAGSPL) - ADDRESS OF GLOBAL SYSTEM PRIORITY LIST	36269402
				5634+*	QUEUE	MDC047 36269902
000270	00000000			5635+CVTVWAIT DC	V(IEAVWAIT) - ADDRESS OF WAIT ROUTINE	MDC048 36270402
000274	00000000			5636+CVTPARRL DC	V(IEAPPGMA) - ADDRESS OF PARTIALLY LOADED DELETE QUEUE	36270902
				5637+*		MDC049 36271402
000278				5638+CVTAPFT DS	A - ADDRESS OF AUTHORIZED PROGRAM FACILITY	36271902
				5639+*	(APF) TABLE. INITIALIZED BY NIP.	MDC050 36272402
00027C	00000000			5640+CVTQCS01 DC	V(IEAQCS01) - BRANCH ENTRY ADDRESS TO PROGRAM MANAGER	36272902
				5641+*	USED BY ATTACH	MDC051 36273402
000280				5642+CVTFQCB DS	A - POINTER TO FIRST MAJOR QCB FOR ENQ	MDC052 36273902
000284				5643+CVTLQCB DS	A - POINTER TO LAST MAJOR QCB FOR ENQ	MDC053 36277002
000288	00000000			5644+CVTRENQ DC	V(IEAVENQ2) - RESOURCE MANAGER ADDRESS FOR ENQ	MDC054 36277602
00028C	00000000			5645+CVTRSPIE DC	A(0) - RESOURCE MANAGER FOR SPIE	MDC055 36278202
000290	00000000			5646+CVTLKRMA DC	V(IEAVELRM) - RESOURCE MANAGER ADDRESS FOR LOCK MANAGER	36278802
				5647+*		MDC056 36279402
000294				5648+CVTCSD DS	A - VIRTUAL ADDRESS OF COMMON SYSTEM DATA AREA	36280002
				5649+*	(CSD). INITIALIZED BY NIP.	MDC057 36280602
000298	00000000			5650+CVTDQIQE DC	V(IEADQIQE) - RESOURCE MANAGER FOR EXIT EFFECTORS	MDC058 36281202
00029C	00000000			5651+CVTRPOST DC	V(IEARPOST) - RESOURCE MANAGER FOR POST	MDC059 36281802
0002A0	00000000			5652+CVT062R1 DC	V(IGC062R1) - BRANCH ENTRY TO DETACH	MDC060 36282402
0002A4	00000000			5653+CVTVEAC0 DC	V(IEAVEAC0) - ASCBCHAP BRANCH ENTRY	MDC061 36283002
0002A8	00000000			5654+CVTGLMN DC	V(GLBRANCH) - GLOBAL BRANCH ENTRY ADDRESS FOR	36283602
				5655+*	GETMAIN/FREEMAIN	MDC062 36284202
0002AC	00000000			5656+CVTSPSA DC	V(IEAVGWSA) - POINTER TO GLOBAL WORK/SAVE AREA VECTOR	36284802
				5657+*	TABLE (WSAG)	MDC071 36285402
0002B0	00000000			5658+CVTWSAL DC	V(IEAVWSAL) - ADDRESS OF TABLE OF LENGTHS OF LOCAL	36286002
				5659+*	WORK/SAVE AREAS	MDC072 36286602
0002B4	00000000			5660+CVTWSAG DC	V(IEAVWSAG) - ADDRESS OF TABLE OF LENGTHS OF GLOBAL	36286964
				5661+*	WORK/SAVE AREAS (MDC391) @G64UP9A	36287464
0002B8	00000000			5662+CVTWSAC DC	V(IEAVWSAC) - ADDRESS OF TABLE OF LENGTHS OF CPU	36288402
				5663+*	WORK/SAVE AREAS	MDC074 36289002
0002BC	00000000			5664+CVTRECRQ DC	V(IEAVTRER) - ADDRESS OF THE RECORDING REQUEST FACILITY	36289602
				5665+*	(PART OF RTM1 - CALLED BY RTM2 AND RMS)	36290202
				5666+*		MDC075 36290802
0002C0	00000000			5667+CVTASMTV DC	V(ASMTV) - POINTER TO AUXILIARY STORAGE MANAGEMENT	36291440
				5668+*	VECTOR TABLE (AMVT) (MDC340) @Z40WP9A	36291840
0002C4	00000000			5669+CVTIOBP DC	V(IDA121CV) - ADDRESS OF THE BLOCK PROCESSOR CVT	36292602
				5670+*	(MDC079)	YM0029 36293202
0002C8	00000000			5671+CVTSPPOST DC	V(IEASPOST) - POST RESOURCE MANAGER TERMINATION ROUTINE	36293802
				5672+*	(RMTR) ENTRY POINT	MDC085 36294402
0002CC	00000000			5673+CVTRSTWD DC	F'0' - RESTART RESOURCE MANAGEMENT WORD -	36295002
				5674+*	CONTAINS IDENTIFIER OF USER IF RESTART IS	36295602
				5675+*	IN USE. OTHERWISE, ZERO.	MDC161 36296202
0002D0	00000000			5676+CVTFETCH DC	V(IEWMSEPT) - ADDRESS OF ENTRY POINT FOR BASIC FETCH	36296802
				5677+*		MDC196 36297402
0002D4	00000000			5678+CVT044R2 DC	V(IGC044R2) - ADDRESS OF IGC044R2 IN CHAP SERVICE	36298002

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				5679+*	ROUTINE	MDC197 36298602
0002D8	00000000			5680+CVTPERFM DC	A(0) - ADDRESS OF THE PERFORMANCE WORK AREA.	36299202
				5681+*	SET BY IGX00018.	MDC205 36301002
0002DC	00000000			5682+CVTDAIR DC	A(0) - ADDRESS OF IKJDAIR, TSO DYNAMIC	36301302
				5683+*	ALLOCATION INTERFACE ROUTINE (MDC212)	36301602
				5684+*		YM2225 36302202
0002E0	00000000			5685+CVTEHDEF DC	A(0) - ADDRESS OF IKJEHDEF, TSO DEFAULT SERVICE	36302502
				5686+*	ROUTINE (MDC213)	YM2225 36302802
0002E4	00000000			5687+CVTEHCIR DC	A(0) - ADDRESS OF IKJEHCIR, TSO CATALOG	36303402
				5688+*	INFORMATION ROUTINE (MDC214)	YM2225 36304302
0002E8				5689+CVTSSAP DS	A - ADDRESS OF SYSTEM SAVE AREA	MDC063 36305202
0002EC				5690+CVTAIDVT DS	A - POINTER TO APPENDAGE ID VECTOR TABLE	36305802
				5691+*		MDC064 36306402
0002F0	00000000			5692+CVTIPCDS DC	V(IEAVEDR) - BRANCH ENTRY FOR DIRECT SIGNAL	36307002
				5693+*	SERVICE ROUTINE	MDC065 36307602
0002F4	00000000			5694+CVTIPCRI DC	V(IEAVERI) - BRANCH ENTRY FOR REMOTE IMMEDIATE	36308202
				5695+*	SIGNAL SERVICE ROUTINE	MDC066 36308802
0002F8	00000000			5696+CVTIPCRP DC	V(IEAVERP) - BRANCH ENTRY FOR REMOTE PENDABLE	36309402
				5697+*	SIGNAL SERVICE ROUTINE	MDC067 36310002
0002FC				5698+CVTPCCAT DS	A - POINTER TO PHYSICAL CCA VECTOR TABLE	36310602
				5699+*		MDC068 36311202
000300				5700+CVTLCCAT DS	A - POINTER TO LOGICAL CCA VECTOR TABLE	MDC069 36311802
000304				5701+CVTRV210 DS	B - RESERVED	36312402
		00080		5702+CVTRV211 EQU	X'80',,,C'X' - RESERVED	36313002
		00040		5703+CVTRV212 EQU	X'40',,,C'X' - RESERVED	36313602
		00020		5704+CVTRV213 EQU	X'20',,,C'X' - RESERVED	36314202
		00010		5705+CVTRV214 EQU	X'10',,,C'X' - RESERVED	36314802
		00008		5706+CVTRV215 EQU	X'08',,,C'X' - RESERVED	36315402
		00004		5707+CVTRV216 EQU	X'04',,,C'X' - RESERVED	36316002
		00002		5708+CVTRV217 EQU	X'02',,,C'X' - RESERVED	36316602
		00001		5709+CVTRV218 EQU	X'01',,,C'X' - RESERVED	36317202
000305				5710+CVTRV219 DS	B - RESERVED	36317802
		00080		5711+CVTRV220 EQU	X'80',,,C'X' - RESERVED	36318402
		00040		5712+CVTRV221 EQU	X'40',,,C'X' - RESERVED	36319002
		00020		5713+CVTRV222 EQU	X'20',,,C'X' - RESERVED	36319602
		00010		5714+CVTRV223 EQU	X'10',,,C'X' - RESERVED	36320202
		00008		5715+CVTRV224 EQU	X'08',,,C'X' - RESERVED	36320802
		00004		5716+CVTRV225 EQU	X'04',,,C'X' - RESERVED	36321402
		00002		5717+CVTRV226 EQU	X'02',,,C'X' - RESERVED	36322002
		00001		5718+CVTRV227 EQU	X'01',,,C'X' - RESERVED	36322602
000306				5719+CVTRV228 DS	B - RESERVED	36323202
		00080		5720+CVTRV229 EQU	X'80',,,C'X' - RESERVED	36323802
		00040		5721+CVTRV230 EQU	X'40',,,C'X' - RESERVED	36324402
		00020		5722+CVTRV231 EQU	X'20',,,C'X' - RESERVED	36325002
		00010		5723+CVTRV232 EQU	X'10',,,C'X' - RESERVED	36325602
		00008		5724+CVTRV233 EQU	X'08',,,C'X' - RESERVED	36326202
		00004		5725+CVTRV234 EQU	X'04',,,C'X' - RESERVED	36326802
		00002		5726+CVTRV235 EQU	X'02',,,C'X' - RESERVED	36327402
		00001		5727+CVTRV236 EQU	X'01',,,C'X' - RESERVED	36328002
000307				5728+CVTRV237 DS	B - RESERVED	36328602
		00080		5729+CVTRV238 EQU	X'80',,,C'X' - RESERVED	36329202
		00040		5730+CVTRV239 EQU	X'40',,,C'X' - RESERVED	36329802
		00020		5731+CVTRV240 EQU	X'20',,,C'X' - RESERVED	36330402
		00010		5732+CVTRV241 EQU	X'10',,,C'X' - RESERVED	36331002
		00008		5733+CVTRV242 EQU	X'08',,,C'X' - RESERVED	36331602

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			00004	5734+CVTRV243	EQU	X'04' , , C'X' - RESERVED	36332202
			00002	5735+CVTRV244	EQU	X'02' , , C'X' - RESERVED	36332802
			00001	5736+CVTRV245	EQU	X'01' , , C'X' - RESERVED	36333402
000308				5737+CVTRV246	DS	XL1 - RESERVED	36334002
000309				5738+CVTRV247	DS	XL1 - RESERVED	36334602
00030A				5739+CVTRV248	DS	XL1 - RESERVED	36335202
00030B				5740+CVTRV249	DS	XL1 - RESERVED	36335802
00030C				5741+CVTRV250	DS	XL1 - RESERVED	36336402
00030D				5742+CVTRV251	DS	XL1 - RESERVED	36337002
00030E				5743+CVTRV252	DS	AL2 - RESERVED	36337602
000310				5744+CVTRV253	DS	H - RESERVED	36338202
000312				5745+CVTRV254	DS	H - RESERVED	36338802
000314	00000000			5746+CVTPWI	DC	A(0) - ADDRESS OF THE WINDOW INTERCEPT ROUTINE	36339402
				5747+*		(MDC104) YM4043	36340002
000318	00000000			5748+CVTPVBP	DC	A(0) - ADDRESS OF THE VIRTUAL BLOCK PROCESSOR	36340602
				5749+*		(MDC105) YM4043	36341202
00031C	00000000			5750+CVTMFCTL	DC	A(0) - POINTER TO MEASUREMENT FACILITY CONTROL	36341802
				5751+*		BLOCK MDC100	36342402
000320	00000052			5752+CVTMFRTR	DC	A(CVTBRET) - IF MEASUREMENT FACILITY IS ACTIVE,	36343002
				5753+*		CONTAINS ADDRESS OF MEASUREMENT FACILITY	36343602
				5754+*		ROUTINE. OTHERWISE, ADDRESS OF CVTBRET.	36344202
				5755+*		MDC101	36344802
		00080		5756+CVTMFACT	EQU	X'80' - IF ONE, I/O SUPERVISOR AND TIMER SECOND	36345402
				5757+*		LEVEL INTERRUPT HANDLER HOOKS BRANCH	36345802
				5758+*		TO MEASUREMENT FACILITY ROUTER. USED TO	36346002
				5759+*		SET HIGH-ORDER BIT OF CVTMFRTR. MDC102	36346602
000324	00000000			5760+CVTVPSIB	DC	V(IEAVPSIB) - BRANCH ENTRY TO PAGE SERVICES	MDC108 36347202
000328	00000000			5761+CVTVSI	DC	V(IEAVAMSI) - BRANCH ENTRY TO VAM SERVICES	MDC109 36347802
00032C	00000000			5762+CVTVFP	DC	V(IEAVFP1) - BRANCH ENTRY TO FINDPAGE	MDC110 36348402
000330				5763+CVTRV262	DS	B - RESERVED	36349002
		00080		5764+CVTRV263	EQU	X'80' , , C'X' - RESERVED	36349602
		00040		5765+CVTRV264	EQU	X'40' , , C'X' - RESERVED	36350202
		00020		5766+CVTRV265	EQU	X'20' , , C'X' - RESERVED	36350802
		00010		5767+CVTRV266	EQU	X'10' , , C'X' - RESERVED	36351402
		00008		5768+CVTRV267	EQU	X'08' , , C'X' - RESERVED	36352002
		00004		5769+CVTRV268	EQU	X'04' , , C'X' - RESERVED	36352602
		00002		5770+CVTRV269	EQU	X'02' , , C'X' - RESERVED	36353202
		00001		5771+CVTRV270	EQU	X'01' , , C'X' - RESERVED	36353802
000331				5772+CVTRV271	DS	B - RESERVED	36354402
		00080		5773+CVTRV272	EQU	X'80' , , C'X' - RESERVED	36355002
		00040		5774+CVTRV273	EQU	X'40' , , C'X' - RESERVED	36355602
		00020		5775+CVTRV274	EQU	X'20' , , C'X' - RESERVED	36356202
		00010		5776+CVTRV275	EQU	X'10' , , C'X' - RESERVED	36356802
		00008		5777+CVTRV276	EQU	X'08' , , C'X' - RESERVED	36357402
		00004		5778+CVTRV277	EQU	X'04' , , C'X' - RESERVED	36358002
		00002		5779+CVTRV278	EQU	X'02' , , C'X' - RESERVED	36358602
		00001		5780+CVTRV279	EQU	X'01' , , C'X' - RESERVED	36359202
000332				5781+CVTRV280	DS	B - RESERVED	36359802
		00080		5782+CVTRV281	EQU	X'80' , , C'X' - RESERVED	36360402
		00040		5783+CVTRV282	EQU	X'40' , , C'X' - RESERVED	36361002
		00020		5784+CVTRV283	EQU	X'20' , , C'X' - RESERVED	36361602
		00010		5785+CVTRV284	EQU	X'10' , , C'X' - RESERVED	36362202
		00008		5786+CVTRV285	EQU	X'08' , , C'X' - RESERVED	36362802
		00004		5787+CVTRV286	EQU	X'04' , , C'X' - RESERVED	36363402
		00002		5788+CVTRV287	EQU	X'02' , , C'X' - RESERVED	36364002

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			00001	5789+CVTRV288	EQU	X'01',,,C'X' - RESERVED	36364602
000333				5790+CVTRV289	DS	B - RESERVED	36365202
			00080	5791+CVTRV290	EQU	X'80',,,C'X' - RESERVED	36365802
			00040	5792+CVTRV291	EQU	X'40',,,C'X' - RESERVED	36366402
			00020	5793+CVTRV292	EQU	X'20',,,C'X' - RESERVED	36367002
			00010	5794+CVTRV293	EQU	X'10',,,C'X' - RESERVED	36367602
			00008	5795+CVTRV294	EQU	X'08',,,C'X' - RESERVED	36368202
			00004	5796+CVTRV295	EQU	X'04',,,C'X' - RESERVED	36368802
			00002	5797+CVTRV296	EQU	X'02',,,C'X' - RESERVED	36369402
			00001	5798+CVTRV297	EQU	X'01',,,C'X' - RESERVED	36370002
000334	000000000			5799+CVTTRCA	DC	A(0) - ADDRESS OF TRACE TABLE HEADER	36370603
				5800+*		(MDC327) @ZA02352	36372403
000338				5801+CVTRV302	DS	AL2 - RESERVED	36373002
00033A				5802+CVTRV303	DS	AL2 - RESERVED	36373602
00033C				5803+CVTRV304	DS	H - RESERVED	36374202
00033E				5804+CVTRV305	DS	H - RESERVED	36374802
000340				5805+CVTRV306	DS	H - RESERVED	36375402
000342				5806+CVTRV307	DS	H - RESERVED	36376002
000344	000000000			5807+CVTVIOP	DC	V(IEAVPIOP) - ENTRY POINT OF PAGE I/O POST	MDC111 36376602
000348	000000000			5808+CVTRMBR	DC	V(RMBRANCH) - ADDRESS OF REGMAIN BRANCH ENTRY	MDC123 36377202
00034C	000000000			5809+CVTLFRM	DC	V(FMBRANCH) - LIST FORMAT FREEMAIN BRANCH ENTRY POINT	MDC124 36377802
				5810+*			36378402
000350	000000000			5811+CVTGMBR	DC	V(GMBRANCH) - LIST FORMAT GETMAIN BRANCH ENTRY POINT	MDC125 36379002
				5812+*			36379602
000354	000000000			5813+CVT0TC0A	DC	A(0) - ADDRESS OF TASK CLOSE MODULE IFG0TC0A	MDC128 36380202
				5814+*			36380802
000358	000000000			5815+CVTRLSTG	DC	F'0' - SIZE OF ACTUAL REAL STORAGE ONLINE AT	MDC153 36381402
				5816+*		IPL TIME IN 'K'. VALUE PLACED HERE BY	36382002
				5817+*		IEAVNIPO.	36382602
00035C	000000000			5818+CVTSPFRR	DC	V(IEAVESPR) - 'SUPER FRR' ADDRESS (ADDRESS OF FUNCTIONAL	MDC154 36383202
				5819+*		RECOVERY ROUTINE ESTABLISHED AT NIPO TIME	36383602
				5820+*		TO PROTECT SUPERVISOR CONTROL PROGRAM)	36383802
				5821+*			36384402
000360	000000000			5822+CVTVEMS0	DC	V(IEAVEMS0) - ADDRESS OF MEMORY SWITCH ROUTINE	MDC155 36385002
000364	000000000			5823+CVTJRECM	DC	A(0) - ADDRESS OF SUBSYSTEM INTERFACE RESOURCE	MDC157 36385602
				5824+*		MANAGER	36386202
000368	000000000			5825+CVTIRECM	DC	A(0) - ADDRESS OF INITIATOR RESOURCE MANAGER	MDC158 36386802
				5826+*			36387402
00036C	000000000			5827+CVTDARCM	DC	A(0) - ADDRESS OF DEVICE ALLOCATION RESOURCE	MDC159 36388002
				5828+*		MANAGER	36388602
000370	000000000			5829+CVT0PT02	DC	V(IEA0PT02) - ADDRESS OF POST ENTRY POINT IEA0PT02	MDC160 36389202
				5830+*			36389802
000374	000000000			5831+CVTSTPRS	DC	V(IEESTPRS) - ENTRY POINT OF STOP AND RESTART	MDC162 36390402
				5832+*		SUBROUTINE	36391002
000378	000000000			5833+CVTWTCB	DC	V(IEAWTCB) - ADDRESS OF WAIT STATE TCB	MDC164 36391602
00037C	000000000			5834+CVTVACR	DC	A(0) - ACR/VARY CPU CHANNEL RECOVERY ROUTINE	36393602
				5835+*		ADDRESS. ADDRESS FILLED IN BY VARY CPU	MDC178 36394002
				5836+*		PROCESSOR.	36394402
000380	000000000			5837+CVTQUIT	DC	A(0) - VARY CPU SHUTDOWN ROUTINE ADDRESS.	MDC179 36394802
				5838+*		ADDRESS FILLED IN BY VARY CPU PROCESSOR.	36394902
				5839+*			36395002
000384	000000000			5840+CVTGTFR8	DC	V(AHLVCCR8) - GENERALIZED TRACE FACILITY (GTF) CONTROL	36395102
				5841+*		REGISTER 8 INITIALIZATION ROUTINE ADDRESS	36396502
				5842+*			MDC180 36398502
000388	000000000			5843+CVTVSTOP	DC	V(IEEVSTOP) - ADDRESS OF VARY CPU STOP CPU ROUTINE	36401202

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				5844+*		MDC169 36402602
00038C	00000000			5845+CVTVPSA DC	A(0) - ADDRESS OF COPY OF SYSGEN'ED PSA - PLACED	36404002
				5846+*	HERE BY NIP	MDC170 36405402
000390	00000000			5847+CVTRMPTT DC	A(0) - ADDRESS OF ISTRAMA1, THE VTAM RESOURCE	36406803
				5848+*	MANAGER FOR NORMAL AND ABNORMAL TASK	36407803
				5849+*	TERMINATION (MDC322) @Z30AP9A	36408803
000394	00000000			5850+CVTRMPMT DC	A(0) - ADDRESS OF ISTRAMA2, THE VTAM RESOURCE	36409803
				5851+*	MANAGER FOR NORMAL AND ABNORMAL MEMORY	36410803
				5852+*	TERMINATION (MDC323) @Z30AP9A	36411803
000398	00000000			5853+CVTEXP1 DC	V(IEAVEXP1) - ADDRESS OF EXIT PROLOGUE WHICH RETURNS TO	36415202
				5854+*	THE DISPATCHER	MDC173 36416602
00039C	00000000			5855+CVTCSDRL DC	A(0) - REAL ADDRESS OF COMMON SYSTEM DATA AREA	36418002
				5856+*	(CSD). INITIALIZED BY NIP.	MDC174 36419402
0003A0	00000000			5857+CVTSSRB DC	V(IGC07903) - STATUS STOP SRB ENTRY	MDC175 36420802
0003A4	00000000			5858+CVTRPT DC	A(0) - ADDRESS OF IGARPT01 MODULE OF RADIX	36422202
				5859+*	PARTITION TREE SERVICES. INITIALIZED	36423602
				5860+*	BY NIP.	MDC177 36425002
0003A8	00000000			5861+CVTQV1 DC	V(IEAVEQV1) - ADDRESS OF QUEUE VERIFICATION FOR SINGLE	36427002
				5862+*	THREADED QUEUES WITH HEADERS ONLY	MDC181 36429002
0003AC	00000000			5863+CVTQV2 DC	V(IEAVEQV2) - ADDRESS OF QUEUE VERIFICATION FOR SINGLE	36431002
				5864+*	THREADED QUEUES WITH HEADER AND TRAILER	36433002
				5865+*		MDC182 36433102
0003B0	00000000			5866+CVTQV3 DC	V(IEAVEQV3) - ADDRESS OF QUEUE VERIFICATION FOR DOUBLE	36433202
				5867+*	THREADED QUEUES	MDC183 36433302
0003B4	00000000			5868+CVTGSDA DC	F'0' - ADDRESS OF GLOBAL SYSTEM DUPLEX AREA.	36434802
				5869+*	ADDRESS FILLED IN BY NIP0.	MDC184 36436802
		00080		5870+CVTGSDAB EQU	X'80' - IF HIGH-ORDER BIT IS ONE, THERE IS A VALID	36438802
				5871+*	VALUE IN FOLLOWING 31 BITS	MDC185 36438902
0003B8	00000000			5872+CVTADV DC	V(IEAVEADV) - ADDRESS OF ADDRESS VERIFICATION ROUTINE	36439402
				5873+*		MDC186 36439802
0003BC	00000000			5874+CVTTPIO DC	V(IGC124) - ADDRESS OF VTAM TPIO (SVC 124) ROUTINE	36440002
				5875+*		MDC193 36440202
0003C0	00000000			5876+CVTCRCA DC	A(0) - WHEN CHANNEL RECONFIGURATION HARDWARE	36440303
				5877+*	(CRH) IS ACTIVE, ADDRESS OF CRH	36441303
				5878+*	COMMUNICATION AREA IECVCRCA.	36442303
				5879+*	OTHERWISE, ZERO. (MDC306) @Z30CQ9A	36443303
0003C4	00000000			5880+CVTEVENT DC	V(IEAVEVT0) - BRANCH ENTRY ADDRESS TO EVENTS (FAST	36445103
				5881+*	MULTIPLE WAIT ROUTINE) (MDC316) @Z30HP9A	36445203
0003C8	00000000			5882+CVTSSCR DC	A(0) - ADDRESS OF STORAGE SYSTEM CONTROLLER	36446003
				5883+*	RECOVERY MANAGER CLEANUP ROUTINE	36446803
				5884+*	(SSC RMCR) (MDC319) @Z30LP9A	36447603
0003CC	00000000			5885+CVTCBBR DC	V(CBBRANCH) - BRANCH ENTRY ADDRESS TO GETMAIN/FREEMAIN	36449603
				5886+*	(MDC325) @Z30EN9A	36449803
0003D0	00000000			5887+CVTEFF02 DC	A(0) - ADDRESS OF IKJEFF02, TSO MESSAGE ISSUER	36450003
				5888+*	SERVICE ROUTINE (MDC326) @ZM30972	36450203
0003D4	00000000			5889+CVTRV604 DC	A(0) - RESERVED (MDC307) @Z30AQ9A	36450603
0003D8	00000000			5890+CVTRV605 DC	A(0) - RESERVED (MDC307) @Z30AQ9A	36451603
0003DC	00000000			5891+CVTHSM DC	A(0) - POINTER TO HIERARCHICAL STORAGE MANAGER	36452641
				5892+*	(HSM) QUEUE CONTROL TABLE	36452741
				5893+*	(MDC375) @ZA27771	36452841
0003E0	00000000			5894+CVTRAC DC	A(0) - ADDRESS OF ACCESS CONTROL CVT	36453441
				5895+*	(MDC320) @Z40RP9A	36453540
0003E4	00000000			5896+CVTCGK DC	V(IEAVCKEY) - ADDRESS OF ROUTINE USED TO CHANGE THE KEY	36454604
				5897+*	OF VIRTUAL PAGES (MDC331) @Z40EP9A	36455604
0003E8	00000000			5898+CVTRV609 DC	A(0) - RESERVED (MDC332) @Z40AQ9A	36455804

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0003EC	00000000			5899+CVT0PT0E	DC	V(IEA0PT0E) - ENTRY POINT TO IDENTIFY POST EXIT ROUTINES	36459604
				5900+*		(MDC334) @Z40EP9A	36460604
0003F0	00000000			5901+CVT0PT03	DC	V(IEA0PT03) - POST REINVOCAION ENTRY POINT FROM POST	36461604
				5902+*		EXIT ROUTINES (MDC335) @Z40EP9A	36462604
0003F4	00000000			5903+CVTTCASP	DC	A(0) - RESERVED FOR FUTURE USE (MDC336) @Z40DQ9A	36466604
0003F8	00000000			5904+CVTASMRM	DC	V(ILRTERMR) - ADDRESS OF AUXILIARY STORAGE MANAGEMENT	36470640
				5905+*		RESOURCE MANAGER FOR ADDRESS SPACE	36470840
				5906+*		TERMINATION (MDC341) @Z40WP9A	36471040
0003FC	00000000			5907+CVTJTERM	DC	V(ILRJTERM) - ADDRESS OF AUXILIARY STORAGE MANAGEMENT	36471640
				5908+*		JOB TERMINATION RESOURCE MANAGER	36472140
				5909+*		(MDC342) @Z40WP9A	36472640
000400	00000000			5910+CVTRSUME	DC	V(IEAVRSME) - ADDRESS OF RESUME FUNCTION	36473640
				5911+*		(MDC344) @Z40FP9A	36474240
000404	00000000			5912+CVTTCTL	DC	V(IEAVTCTL) - ADDRESS OF TRANSFER CONTROL (TCTL)	36475640
				5913+*		FUNCTION (MDC345) @Z40FP9A	36476240
000408	00000000			5914+CVTCDAL	DC	A(0) - ADDRESS OF COMMON DISPATCHER ACTIVE LIST	36477640
				5915+*		(MDC346) @Z40FP9A	36478240
00040C	00000000			5916+CVTT6SVC	DC	V(IEAVET6E) - ENTRY POINT ADDRESS FOR TYPE 6 SVC EXIT	36479640
				5917+*		FUNCTION (MDC347) @Z40FP9A	36480240
000410	00000000			5918+CVTSUSP	DC	V(IEAVSPND) - ADDRESS OF SUSPEND ROUTINE	36481640
				5919+*		(MDC348) @Z40FP9A	36482540
000414	00000000			5920+CVTIHASU	DC	V(IEAIHASU) - ADDRESS OF BIT STRING (MDC355) @Z404P9A	36484504
000418	00000000			5921+CVTVDCCR	DC	V(IEEVDCCR) - ADDRESS OF DISABLED CONSOLE COMMUNICATION	36486564
				5922+*		ROUTINE (IEEVDCCR) (MDC384) @G64UP9A	36487164
00041C	00000000			5923+CVTCST	DC	A(0) - ADDRESS OF CHANNEL SET TABLE (CST)	36488564
				5924+*		(MDC377) @G64AP9A	36489164
000420	00000000			5925+CVTRV623	DC	A(0) - RESERVED (MDC307) @Z30AQ9A	36490504
000424	00000000			5926+CVTRV624	DC	A(0) - RESERVED (MDC307) @Z30AQ9A	36493504
000428	00000000			5927+CVTRV625	DC	A(0) - RESERVED (MDC307) @Z30AQ9A	36496504
00042C	00000000			5928+CVTRV626	DC	A(0) - RESERVED (MDC307) @Z30AQ9A	36497504
000430	00000000			5929+CVTRV627	DC	A(0) - RESERVED (MDC307) @Z30AQ9A	36500504
000434	00000000			5930+CVTRV628	DC	A(0) - RESERVED (MDC307) @Z30AQ9A	36501504
				5931+*			36506504
				5932+*		OS - OS/VS COMMON EXTENSION	36508504
				5933+*		ADDRESS OF EXTENSION IS IN CVTEXT1	36510504
				5934+*			36512504
000000				5935+CVTXTNT1	DSECT		36517504
000000	00000000			5936+CVTFACHN	DC	A(0) - ADDRESS OF CHAIN OF DCB FIELD AREAS	36528004
				5937+*		(ISAM) ICB421	36530004
000004				5938+CVTRSV87	DS	F - RESERVED	36532004
000008				5939+CVTRSV88	DS	F - RESERVED	36534004
				5940+*			36536004
				5941+*		OS/VS1 - OS/VS2 COMMON EXTENSION	36538004
				5942+*		ADDRESS OF EXTENSION IS IN CVTEXT2	36540004
				5943+*			36542004
000000				5944+CVTXTNT2	DSECT		36546004
000000				5945+CVTDSSV	DS	0A - ADDRESS OF THE DYNAMIC SUPPORT SYSTEM	36556004
				5946+*		(DSS) VECTOR TABLE ICB313	36558004
000000				5947+CVTRSV89	DS	XL1 - RESERVED ICB313	36560004
000001	000000			5948+CVTDSSVA	DC	VL3(IQADSV00) ADDRESS OF THE DYNAMIC SUPPORT SYSTEM	36562004
				5949+*		(DSS) VECTOR TABLE ICB393	36564004
000004				5950+CVTNUCLS	DS	C - IDENTIFICATION OF THE NUCLEUS MEMBER	36566004
				5951+*		NAME ICB322	36574001
000005	00			5952+CVTFLGBT	DC	XL1'00' - FLAG BYTE (OS/VS1) (MDC301) @X04EP9A	36584003
		00080		5953+CVTNPE	EQU	X'80' - INDICATES NON-PAGING ENVIRONMENT (VM	36590003

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
				5954+*		HANDSHAKING) (OS/VS1) (MDC302) @X04EP9A	36596003
		00040		5955+CVTVME EQU	X'40' -	INDICATES MACHINE IS OPERATING IN VM	36602003
				5956+*		ENVIRONMENT (OS/VS1) (MDC303) @X04EP9A	36608003
		00020		5957+CVTBAH EQU	X'20' -	INDICATES THAT THE VM/370 - OS/VS1 BTAM	36611006
				5958+*		AUTOPOLL HANDSHAKE IS OPERATIONAL	36614006
				5959+*		(OS/VS1) (MDC356) @X60KL9A	36617006
		00010		5960+CVTRSV9D EQU	X'10',,,C'X' -	RESERVED	36624001
		00008		5961+CVTRSV9E EQU	X'08',,,C'X' -	RESERVED	36626001
		00004		5962+CVTRSV9F EQU	X'04',,,C'X' -	RESERVED	36628001
		00002		5963+CVTRSV9G EQU	X'02',,,C'X' -	RESERVED	36630001
		00001		5964+CVTRSV9H EQU	X'01',,,C'X' -	RESERVED	36632001
000006				5965+CVTRSV91 DS	H -	RESERVED	36632401
000008	00000000			5966+CVTDEBVR DC	V(IFGDEBVR) -	ADDRESS OF BRANCH ENTRY POINT OF DEB	36644002
				5967+*		VALIDITY CHECK ROUTINE (ICB380) XM9028	36654002
00000C	00000000			5968+CVTRSV92 DC	A(0) -	RESERVED (MDC190) YM2278	36664002
000010				5969+CVTRSV93 DS	F -	RESERVED	36672601
000014				5970+CVTRSV94 DS	F -	RESERVED	36672701
000018				5971+CVTQID DS	0A -	SAME AS CVTQIDA BELOW ICB381	36672901
000018	00			5972+CVTRSV95 DC	XL1'00' -	RESERVED ICB381	36673201
000019	000000			5973+CVTQIDA DC	AL3(0) -	ADDRESS OF QUEUE IDENTIFICATION (QID)	36673602
				5974+*		TABLE PREFIX ICB381	36673702
00001C				5975+CVTOLTEP DS	A -	POINTER TO CONTROL BLOCK CREATED BY SVC 59	36673801
				5976+*		TO POINT TO PSEUDO-DEB'S ICB423	36673901
000020				5977+CVTRSV96 DS	H -	RESERVED	36683901
000022				5978+CVTRSV97 DS	H -	RESERVED	36685901
000024				5979+CVTRSV98 DS	F -	RESERVED	36687901
000028	00000000			5980+CVTCCVT DC	A(0) -	ADDRESS OF CRYPTOGRAPHIC FACILITY CVT	36690141
				5981+*		(MDC370) @ZA27771	36691141
00002C	00000000			5982+CVTSKTA DC	A(0) -	ADDRESS OF STORAGE KEY TABLE (VM	36694904
				5983+*		HANDSHAKING) (OS/VS1) (MDC304) @X04EP9A	36695704
000030	00000000			5984+CVTICB DC	A(0) -	ADDRESS OF MASS STORAGE SYSTEM (MSS)	36702704
				5985+*		CONTROL BLOCK (MDC305) @Z30LP9A	36703804
000034				5986+CVTRV400 DS	B -	RESERVED	36705804
		00080		5987+CVTRV401 EQU	X'80',,,C'X' -	RESERVED	36706804
		00040		5988+CVTRV402 EQU	X'40',,,C'X' -	RESERVED	36707804
		00020		5989+CVTRV403 EQU	X'20',,,C'X' -	RESERVED	36708804
		00010		5990+CVTRV404 EQU	X'10',,,C'X' -	RESERVED	36709804
		00008		5991+CVTRV405 EQU	X'08',,,C'X' -	RESERVED	36710804
		00004		5992+CVTRV406 EQU	X'04',,,C'X' -	RESERVED	36711804
		00002		5993+CVTRV407 EQU	X'02',,,C'X' -	RESERVED	36713802
		00001		5994+CVTRV408 EQU	X'01',,,C'X' -	RESERVED	36713902
000035				5995+CVTRV409 DS	B -	RESERVED	36717202
		00080		5996+CVTRV410 EQU	X'80',,,C'X' -	RESERVED	36719202
		00040		5997+CVTRV411 EQU	X'40',,,C'X' -	RESERVED	36719602
		00020		5998+CVTRV412 EQU	X'20',,,C'X' -	RESERVED	36720002
		00010		5999+CVTRV413 EQU	X'10',,,C'X' -	RESERVED	36720402
		00008		6000+CVTRV414 EQU	X'08',,,C'X' -	RESERVED	36720502
		00004		6001+CVTRV415 EQU	X'04',,,C'X' -	RESERVED	36720602
		00002		6002+CVTRV416 EQU	X'02',,,C'X' -	RESERVED	36726402
		00001		6003+CVTRV417 EQU	X'01',,,C'X' -	RESERVED	36728402
000036				6004+CVTRV418 DS	XL1 -	RESERVED	36730402
000037				6005+CVTRV419 DS	XL1 -	RESERVED	36730802
000038				6006+CVTRV420 DS	AL2 -	RESERVED	36731202
00003A				6007+CVTRV421 DS	H -	RESERVED	36731602
00003C				6008+CVTRV422 DS	H -	RESERVED	36732002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
00003E				6009+CVTRV423	DS	H -	RESERVED 36732102
000040				6010+CVTATCVT	DS	A -	POINTER TO VTAM'S CVT MDC080 36732202
		00080		6011+CVTATACT	EQU	X'80'	IF ON, VTAM IS ACTIVE MDC081 36736102
000044				6012+CVTRV425	DS	A -	RESERVED 36744002
000048				6013+CVTRV426	DS	A -	RESERVED 36782302
00004C				6014+CVTRV427	DS	A -	RESERVED 36792302
000050				6015+CVTRV428	DS	F -	RESERVED 36802302
000054				6016+CVTRV429	DS	B -	RESERVED 36812302
		00080		6017+CVTRV430	EQU	X'80' , , C'X' -	RESERVED 36822302
		00040		6018+CVTRV431	EQU	X'40' , , C'X' -	RESERVED 36824302
		00020		6019+CVTRV432	EQU	X'20' , , C'X' -	RESERVED 36826302
		00010		6020+CVTRV433	EQU	X'10' , , C'X' -	RESERVED 36828302
		00008		6021+CVTRV434	EQU	X'08' , , C'X' -	RESERVED 36830302
		00004		6022+CVTRV435	EQU	X'04' , , C'X' -	RESERVED 36830702
		00002		6023+CVTRV436	EQU	X'02' , , C'X' -	RESERVED 36831102
		00001		6024+CVTRV437	EQU	X'01' , , C'X' -	RESERVED 36831502
000055				6025+CVTRV438	DS	B -	RESERVED 36831902
		00080		6026+CVTRV439	EQU	X'80' , , C'X' -	RESERVED 36832002
		00040		6027+CVTRV440	EQU	X'40' , , C'X' -	RESERVED 36832102
		00020		6028+CVTRV441	EQU	X'20' , , C'X' -	RESERVED 36832202
		00010		6029+CVTRV442	EQU	X'10' , , C'X' -	RESERVED 36848902
		00008		6030+CVTRV443	EQU	X'08' , , C'X' -	RESERVED 36858902
		00004		6031+CVTRV444	EQU	X'04' , , C'X' -	RESERVED 36860902
		00002		6032+CVTRV445	EQU	X'02' , , C'X' -	RESERVED 36862902
		00001		6033+CVTRV446	EQU	X'01' , , C'X' -	RESERVED 36864902
000056				6034+CVTRV447	DS	XL1 -	RESERVED 36865302
000057				6035+CVTRV448	DS	XL1 -	RESERVED 36865402
000058				6036+CVTRV449	DS	AL2 -	RESERVED 36865502
00005A				6037+CVTRV450	DS	H -	RESERVED 36871102
00005C				6038+CVTRV451	DS	H -	RESERVED 36873102
00005E				6039+CVTRV452	DS	H -	RESERVED 36875102
000060				6040+CVTRV453	DS	A -	RESERVED 36875502
000064				6041+CVTRV454	DS	A -	RESERVED 36875902
000068				6042+CVTRV455	DS	A -	RESERVED 36876302
00006C				6043+CVTRV456	DS	A -	RESERVED 36876402
000070				6044+CVTRV457	DS	B -	RESERVED 36876502
		00080		6045+CVTRV458	EQU	X'80' , , C'X' -	RESERVED 36876602
		00040		6046+CVTRV459	EQU	X'40' , , C'X' -	RESERVED 36890502
		00020		6047+CVTRV460	EQU	X'20' , , C'X' -	RESERVED 36900502
		00010		6048+CVTRV461	EQU	X'10' , , C'X' -	RESERVED 36902502
		00008		6049+CVTRV462	EQU	X'08' , , C'X' -	RESERVED 36902902
		00004		6050+CVTRV463	EQU	X'04' , , C'X' -	RESERVED 36903302
		00002		6051+CVTRV464	EQU	X'02' , , C'X' -	RESERVED 36903702
		00001		6052+CVTRV465	EQU	X'01' , , C'X' -	RESERVED 36904102
000071				6053+CVTRV466	DS	B -	RESERVED 36904202
		00080		6054+CVTRV467	EQU	X'80' , , C'X' -	RESERVED 36904302
		00040		6055+CVTRV468	EQU	X'40' , , C'X' -	RESERVED 36904402
		00020		6056+CVTRV469	EQU	X'20' , , C'X' -	RESERVED 36909002
		00010		6057+CVTRV470	EQU	X'10' , , C'X' -	RESERVED 36911002
		00008		6058+CVTRV471	EQU	X'08' , , C'X' -	RESERVED 36913002
		00004		6059+CVTRV472	EQU	X'04' , , C'X' -	RESERVED 36913402
		00002		6060+CVTRV473	EQU	X'02' , , C'X' -	RESERVED 36913502
		00001		6061+CVTRV474	EQU	X'01' , , C'X' -	RESERVED 36913602
000072				6062+CVTRV475	DS	XL1 -	RESERVED 36913702
000073				6063+CVTRV476	DS	XL1 -	RESERVED 36918302

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
000074				6064+CVTRV477	DS	XL1 - RESERVED	36920302
000075				6065+CVTRV478	DS	XL1 - RESERVED	36922302
000076				6066+CVTRV479	DS	H - RESERVED	36922702
000078				6067+CVTRV480	DS	A - RESERVED	36922802
00007C				6068+CVTRV481	DS	A - RESERVED	36922902
000080				6069+CVTRV482	DS	A - RESERVED	36923002
				6070+*			36923102
				6071+*		END OF CVT	36927702
				6072+	POP	PRINT	36932302

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				6074	IKJTCB DSECT=YES,LIST=YES Task Control Block	LB1010g
				6075+*/	%TCBL1 : ;	00310001
				6076+*/		*/ 00350001
				6077+*/	TASK CONTROL BLOCK	*/ 00400001
				6078+*/		*/ 00500001
				6079+*/	OS/VS2 SU64, 11/28/78, LEVEL=8	*/ 00510064
				6080+*/		*/ 00560001
				6081+*/	METHOD OF ACCESS	*/ 00570001
				6082+*/	BAL - A DSECT IS PRODUCED UNLESS DSECT=NO IS SPECIFIED.	*/ 00580001
				6083+*/	USING ON TCBFIX GIVES ADDRESSABILITY FOR ALL SYMBOLS	*/ 00590001
				6084+*/	IN PREFIX AND TCB PROPER. TO GET ADDRESSABILITY FOR	*/ 00600001
				6085+*/	THE OS/VS1 - OS/VS2 COMMON EXTENSION, YOU SHOULD	*/ 00610002
				6086+*/	CODE	*/ 00620002
				6087+*/		*/ 00622002
				6088+*/	L REG,TCBEXT2	*/ 00630001
				6089+*/	USING TCBXTNT2,REG	*/ 00640001
				6090+*/	WHERE REG IS ANY REGISTER OTHER THAN ZERO.	*/ 00650001
				6091+*/		*/ 00660001
				6092+*/	THIS MACRO ASSUMES A DEFAULT OF SYS=AOS2 WHICH MEANS	*/ 00670001
				6093+*/	A MAPPING OF AN OS/VS2 TCB IS DESIRED. IF A MAPPING	*/ 00680002
				6094+*/	OF AN OS/VS1 TCB IS DESIRED, PUT SYS=AOS1 AS A	*/ 00690002
				6095+*/	PARAMETER ON THE MACRO CALL. IF A MAPPING OF THE	*/ 00700001
				6096+*/	TCB FOR BOTH OS/VS1 AND OS/VS2 IS DESIRED, PUT	*/ 00710002
				6097+*/	SYS=BOTH AS A PARAMETER.	*/ 00720001
				6098+*/		*/ 00730001
				6099+*/	PL/S - DCL TCBPTR PTR	*/ 00740001
				6100+*/		*/ 00750001
				6101+*/	THIS MACRO ASSUMES IT IS MAPPING AN OS/VS2 TCB. IF	*/ 00760002
				6102+*/	AN OS/VS1 TCB MAPPING IS DESIRED, SPECIFY	*/ 00770002
				6103+*/	%TCBSYSTEM='AOS1' OR IF A MAPPING OF THE TCB FOR	*/ 00780002
				6104+*/	BOTH OS/VS1 AND OS/VS2 IS DESIRED, SPECIFY	*/ 00790002
				6105+*/	%TCBSYSTEM='BOTH' BEFORE THE INCLUDE FOR THIS MACRO.	*/ 00800002
				6106+*/	DO NOT SET TCBSYSTEM TO 'AOS2' BECAUSE NULL MEANS	*/ 00810002
				6107+*/	OS/VS2.	*/ 00820001
				6108+*/		*/ 00830001
				6109+*/	MACRO VARIABLE TCBLLEN IS SET TO THE LENGTH OF THE	*/ 00840001
				6110+*/	TCB INCLUDING THE PREFIX. TCBLLEN IS VALID IF	*/ 00850002
				6111+*/	TCBSYSTEM IS 'AOS1' OR '' (OS/VS2), BUT IT IS NOT	*/ 00860001
				6112+*/	VALID IF TCBSYSTEM='BOTH'.	*/ 00910002
				6113+*/		*/ 00960002
				6114+*/	F.E.'S	*/ 00970002
				6115+*/	MICROFICHE LISTING - IKJTCB	*/ 00980002
				6116+*/		*/ 00990002
				6117+*/	DEVELOPERS	*/ 00992002
				6118+*/	BAL LISTING - SPECIFY LIST=YES ON MACRO CALL.	*/ 00994002
				6119+*/	PL/S LISTING - SPECIFY %IHALIST='YES' BEFORE INCLUDE.	*/ 00996002
				6120+*/		*/ 00998002
				6121+*/	FOR INTEGRATION, A LISTING SHOULD NOT BE REQUESTED.	*/ 00998300
				6122+*/		*/ 00998600
				6123+*/	CHANGE-ACTIVITY	*/ 00998900
				6124+*/	OZ63673 CHANGE TCBDDBTB TO TCBVAT @ZA63673	*/ 00999000
				6125+*/	OZ67167 DEFINE TCB NONDISPATCHABILITY BIT IN	*/ 00999100
				6126+*/	SUPPORT OF OZ50029. @ZA67167	*/ 00999200
				6127+*/		*/ 00999500
				6128+*/	*****	*/ 00999500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				6129+*		01000001
				6130+*%GOTO TCBL2; /*		01010001
				6131+ PUSH PRINT		01012002
				6132+*		01020001
				6133+*	TCB PREFIX	01100003
				6134+*		01170003
000000				6135+TCBFIX DSECT , -	TCBPTR-32	01300001
				6136+*		01400003
000000				6137+TCBFRS DS	0CL32 - FLOATING POINT REGISTER SAVE AREA	01500001
000000				6138+TCBFRS0 DS	D - SAVE AREA FOR FLOATING POINT REGISTER 0	01600001
000008				6139+TCBFRS2 DS	D - SAVE AREA FOR FLOATING POINT REGISTER 2	01700001
000010				6140+TCBFRS4 DS	D - SAVE AREA FOR FLOATING POINT REGISTER 4	01800001
000018				6141+TCBFRS6 DS	D - SAVE AREA FOR FLOATING POINT REGISTER 6	01900001
		00020		6142+TCBPXLEN EQU	*-TCBFIX LENGTH OF PREFIX SECTION	01950001
				6143+*		02000003
				6144+*	TCB PROPER	02080003
				6145+*		02160003
000020				6146+ DS	0D	02250001
		00020		6147+TCB EQU	* - TCBPTR	02372001
				6148+*		02400003
000020				6149+TCBRBP DS	A - ADDRESS OF THE RB FOR EXECUTING PROGRAM	02500002
000024				6150+TCBPIE DS	0A - ADDRESS OF SPIE CONTROL AREA. THE FIRST WORD OF	02600002
				6151+*	THIS AREA CONTAINS THE PROGRAM INTERRUPT ELEMENT	02610002
				6152+*	(PIE) ADDRESS. MDC024	02620002
000024				6153+TCBPMASK DS	B - SPIE BITS	02650001
		0000F		6154+TCBPM EQU	X'0F' - PROGRAM MASK AT TIME OF SPIE INITIATION. MASK	02660001
				6155+*	RESTORED AT TIME OF SPIE NULLIFICATION.	02670001
000025				6156+TCBPIEA DS	AL3 - ADDRESS OF SPIE CONTROL AREA. THE FIRST WORD OF	02680002
				6157+*	THIS AREA CONTAINS THE PROGRAM INTERRUPT ELEMENT	02690002
				6158+*	(PIE) ADDRESS. MDC024	02692002
000028				6159+TCBDEB DS	A - ADDRESS OF THE DEB QUEUE	02700002
00002C				6160+TCBTIO DS	A - ADDRESS OF THE TASK I/O TABLE (TIOT)	02800002
000030				6161+TCBCMP DS	0BL4 - TASK COMPLETION CODE AND INDICATORS	02900002
000030				6162+TCBCMPF DS	B - INDICATOR FLAGS	03000002
		00080		6163+TCBCREQ EQU	X'80' - A DUMP HAS BEEN REQUESTED	03100001
		00040		6164+TCBCSTEP EQU	X'40' - A STEP ABEND HAS BEEN REQUESTED	03200001
		00020		6165+TCBCPP EQU	X'20' - SOME PROBLEM PROGRAM STORAGE WAS OVERLAID BY THE	03300002
				6166+*	SECOND LOAD OF ABEND. A FIRST LOAD OVERLAY IS	03350002
				6167+*	INDICATED IN TCBFLGS FIELD (OFFSET 29 DECIMAL).	03400002
				6168+*	(OS/VS1) MDC054	03450002
		00020		6169+TCBDMP0 EQU	X'20' - DUMP OPTIONS WERE PROVIDED ON CALLRTM OR SETRP	03510002
				6170+*	MACRO (OS/VS2) MDC060	03520002
		00010		6171+TCBSTCC EQU	X'10' - COMPLETION CODE IS NOT TO BE STORED IN TCBCMPC	03550001
				6172+*	(OFFSET 17 DECIMAL) IF AN ABEND IS ENCOUNTERED.	03552002
				6173+*	THIS IS TO PREVENT AN OVERLAY OF THE ORIGINAL	03560002
				6174+*	COMPLETION CODE. (OS/VS1) MDC055	03570002
		00010		6175+TCBNOCC EQU	X'10' - A COMPLETION CODE WAS NOT PROVIDED ON CALLRTM	03590002
				6176+*	MACRO. A DEFAULT CODE IS BEING USED.	03592002
				6177+*	(OS/VS2) MDC061	03594002
		00008		6178+TCBCDBL EQU	X'08' - A DOUBLE ABEND HAS OCCURRED (OS/VS1) MDC056	03600002
		00008		6179+TCBCASID EQU	X'08' - ABEND WAS SCHEDULED VIA CROSS MEMORY ABTERM	03650002
				6180+*	(OS/VS2) MDC062	03660002
		00004		6181+TCBCWTO EQU	X'04' - A DUMP MESSAGE (WTO) IS TO BE ISSUED TO THE	03700002
				6182+*	OPERATOR (OS/VS1) MDC057	03750002
		00004		6183+TCBRV316 EQU	X'04',,C'X' - RESERVED FOR CALLRTM FLAG (OS/VS2) MDC063	03760002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
			00002	6184+TCBCIND EQU	X'02' - ABEND TO OUTPUT AN INDICATIVE DUMP (OS/VS1)	03800003
			6185+*		(MDC303) @X04DA9A	03830003
			00002	6186+TCBRV317 EQU	X'02',,C'X' - RESERVED FOR CALLRTM FLAG (OS/VS2)	MDC063 03860002
			00001	6187+TCBCMSG EQU	X'01' - AN ABEND MESSAGE IS PROVIDED TO BE PRINTED BY	03900002
			6188+*		ABDUMP (OS/VS1) MDC059	03950002
000031			00001	6189+TCBRV318 EQU	X'01',,C'X' - RESERVED FOR CALLRTM FLAG (OS/VS2)	MDC063 03960002
				6190+TCBCMPC DS	BL3 - SYSTEM COMPLETION CODE IN FIRST 12 BITS,	04000002
			6191+*		USER COMPLETION CODE IN LAST 12 BITS	04100002
000034				6192+TCBTRN DS	0A - ADDRESS OF TESTRAN CONTROL CORE TABLE	04200002
000034				6193+TCBABF DS	B - FLAG BYTE	04300001
		00080		6194+TCBMOD91 EQU	X'80' - BOTH TESTRAN AND DECIMAL SIMULATOR ON A MOD 91	04400001
		00040		6195+TCBNOCHK EQU	X'40' - SUPPRESS TAKING CHECKPOINTS FOR THIS STEP	04500001
			6196+*		(JOB STEP TCB)	04600001
		00020		6197+TCBGRPH EQU	X'20' - THIS IS A GRAPHICS FOREGROUND JOB OR THE	04700002
			6198+*		GRAPHIC JOB PROCESSOR	04700402
		00010		6199+TCBRV01 EQU	X'10',,C'X' - RESERVED	04701001
		00008		6200+TCBTCPP EQU	X'08' - TCAM POST-PENDING (RORI)	04800001
		00004		6201+TCBTCP EQU	X'04' - TEST TASK - USED BY TEST SVC	04900001
		00002		6202+TCBOLTEP EQU	X'02' - OLTEP FUNCTIONS REQUIRE CLEANUP BEFORE ABNORMAL	05000002
			6203+*		TERMINATION CAN BE INVOKED	05100001
000035		00001		6204+TCBRV02 EQU	X'01',,C'X' - RESERVED	05101001
000038				6205+TCBTRNB DS	AL3 - ADDRESS OF TESTRAN CONTROL CORE TABLE	05200002
				6206+TCBMSS DS	0A - FOR JOB STEP TCB, ADDRESS OF THE BOUNDARY BOX.	05300002
			6207+*		FOR SUBTASK TCB, ADDRESS OF THE GOTTEN SUBTASK	05350002
			6208+*		AREA QUEUE ELEMENT (GQE). A GQE IS PRESENT	05360002
			6209+*		ONLY IF THE SYSTEM HAS ISSUED A GETMAIN MACRO	05370002
			6210+*		INSTRUCTION FOR THE SPACE. (OS/VS1)	05380002
			6211+*		ADDRESS OF LAST SPQE ON MSS QUEUE (OS/VS2)	05400002
000038				6212+TCBRV03 DS	X - ** TCBNROC FIELD UNUSED IN OS/VS **	05500002
000039				6213+TCBMSSB DS	AL3 - FOR JOB STEP TCB, ADDRESS OF THE BOUNDARY BOX.	05700002
			6214+*		FOR SUBTASK TCB, ADDRESS OF THE GOTTEN SUBTASK	05750002
			6215+*		AREA QUEUE ELEMENT (GQE). A GQE IS PRESENT	05800002
			6216+*		ONLY IF THE SYSTEM HAS ISSUED A GETMAIN MACRO	05850002
			6217+*		INSTRUCTION FOR THE SPACE. (OS/VS1)	05860002
			6218+*		ADDRESS OF LAST SPQE ON MSS QUEUE (OS/VS2)	05870002
00003C				6219+TCBPKF DS	B - STORAGE PROTECTION KEY FOR THIS TASK. IF THERE	05900002
			6220+*		IS NO STORAGE PROTECTION, ALL BITS ARE ZERO.	05950002
		000F0		6221+TCBFLAG EQU	X'F0' - STORAGE PROTECTION KEY	06000002
		0000F		6222+TCBZERO EQU	X'0F' - MUST BE ZERO	06100002
00003D				6223+TCBFLGS DS	0BL5 - FLAG BYTE FIELDS	06200002
00003D				6224+TCBFLGS1 DS	B - FIRST TCB FLAG BYTE	06300001
		00080		6225+TCBFA EQU	X'80' - ABNORMAL TERMINATION IN PROGRESS	06400001
		00040		6226+TCBFE EQU	X'40' - NORMAL TERMINATION IN PROGRESS	06500001
		00020		6227+TCBFERA EQU	X'20' - ENTER ABEND ERASE ROUTINE WHEN IN CONTROL AGAIN	07200001
			6228+*		(OS/VS2)	07250002
		00010		6229+TCBNONPR EQU	X'10' - TASK IS NON-PREEMPTABLE (OS/VS2)	07251004
			6230+*		(MDC320) @Z40FP9A	07291004
		00008		6231+TCBPDUMP EQU	X'08' - PREVENT DUMP INDICATOR (OS/VS2)	07400002
		00004		6232+TCBFT EQU	X'04' - TOP TASK IN TREE BEING ABTERMED (OS/VS2)	07500002
		00002		6233+TCBFS EQU	X'02' - ABTERM DUMP COMPLETED (OS/VS2)	07700002
			6234+*		PROBLEM PROGRAM STORAGE HAS BEEN OVERLAID TO	07800002
			6235+*		PROCESS ABEND (OS/VS1)	07850002
		00001		6236+TCBFX EQU	X'01' - PROHIBIT QUEUEING OF ASYNCHRONOUS EXITS FOR	07900002
			6237+*		THIS TASK	07950002
00003E				6238+TCBFLGS2 DS	B - SECOND FLAG BYTE	08100001

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
			00080	6239+TCBFOINP EQU	X'80' - THE TASK IS ABENDING AND IS IN THE PROCESS OF	08600002
			6240+*		(1) OPEN FOR DUMP DATA SET PROCESSING,	08610002
			6241+*		(2) CLOSE FOR USER DATA SET OR	08620002
			6242+*		(3) PURGE FOR ENQ'ED RESOURCES. THIS BIT IS	08630002
			6243+*		USED IN CONJUNCTION WITH TCBSTACK.	08640002
			6244+*		(OS/VS2) ICB374	08650002
		00040	6245+TCBFSTI EQU	X'40' - SECOND JOB STEP INTERVAL HAS EXPIRED		08800001
			6246+*		(OS/VS2 INITIATOR TCB)	08900002
		00020	6247+TCBFABOP EQU	X'20' - IF 1, THE SYSABEND DUMP DATA SET HAS BEEN OPENED		08950002
			6248+*		FOR ABEND. IF 0, THE SYSUDUMP DUMP DATA SET WAS	09000002
			6249+*		OPENED. THIS BIT IS ONLY USED FOR THE JOB STEP	09100001
			6250+*		TCB AND IS USED IN CONJUNCTION WITH TCBFDSOP	09150001
			6251+*		BIT. (OS/VS2) (ICB482) YM0651	09160001
		00010	6252+TCBFSMC EQU	X'10' - TASK HAS ISSUED A SYSTEM-MUST-COMPLETE AND SET		09200002
			6253+*		ALL OTHER TASKS IN THE SYSTEM NON-DISPATCHABLE	09300002
		00008	6254+TCBFJMC EQU	X'08' - TASK HAS ISSUED A STEP-MUST-COMPLETE AND TURNED		09400002
			6255+*		OFF ALL OTHER TASKS IN THE STEP	09500001
		00004	6256+TCBFDSOP EQU	X'04' - SYSABEND OPEN FOR JOB STEP (OS/VS2)		10000002
		00002	6257+TCBFETXR EQU	X'02' - ETXR TO BE SCHEDULED		10200001
		00001	6258+TCBFTS EQU	X'01' - THIS TASK IS A MEMBER OF A TIME-SLICED GROUP		10300002
00003F			6259+TCBFLGS3 DS	B - THIRD FLAG BYTE		10500001
		00080	6260+TCBFMS EQU	X'80' - ALL PSW'S IN SUPERVISOR STATE (OS/VS2)		10600002
		00040	6261+TCBADINP EQU	X'40' - USED IN CONJUNCTION WITH TCBONDSP. FLAG		11850001
			6262+*		INDICATING THAT ABDUMP IS CURRENTLY PROCESSING	11860001
			6263+*		FOR SOME TASK IN JOB STEP. A HIGHER LEVEL TASK	11870001
			6264+*		IS NOT ALLOWED TO ENTER MAINLINE ABEND	11880001
			6265+*		PROCESSING IF THIS BIT IS SET IN JOB STEP TCB	11890001
			6266+*		UNLESS JOB STEP TASK IS FAILING. BIT SET ONLY	11892001
			6267+*		IN JOB STEP TCB AND TASK INVOKING ABDUMP.	11894001
			6268+*		(OS/VS2)	11896002
		00020	6269+TCBABTRM EQU	X'20' - ABTERM BIT TO PREVENT MULTIPLE ABENDS (OS/VS2)		11900002
		00010	6270+TCBABGM EQU	X'10' - GETMAIN IS TO DEFAULT LSQA REQUESTS TO SQA		11950001
			6271+*		REQUESTS WHEN REQUEST CANNOT BE SATISFIED FROM	12000001
			6272+*		LSQA (OS/VS2)	12050002
		00008	6273+TCBRSV06 EQU	X'08' , , C'X' - RESERVED (OS/VS2)		12051002
		00004	6274+TCBRSV07 EQU	X'04' , , C'X' - RESERVED (OS/VS2)		12052002
		00002	6275+TCBRSV08 EQU	X'02' , , C'X' - RESERVED (OS/VS2)		12053002
		00001	6276+TCBDWSTA EQU	X'01' - THIS TASK WAS DETACHED WITH STAE=YES OPTION		12060001
			6277+*		(OS/VS2) ICB315	12070002
000040			6278+TCBFLGS4 DS	B - NON-DISPATCHABILITY FLAGS (OS/VS2)		13100002
			6279+*		RESERVED BYTE (OS/VS1)	13150002
		00080	6280+TCBNDUMP EQU	X'80' - ABDUMP NON-DISPATCHABILITY INDICATOR		13300002
		00040	6281+TCBSER EQU	X'40' - SER1 NON-DISPATCHABILITY INDICATOR		13400002
		00020	6282+TCBRQENA EQU	X'20' - I/O RQE'S EXHAUSTED		13500001
		00010	6283+TCBHNDSP EQU	X'10' - TASK OR JOB STEP IS MOMENTARILY 'FROZEN' UNTIL		13502001
			6284+*		THE REQUIRED RESOURCES ARE AVAILABLE. THE BIT	13504001
			6285+*		IS SET THROUGH THE USE OF THE 'STATUS' SVC	13506001
			6286+*		ICB453	13508001
		00008	6287+TCBUXNDV EQU	X'08' - TASK IS TEMPORARILY NON-DISPATCHABLE BECAUSE		13510001
			6288+*		SMF TIME LIMIT OR SYSOUT LIMIT USER EXIT	13520001
			6289+*		ROUTINE IS BEING EXECUTED FOR THIS STEP	13530002
		00004	6290+TCBMPCVQ EQU	X'04' - VARY OR QUIESCE IN MULTIPROCESSING SYSTEM		13600001
		00002	6291+TCBMPCND EQU	X'02' - M65 MULTIPROCESSING NON-DISPATCHABILITY		13700002
			6292+*		INDICATOR FOR ALL CPU'S	13800002
		00001	6293+TCBONDSP EQU	X'01' - TASK TERMINATING AND NON-DISPATCHABLE BECAUSE		13900002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				6294+*	EITHER OPEN FOR DUMP DATA SET IS IN PROCESS OR	14000001
				6295+*	CLOSE BY ABEND IS IN PROCESS	14100001
000041				6296+TCBFLGS5 DS B -	MORE NON-DISPATCHABILITY FLAGS. IF ANY BIT IN	14200002
				6297+*	THIS BYTE IS 1, THE TASK IS NON-DISPATCHABLE.	14250002
		00080		6298+TCBFC EQU X'80' -	TASK TERMINATED (OS/VS2)	14400002
		00040		6299+TCBABWF EQU X'40' -	ABNORMAL WAIT (OS/VS2)	14500002
		00040		6300+TCBUXNDF EQU X'40' -	TASK IS TEMPORARILY NON-DISPATCHABLE BECAUSE	14510002
				6301+*	SMF TIME LIMIT OR SYSOUT LIMIT USER EXIT ROUTINE	14520001
				6302+*	IS BEING EXECUTED FOR THIS STEP. THIS BIT IS	14530002
				6303+*	SET TO 1 IN ALL TCB'S EXCEPT JOB STEP TCB.	14532002
				6304+*	(OS/VS1) ICB263	14540002
		00020		6305+TCBPAGE EQU X'20' -	TASK IS NON-DISPATCHABLE DUE TO EXCESSIVE PAGING	14600002
				6306+*	RATE	14650001
		00010		6307+TCBANDSP EQU X'10' -	TASK IS TEMPORARILY NON-DISPATCHABLE BECAUSE IT	14700002
				6308+*	WAS ATTACHED UNDER THE DISP=NO OPERAND	14750002
		00008		6309+TCBSYS EQU X'08' -	ANOTHER TASK IS IN SYSTEM-MUST-COMPLETE STATUS	14800002
				6310+*	OR A SUMMARY BIT FOR FIELD TCBSYSCT	14850002
		00004		6311+TCBSTP EQU X'04' -	ANOTHER TASK IN THIS JOB STEP IS IN	14900002
				6312+*	STEP-MUST-COMPLETE STATUS	15000002
		00002		6313+TCBFCD1 EQU X'02' -	INITIATOR WAITING FOR REGION (OS/VS2)	15100002
		00001		6314+TCBPNDSP EQU X'01' -	PRIMARY NON-DISPATCHABILITY BIT. THIS BIT IS	15200002
				6315+*	SET TO 1 IF ANY OF THE SECONDARY	15250002
				6316+*	NON-DISPATCHABILITY BITS (OFFSETS 173, 174, 175,	15300002
				6317+*	200 OR 201 DECIMAL) IS SET TO 1. THIS BIT IS	15350002
				6318+*	SET TO 0 IF A SECONDARY NON-DISPATCHABILITY BIT	15360002
				6319+*	IS SET TO 0 AND ALL OTHER SECONDARY	15370002
				6320+*	NON-DISPATCHABILITY BITS ARE 0.	15380002
000042				6321+TCBLMP DS FL1 -	TASK LIMIT PRIORITY (OS/VS2)	15400002
				6322+*	NUMBER OF RESOURCES FOR WHICH THIS TASK IS	15600002
				6323+*	ENQUEUED (OS/VS1)	15650002
000043				6324+TCBDSP DS FL1 -	DISPATCHING PRIORITY FOR THIS TASK	15800002
000044				6325+TCBLLS DS A -	ADDRESS OF LAST LOAD LIST ELEMENT (LLE) IN LOAD	15900002
				6326+*	LIST (OS/VS2)	15950002
				6327+*	ADDRESS OF THE PREFIX OF THE MOST RECENTLY ADDED	16100002
				6328+*	REQUEST BLOCK (RB-8) ON THE LIST OF PROGRAMS	16110002
				6329+*	LOADED VIA THE LOAD MACRO INSTRUCTION (OS/VS1)	16150002
				6330+*	MDC070	16200002
000048				6331+TCBJLB DS A -	ADDRESS OF A JOBLIB DCB	16300002
00004C				6332+TCBJPQ DS 0A -	ADDRESS OF LAST CDE FOR JOB PACK AREA (JPA)	16800002
				6333+*	CONTROL QUEUE (OS/VS2)	16850002
00004C				6334+TCBPURGE DS B -	PURGE FLAGS (OS/VS2)	17000002
		00080		6335+TCBJPQF EQU X'80' -	JPQ PURGE FLAG	17200001
		00040		6336+TCBRSV09 EQU X'40' , , C'X' -	RESERVED	17201001
		00020		6337+TCBRSV10 EQU X'20' , , C'X' -	RESERVED	17202001
		00010		6338+TCBRSV11 EQU X'10' , , C'X' -	RESERVED	17203001
		00008		6339+TCBRSV12 EQU X'08' , , C'X' -	RESERVED	17204001
		00004		6340+TCBRSV13 EQU X'04' , , C'X' -	RESERVED	17205001
		00002		6341+TCBRSV14 EQU X'02' , , C'X' -	RESERVED	17206001
		00001		6342+TCBRSV15 EQU X'01' , , C'X' -	RESERVED	17207001
00004D				6343+TCBJPQB DS AL3 -	ADDRESS OF LAST CDE FOR JOB PACK AREA (JPA)	17700002
				6344+*	CONTROL QUEUE (OS/VS2)	17750002
000050				6345+TCBGRS DS 0CL64 -	GENERAL REGISTER SAVE AREA	17900001
000050				6346+TCBGRS0 DS F -	SAVE AREA FOR GENERAL REGISTER 0	18000001
000054				6347+TCBGRS1 DS F -	SAVE AREA FOR GENERAL REGISTER 1	18100001
000058				6348+TCBGRS2 DS F -	SAVE AREA FOR GENERAL REGISTER 2	18200001

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
00005C				6349+TCBGRS3	DS	F - SAVE AREA FOR GENERAL REGISTER 3	18300001
000060				6350+TCBGRS4	DS	F - SAVE AREA FOR GENERAL REGISTER 4	18400001
000064				6351+TCBGRS5	DS	F - SAVE AREA FOR GENERAL REGISTER 5	18500001
000068				6352+TCBGRS6	DS	F - SAVE AREA FOR GENERAL REGISTER 6	18600001
00006C				6353+TCBGRS7	DS	F - SAVE AREA FOR GENERAL REGISTER 7	18700001
000070				6354+TCBGRS8	DS	F - SAVE AREA FOR GENERAL REGISTER 8	18800001
000074				6355+TCBGRS9	DS	F - SAVE AREA FOR GENERAL REGISTER 9	18900001
000078				6356+TCBGRS10	DS	F - SAVE AREA FOR GENERAL REGISTER 10	19000001
00007C				6357+TCBGRS11	DS	F - SAVE AREA FOR GENERAL REGISTER 11	19100001
000080				6358+TCBGRS12	DS	F - SAVE AREA FOR GENERAL REGISTER 12	19200001
000084				6359+TCBGRS13	DS	F - SAVE AREA FOR GENERAL REGISTER 13	19300001
000088				6360+TCBGRS14	DS	F - SAVE AREA FOR GENERAL REGISTER 14	19400001
00008C				6361+TCBGRS15	DS	F - SAVE AREA FOR GENERAL REGISTER 15	19500001
000090				6362+TCBFSA	DS	0A - ADDRESS OF THE FIRST PROBLEM PROGRAM SAVE AREA	19600002
000090				6363+TCBQEL	DS	FL1 - ENQUEUE COUNT (OS/VS2)	20100002
000091				6364+TCBFSA	DS	AL3 - ADDRESS OF THE FIRST PROBLEM PROGRAM SAVE AREA	20300002
000094				6365+TCBTCB	DS	A - ADDRESS OF NEXT TCB OF LOWER PRIORITY ON THE	20400002
				6366+*		READY QUEUE	20450002
000098				6367+TCBTME	DS	A - ADDRESS OF THE TIMER QUEUE ELEMENT (TQE)	20600002
		00080		6368+TCBTQET	EQU	X'80' - IF ZERO, TASK TYPE TQE.	20650002
				6369+*		IF ONE, REAL/WAIT TYPE TQE.	MDC028 20660002
00009C				6370+TCBJSTCB	DS	0A - ADDRESS OF FIRST JOB STEP TCB	22500002
				6371+*		OR OF THIS TCB IF KEY ZERO (OS/VS2)	22600002
00009C				6372+TCBRSV16	DS	X - RESERVED	22700001
00009D				6373+TCBJSTCA	DS	AL3 - ADDRESS OF FIRST JOB STEP TCB	22800002
				6374+*		OR OF THIS TCB IF KEY ZERO (OS/VS2)	22900002
0000A0				6375+TCBNTE	DS	A - ADDRESS OF THE TCB FOR THE TASK PREVIOUSLY	23100002
				6376+*		ATTACHED BY THE TASK THAT ATTACHED THIS TASK.	23150002
				6377+*		FOR EXAMPLE, IF TASK A ATTACHED TASK B AND THEN	23200002
				6378+*		TASK C, THIS FIELD IN TASK C'S TCB POINTS TO	23250002
				6379+*		TASK B'S TCB, AND THIS FIELD IN TASK B'S TCB	23300002
				6380+*		IS ZERO.	23350002
0000A4				6381+TCBOTC	DS	A - ADDRESS OF THE TCB FOR THE TASK (THE ORIGINATING	23400002
				6382+*		TASK) THAT ATTACHED THIS TASK. THIS FIELD IS	23450002
				6383+*		ZERO IN THE TCB FOR A SYSTEM TASK.	23500002
0000A8				6384+TCBLTC	DS	A - ADDRESS OF THE TCB FOR THE TASK LAST ATTACHED BY	23600002
				6385+*		THIS TASK. NOTE - IF A TASK (THE ORIGINATING	23650002
				6386+*		TASK) HAS ATTACHED OTHER TASKS, THE TCB'S FOR	23700002
				6387+*		THE OTHER TASKS ARE ON THE SUBTASK QUEUE OF THE	23750002
				6388+*		ORIGINATING TASK. TCBLTC IN THE TCB FOR THE	23760002
				6389+*		ORIGINATING TASK POINTS TO THE LAST TCB (THE	23770002
				6390+*		TCB FOR THE LAST ATTACHED TASK) IN THE SUBTASK	23780002
				6391+*		QUEUE. IN EACH TCB ON THE SUBTASK QUEUE,	23790002
				6392+*		EXCEPT THE FIRST TCB, TCBNTC POINTS TO THE	23792002
				6393+*		PRECEDING TCB ON THE QUEUE.	23794002
0000AC				6394+TCBIQE	DS	A - ADDRESS OF AN INTERRUPTION QUEUE ELEMENT (IQE)	23800002
				6395+*		FOR SCHEDULING THE ETXR ROUTINE OF THE TASK	23850002
				6396+*		THAT ATTACHED THIS TASK.	23900002
0000B0				6397+TCBECB	DS	A - ADDRESS OF THE ECB THAT WILL BE POSTED BY THE	24000002
				6398+*		SUPERVISOR'S TASK TERMINATION ROUTINES WHEN	24050002
				6399+*		NORMAL OR ABNORMAL TERMINATION OCCURS.	24100002
0000B4				6400+TCBTSFLG	DS	B - TIME SHARING FLAGS	24200001
		00080		6401+TCBTSTSK	EQU	X'80' - SWAPPED TIME SHARING TASK (OS/VS1)	MDC013 24210002
		00080		6402+TCBRV300	EQU	X'80',,C'X' - RESERVED (WAS TCBTSTSK) (OS/VS2)	MDC013 24250002
		00040		6403+TCBSTPPR	EQU	X'40' - TASK SHOULD BE MADE NON-DISPATCHABLE VIA TCBSTPP	24400002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				6404+*	WHEN IT IS NO LONGER RUNNING A PRIVILEGED	24500002
				6405+*	PROGRAM	24550002
		00020		6406+TCBATT EQU	X'20' - TASK SHOULD NOT HAVE ATTENTION EXITS	24600001
				6407+*	SCHEDULED ON IT BY EXIT EFFECTOR	24700001
		00010		6408+TCBTIOTG EQU	X'10' - PURGE TGET/TPUT AFTER ATTENTION	24800001
		00008		6409+TCBRV17 EQU	X'08' , , C'X' - RESERVED	24801001
		00004		6410+TCBRV18 EQU	X'04' , , C'X' - RESERVED	24802001
		00002		6411+TCBDYDSP EQU	X'02' - M195 TASK IS MEMBER OF DYNAMIC DISPATCHING	24810001
				6412+*	GROUP ICB262	24820001
		00001		6413+TCBCPUBN EQU	X'01' - FOR M195, ZERO MEANS I/O BOUND AND ONE MEANS	24830001
				6414+*	CPU BOUND ICB262	24840001
0000B5				6415+TCBSTPCT DS	FL1 - NUMBER OF SETTASK STARTS WHICH MUST BE	24900001
				6416+*	ISSUED BEFORE TASK IS MADE DISPATCHABLE -	25000001
				6417+*	FIELD NOT RESTRICTED TO TSO	25100001
0000B6				6418+TCBTSLP DS	FL1 - LIMIT PRIORITY OF TIME SHARING TASK	25200002
0000B7				6419+TCBTSDP DS	B - DISPATCHING PRIORITY OF TIME SHARING TASK	25300002
0000B8				6420+TCBPQE DS	A - POINTER TO DPQE MINUS 8 FOR THE JOB STEP	25452002
				6421+*	(OS/VS2)	25452402
0000BC				6422+TCBAQE DS	A - LIST ORIGIN OF AQE(S) FOR THIS TASK (OS/VS2)	27200002
0000C0				6423+TCBSTAB DS	0A - ADDRESS OF THE CURRENT STAE CONTROL BLOCK	27400002
0000C0				6424+TCBNSTAE DS	B - FLAGS INTERNAL TO STAE ROUTINE	27500002
		00080		6425+TCBSTABE EQU	X'80' - ABEND ENTERED BECAUSE OF ERROR IN STAE	27600002
				6426+*	PROCESSING	27650002
		00040		6427+TCBQUIES EQU	X'40' - STAE INVOKED PURGE I/O ROUTINE WITH QUIESCE I/O	27700001
				6428+*	OPTION	27800001
		00020		6429+TCB33E EQU	X'20' - A 33E ABEND HAS OCCURRED FOR TASK (OS/VS2)	27900002
		00010		6430+TCBPPSUP EQU	X'10' - 1=SUPERVISOR MODE, 0=PROBLEM PROGRAM MODE.	27902064
				6431+*	INDICATOR TO SYNCH OF THE MODE OF THE USER	27904064
				6432+*	EXIT (OS/VS2) (MDC351) @ZM49654	27906064
		00008		6433+TCBHALT EQU	X'08' - PURGE I/O ROUTINE DID NOT SUCCESSFULLY QUIESCE	28200001
				6434+*	I/O, BUT I/O WAS HALTED	28300002
		00004		6435+TCBSYNCH EQU	X'04' - SYNCH ISSUED BY ASIR TO SCHEDULE EXIT ROUTINE	28400064
				6436+*	(OS/VS2) (MDC352) @ZM49654	28420064
		00002		6437+TCBRV301 EQU	X'02' , , C'X' - RESERVED (WAS TCBNPURG) (OS/VS2) MDC007	28460002
		00001		6438+TCBSTCUR EQU	X'01' - STAE RECURSION VALID (OS/VS2) ICB443	28700002
0000C1				6439+TCBSTABB DS	AL3 - ADDRESS OF THE CURRENT STAE CONTROL BLOCK	28900002
0000C4				6440+TCBTCT DS	0A - ADDRESS OF THE TIMING CONTROL TABLE (TCT) IF	29000003
				6441+*	SYSTEM MANAGEMENT FACILITIES (SMF) DATA IS BEING	29000203
				6442+*	COLLECTED FOR THE TASK. ZERO IF SMF DATA IS NOT	29000403
				6443+*	BEING COLLECTED FOR THE TASK OR FOR OS/VS1, IF	29000803
				6444+*	SMF IS NOT IN THE SYSTEM. (MDC305) @Z30AQ9A	29000904
0000C4				6445+TCBTCTGF DS	B - FLAG BYTE FOR TIMING CONTROL TABLE ICB318	29001002
		00080		6446+TCBSMFGF EQU	X'80' - IF ZERO, THE TCT CORE TABLE IS NOT TO BE	29002001
				6447+*	UPDATED BY GETMAIN/FREEMAIN.	29003001
				6448+*	IF ONE, THE TCT CORE TABLE IS TO BE UPDATED BY	29004001
				6449+*	GETMAIN/FREEMAIN. ICB318	29005001
		00040		6450+TCBRV20 EQU	X'40' , , C'X' - RESERVED	29006001
		00020		6451+TCBRV97 EQU	X'20' , , C'X' - RESERVED	29007001
		00010		6452+TCBRV98 EQU	X'10' , , C'X' - RESERVED	29008001
		00008		6453+TCBRV99 EQU	X'08' , , C'X' - RESERVED	29009001
		00004		6454+TCBRV9A EQU	X'04' , , C'X' - RESERVED	29010001
		00002		6455+TCBRV9B EQU	X'02' , , C'X' - RESERVED	29011001
		00001		6456+TCBRV9C EQU	X'01' , , C'X' - RESERVED	29012001
0000C5				6457+TCBTCTB DS	AL3 - ADDRESS OF THE TIMING CONTROL TABLE (TCT) IF	29200003
				6458+*	SYSTEM MANAGEMENT FACILITIES (SMF) DATA IS BEING	29220003

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				6459+*	COLLECTED FOR THE TASK. ZERO IF SMF DATA IS NOT	29240003
				6460+*	BEING COLLECTED FOR THE TASK OR FOR OS/VS1, IF	29260003
				6461+*	SMF IS NOT IN THE SYSTEM. (MDC305) @Z30AQ9A	29280004
0000C8				6462+TCBUSER DS	A - A WORD AVAILABLE TO THE USER	29300002
0000CC				6463+TCBSCNDY DS	0BL4 - SECONDARY NON-DISPATCHABILITY BITS. IF ANY BIT	30800002
				6464+*	IN THE FOLLOWING FOUR BYTES IS 1, THE PRIMARY	30900002
				6465+*	NON-DISPATCHABILITY BIT (OFFSET 33.7 DECIMAL)	30950002
				6466+*	IS 1, AND THE TASK IS NON-DISPATCHABLE.	31000002
0000CC				6467+TCBNDSP DS	0BL4 - SAME AS TCBSCNDY	31050001
0000CC				6468+TCBNDSP0 DS	B - BYTE 0	31060001
0000CD				6469+TCBNDSP1 DS	B - - BYTE 1	31100001
		00080		6470+TCBDARTN EQU	X'80' - THE TASK IS TEMPORARILY NON-DISPATCHABLE -	31200002
				6471+*	DAMAGE ASSESSMENT ROUTINE (DAR)	31300002
		00080		6472+TNONDISP EQU	TCBDARTN * ALIAS *	31400001
		00040		6473+TCBDARPN EQU	X'40' - THE TASK IS PERMANENTLY NON-DISPATCHABLE -	31500002
				6474+*	DAMAGE ASSESSMENT ROUTINE (DAR)	31600002
		00040		6475+PNONDISP EQU	TCBDARPN * ALIAS *	31700001
		00020		6476+TCBRSTND EQU	X'20' - THE TASK IS TEMPORARILY NON-DISPATCHABLE -	31800002
				6477+*	RECOVERY MANAGEMENT SUPPORT AND SYSTEM ERROR	31850002
				6478+*	RECOVERY (RMS/SER)	31900002
		00010		6479+TCBRSPND EQU	X'10' - THE TASK IS PERMANENTLY NON-DISPATCHABLE -	32000002
				6480+*	RECOVERY MANAGEMENT SUPPORT AND SYSTEM ERROR	32050002
				6481+*	RECOVERY (RMS/SER)	32100002
				6482+*	(IF THIS BIT IS ON THEN THE PREVIOUS BIT	32200002
				6483+*	MUST BE ON TOO)	32300002
		00008		6484+TCBDDRND EQU	X'08' - THE TASK IS IN DEVICE ALLOCATION AND DYNAMIC	32350002
				6485+*	DEVICE RECONFIGURATION (DDR) HAS MADE IT	32360002
				6486+*	NON-DISPATCHABLE -	32370002
				6487+*	RECOVERY MANAGEMENT SUPPORT AND SYSTEM ERROR	32380002
				6488+*	RECOVERY (RMS/SER) (OS/VS1)	32390002
		00004		6489+TCBTPSP EQU	X'04' - DISPATCHING OF TCAM TASK MUST BE DELAYED UNTIL	32400002
				6490+*	TCAM I/O APPENDAGE OR SVC ROUTINE HAS COMPLETED	32500002
				6491+*	EXECUTION (TCAM IN MULTIPROCESSING ENVIRONMENT)	32600002
		00002		6492+TCBPIEND EQU	X'02' - SRB IS TO BE SCHEDULED TO PERFORM PIE/PICA	32700402
				6493+*	PROCESSING (FIRST LEVEL INTERRUPT HANDLER)	32700802
				6494+*	MDC026	32701202
0000CE		00001		6495+TCBRV22 EQU	X'01',,C'X' - RESERVED	32702001
				6496+TCBNDSP2 DS	B - - BYTE 2	32800001
		00080		6497+TCBABD EQU	X'80' - ABDUMP IS PROCESSING (OS/VS1)	32900002
		00040		6498+TCBSTPP EQU	X'40' - TASK SET NON-DISPATCHABLE BY SETTASK	33100002
		00020		6499+TCBNDSVC EQU	X'20' - TASK IS NON-DISPATCHABLE BECAUSE SVC DUMP IS	33200002
				6500+*	EXECUTING FOR ANOTHER TASK	33300002
		00010		6501+TCBNDSVC EQU	X'10' - TASK IS NON-DISPATCHABLE BECAUSE IT IS BEING	33400002
				6502+*	SWAPPED OUT	33450002
		00008		6503+TCBIWAIT EQU	X'08' - TASK IS NON-DISPATCHABLE DUE TO AN INPUT WAIT	33500002
		00004		6504+TCBOWAIT EQU	X'04' - TASK IS NON-DISPATCHABLE DUE TO AN OUTPUT WAIT	33600002
		00002		6505+TCBDSS EQU	X'02' - DYNAMIC SUPPORT SYSTEM (DSS) HAS SET THIS	33650002
				6506+*	TASK NON-DISPATCHABLE ICB313	33660002
		00001		6507+TCBABE EQU	X'01' - ABEND ROUTINE WAS ENTERED FOR THIS TASK WHILE	33700002
				6508+*	THE DCB FOR SYSABEND (OR SYSUDUMP) DATA SET WAS	33750002
				6509+*	BEING OPENED FOR ANOTHER TASK (OS/VS1)	33800002
0000CF				6510+TCBNDSP3 DS	B - BYTE 3	34000001
		00080		6511+TCBLJSND EQU	X'80' - TASK IS ABENDING AND NON-DISPATCHABLE BECAUSE IT	34470002
				6512+*	HAS A JOB STEP SUBTASK. TCBONDSP MUST ALSO BE	34480001
				6513+*	ON. (OS/VS2)	34490002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
			00040	6514+TCBRV302 EQU	X'40',,C'X' - RESERVED (WAS TCBSTAND) (OS/VS2)	MDC006 34490402
			00020	6515+TCBSRBND EQU	X'20' - TCB NON-DISPATCHABLE BECAUSE SRB'S ARE STOPPED (OS/VS2)	34490802
				6516+*		MDC045 34491202
			00010	6517+TCBSLPER EQU	X'10' - SET NON-DISPATCHABLE SO THAT SLIP/PER CAN ALTER RB PSW PER BIT (OS/VS2) (MDC340)	34491964
				6518+*		@G64RP9A 34492464
			00008	6519+TCBRSV25 EQU	X'08',,C'X' - RESERVED	34494001
			00004	6520+TCBAREQ EQU	X'04' - TSO AUTHORIZED REQUEST PROCESSING ACTIVE	34494600
				6521+*		@ZA67167 34495200
			00002	6522+TCBRSV27 EQU	X'02',,C'X' - RESERVED	34496001
			00001	6523+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
				6524+*		34498802
				6525+*		MDC075 34499402
0000D0				6526+TCBMDIDS DS	F - RESERVED FOR MODEL-DEPENDENT SUPPORT AND FOR IBM PROPRIETARY PROGRAMMING SUPPORT	34520002
				6527+*		ICBXXX 34550001
0000D4				6528+TCBJSCB DS	0A - ADDRESS OF THE JOB STEP CONTROL BLOCK	34600002
0000D4				6529+TCBRECDE DS	B - ABEND RECURSION BYTE	ICB456 34610001
		00080		6530+TCBREC EQU	X'80' - VALID REENTRY TO ABEND IF NON-ZERO VALUE IN FOLLOWING 7 BITS	34620002
				6531+*		ICB456 34630002
		00001		6532+TCBOPEN EQU	X'01' - OPEN DUMP DATA SET	ICB456 34631001
		00002		6533+TCBCLOSD EQU	X'02' - CLOSE DIRECT SYSOUT ON TAPE	ICB456 34632001
		00003		6534+TCBCLOSE EQU	X'03' - CLOSE OPEN DATA SETS	ICB456 34633001
		00004		6535+TCBCLOSF EQU	X'04' - RESERVED	ICB456 34634001
		00005		6536+TCBGREC EQU	X'05' - GRAPHICS	ICB456 34635001
		00007		6537+TCBADUMP EQU	X'07' - ABDUMP	ICB456 34636001
		00008		6538+TCBPTAXE EQU	X'08' - PURGE TAXE	ICB456 34637001
		00009		6539+TCBMESG EQU	X'09' - MESSAGE RECURSION	ICB456 34638001
		0000A		6540+TCBDYNAM EQU	X'0A' - DD-DYNAM TIOT CLEANUP	ICB456 34639001
		0000B		6541+TCBDAMSG EQU	X'0B' - ABEND IS ISSUING A WTOR ASKING WHETHER THE JOB STEP TASK SHOULD WAIT FOR THE DUMP AREA (OS/VS1)	34639402
				6542+*		34639802
				6543+*		MDC041 34639902
		0000C		6544+TCBQTIP EQU	X'0C' - PURGE TSO INTERPARTITION POSTS	ICB456 34640001
		0000D		6545+TCBTCAMP EQU	X'0D' - PURGE TCAM INTERPARTITION POSTS	ICB456 34641001
		0000E		6546+TCBINDRC EQU	X'0E' - INDICATIVE DUMP (LOAD 8 OF ABEND) HAS ABENDED. ABEND WILL HANDLE THIS ABEND. (OS/VS1)	34641102
				6547+*		MDC050 34641202
		0000F		6548+TCBSAVCD EQU	X'0F' - ASIR RECURSION. SAVE OLD COMPLETION CODE	ICB456 34642002
		00010		6549+TCBTYP1W EQU	X'10' - TYPE 1 MESSAGE WRITE TO PROGRAMMER	ICB456 34643001
		00020		6550+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)	34643103
				6551+*		34643203
				6552+*		@X04DA9A 34643303
		00021		6553+TCBVTAM1 EQU	X'21' - ABEND IS ENTERING FIRST VTAM INTERFACE, ISTRAAA1, FOR TERMINATION OF TASK OR SUBTASK (OS/VS1) (MDC081)	34643403
				6554+*		@X31BH9A 34643503
				6555+*		34643603
		00022		6556+TCBVTAM2 EQU	X'22' - ABEND IS ENTERING SECOND VTAM INTERFACE, ISTRAAA2, BECAUSE ISTRAAA1 ABENDED (OS/VS1) (MDC082)	34643703
				6557+*		@X31BH9A 34648703
				6558+*		34654003
		00023		6559+TCBVTAM3 EQU	X'23' - ABEND IS ENTERING FIRST VTAM INTERFACE, ISTRAAA0, BECAUSE VTAM ABENDED (OS/VS1) (MDC310)	34654203
				6560+*		@X04BH9A 34654403
				6561+*		34654603
		00024		6562+TCBVTAM4 EQU	X'24' - ABEND IS ENTERING SECOND VTAM INTERFACE, ISTRAAA2, BECAUSE ISTRAAA0 ABENDED (OS/VS1) (MDC311)	34654803
				6563+*		@X04BH9A 34655003
				6564+*		34655203
		00030		6565+TCBNOSTA EQU	X'30' - STAE/STAI NOT TO BE HONORED	ICB456 34656003
		00031		6566+TCBSTRET EQU	X'31' - RETURN FROM DUMP PROCESSING	ICB456 34662003
		00032		6567+TCBCONVR EQU	X'32' - CONVERT TO STEP ABEND	ICB456 34668003
		00033		6568+TCBDARET EQU	X'33' - RETURN FROM DAMAGE ASSESSMENT ROUTINES	ICB456 34674003

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
		00034	6569+TCBTYP1R	EQU	X'34' - RETURN FROM TYPE 1 MESSAGE MODULE	ICB456 34680003
		00035	6570+TCBNEWRB	EQU	X'35' - ABEND ISSUED SVC 13 TO TRANSFER CONTROL (XCTL)	34686003
			6571+*		TO A NON-ABEND MODULE	ICB456 34692003
		00040	6572+TCBMCCNS	EQU	X'40' - A MUST COMPLETE TASK HAS ABNORMALLY TERMINATED	34700002
			6573+*		WITHOUT ENOUGH STORAGE FOR 2 RB'S FOR A WTOR	34750001
			6574+*		ASKING WHETHER THE TASK'S RESOURCES ARE	34760002
			6575+*		CRITICAL. THE RESOURCES ARE ASSUMED TO BE	34770002
			6576+*		CRITICAL, AND THE PARTITION IS MARKED	34780002
			6577+*		PERMANENTLY NON-DISPATCHABLE. (OS/VS1)	ICB492 34790002
0000D5			6578+TCBJSCBB	DS	AL3 - ADDRESS OF THE JOB STEP CONTROL BLOCK	34800002
0000D8			6579+TCBDDEXC	DS	H - NUMBER OF TIMES A DYNAMIC DISPATCHING TASK HAS	34801002
			6580+*		HAD ITS TIME SLICE EXPIRE (OS/VS1)	ICB465 34802002
0000DA			6581+TCBDDWTC	DS	H - NUMBER OF TIMES A DYNAMIC DISPATCHING TASK IS	34804002
			6582+*		NOT INTERRUPTED BY THE END OF A TIME SLICE	34805002
			6583+*		BETWEEN WAITS (OS/VS1)	ICB465 34806002
0000DC			6584+TCBIOBRC	DS	A - ADDRESS OF IOB RESTORE CHAIN FOR I/O QUIESCED	34806101
			6585+*		BY EOT	YM2840 34806201
0000E0			6586+TCBEXCPD	DS	A - ADDRESS OF EXCP DEBUG AREA (OS/VS2)	34808002
			6587+*		(MDC083)	YM4297 34828002
0000E4			6588+TCBEXT1	DS	0A - ADDRESS OF OS-OS/VS COMMON TCB EXTENSION	ICB311 34860002
0000E4			6589+TCBRVS32	DS	X - RESERVED	ICB311 34862001
0000E5			6590+TCBEXT1A	DS	AL3 - ADDRESS OF OS-OS/VS COMMON TCB EXTENSION	ICB311 34864002
			6591+*			34880001
			6592+*		OS/VS1 - OS/VS2 COMMON SECTION	34890002
			6593+*			34892001
0000E8			6594+TCBBITS	DS	0BL4 - FLAG BYTES. IF A BIT IN THE FOLLOWING TWO BYTES	34894002
			6595+*		IS SET TO 1, THE PRIMARY NON-DISPATCHABILITY BIT	34894402
			6596+*		(OFFSET 33.7 DECIMAL) IS SET TO 1, AND THE TASK	34894802
			6597+*		IS NON-DISPATCHABLE.	34895202
0000E8			6598+TCBNDSP4	DS	B - SECONDARY NON-DISPATCHABILITY FLAGS COMMON TO	34896002
			6599+*		OS/VS1 AND OS/VS2. COORDINATED WITH PRIMARY	34898002
			6600+*		NON-DISPATCHABILITY FLAG TCBPNDSB. THIS BYTE IS	34898402
			6601+*		NOT CURRENTLY SUPPORTED BY OS/VS2.	MDC076 34898502
		00080	6602+TCBRVS86	EQU	X'80',,C'X' - RESERVED	34898601
		00040	6603+TCBRVS87	EQU	X'40',,C'X' - RESERVED	34898701
		00020	6604+TCBRVS88	EQU	X'20',,C'X' - RESERVED	34898801
		00010	6605+TCBRVS89	EQU	X'10',,C'X' - RESERVED	34899001
		00008	6606+TCBRVS90	EQU	X'08',,C'X' - RESERVED	34899101
		00004	6607+TCBRVS91	EQU	X'04',,C'X' - RESERVED	34899301
		00002	6608+TCBRVS92	EQU	X'02',,C'X' - RESERVED	34899401
		00001	6609+TCBRVS93	EQU	X'01',,C'X' - RESERVED	34899501
0000E9			6610+TCBNDSP5	DS	B - SECONDARY NON-DISPATCHABILITY FLAGS UNIQUE TO	34899602
			6611+*		OS/VS1 OR OS/VS2. COORDINATED WITH PRIMARY	34899702
			6612+*		NON-DISPATCHABILITY FLAG TCBPNDSB. THIS BYTE IS	34899802
			6613+*		NOT CURRENTLY SUPPORTED BY OS/VS2.	MDC077 34902802
		00080	6614+TCBRVS94	EQU	X'80',,C'X' - RESERVED (OS/VS2)	34967302
		00040	6615+TCBRVS95	EQU	X'40',,C'X' - RESERVED (OS/VS2)	34967502
		00020	6616+TCBRVS74	EQU	X'20',,C'X' - RESERVED	34967901
		00010	6617+TCBRVS75	EQU	X'10',,C'X' - RESERVED	34968101
		00008	6618+TCBRVS76	EQU	X'08',,C'X' - RESERVED	34968201
		00004	6619+TCBRVS77	EQU	X'04',,C'X' - RESERVED	34968501
		00002	6620+TCBRVS78	EQU	X'02',,C'X' - RESERVED	34968701
		00001	6621+TCBRVS79	EQU	X'01',,C'X' - RESERVED	MDC075 34968802
0000EA			6622+TCBFLGS6	DS	B - TASK-RELATED FLAGS	34970302
		00080	6623+TCBRV	EQU	X'80' - THE PARTITION IS FIXED IN REAL STORAGE. VIRTUAL	34972302

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				6624+*	ADDRESSES ARE EQUAL TO REAL ADDRESSES.	34974302
		00040		6625+TCBPIE17 EQU	X'40' - PAGE FAULT INTERRUPT IS TO BE PASSED TO THE	34999002
				6626+*	TASK'S INTERRUPT EXIT AND AN 8-BYTE PICA IS IN	34999802
				6627+*	EFFECT FOR THIS TASK (OS/VS2) ICB339	35000602
		00020		6628+TCBCPU EQU	X'20' - TASK IS CPU-BOUND MEMBER OF AUTOMATIC PRIORITY	35008602
				6629+*	GROUP (APG) (OS/VS2)	35009402
		00010		6630+TCBSPVLK EQU	X'10' - TASK SCHEDULED FOR ABTERM WHILE OWNING	35011002
				6631+*	SUPERVISOR LOCK (OS/VS2)	35011402
		00008		6632+TCBRV303 EQU	X'08' , , C'X' - RESERVED (WAS TCBOLSQA) (OS/VS2) MDC014	35012602
		00004		6633+TCBMIGR EQU	X'04' - REGION SELECTED FOR MIGRATION FROM PRIMARY	35013402
				6634+*	PAGING DEVICE (OS/VS2)	35014202
		00002		6635+TCBAPG EQU	X'02' - TASK IS IN AUTOMATIC PRIORITY GROUP (APG)	35015002
				6636+*	(OS/VS2)	35015802
		00001		6637+TCBNTJS EQU	X'01' - JOB STEP TASK BUT NOT HIGHEST IN FAILING TREE	35016602
				6638+*	(OS/VS2)	35018202
0000EB				6639+TCBFLGS7 DS	B - TASK-RELATED FLAGS	35020602
		00080		6640+TCBGPECB EQU	X'80' - TASK IS IN AN ECB WAIT FOR A GETPART	35022202
				6641+*	(OS/VS2) ICB339	35023002
		00040		6642+TCBRSV33 EQU	X'40' , , C'X' - RESERVED (OS/VS2)	35023802
		00020		6643+TCBRSV34 EQU	X'20' , , C'X' - RESERVED (OS/VS2)	35025402
		00010		6644+TCBSTACK EQU	X'10' - SET IN JOB STEP TCB TO INDICATE THAT A TASK IN	35026202
				6645+*	THE JOB STEP IS IN SERIAL ABEND PROCESSING.	35027002
				6646+*	USED IN CONJUNCTION WITH TCBFOINP.	35027802
				6647+*	(OS/VS2) ICB374	35028602
		00008		6648+TCBSVCS EQU	X'08' - RESERVED (MDC315) @Z40EP9A	35029004
		00004		6649+TCBRSTSK EQU	X'04' - RESIDENT SYSTEM TASK (OS/VS2)	35030202
		00002		6650+TCBADMP EQU	X'02' - ALL OTHER TASKS IN JOB STEP HAVE BEEN SET	35031002
				6651+*	NON-DISPATCHABLE BY ABDUMP. THIS BIT IS SET TO	35032602
				6652+*	CONTROL JOB STEP DURING THE DUMPING PROCESS.	35033402
				6653+*	(OS/VS2)	35034202
		00001		6654+TCBGTOFM EQU	X'01' - GENERALIZED TRACE FACILITY (GTF) TRACING HAS	35051002
				6655+*	BEEN TEMPORARILY DISABLED UNDER THIS TASK ICB402	35051802
0000EC				6656+TCBDAR DS	B - - DAMAGE ASSESSMENT ROUTINE (DAR) FLAGS	35052602
		00080		6657+TCBDARP EQU	X'80' - PRIMARY DAR RECURSION. DAR HAS BEEN ENTERED FOR	35054202
				6658+*	THIS TASK.	35054602
		00040		6659+TCBDARS EQU	X'40' - SECONDARY DAR RECURSION. IF DAR IS REENTERED,	35055402
				6660+*	THIS TASK WILL BE SET NON-DISPATCHABLE.	35056602
		00020		6661+TCBDARD EQU	X'20' - A DUMP HAS BEEN REQUESTED FOR A WRITER OR	35057402
				6662+*	SCHEDULER ABEND, AND THE USER HAS PROVIDED NO	35058202
				6663+*	SYSABEND DD CARD (OS/VS1)	35059002
		00010		6664+TCBDARC EQU	X'10' - RECURSION PERMITTED IN CLOSE -	35059802
				6665+*	AFTER DAR PROCESSING COMPLETED (PCP)	35061402
		00010		6666+TCBDARMC EQU	X'10' - DAR HAS BEEN ENTERED TO HANDLE A VALID RECURSION	35061802
				6667+*	IN MUST-COMPLETE STATUS THROUGH ABEND ICB264	35063002
		00008		6668+TCBDARO EQU	X'08' - SYSTEM ERROR TASK IS FAILING. DAR DUMP SHOULD	35063402
				6669+*	NOT REQUEST ANY ERROR RECOVERY PROCEDURE (ERP)	35064602
				6670+*	PROCESSING.	35065402
		00004		6671+TCBDARWT EQU	X'04' - A WTO OPERATION WITH A 'REINSTATEMENT FAILURE'	35066202
				6672+*	MESSAGE IS IN PROCESS FOR DAR ICB264	35067002
		00002		6673+TCBDARMS EQU	X'02' - WTO OPERATION WITH A 'DAR IN PROGRESS' MESSAGE	35068603
				6674+*	IS IN PROCESS FOR DAR (OS/VS1) (MDC314) @XA08316	35069003
		00001		6675+TCBEXSVC EQU	X'01' - THE DUMP SVC ROUTINE IS EXECUTING FOR THIS TASK	35069402
0000ED				6676+TCBRSV37 DS	X - RESERVED FOR USER MDC080	35070202
0000EE				6677+TCBSYSCT DS	FL1 - NUMBER OF OUTSTANDING SYSTEM-MUST-COMPLETE	35071002
				6678+*	REQUESTS (ICB497) YM3883	35071802

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	18.53	04/12/20
0000EF				6679+TCBSTMCT DS	FL1 -	NUMBER OF OUTSTANDING STEP-MUST-COMPLETE				35072602
				6680+*		REQUESTS (ICB497)	YM3883			35073402
0000F0				6681+TCBEXT2 DS	0A -	ADDRESS OF OS/VS1 - OS/VS2 COMMON EXTENSION				35074202
				6682+*			ICB311			35075802
0000F0				6683+TCBRV39 DS	X -	RESERVED	ICB311			35076602
0000F1				6684+TCBEXT2A DS	AL3 -	ADDRESS OF OS/VS1 - OS/VS2 COMMON EXTENSION				35077402
				6685+*			ICB311			35078202
				6686+*						35093102
				6687+*		OS/VS2 TCB OVERLAY				35094602
				6688+*						35095202
0000F4				6689+TCBAECB DS	F -	ABEND ECB. POSTED BY A MOTHER TASK IN RTM2				35095802
				6690+*		PROCESSING WHEN A DAUGHTER IS WAITING TO				35096602
				6691+*		TERMINATE IT.	MDC033			35097602
0000F8				6692+TCBTIRB DS	A -	ADDRESS OF TIRB FOR TASK				35098602
0000FC				6693+TCBBACK DS	A -	ADDRESS OF PREVIOUS TCB ON READY QUEUE. ZERO				35099502
				6694+*		IN TOP TCB.				35100402
000100				6695+TCBRTWA DS	A -	POINTER TO CURRENT RTM2 WORK AREA	MDC034			35101302
000104				6696+TCBIOTIM DS	F -	TIME IN 16-MICROSECOND UNITS BETWEEN TIME				35102202
				6697+*		ORIGINAL TIME SLICE INTERVAL WAS ASSIGNED AND				35103102
				6698+*		TIME AUTOMATIC PRIORITY GROUP (APG) TASK WENT				35104002
				6699+*		INTO VOLUNTARY WAIT				35104902
000108				6700+TCBTMSAV DS	F -	TIME IN 16-MICROSECOND UNITS REMAINING FROM				35105802
				6701+*		ORIGINAL TIME SLICE INTERVAL WHEN AUTOMATIC				35106702
				6702+*		PRIORITY GROUP (APG) TASK WAS LAST DISPATCHED				35107602
00010C				6703+TCBABCUR DS	C -	ABEND RECURSION BYTE				35108502
00010D				6704+TCBRVAA DS	FL1 -	RESERVED (ICB497)	YM3883			35110001
00010E				6705+TCBTID DS	C -	TASK ID NUMBER	ICB374			35112201
		000FF		6706+TCBPAGID EQU	255 -	ID FOR PAGING SUPERVISOR TASK	ICB403			35112301
		000FE		6707+TCBSYERR EQU	254 -	ID FOR SYSTEM ERROR TASK	ICB403			35112401
		000FD		6708+TCBCOMM EQU	253 -	ID FOR COMMUNICATIONS TASK	ICB403			35112501
		000FC		6709+TCBIORMS EQU	252 -	ID FOR I/O RMS TASK	ICB403			35112601
		000FB		6710+TCBMASTR EQU	251 -	ID FOR MASTER SCHEDULER TASK	ICB403			35112701
		000FA		6711+TCBJES EQU	250 -	ID FOR JOB ENTRY SUBSYSTEM (JES) MONITOR TASK				35112802
				6712+*			ICB403			35113602
		000F9		6713+TCBDSSID EQU	249 -	ID FOR DYNAMIC SUPPORT SYSTEM (DSS) TASK	ICB403			35116502
		000F8		6714+TCBLOGID EQU	248 -	ID FOR SYSTEM LOG TASK	MDC001			35117302
00010F				6715+TCBRV41 DS	X -	RESERVED	ICB374			35118102
000110				6716+TCBXSCT DS	0F -	DISPATCHER INTERSECT CONTROL WORD				35118940
				6717+*		(MDC322)	@Z40FP9A			35119040
000110				6718+TCBXSCT1 DS	B -	FLAG BYTE (MDC323)	@Z40FP9A			35119140
		00080		6719+TCBACTIV EQU	X'80' -	BIT ON MEANS THIS TCB IS CURRENTLY ACTIVE ON A				35119240
				6720+*		CPU. USED TO SYNCHRONIZE SOME STATUS SAVING AND				35119340
				6721+*		DISPATCHABILITY INDICATORS WHEN ACTIVE OR NOT				35119440
				6722+*		UNDER THE LOCAL LOCK. (MDC320)	@Z40FP9A			35119540
		00040		6723+TCBS3A EQU	X'40' -	STAGE 3 EXIT EFFECTOR/RESUME/TCTL INTERSECT FLAG				35119640
				6724+*		(MDC324)	@Z40FP9A			35119740
		00020		6725+TCBRV319 EQU	X'20',,C'X' -	RESERVED	@Z40FP9A			35119840
		00010		6726+TCBRV320 EQU	X'10',,C'X' -	RESERVED	@Z40FP9A			35119940
		00008		6727+TCBRV321 EQU	X'08',,C'X' -	RESERVED	@Z40FP9A			35120040
		00004		6728+TCBRV322 EQU	X'04',,C'X' -	RESERVED	@Z40FP9A			35120140
		00002		6729+TCBRV323 EQU	X'02',,C'X' -	RESERVED	@Z40FP9A			35120240
		00001		6730+TCBRV324 EQU	X'01',,C'X' -	RESERVED	@Z40FP9A			35120340
000111				6731+TCBRV325 DS	B -	RESERVED (MDC325)	@Z40FP9A			35120440
000112				6732+TCBCCPVI DS	H -	ID OF THE CURRENT CPU RUNNING THIS TASK. USED				35120540
				6733+*		FOR RECOVERY AND CPU AFFINITY. (MDC321)	@Z40FP9A			35120640

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
000114				6734+TCBFOE	DS	0A - ADDRESS OF FIRST FIX OWNERSHIP ELEMENT (FOE)	35121040
				6735+*		IN LIST FOR THIS TASK	ICB339 35121140
000114				6736+TCBRV42	DS	X - RESERVED	ICB339 35121240
000115				6737+TCBFOEA	DS	AL3 - ADDRESS OF FIRST FIX OWNERSHIP ELEMENT (FOE)	35121302
				6738+*		IN LIST FOR THIS TASK	ICB339 35122401
000118				6739+TCBSWA	DS	A - ADDRESS OF FIRST SCHEDULER WORK AREA (SWA) SPQE	35122904
				6740+*		ON SWA SPQE CHAIN (MDC326)	@Z40AQ9A 35123404
00011C				6741+TCBSTAWA	DS	A - ESTAE ROUTINE WORK AREA POINTER	35125340
				6742+*		(MDC327)	@Z40FP9A 35125540
000120				6743+TCBTCBID	DS	CL4 - CONTAINS BLOCK ID - 'TCB '	MDC012 35126102
000124				6744+TCBRTM12	DS	A - POINTER TO PARAMETER AREAS PASSED FROM RTM1 TO	35126902
				6745+*		RTM2	MDC008 35127702
000128				6746+TCBESTAE	DS	0XL4 - AREA TO CONTAIN RECOVERY DATA FOR RTM	MDC029 35128502
000128				6747+TCBSCBKY	DS	C - KEY IN WHICH SYNCH IS TO PASS CONTROL TO THE	35129364
				6748+*		USER EXIT (MDC353)	@ZM49654 35129864
000129				6749+TCBESTRM	DS	B - ESTAE TERM OPTIONS	MDC039 35130902
		00080		6750+TCBETERM	EQU	X'80' - ESTAE EXIT ENTERED WITH TERM OPTION	MDC040 35131702
		00040		6751+TCBSTAFX	EQU	X'40' - SERIALIZED BY TCB ACTIVE (MDC342)	@ZA30005 35132500
		00020		6752+TCBRV309	EQU	X'20',,C'X' - RESERVED	35133302
		00010		6753+TCBRV310	EQU	X'10',,C'X' - RESERVED	35134102
		00008		6754+TCBRV311	EQU	X'08',,C'X' - RESERVED	35134902
		00004		6755+TCBRV312	EQU	X'04',,C'X' - RESERVED	35135702
		00002		6756+TCBRV313	EQU	X'02',,C'X' - RESERVED	35136502
		00001		6757+TCBRV314	EQU	X'01',,C'X' - RESERVED	35137302
00012A				6758+TCBERTYP	DS	FL1 - TYPE OF ERROR CAUSING ENTRY TO THE RTM. SET	35138102
				6759+*		BY RTM1.	MDC052 35138902
00012B				6760+TCBMODE	DS	FL1 - MASK INDICATING MODE OF SYSTEM AT TIME OF ERROR.	35140902
				6761+*		SEE IHART1W/MODE FOR INDIVIDUAL BIT DEFINITIONS.	35141302
				6762+*			MDC064 35141402
00012C				6763+TCBUKYSP	DS	A - ADDRESS OF SPQE'S FOR SUBPOOLS 229 AND 230	35141802
				6764+*		(USER KEY STORAGE IN THE PRIVATE AREA)	MDC067 35142202
000130				6765+TCBRV326	DS	H - RESERVED (MDC321)	@Z40FP9A 35142440
000132				6766+TCBAFFN	DS	BL2 - CPU AFFINITY INDICATOR	MDC047 35144002
000134				6767+TCBFBYT1	DS	B - FLAG BYTE	MDC002 35144802
		00080		6768+TCBEOTFM	EQU	X'80' - END OF TASK FLAG FOR FREEMAIN. SET TO 1 BY TASK	35145602
				6769+*		TERMINATION AT START OF TERMINATION PROCESSING	35146402
				6770+*		AND RESET TO 0 AT FINISH. INDICATES THAT A	35147202
				6771+*		FREEMAIN ON A BLOCK OF LOCAL STORAGE THAT IS	35148002
				6772+*		STILL FIXED BY RSM SHOULD RESULT IN A RETURN	35148802
				6773+*		CODE OF 8 RATHER THAN ABNORMAL TERMINATION.	35149602
				6774+*			MDC002 35150402
		00040		6775+TCBRV327	EQU	X'40',,C'X' - RESERVED (MDC320)	@Z40FP9A 35151240
		00020		6776+TCBNDIOS	EQU	X'20' - TASK HAS BEEN SET NON-DISPATCHABLE VIA STATUSND	35154402
				6777+*		WHILE SVC 16 (PURGE) SCANS THE RB CHAIN PURGING	35155202
				6778+*		APPENDAGE-SCHEDULED ASYNCHRONOUS EXIT ROUTINES	35156002
				6779+*		RUNNING UNDER AN IRB/RQE OR NON-RESIDENT ERP'S	35156802
				6780+*		RUNNING UNDER THE SIRB.	MDC005 35157602
		00010		6781+TCBPGNLY	EQU	X'10' - SET BY RTM2 TO INDICATE ONLY PURGE PHASE TO BE	35158402
				6782+*		PERFORMED	MDC009 35159202
		00008		6783+TCBRTM2	EQU	X'08' - SET BY RTM2 TO INDICATE RTM2 HAS BEEN ENTERED	35160002
				6784+*		FOR THIS TASK	MDC010 35160802
		00004		6785+TCBEOT	EQU	X'04' - SET BY RTM2 TO INDICATE TO EXIT THAT END OF TASK	35161602
				6786+*		PROCESSING IS COMPLETE	MDC011 35162402
		00002		6787+TCBRV113	EQU	X'02',,C'X' - RESERVED	35163202
		00001		6788+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 18.53 04/12/20
000135		00080		6789+*	REQUIRED (FIRST LEVEL INTERRUPT HANDLER)	MDC027 35164802
				6790+TCBFBYT2 DS	B - FLAG BYTE	MDC035 35165602
				6791+TCBCNCB EQU	X'80' - SET BY RTM2 IN THE JOB STEP TCB WHEN IT HAS BEEN	35166402
				6792+*	ENTERED ON THE TCB FOR AN X22 ABEND	MDC036 35167202
				00040 6793+TCBFMW EQU	X'40' - MOTHER WAITING FLAG. TURNED ON IN A SUBTASK IN	35168002
				6794+*	RTM2 PROCESSING WHEN AN ANCESTOR TASK IS WAITING	35168802
				6795+*	TO ABEND IT.	MDC037 35169602
				00020 6796+TCBFDW EQU	X'20' - DAUGHTER WAITING FLAG. TURNED ON IN A MOTHER	35170402
				6797+*	TASK IN RTM2 PROCESSING WHEN A DAUGHTER IS	35171202
				6798+*	WAITING TO ABEND IT.	MDC038 35172002
				00010 6799+TCBFPRAP EQU	X'10' - SET BY RTM2 TO PREVENT PERCOLATION TO THE TASK	35172802
				6800+*	OF AN ASYNCHRONOUS ABEND	MDC051 35173602
				00008 6801+TCBSSSYN EQU	X'08' - SYNCHRONIZED STATUS STOP PENDING FOR THIS TCB	35174002
				6802+*		MDC053 35174402
000136		00004		6803+TCBECBNV EQU	X'04' - IF 1, ECB POINTED TO BY TCBECEB IS NOT TO BE	35174802
				6804+*	VALIDITY CHECKED. IF 0, ECB POINTED TO BY	35175202
				6805+*	TCBECEB IS TO BE VALIDITY CHECKED.	MDC071 35175602
				00002 6806+TCBRV122 EQU	X'02' , , C'X' - RESERVED	35176002
				00001 6807+TCBRV123 EQU	X'01' , , C'X' - RESERVED	35176802
				6808+TCBRV124 DS	B - RESERVED (MDC306)	35177604
				00080 6809+TCBRV125 EQU	X'80' , , C'X' - RESERVED (MDC307)	35178204
				00040 6810+TCBRV126 EQU	X'40' , , C'X' - RESERVED (MDC308)	35179604
				00020 6811+TCBRV127 EQU	X'20' , , C'X' - RESERVED	35180002
				00010 6812+TCBRV128 EQU	X'10' , , C'X' - RESERVED	35180802
				00008 6813+TCBRV129 EQU	X'08' , , C'X' - RESERVED	35181602
				00004 6814+TCBRV130 EQU	X'04' , , C'X' - RESERVED	35182402
				00002 6815+TCBRV131 EQU	X'02' , , C'X' - RESERVED	35183202
				00001 6816+TCBRV132 EQU	X'01' , , C'X' - RESERVED	35184002
000137		00080		6817+TCBRV133 DS	B - RESERVED	35184802
				6818+TCBRV134 EQU	X'80' , , C'X' - RESERVED	35185602
				00040 6819+TCBRV135 EQU	X'40' , , C'X' - RESERVED	35186402
				00020 6820+TCBRV136 EQU	X'20' , , C'X' - RESERVED	35187202
				00010 6821+TCBRV137 EQU	X'10' , , C'X' - RESERVED	35188002
				00008 6822+TCBRV138 EQU	X'08' , , C'X' - RESERVED	35188802
				00004 6823+TCBRV139 EQU	X'04' , , C'X' - RESERVED	35189602
				00002 6824+TCBRV140 EQU	X'02' , , C'X' - RESERVED	35190402
				00001 6825+TCBRV141 EQU	X'01' , , C'X' - RESERVED	35191202
				6826+TCBRPT DS	A - ADDRESS OF RADIX PARTITION TREE FOR LOCAL	35191602
				6827+*	STORAGE MANAGEMENT	MDC068 35192002
				00013C 6828+TCBVAT DS	A - ADDRESS OF THE VAT (VSAM). THERE IS ONE @ZA63673	35192400
				6829+*	VAT PER JOB STEP TCB.	@ZA63673 35192800
				000140 6830+TCBSWASA DS	A - ADDRESS OF SAVE AREA USED BY SWA MANAGER	MDC079 35193202
000144 000148		00128		6831+TCBSVCA2 DS	A - RESERVED (MDC317)	@Z40EP9A 35193504
				6832+ DS	0D	35196002
				6833+TCBMNLEN EQU	*-TCB - LENGTH OF MAIN SECTION OF TCB	35196802
				6834+*		35197602
				6835+*	OS/VS1 - OS/VS2 COMMON EXTENSION	35198402
				6836+*	ADDRESS OF EXTENSION IS IN TCBEXT2	35199202
				6837+*		35200002
				000000 6838+TCBXTNT2 DSECT	, - START OF EXTENSION	35201602
				000000 6839+TCBGTF DS	0A - ADDRESS OF GENERALIZED TRACE FACILITY (GTF)	35205602
				6840+*	TEMPORARY TRACE BUFFER	ICB312 35206002
				000000 6841+TCBTFLG DS	B - GTF FLAG BYTE	ICB312 35206402
				00080 6842+TCBASYNC EQU	X'80' - GTF ASYNCHRONOUS GATHER ROUTINE IS IN CONTROL	35207202
				6843+*		ICB312 35207602

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
			00040	6844+TCBERRTN	EQU	X'40' - GTF ASYNCHRONOUS GATHER ERROR ROUTINE IS IN	35208002
				6845+*		CONTROL ICB312	35208802
			00020	6846+TCBDSPIT	EQU	X'20' - MACHINE CHECK INTERRUPTION HANDLER SHOULD	35209602
				6847+*		UNCONDITIONALLY BRANCH TO THE DISPATCHER ICB312	35210402
			00010	6848+TCBRV43	EQU	X'10' ,,,C'X' - RESERVED	35211202
			00008	6849+TCBRV44	EQU	X'08' ,,,C'X' - RESERVED	35212002
			00004	6850+TCBRV45	EQU	X'04' ,,,C'X' - RESERVED	35212802
			00002	6851+TCBRV46	EQU	X'02' ,,,C'X' - RESERVED	35213602
			00001	6852+TCBRV47	EQU	X'01' ,,,C'X' - RESERVED	35214402
000001				6853+TCBGTF	DS	AL3 - ADDRESS OF GTF TEMPORARY TRACE BUFFER ICB312	35215202
000004				6854+TCBRVAB	DS	FL1 - RESERVED (ICB497) YM3883	35216002
000005				6855+TCBRCMP	DS	BL3 - MOST RECENT ABEND COMPLETION CODE (INCLUDING	35216802
				6856+*		VALID RECURSIONS IN STAE) ICB411	35217602
000008				6857+TCBEVENT	DS	A - ADDRESS OF EVENT TABLES QUEUE (MDC304) @X31ED9A	35219203
00000C				6858+TCBRV49	DS	F - RESERVED	35220002
000010				6859+TCBRV142	DS	A - RESERVED	35220802
000014				6860+TCBCAUF	DS	A - ADDRESS OF SUBSYSTEM FACILITY CONTROL BLOCK	35221640
				6861+*		(OS/VS2) (MDC345) @ZA27912	35221840
000018				6862+TCBRV144	DS	H - RESERVED	35222402
00001A				6863+TCBRV145	DS	H - RESERVED	35223202
00001C				6864+TCBRV146	DS	B - RESERVED	35224002
			00080	6865+TCBRV147	EQU	X'80' ,,,C'X' - RESERVED	35224802
			00040	6866+TCBRV148	EQU	X'40' ,,,C'X' - RESERVED	35225602
			00020	6867+TCBRV149	EQU	X'20' ,,,C'X' - RESERVED	35226402
			00010	6868+TCBRV150	EQU	X'10' ,,,C'X' - RESERVED	35227202
			00008	6869+TCBRV151	EQU	X'08' ,,,C'X' - RESERVED	35228002
			00004	6870+TCBRV152	EQU	X'04' ,,,C'X' - RESERVED	35228802
			00002	6871+TCBRV153	EQU	X'02' ,,,C'X' - RESERVED	35229602
			00001	6872+TCBRV154	EQU	X'01' ,,,C'X' - RESERVED	35230402
00001D				6873+TCBRV155	DS	B - RESERVED	35231202
			00080	6874+TCBRV156	EQU	X'80' ,,,C'X' - RESERVED	35232002
			00040	6875+TCBRV157	EQU	X'40' ,,,C'X' - RESERVED	35232802
			00020	6876+TCBRV158	EQU	X'20' ,,,C'X' - RESERVED	35233602
			00010	6877+TCBRV159	EQU	X'10' ,,,C'X' - RESERVED	35234402
			00008	6878+TCBRV160	EQU	X'08' ,,,C'X' - RESERVED	35235202
			00004	6879+TCBRV161	EQU	X'04' ,,,C'X' - RESERVED	35236002
			00002	6880+TCBRV162	EQU	X'02' ,,,C'X' - RESERVED	35236802
			00001	6881+TCBRV163	EQU	X'01' ,,,C'X' - RESERVED	35237602
00001E				6882+TCBRV164	DS	B - RESERVED	35238402
			00080	6883+TCBRV165	EQU	X'80' ,,,C'X' - RESERVED	35239202
			00040	6884+TCBRV166	EQU	X'40' ,,,C'X' - RESERVED	35240002
			00020	6885+TCBRV167	EQU	X'20' ,,,C'X' - RESERVED	35240802
			00010	6886+TCBRV168	EQU	X'10' ,,,C'X' - RESERVED	35241602
			00008	6887+TCBRV169	EQU	X'08' ,,,C'X' - RESERVED	35242402
			00004	6888+TCBRV170	EQU	X'04' ,,,C'X' - RESERVED	35243202
			00002	6889+TCBRV171	EQU	X'02' ,,,C'X' - RESERVED	35244002
			00001	6890+TCBRV172	EQU	X'01' ,,,C'X' - RESERVED	35244802
00001F				6891+TCBRV173	DS	B - RESERVED	35245602
			00080	6892+TCBRV174	EQU	X'80' ,,,C'X' - RESERVED	35246402
			00040	6893+TCBRV175	EQU	X'40' ,,,C'X' - RESERVED	35247202
			00020	6894+TCBRV176	EQU	X'20' ,,,C'X' - RESERVED	35248002
			00010	6895+TCBRV177	EQU	X'10' ,,,C'X' - RESERVED	35248802
			00008	6896+TCBRV178	EQU	X'08' ,,,C'X' - RESERVED	35249602
			00004	6897+TCBRV179	EQU	X'04' ,,,C'X' - RESERVED	35250402
			00002	6898+TCBRV180	EQU	X'02' ,,,C'X' - RESERVED	35251202

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
			00001	6899+TCBRV181 EQU	X'01',,C'X' - RESERVED	35252002
000020			6901+	DS	0D - FORCE LENGTH EQUATE TO DOUBLE WORD	ICB362 35253602
			00020	6902+TCBX2LEN EQU	*-TCBXTNT2 LENGTH OF COMMON EXTENSION	35254402
			00168	6904+TCBLEN EQU	TCBPXLEN+TCBMNLEN+TCBX2LEN - TCB LENGTH INCLUDING	35256002
				6905+*	PREFIX (VALID IF SYS=AOS1 OR SYS=AOS2, BUT	35256802
				6906+*	NOT VALID IF SYS=BOTH)	35257602
				6907+*		35258402
				6908+*	END OF TCB	35259202
				6909+	POP PRINT	35259602

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
000000				6911	TIOT DSECT	LB1010g
				6912	IEFTIOT1	LB1010g
				6913+	%TIOTL1 : ;	01550001
				6914+	*	01600001
				6915+	/* ***** */	01650001
				6916+	/* TASK INPUT/OUTPUT TABLE */	01700001
				6917+	/*	01750001
				6918+	/* OS/VS1 RELEASE 4, OS/VS2 RELEASE 3, 09/30/74, LEVEL=1 */	01800003
				6919+	/*	01850001
				6920+	/* METHOD OF ACCESS */	01900001
				6921+	/* BAL - A DSECT CARD SHOULD PRECEDE MACRO CALL. USING ON */	01950001
				6922+	/* TIOT1 GIVES ADDRESSABILITY FOR ALL SYMBOLS. */	01960001
				6923+	/* PL/S - DCL TIOTPTR PTR */	01970001
				6924+	/* ***** */	01980001
				6925+	%GOTO TIOTL2; /*	01990001
000000				6927+	DS 0F	02000001
		00000		6928+	TIOT1 EQU * -	02500002
000000				6929+	TIOCNJOB DS CL8 -	03000002
000008				6930+	TIOCSTEP DS CL16 -	03500002
				6931+	*	03550002
				6932+	*	03600002
				6933+	*	03650002
				6934+	*	03700002
				6935+	*	03750002
				6937+	*****	04000001
				6938+	*	04500003
				6939+	DD ENTRY	05000002
				6940+	*	05050002
				6941+	*	05100002
				6942+	*	05150002
				6943+	*	05200002
				6944+	*	05250002
				6945+	*	05500001
				6946+	*	06000002
				6947+	*	06500002
				6948+	*	07000003
				6949+	*****	07500001
000018		00018		6951+	TIONENTRY EQU * -	08000002
				6952+	TIOELNGH DS FL1 -	08500002
				6953+	*	08550002
000019				6954+	TIOESTTA DS B -	09000002
		00080		6955+	TIOSLTYP EQU X'80' -	09500003
				6956+	*	09550003
		00040		6957+	TIOSPLTP EQU X'40' -	10000002
				6958+	*	10050002
				6959+	*	10100002
				6960+	*	10150002
				6961+	*	10200002
		00020		6962+	TIOSPLTS EQU X'20' -	10500002
				6963+	*	10550002
				6964+	*	10600002
				6965+	*	10650002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				6966+*	UNLOADING.	10700002
		00010		6967+TIOSJBLB EQU	X'10' - JOBLIB INDICATOR	11000002
		00008		6968+TIOSDADS EQU	X'08' - DADSM ALLOCATION NECESSRY	11500002
		00004		6969+TIOSLABL EQU	X'04' - LABELED TAPE. IF BIT 0 IS OFF, SL OR	12000002
				6970+*	SUL. IF BIT 0 IS ALSO ON, AL OR AUL.	12050002
		00002		6971+TIOSDSP1 EQU	X'02' - REWIND/UNLOAD THE TAPE VOLUME (TAPE)	12500002
				6972+*	PRIVATE VOLUME (DIRECT ACCESS) MDC001	12550002
		00001		6973+TIOSDSP2 EQU	X'01' - REWIND THE TAPE VOLUME (TAPE)	13000002
				6974+*	PUBLIC VOLUME (DIRECT ACCESS) MDC002	13050002
00001A				6975+TIOERLOC DS	0CL2 - RELATIVE LOCATION OF POOL	15500002
00001A				6976+TIOEWTCT DS	CL1 - DURING ALLOCATION, NUMBER OF DEVICES	16000002
				6977+*	REQUESTED FOR THIS DATA SET	16050002
00001B				6978+TIOELINK DS	CL1 - DURING ALLOCATION, LINK TO THE	17500002
				6979+*	APPROPRIATE PRIME SPLIT, UNIT AFFINITY,	17550002
				6980+*	VOLUME AFFINITY OR SUBALLOCATE TIOT	17600002
				6981+*	ENTRY. AFTER ALLOCATION, FLAG BYTE.	17650002
		00080		6982+TIOSYOUT EQU	X'80' - THIS IS A SYSOUT DATA SET THAT CONTAINS	20500002
				6983+*	DATA (AFTER CLOSE)	20550002
		00040		6984+TIOTRV01 EQU	X'40' - RESERVED MDC006	21000002
		00020		6985+TIOOTTERM EQU	X'20' - DEVICE IS A TERMINAL	21500002
		00010		6986+TIOEDYNM EQU	X'10' - DYNAM CODED ON DD STATEMENT	22000002
		00008		6987+TIOEQNAM EQU	X'08' - QNAME CODED ON DD STATEMENT	22500002
		00004		6988+TIOESYIN EQU	X'04' - ENTRY FOR SPOOLED SYSIN DATA SET	22550002
				6989+*	(OS/VS1) MDC003	22560002
		00002		6990+TIOESYOT EQU	X'02' - ENTRY FOR SPOOLED SYSOUT DATA SET	22600002
				6991+*	(OS/VS1) MDC004	22602002
		00002		6992+TIOESSDS EQU	X'02' - ENTRY FOR A SUBSYSTEM DATA SET	22610002
				6993+*	(OS/VS2) MDC005	22620002
		00001		6994+TIOOTREM EQU	X'01' - ENTRY FOR A REMOTE DEVICE ICB340	22650002
00001C				6995+TIOEDDNM DS	CL8 - DD NAME	24000002
000024				6996+TIOEJFCB DS	CL3 - RELATIVE TRACK ADDRESS (TTR) OF THE JFCB.	24500002
				6997+*	(DURING ALLOCATION, TTR OF THE SIOT IF	24550002
				6998+*	SUBALLOCATE WAS REQUESTED.)	24600002
000027				6999+TIOESTTC DS	B - STATUS BYTE C. USED DURING ALLOCATION	25000002
				7000+*	ONLY. SET TO ZEROS AT END OF ALLOCATION.	25050002
		00080		7001+TIOSDKCR EQU	X'80' - MAIN STORAGE OR DASD ADDRESS	25500002
		00040		7002+TIOSDEFR EQU	X'40' - DEFERRED MOUNT	26000002
		00020		7003+TIOSAFFP EQU	X'20' - PRIMARY UNIT AFFINITY	26500002
		00010		7004+TIOSAFFS EQU	X'10' - SECONDARY UNIT AFFINITY	27000002
		00008		7005+TIOSVOLP EQU	X'08' - PRIMARY VOLUME AFFINITY	27500002
		00004		7006+TIOSVOLS EQU	X'04' - SECONDARY VOLUME AFFINITY	28000002
		00002		7007+TIOSBALP EQU	X'02' - PRIMARY SUBALLOCATE	28500002
		00001		7008+TIOSBALS EQU	X'01' - SECONDARY SUBALLOCATE	29000002
				7010+*****		29500001
				7011+*		* 30000003
				7012+*	DEVICE ENTRIES	* 30500002
				7013+*		* 31000001
				7014+*	1. DURING ALLOCATION -	* 31500002
				7015+*	ONE DEVICE ENTRY FOR EACH DEVICE REQUIRED, OR FOR	* 32000001
				7016+*	EACH PUBLIC DEVICE ELIGIBLE.	* 32500001
				7017+*		* 33000001
				7018+*	2. DURING PROBLEM PROGRAM -	* 33500002
				7019+*	ONE DEVICE ENTRY FOR EACH ALLOCATED DEVICE.	* 34000002
				7020+*		* 34500001

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				7021+	*****	35000001
000028				7023+TIOESTTB DS	B - STATUS BYTE B - DURING ALLOCATION AND	35500002
				7024+*	DURING PROBLEM PROGRAM	35550002
		00080		7025+TIOSUSED EQU	X'80' - DATA SET IS ON DEVICE	36000002
		00040		7026+TIOSREQD EQU	X'40' - DATA SET WILL USE DEVICE	36500002
		00020		7027+TIOSPVIO EQU	X'20' - DEVICE VIOLATES SEPARATION	37000002
		00010		7028+TIOSVLSR EQU	X'10' - VOLUME SERIAL PRESENT	37500002
		00008		7029+TIOSSETU EQU	X'08' - SETUP MESSAGE REQUIRED	38000002
		00004		7030+TIOSMNTD EQU	X'04' - IF 0, DELETE UNLOADED VOLUME IF UNLOAD	38500002
				7031+*	REQUIRED. IF 1, RETAIN UNLOADED VOLUME	38550002
				7032+*	IF UNLOAD REQUIRED.	38600002
		00002		7033+TIOSUNLD EQU	X'02' - UNLOAD REQUIRED	39000002
		00001		7034+TIOSVERF EQU	X'01' - VERIFICATION REQUIRED	39500002
000029				7035+TIOEFSRT DS	AL3 - DURING PROBLEM PROGRAM, ADDRESS OF UCB.	40000002
				7036+*	DURING ALLOCATION, BITS 0-11 CONTAIN	40050002
				7037+*	OFFSET, IN THE UCB LOOK-UP TABLE, TO AN	40100002
				7038+*	ADDRESS FOR A DEVICE REQUIRED OR ELIGIBLE	40150002
				7039+*	FOR THIS DATA SET. THE UCB LOOK-UP TABLE	40200002
				7040+*	HAS ADDRESSES OF UCB'S. BITS 12-23	40250002
				7041+*	CONTAIN OFFSET, IN THE STEP VOLUME TABLE	40300002
				7042+*	(VOLT), TO THE VOLUME SERIAL NUMBER FOR	40350002
				7043+*	THE VOLUME REQUIRED OR ELIGIBLE FOR THIS	40400002
				7044+*	DATA SET.	40450002
				7046+*	TIOT POOL ENTRY	40500001
		0002C		7048+POOLSTAR EQU	* 41000001	
00002C				7049+	DS CL1 - RESERVED	41500002
00002D				7050+TIOPNSLT DS	FL1 - NUMBER OF SLOTS FOR POOL	42000002
00002E				7051+	DS CL1 - RESERVED	42500002
00002F				7052+TIOPNSRT DS	FL1 - NUMBER OF DEVICES (FILLED SLOTS)	43000002
000030				7053+TIOPPOOL DS	CL8 - POOL NAME	44000002
000038				7054+TIOPSTTB DS	XL1 - STATUS OF SLOT	44500002
000039				7055+TIOPSL0T DS	AL3 - UCB ADDRESS OR EMPTY SLOT	45000002
00003C				7056+TIOTFEND DS	CL4 - FINAL END OF THE TIOT - BINARY ZEROS	45500002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
000000				7058 JFCB	DSECT	LB1010g
				7059	IEFJFCBN LIST=YES Job File Control Block	LB1010g
				7060+*%JFCBL1 :		00350000
				7061+*		00360000
				7062+*/	*****	*/ 00400000
				7063+*/		*/ 00500000
				7064+*/	JOB FILE CONTROL BLOCK	*/ 00600000
				7065+*/		*/ 00700000
				7066+*/	OS/VS2 038 PTF @YA05186	*/ 00705000
				7067+*/		*/ 00762000
				7068+*/	METHOD OF ACCESS	*/ 00772000
				7069+*/	BAL - A DSECT CARD SHOULD PRECEDE MACRO CALL. USING ON	*/ 00782000
				7070+*/	INFMJFCB GIVES ADDRESSABILITY FOR ALL SYMBOLS.	*/ 00792000
				7071+*/	PL/S - DCL JFCBPTR PTR	*/ 00794000
				7072+*/		*/ 00796000
				7073+*/	F.E.'S	*/ 00798000
				7074+*/	MICROFICHE LISTING - IEFJFCBN	*/ 00798400
				7075+*/		*/ 00798800
				7076+*/	DEVELOPERS	*/ 00799200
				7077+*/	BAL LISTING - SPECIFY LIST=YES ON MACRO CALL.	*/ 00799600
				7078+*/	PL/S LISTING - SPECIFY %IHALIST='YES' BEFORE INCLUDE.	*/ 00799700
				7079+*/		*/ 00799800
				7080+*/	FOR INTEGRATION A LISTING SHOULD NOT BE REQUESTED.	*/ 00799900
				7081+*/		*/ 00800100
				7082+*/	CHANGE ACTIVITY = YA05186 @YA05186	*/ 00800300
				7083+*/		*/ 00800500
				7084+*/	A - DECLARED STRUCTURE TO THE JFCAMPTR FIELD. THE @YA05186	*/ 00800700
				7085+*/	STRUCTURE SHOWS THE PLACEMENT OF THE SVA WITHIN @YA05186	*/ 00800900
				7086+*/	THE 4 CHARACTER FIELD. @YA05186	*/ 00801100
				7087+*/	*****	*/ 00801300
				7088+*%GOTO JFCBL2; /*		00802000
				7089+	PUSH PRINT	00802400
000000				7091+	DS 0F	00810000
				7092+INFMJFCB EQU	*	00900000
000000			00000	7093+JFCBQNAM DS	0CL8 - PROCESS QUEUE NAME SPECIFIED BY THE QNAME	00910000
				7094+*	KEYWORD (TCAM)	00920000
000000				7095+JFCBDSNM DS	CL44 - DATA SET NAME	01000000
00002C				7096+JFCIPLTX DS	0CL7 - MODULE NAME OF NETWORK CONTROL PROGRAM (TCAM)	01050000
				7097+*	ICB391	01060000
00002C				7098+JFCBELNM DS	CL8 - ELEMENT NAME OR RELATIVE GENERATION NUMBER.	01100000
				7099+*	TYPE OF AREA (INDEX, PRIME OR OVERFLOW) FOR	01200000
				7100+*	AN INDEXED SEQUENTIAL DATA SET ONLY.	01300000
000034				7101+JFCBTSDM DS	B - JOB MANAGEMENT/DATA MANAGEMENT INTERFACE	01400000
		00080		7102+JFCCAT EQU	X'80' - DATA SET IS CATALOGED	01500000
		00040		7103+JFCVSL EQU	X'40' - VOLUME SERIAL LIST HAS BEEN CHANGED	01600000
		00020		7104+JFCSDS EQU	X'20' - DATA SET IS A SYSIN OR SYSOUT DATA SET	01700000
		00010		7105+JFCTTR EQU	X'10' - A JOB STEP IS TO BE RESTARTED. USE JFCBOTTR	01800000
				7106+*	INSTEAD OF DS1LSTAR FIELD TO REPOSITION DATA	01850000
				7107+*	SET IF AUTOMATIC STEP RESTART OCCURS. (THIS	01900000
				7108+*	JOB HAD ABEND PROCESSING FOR A DATA SET OPENED	01950000
				7109+*	FOR MOD.)	02000000
		00008		7110+JFCNWRIT EQU	X'08' - DO NOT WRITE BACK THE JFCB DURING OPEN	02100000
				7111+*	PROCESSING	02200000
		00004		7112+JFCNDSCB EQU	X'04' - DO NOT MERGE DSCB OR LABEL FIELDS INTO THIS	02300000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				7113+*	JFCB	02400000
		00002		7114+JFCNDCB EQU	X'02' - DO NOT MERGE DCB FIELDS INTO THIS JFCB	02500000
		00001		7115+JFCPAT EQU	X'01' - THE PATTERNING DSCB IS COMPLETE	02600000
000035				7116+JFCBDSCB DS	CL3 - TTR ADDRESS OF THE FORMAT 1 DSCB FOR DATA SET	02700000
				7117+*	PART ON THE FIRST VOLUME OF THE DATA SET	02750000
				7118+*		ICB398 02752000
000038				7119+JFCFCBID DS	0CL4 - FORMS CONTROL BUFFER IMAGE IDENTIFICATION FOR	02760000
				7120+*	THE 3211 PRINTER OR DATA PROTECTION IMAGE	02760400
				7121+*	IDENTIFICATION FOR THE 3525 CARD PUNCH WITH	02760800
				7122+*	THE READ AND PRINT FEATURES OR FORMAT RECORD	02763000
				7123+*	ID	MDC007 02765300
000038				7124+JFCBFRID DS	0CL4 - LAST 4 CHARACTERS OF A PDS MEMBER TO BE USED	02767500
				7125+*	IN THE INTERPRETATION OF DOCUMENTS READ BY	02769700
				7126+*	3886 DEVICE FOR THIS STEP	MDC024 02771900
000038				7127+JFCAMCRO DS	BL2 - VSAM CHECKPOINT/RESTART OPTION INDICATORS	02774100
				7128+*		ICB438 02776300
00003A				7129+JFCAMSTR DS	H - NUMBER OF STRINGS	ICB438 02778500
00003C				7130+JFCBADBF DS	H - NUMBER OF DATA BUFFERS	ICB438 02780700
00003E				7131+JFCNLREC DS	H - LOGICAL RECORD LENGTH FOR VSAM	ICB438 02782900
000040				7132+JFCVINDX DS	H - MASS STORAGE SYSTEM COMMUNICATOR (MSSC) VOLUME	02787300
				7133+*	SELECTION INDEX (MDC308)	@Z30LP9A 02793300
000042				7134+JFCBLTYP DS	B - LABEL TYPE	02800000
		00080		7135+JFCRSV38 EQU	X'80',,C'X' RESERVED	02810000
		00040		7136+JFCBAL EQU	X'40' - AMERICAN NATIONAL STANDARD TAPE LABELS (AL OR	02850000
				7137+*	IF BIT 4 IS ALSO ON, AUL)	02852000
		00020		7138+JFCBLTM EQU	X'20' - UNLABELLED TAPE CREATED BY DOS MAY HAVE	02860000
				7139+*	LEADING TAPE MARK. OPEN/CLOSE/EOV AND RESTART	02870000
				7140+*	MUST SPACE OVER A TAPE MARK IF ONE EXISTS.	02880000
				7141+*		ICB398 02890000
		00010		7142+JFCBLP EQU	X'10' - BYPASS LABEL PROCESSING	02900000
		0000A		7143+JFCSUL EQU	X'0A' - USER LABEL	03000000
		00004		7144+JFCNSL EQU	X'04' - NONSTANDARD LABEL	03100000
		00002		7145+JFCSL EQU	X'02' - STANDARD LABEL	03200000
		00001		7146+JFCNL EQU	X'01' - NO LABEL	03300000
000043				7147+JFCBOTTR DS	0CL3 - DASD MOD DATA SET - IF AUTOMATIC STEP RESTART	03400000
				7148+*	WAS REQUESTED, TTR OF THE END-OF-DATA	03500000
				7149+*	INDICATOR EXISTING WHEN THE DATA SET WAS FIRST	03600000
				7150+*	OPENED DURING THE ORIGINAL EXECUTION OF THE	03700000
				7151+*	CURRENT STEP	03750000
000043				7152+JFCBUFOF DS	FL1 - TAPE DATA SET - THIS FIELD CONTAINS THE BUFFER	03800000
				7153+*	OFFSET (DCB SUBPARAMETER VALUE)	03810000
		00080		7154+JFCBFOFL EQU	X'80' - IF 1, THE OFFSET EQUALS FOUR AND THE BUFFER	03850000
				7155+*	OFFSET FIELD OF EACH BLOCK (D-FORMAT RECORDS)	03860000
				7156+*	CONTAINS THE BLOCK LENGTH (SPECIFIED BY	03870000
				7157+*	BUFOFF=L).	03872000
				7158+*	IF 0, THE OFFSET IS AS SPECIFIED IN THE	03874000
				7159+*	REMAINING SEVEN BITS AND THE BUFFER OFFSET	03876000
				7160+*	FIELD OF EACH BLOCK DOES NOT CONTAIN THE	03878000
				7161+*	BLOCK LENGTH.	03878400
000044				7162+JFCFUNC DS	0B - FUNCTION INDICATORS FOR THE 3525 CARD PUNCH	03880000
				7163+*	(SPECIFIED BY THE FUNC PARAMETER)	ICB392 03882000
		00080		7164+JFCFNCCI EQU	X'80' - I - INTERPRET (PUNCH AND PRINT TWO LINES)	03890000
				7165+*		ICB392 03890400
		00040		7166+JFCFNCCI EQU	X'40' - R - READ	ICB392 03892000
		00020		7167+JFCFNCCP EQU	X'20' - P - PUNCH	ICB392 03894000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
		00010	7168+	JFCFNCBW	EQU	X'10' - W - PRINT	ICB392 03896000
		00008	7169+	JFCFNCBD	EQU	X'08' - D - DATA PROTECTION	ICB392 03898000
		00004	7170+	JFCFNCBX	EQU	X'04' - X - THIS DATA SET IS TO BE PRINTED. THIS MAY	03898400
			7171+*			BE CODED WITH PW OR RPW TO DISTINGUISH THE	03898500
			7172+*			DATA SET TO BE PRINTED FROM THE DATA SET TO	03898600
			7173+*			BE PUNCHED.	ICB392 03898700
		00002	7174+	JFCFNCBT	EQU	X'02' - T - TWO-LINE PRINT SUPPORT REQUEST. THE	03898800
			7175+*			SECOND PRINT LINE IS LOCATED ON CARD LINE	03898900
			7176+*			THREE.	ICB392 03899000
		00001	7177+	JFCRSV31	EQU	X'01',,C'X' RESERVED	03899200
000044			7178+	JFCBFLSQ	DS	H - FOR MAGNETIC TAPE DEVICES, FILE SEQUENCE	03900000
			7179+*			NUMBER	04000000
000046			7180+	JFCBVLSQ	DS	H - VOLUME SEQUENCE NUMBER	04100000
000048			7181+	JFCBMASK	DS	0CL8 - DATA MANAGEMENT MASK	04200000
000048			7182+	JFCBOPS1	DS	BL5 - OPEN ROUTINE INTERNAL SWITCHES	04300000
00004D			7183+	JFCBFLG1	DS	B - FLAG BYTE	04400000
		00080	7184+	JFCSTAND	EQU	X'80' - VOLUME LABEL PROCESSING STANDARD	04500000
		00040	7185+	JFCSLCRE	EQU	X'40' - CREATION OF A STANDARD LABEL IS NECESSARY	04600000
		00020	7186+	JFCSLDES	EQU	X'20' - DESTRUCTION OF A STANDARD LABEL IS NECESSARY	04800000
		00010	7187+	JFCDUAL	EQU	X'10' - DUAL-DENSITY CHECK DETECTED	05000000
		0000F	7188+	JFCOPEN	EQU	X'0F' - OPEN ROUTINE INTERNAL SWITCHES	05100000
		00001	7189+	JFCBPWBP	EQU	X'01' - PASSWORD BYPASS INDICATOR	MDC010 05150000
00004E			7190+	JFCBFLG2	DS	B - FLAG BYTE OF OPEN SWITCHES	05200000
		00080	7191+	JFCINOP	EQU	X'80' - TREAT THE INOUT OPTION OF OPEN AS INPUT	05300000
		00040	7192+	JFCOUTOP	EQU	X'40' - TREAT THE OUTIN OPTION OF OPEN AS OUTPUT	05400000
		00020	7193+	JFCDEFER	EQU	X'20' - SET ONLY IN A JFCB RECORDED IN A DATA SET	05500000
			7194+*			DESCRIPTOR RECORD (DSDR) BY THE CHECKPOINT	05510000
			7195+*			ROUTINE. INDICATES THAT THE DATA SET RELATED	05520000
			7196+*			TO THE JFCB IS BEING PROCESSED SEQUENTIALLY,	05550000
			7197+*			AT THE CHECKPOINT, ON A VOLUME OTHER THAN THE	05600000
			7198+*			VOLUME ON WHICH PROCESSING BEGAN IN THE	05700000
			7199+*			CURRENT STEP. WHEN RESTART OCCURS, THIS BIT	05800000
			7200+*			CAUSES DEFERRED VOLUME MOUNTING.	05900000
		00020	7201+	JFCNRPS	EQU	X'20' - USE BY OPEN ROUTINES - SET TO INDICATE THAT	05950000
			7202+*			THIS DATA SET RESIDES ON A NON-RPS DEVICE.	05960000
			7203+*			RESET TO ZERO WHEN OPEN PROCESSING IS	05970000
			7204+*			COMPLETED.	ICB495 05980000
		00010	7205+	JFCMODNW	EQU	X'10' - DISPOSITION OF THIS DATA SET HAS BEEN CHANGED	06000000
			7206+*			FROM MOD TO NEW. DISPOSITION (IN JFCBIND2)	06100000
			7207+*			WILL BE RESTORED TO MOD AFTER OPEN.	06200000
		00008	7208+	JFCSDRPS	EQU	X'08' - USE SEARCH DIRECT FOR ROTATIONAL POSITION	06202000
			7209+*			SENSING (RPS) DEVICES	ICB398 06204000
		00004	7210+	JFCTTRACE	EQU	X'04' - GTF TRACE IS TO OCCUR DURING OPEN/CLOSE/EOV	06210000
			7211+*			AND DYNAMIC ALLOCATION PROCESSING OF DCB	06220000
			7212+*				ICB392 06230000
		00002	7213+	JFCBBUFF	EQU	X'02' - INDICATOR TO OPEN THAT A NON-ZERO VALUE IN	06250000
			7214+*			JFCBOTTR IS NOT TO PREVENT THE NORMAL STORING	06260000
			7215+*			BY OPEN OF A TTR IN JFCBOTTR. BEFORE OPEN -	06270000
			7216+*			JFCBUFOF (OFFSET 67) CONTAINS A BUFFER OFFSET	06272000
			7217+*			OR INVALID INFORMATION RESULTING FROM A	06274000
			7218+*			JFCB-TO-JFCB MERGE. AFTER OPEN - OPEN MAY	06276000
			7219+*			HAVE STORED A TTR IN JFCBOTTR (OFFSET 67), IN	06278000
			7220+*			WHICH CASE OPEN WILL HAVE SET THIS BIT TO	06278400
			7221+*			ZERO.	06278800
		00001	7222+	JFCRCTLG	EQU	X'01' - OPEN HAS UPDATED THE TTR. SCHEDULER STEP	06280000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				7223+*	TERMINATION ROUTINE IS TO RECATALOG THIS DATA	06282000
				7224+*	SET AND PLACE IN THE CATALOG ENTRY THE DSCB	06290000
				7225+*	TTR CONTAINED IN JFCBDSCB IF THIS DATA SET IS	06292000
				7226+*	CATALOGED. ICB398	06294000
00004F				7227+JFCBOPS2 DS	B - OPEN ROUTINE INTERNAL SWITCHES	06300000
000050				7228+JFCBCRDT DS	CL3 - DATA SET CREATION DATE (YDD, Y=YEAR AND	06400000
				7229+*	DD=DAY)	06450000
000053				7230+JFCBXPDT DS	CL3 - DATA SET EXPIRATION DATE (YDD)	06500000
000056				7231+JFCBIND1 DS	B - INDICATOR BYTE 1	06700000
		000C0		7232+JFCRLSE EQU	X'C0' - RELEASE EXTERNAL STORAGE	07000000
		00030		7233+JFCLOC EQU	X'30' - DATA SET HAS BEEN LOCATED	07100000
		0000C		7234+JFCADDED EQU	X'0C' - NEW VOLUME HAS BEEN ADDED TO THE DATA SET	07200000
		00002		7235+JFCGDG EQU	X'02' - DATA SET IS A MEMBER OF A GENERATION DATA	07300000
				7236+*	GROUP	07400000
		00001		7237+JFCPDS EQU	X'01' - DATA SET IS A MEMBER OF A PARTITIONED DATA SET	07500000
				7239+*****		07700000
				7240+*		07800000
				7241+*	THE FOLLOWING FOUR BIT SETTINGS ARE FROM AN OLD MAPPING MACRO	07900000
				7242+*	THESE FOUR WILL BE REMOVED IN A FUTURE RELEASE. USE THE	08100000
				7243+*	FOREGOING SYMBOLS FOR JFCBIND1	08300000
				7244+*		08400000
				7245+*****		08500000
		00040		7246+JFCBRLSE EQU	X'40' - BITS 0 & 1 - EXTERNAL STORAGE RELEASE	08600000
				7247+*	INDICATOR	08700000
		00010		7248+JFCBLOCT EQU	X'10' - BITS 2 & 3 - DATA SET HAS BEEN LOCATED	08800000
		00004		7249+JFCBNEWV EQU	X'04' - BITS 4 & 5 - NEW VOLUME ADDED TO DATA SET	08900000
		00001		7250+JFCBPMEM EQU	X'01' - BITS 6 & 7 - DATA SET IS A MEMBER OF A	09000000
				7251+*	PDS OR GDG	09100000
				7252+*****		09150000
000057				7254+JFCBIND2 DS	B - INDICATOR BYTE 2	09300000
		000C0		7255+JFCDISP EQU	X'C0' - BIT PATTERN FOR NEW, MOD, OLD	09600000
		000C0		7256+JFCNEW EQU	X'C0' - NEW DATA SET	09700000
		00080		7257+JFCMOD EQU	X'80' - MOD DATA SET	09800000
		00040		7258+JFCOLD EQU	X'40' - OLD DATA SET	09900000
		00030		7259+JFCBRWPW EQU	X'30' - PASSWORD IS REQUIRED TO WRITE BUT NOT TO READ	10000000
				7260+*	(DATA SET SECURITY)	10100000
		00010		7261+JFCSECUR EQU	X'10' - PASSWORD IS REQUIRED TO READ OR TO WRITE	10200000
				7262+*	(DATA SET SECURITY)	10250000
		00008		7263+JFCSHARE EQU	X'08' - SHARED DATA SET	10300000
		00004		7264+JFCENT EQU	X'04' - DELETE THIS JFCB BEFORE ALLOCATION FOR A	10400000
				7265+*	RESTARTED GENERATION DATA GROUP	10450000
		00002		7266+JFCREQ EQU	X'02' - STORAGE VOLUME REQUESTED	10800000
		00001		7267+JFCTEMP EQU	X'01' - TEMPORARY DATA SET	10900000
				7269+*****		11000000
				7270+*		11100000
				7271+*	THE FOLLOWING THREE BIT SETTINGS ARE FROM AN OLD MAPPING MACRO	11200000
				7272+*	THESE THREE WILL BE REMOVED IN A FUTURE RELEASE. USE THE	11400000
				7273+*	FOREGOING SYMBOLS FOR JFCBIND2	11600000
				7274+*		11700000
				7275+*****		11800000
		00040		7276+JFCBSTAT EQU	X'40' - BITS 0 & 1 - DATA SET STATUS (NEW,	11900000
				7277+*	OLD OR MOD)	12000000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
			00010	7278+	JFCBSCTY EQU X'10' - BIT 3 DATA SET SECURITY INDICATOR	12100000
			00004	7279+	JFCBGDGA EQU X'04' - BITS 4 & 5 - THIS JFCB IS A MEMBER OF A	12200000
				7280+*	GDG-ALL REQUEST	12300000
				7281+	*****	12350000
000058				7283+	JFCAMPTR DS 0A - POINTER TO AMPBLK FOR ADDITIONAL VSAM	12360000
				7284+*	PARAMETERS ICB438	12370000
000058				7285+	JFCAMSPA DS 0CL3 - SPA OF AMPX CONTROL BLOCK EXTENSION	12380000
				7286+*	TO THE JFCB YA05186	12390000
000058				7287+	JFCBUFNO DS 0XL1 - NUMBER OF BUFFERS REQUIRED FOR THIS DATA SET	12400000
				7288+*	(ACCESS METHODS OTHER THAN TCAM AND QTAM)	12500000
000058				7289+	JFCBUFIN DS 0XL1 - BITS 0-3 CONTAIN THE NUMBER OF BUFFERS	12700000
				7290+*	ASSIGNED INITIALLY FOR RECEIVING OPERATIONS	12702000
				7291+*	FOR EACH LINE IN A LINE GROUP (TCAM)	12704000
000058				7292+	JFCBFOUT DS 0XL1 - BITS 4-7 CONTAIN THE NUMBER OF BUFFERS	12710000
				7293+*	ASSIGNED INITIALLY FOR SENDING OPERATIONS FOR	12760000
				7294+*	EACH LINE IN A LINE GROUP (TCAM)	12770000
000058				7295+	JFCBUFRQ DS XL1 - NUMBER OF BUFFERS REQUIRED FOR EACH LINE	12800000
				7296+*	(QTAM)	12900000
000059				7297+	JFCBGNCP DS 0FL1 - FOR GAM, THIS FIELD IS USED FOR THE NUMBER OF	12950000
				7298+*	IOB'S CONSTRUCTED BY THE OPEN ROUTINE.	12960000
				7299+*	MAXIMUM NUMBER IS 99. MDC025	12970000
000059				7300+	JFCBHIAR DS 0BL1 - BUFFER POOL LOCATION IN MAIN STORAGE	13000000
				7301+*	(HIERARCHY)	13100000
000059				7302+	JFCBFALN DS 0BL1 - BUFFER ALIGNMENT	13200000
000059				7303+	JFCBFTEK DS B - BUFFERING TECHNIQUE	13300000
		00084		7304+	JFCHIER EQU X'84' - BITS 0 AND 5 DESCRIBE MAIN STORAGE HIERARCHY.	13600000
				7305+*	BOTH BITS OFF, HIERARCHY 0.	13700000
				7306+*	BIT 0 OFF AND BIT 5 ON, HIERARCHY 1.	13800000
		00040		7307+	JFCSIM EQU X'40' - S - SIMPLE BUFFERING	13900000
		00060		7308+	JFCBBFTA EQU X'60' - A - FOR QSAM LOCATE MODE PROCESSING OF SPANNED	13950000
				7309+*	RECORDS, AUTOMATIC RECORD AREA CONSTRUCTION	13960000
				7310+*	DURING LOGICAL RECORD INTERFACE PROCESSING.	13970000
				7311+*	OPEN IS TO CONSTRUCT A RECORD AREA IF IT	13980000
				7312+*	AUTOMATICALLY CONSTRUCTS BUFFERS.	13990000
		00020		7313+	JFCBBFTR EQU X'20' - R - FOR BSAM CREATE BDAM PROCESSING OR BDAM	13992000
				7314+*	PROCESSING OF UNBLOCKED SPANNED RECORDS,	13994000
				7315+*	SOFTWARE TRACK OVERFLOW. OPEN FORMS A SEGMENT	13996000
				7316+*	WORK AREA POOL AND STORES THE ADDRESS OF THE	13998000
				7317+*	SEGMENT WORK AREA CONTROL BLOCK IN THE DCBE0BW	13998400
				7318+*	FIELD OF THE DATA CONTROL BLOCK. WRITE USES	13998800
				7319+*	A SEGMENT WORK AREA TO WRITE A RECORD AS ONE	13999200
				7320+*	OR MORE SEGMENTS.	13999600
				7321+*	FOR BSAM INPUT PROCESSING OF UNBLOCKED SPANNED	13999700
				7322+*	RECORDS WITH KEYS, RECORD OFFSET PROCESSING.	13999800
				7323+*	READ READS ONE RECORD SEGMENT INTO THE RECORD	13999900
				7324+*	AREA. THE FIRST SEGMENT OF A RECORD IS	14033200
				7325+*	PRECEDED IN THE RECORD AREA BY THE KEY.	14043200
				7326+*	SUBSEQUENT SEGMENTS ARE AT AN OFFSET EQUAL TO	14053200
				7327+*	THE KEY LENGTH.	14063200
		00010		7328+	JFCExc EQU X'10' - E - EXCHANGE BUFFERING	14066700
		00008		7329+	JFCdYN EQU X'08' - DYNAMIC BUFFERING	14100000
		00004		7330+	JFCHIER1 EQU X'04' - HIERARCHY 1 MAIN STORAGE	14200000
		00002		7331+	JFCdWORD EQU X'02' - D - DOUBLE WORD BOUNDARY	14300000
		00001		7332+	JFCfWORD EQU X'01' - F - FULL WORD NOT A DOUBLE WORD BOUNDARY	14400000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
00005A				7333+	JFCBUFL DS	H - BUFFER LENGTH	14500000
00005C				7334+	JFCEROPT DS	B - ERROR OPTION. DISPOSITION OF PERMANENT ERRORS	14600000
				7335+*		IF USER RETURNS FROM A SYNCHRONOUS ERROR	14650000
				7336+*		EXIT. (QSAM)	14660000
		00080		7337+	JFCACC EQU	X'80' - ACCEPT	14700000
		00040		7338+	JFCSKP EQU	X'40' - SKIP	14800000
		00020		7339+	JFCABN EQU	X'20' - ABNORMAL END OF TASK	14900000
		00010		7340+	JFCTOPT EQU	X'10' - ON-LINE TERMINAL TEST (BTAM)	ICB349 14950000
		00008		7341+	JFCRSV02 EQU	X'08' , , C'X' RESERVED	14960000
		00004		7342+	JFCRSV03 EQU	X'04' , , C'X' RESERVED	14970000
		00002		7343+	JFCRSV04 EQU	X'02' , , C'X' RESERVED	14980000
		00001		7344+	JFCRSV05 EQU	X'01' , , C'X' RESERVED	14990000
00005D				7345+	JFCTRTCH DS	0CL1 - TAPE RECORDING TECHNIQUE FOR 7-TRACK TAPE	15000000
		00023		7346+	JFCEVEN EQU	X'23' - E - EVEN PARITY	15200000
		0003B		7347+	JFCTTRAN EQU	X'3B' - T - EOD/EBCDIC TRANSLATION	15300000
		00013		7348+	JFCCONV EQU	X'13' - C - DATA CONVERSION	15400000
		0002B		7349+	JFCTREV EQU	X'2B' - ET - EVEN PARITY AND TRANSLATION	15500000
00005D				7350+	JFCKEYLE DS	0XL1 - DIRECT ACCESS KEY LENGTH	15600000
00005D				7351+	JFCCODE DS	0BL1 - CONVERSION CODE (PAPER TAPE)	15800000
		00080		7352+	JFCNOCON EQU	X'80' - N - NO CONVERSION	15900000
		00040		7353+	JFCBCD EQU	X'40' - I - IBM BCD	16000000
		00020		7354+	JFCFRI EQU	X'20' - F - FRIDEN	16100000
		00010		7355+	JFCBUR EQU	X'10' - B - BURROUGHS	16200000
		00008		7356+	JFCNCR EQU	X'08' - C - NATIONAL CASH REGISTER	16300000
		00004		7357+	JFCASCI I EQU	X'04' - A - ASCII (8-TRACK)	16400000
		00002		7358+	JFCTTY EQU	X'02' - T - TELETYPE	16500000
		00001		7359+	JFCRSV32 EQU	X'01' , , C'X' RESERVED	16510000
00005D				7360+	JFCMODE DS	0BL1 - MODE OF OPERATION (CARD READER, CARD PUNCH)	16550000
				7361+*			ICB394 16560000
00005D				7362+	JFCSTACK DS	0BL1 - STACKER SELECTION (CARD READER, CARD PUNCH)	16600000
		00080		7363+	JFCBIN EQU	X'80' - C - COLUMN BINARY MODE	16700000
		00040		7364+	JFCEBCD EQU	X'40' - E - EBCDIC MODE	16800000
		00020		7365+	JFCMODE0 EQU	X'20' - 0 - OPTICAL MARK READ MODE (3505 ONLY)	ICB394 16850000
		00010		7366+	JFCMODER EQU	X'10' - R - READ COLUMN ELIMINATE MODE (3505 AND 3525	16860000
				7367+*		WITH READ FEATURE)	ICB394 16862000
		00008		7368+	JFCRSV06 EQU	X'08' , , C'X' RESERVED	16870000
		00004		7369+	JFCRSV07 EQU	X'04' , , C'X' RESERVED	16880000
		00002		7370+	JFCTWO EQU	X'02' - 2 - STACKER TWO	16900000
		00001		7371+	JFCONE EQU	X'01' - 1 - STACKER ONE	17000000
00005D				7372+	JFCPRTSP DS	B - NORMAL PRINTER SPACING	17100000
		00019		7373+	JFCSPTHR EQU	X'19' - 3 - SPACE THREE LINES	17200000
		00011		7374+	JFCSP TWO EQU	X'11' - 2 - SPACE TWO LINES	17300000
		00009		7375+	JFCSPONE EQU	X'09' - 1 - SPACE ONE LINE	17400000
		00001		7376+	JFCSPNO EQU	X'01' - 0 - NO SPACING	17500000
00005E				7377+	JFCDEN DS	B - TAPE DENSITY - 2400/3400 SERIES MAGNETIC TAPE	17600000
				7378+*		UNITS	17650000
		00003		7379+	JFC200 EQU	X'03' - 7-TRACK 200 BPI	17700000
		00043		7380+	JFC556 EQU	X'43' - 7-TRACK 556 BPI	17800000
		00083		7381+	JFC800 EQU	X'83' - 7-TRACK AND 9-TRACK 800 BPI	17900000
		000C3		7382+	JFC1600 EQU	X'C3' - 9-TRACK 1600 BPI	18000000
		000D3		7383+	JFC6250 EQU	X'D3' - 9-TRACK 6250 BPI	ICB474 18010000
00005F				7384+	JFCBABFS DS	0FL3 - TOTAL BUFFER SIZE FOR ALL VSAM BUFFERS	ICB438 18050000
00005F				7385+	JFCLIMCT DS	0CL3 - SEARCH LIMIT (BDAM)	18100000
00005F				7386+	DS	CL1 - RESERVED	18200000
000060				7387+	JFCTRKBL DS	CL2 - DATA SET OPENED FOR MOD - IF AUTOMATIC STEP	18300000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				7388+*	RESTART WAS REQUESTED, TRACK BALANCE EXISTING	18500000
				7389+*	WHEN THE DATA SET WAS FIRST OPENED DURING THE	18600000
				7390+*	ORIGINAL EXECUTION OF THE CURRENT STEP	18700000
000062				7391+JFCDSORG DS	0BL2 - DATA SET ORGANIZATION BEING USED	18900000
000062				7392+JFCDSRG1 DS	B - BYTE 1 OF JFCDSORG	19000000
		00080		7393+JFCORGIS EQU	X'80' - INDEXED SEQUENTIAL	19100000
		00040		7394+JFCORGPS EQU	X'40' - PHYSICAL SEQUENTIAL	19200000
		00020		7395+JFCORGDA EQU	X'20' - DIRECT	19300000
		00010		7396+JFCORGCX EQU	X'10' - BTAM OR QTAM LINE GROUP	MDC011 19310000
		00008		7397+JFCORGCQ EQU	X'08' - QTAM DIRECT ACCESS MESSAGE QUEUE	MDC012 19320000
		00004		7398+JFCORGMQ EQU	X'04' - QTAM PROBLEM PROGRAM MESSAGE QUEUE	MDC013 19330000
		00002		7399+JFCORGPO EQU	X'02' - PARTITIONED	19400000
		00001		7400+JFCORGU EQU	X'01' - UNMOVABLE - THE DATA CONTAINS LOCATION	19500000
				7401+*	DEPENDENT INFORMATION	19600000
000063				7402+JFCDSRG2 DS	B - BYTE 2 OF JFCDSORG	19700000
		00080		7403+JFCORGGs EQU	X'80' - GRAPHICS	19800000
		00040		7404+JFCORGTx EQU	X'40' - TCAM LINE GROUP	MDC014 19810000
		00020		7405+JFCORGTQ EQU	X'20' - TCAM MESSAGE QUEUE	MDC015 19820000
		00010		7406+JFCRSV13 EQU	X'10' , , C'X' RESERVED, BINARY ZERO	19830000
		00008		7407+JFCORGAM EQU	X'08' - VSAM	ICB438 19850000
		00004		7408+JFCORGTR EQU	X'04' - TCAM 3705	MDC016 19860000
		00002		7409+JFCRSV15 EQU	X'02' , , C'X' RESERVED, BINARY ZERO	19870000
		00001		7410+JFCRSV16 EQU	X'01' , , C'X' RESERVED, BINARY ZERO	19880000
000064				7411+JFCRECFM DS	B - RECORD FORMAT	19900000
		000C0		7412+JFCFMREC EQU	X'C0' - HIGH-ORDER TWO BITS OF JFCRECFM TO BE TESTED	20000000
				7413+*	FOR RECORD FORMAT	20100000
		000C0		7414+JFCUND EQU	X'C0' - U - UNDEFINED	20900000
		00080		7415+JFCFIX EQU	X'80' - F - FIXED	21000000
		00040		7416+JFCVAR EQU	X'40' - V - VARIABLE	21100000
		000E0		7417+JFCRCFM EQU	X'E0' - RECORD FORMAT (USASI/USASCII)	21250000
		00020		7418+JFCVARD EQU	X'20' - D - VARIABLE (FORMAT D FOR USASI/USASCII)	21260000
		00020		7419+JFCRFO EQU	X'20' - T - TRACK OVERFLOW	21300000
		00010		7420+JFCRFB EQU	X'10' - B - BLOCKED - MAY NOT OCCUR WITH UNDEFINED	21400000
		00008		7421+JFCRFS EQU	X'08' - S - FOR FIXED LENGTH RECORD FORMAT, STANDARD	21500000
				7422+*	BLOCKS. NO TRUNCATED BLOCKS OR UNFILLED	21550000
				7423+*	TRACKS ARE EMBEDDED IN THE DATA SET.	21600000
				7424+*	FOR VARIABLE LENGTH RECORD FORMAT, SPANNED	21650000
				7425+*	RECORDS.	21700000
		00006		7426+JFCCHAR EQU	X'06' - CONTROL CHARACTER	21800000
		00004		7427+JFCASA EQU	X'04' - A - AMERICAN NATIONAL STANDARD (ASA) CONTROL	22600000
				7428+*	CHARACTER	22650000
		00002		7429+JFCMAC EQU	X'02' - M - MACHINE CODE CONTROL CHARACTER	22700000
		00000		7430+JFCNOCC EQU	X'00' - NO CONTROL CHARACTER	22800000
000065				7431+JFCOPTCD DS	B - OPTION CODES	22900000
				7433+*	QSAM - BSAM - BPAM	23000000
		00080		7434+JFCWVCSP EQU	X'80' - W - WRITE VALIDITY CHECK	23100000
		00040		7435+JFCALLOW EQU	X'40' - U - ALLOW A DATA CHECK CAUSED BY AN INVALID	23200000
				7436+*	CHARACTER (1403 PRINTER WITH UCS FEATURE)	23300000
		00020		7437+JFCPCIBT EQU	X'20' - C - CHAINED SCHEDULING USING THE PROGRAM	23400000
				7438+*	CONTROLLED INTERRUPTION	23500000
		00010		7439+JFCBCKPT EQU	X'10' - BYPASS EMBEDDED DOS CHECKPOINT RECORDS ON TAPE	23550000
				7440+*	ICB398	23560000
		00008		7441+JFCRSV18 EQU	X'08' , , C'X' RESERVED	23570000
		00004		7442+JFCREDUC EQU	X'04' - Z - USE REDUCED ERROR RECOVERY PROCEDURE	23600000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				7443+*	(MAGNETIC TAPE) (EXCP ALSO)	23700000
		00004		7444+JFCSRCHD EQU	X'04' - USE SEARCH DIRECT (SD), INSTEAD OF SEARCH	23750000
				7445+*	PREVIOUS, ON ROTATIONAL POSITION SENSING (RPS)	23760000
				7446+*	DEVICE. (DIRECT ACCESS)	23770000
		00002		7447+JFCRSV21 EQU	X'02',,C'X' RESERVED	23780000
		00001		7448+JFCOPTJ EQU	X'01' - J - 3800 CONTROL CHARACTER (MDC301) @Z40MP9A	23790000
				7450+*	BISAM - QISAM	23800000
		00080		7451+JFCWVCIS EQU	X'80' - W - WRITE VALIDITY CHECK	23900000
		00040		7452+JFCRSV17 EQU	X'40',,C'X' RESERVED	23950000
		00020		7453+JFCMAST EQU	X'20' - M - MASTER INDEXES	24000000
		00010		7454+JFCIND EQU	X'10' - I - INDEPENDENT OVERFLOW AREA	24100000
		00008		7455+JFCCYL EQU	X'08' - Y - CYLINDER OVERFLOW AREA	24200000
		00004		7456+JFCRSV19 EQU	X'04',,C'X' RESERVED	24250000
		00002		7457+JFCDEL EQU	X'02' - L - DELETE OPTION	24300000
		00001		7458+JFCREORG EQU	X'01' - R - REORGANIZATION CRITERIA	24400000
				7460+*	BDAM	24500000
		00080		7461+JFCWVCBD EQU	X'80' - W - WRITE VALIDITY CHECK	24600000
		00040		7462+JFCOVER EQU	X'40' - TRACK OVERFLOW	24700000
		00020		7463+JFCEXT EQU	X'20' - E - EXTENDED SEARCH	24800000
		00010		7464+JFCFEED EQU	X'10' - F - FEEDBACK	24900000
		00008		7465+JFCACT EQU	X'08' - A - ACTUAL ADDRESSING	25000000
		00004		7466+JFCRSV20 EQU	X'04',,C'X' RESERVED	25050000
		00002		7467+JFCRSV22 EQU	X'02',,C'X' RESERVED	25060000
		00001		7468+JFCREL EQU	X'01' - R - RELATIVE BLOCK ADDRESSING	25100000
				7470+*	USASI/USASCII	25150000
		00008		7471+JFCOPTQ EQU	X'08' - EBCDIC TO ASCII OR ASCII TO EBCDIC	25160000
				7472+*	TRANSLATION REQUIRED	25170000
				7474+*	TCAM	25180000
		00080		7475+JFCSDNAM EQU	X'80' - SOURCE OR DESTINATION NAME PRECEDES MESSAGE	25190000
				7476+*	(AFTER CONTROL BYTE)	25192000
		00040		7477+JFCWUMSG EQU	X'40' - WORK UNIT IS A MESSAGE (DEFAULT WORK UNIT IS	25194000
				7478+*	A RECORD)	25196000
		00020		7479+JFCCBWU EQU	X'20' - CONTROL BYTE PRECEDES WORK UNIT	25198000
000066				7480+JFCBLKSI DS	0H - MAXIMUM BLOCK SIZE	25200000
000066				7481+JFCBUFSI DS	0H - MAXIMUM BUFFER SIZE	25300000
000066				7482+JFCBAXBF DS	H - NUMBER OF INDEX BUFFERS (VSAM) ICB438	25350000
000068				7483+JFCAMSYN DS	0CL8 - MODULE NAME FOR SYNAD ROUTINE FOR VSAM ICB438	25360000
000068				7484+JFCLRECL DS	H - LOGICAL RECORD LENGTH	25400000
00006A				7485+JFCNCP DS	0FL1 - NUMBER OF CHANNEL PROGRAMS. NUMBER OF READ OR	25500000
				7486+*	WRITE REQUESTS WHICH MAY BE ISSUED PRIOR TO A	25600000
				7487+*	CHECK. NUMBER OF IOB'S GENERATED.	25700000
				7488+*	(MAXIMUM NUMBER IS 99.)	25800000
				7489+*	NOTE - GAM USES JFCBFTEK FOR THIS INFORMATION	25900000
				7490+*	AND DOES NOT USE THIS FIELD AT ALL.	26000000
00006A				7491+JFCBUFMX DS	FL1 - THE MAXIMUM NUMBER OF BUFFERS TO BE USED FOR	26100000
				7492+*	DATA TRANSFER FOR EACH LINE IN THIS LINE	26150000
				7493+*	GROUP (TCAM)	26160000
00006B				7494+JFCBFSEQ DS	0FL1 - TAPE POSITIONING INFORMATION FOR CHECKPOINT	26170000
				7495+*	RESTART. THIS FIELD IS USED TO PASS A	26180000
				7496+*	PHYSICAL FILE SEQUENCE COUNT FROM CHECKPOINT	26190000
				7497+*	TO RESTART. THE COUNT TELLS THE PHYSICAL	26192000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				7498+*	POSITION OF THE TAPE VOLUME THAT WAS BEING	26194000
				7499+*	PROCESSED WHEN THE CHECKPOINT WAS TAKEN.	26196000
				7500+*	SA60703	26198000
00006B				7501+JFCNTM DS 0FL1 -	THE NUMBER OF TRACKS THAT DETERMINE THE	26200000
				7502+*	DEVELOPMENT OF A MASTER INDEX. MAXIMUM	26300000
				7503+*	NUMBER IS 99. (ISAM)	26400000
00006B				7504+JFCPCI DS B -	PROGRAM-CONTROLLED INTERRUPTION (PCI) FLAG	26410000
				7505+*	BYTE (TCAM)	26412000
		00080		7506+JFCPCIX1 EQU X'80' -	PCI=(X,) RECEIVE OPERATIONS ICB473	26420000
		00040		7507+JFCPCIX2 EQU X'40' -	PCI=(,X) SEND OPERATIONS	26430000
				7508+*	X INDICATES THAT AFTER THE FIRST BUFFER IS	26440000
				7509+*	FILLED (ON RECEIVE OPERATIONS) OR EMPTIED (ON	26450000
				7510+*	SEND OPERATIONS), A PCI OCCURS DURING THE	26460000
				7511+*	FILLING OR EMPTYING OF THE NEXT BUFFER. THE	26470000
				7512+*	FIRST BUFFER REMAINS ALLOCATED AND ANOTHER	26480000
				7513+*	IS ALLOCATED. ICB473	26490000
		00020		7514+JFCPCIA1 EQU X'20' -	PCI=(A,) RECEIVE OPERATIONS	26500000
		00010		7515+JFCPCIA2 EQU X'10' -	PCI=(,A) SEND OPERATIONS	26510000
				7516+*	A INDICATES THAT AFTER THE FIRST BUFFER IS	26520000
				7517+*	FILLED (ON RECEIVE OPERATIONS) OR EMPTIED (ON	26530000
				7518+*	SEND OPERATIONS), A PCI OCCURS DURING THE	26540000
				7519+*	FILLING OR EMPTYING OF THE NEXT BUFFER. THE	26550000
				7520+*	FIRST BUFFER IS DEALLOCATED. A BUFFER IS	26560000
				7521+*	ALLOCATED IN PLACE OF THE DEALLOCATED BUFFER.	26570000
		00008		7522+JFCPCIN1 EQU X'08' -	PCI=(N,) RECEIVE OPERATIONS	26580000
		00004		7523+JFCPCIN2 EQU X'04' -	PCI=(,N) SEND OPERATIONS	26590000
				7524+*	N INDICATES THAT NO PCI'S ARE TAKEN DURING	26600000
				7525+*	FILLING (ON RECEIVE OPERATIONS) OR EMPTYING	26610000
				7526+*	(ON SEND OPERATIONS) OF BUFFERS. BUFFERS	26620000
				7527+*	ARE DEALLOCATED AT THE END OF TRANSMISSION.	26630000
		00002		7528+JFCPCIR1 EQU X'02' -	PCI=(R,) RECEIVE OPERATIONS	26640000
		00001		7529+JFCPCIR2 EQU X'01' -	PCI=(,R) SEND OPERATIONS	26650000
				7530+*	R INDICATES THAT AFTER THE FIRST BUFFER IS	26660000
				7531+*	FILLED (ON RECEIVE OPERATIONS) OR EMPTIED (ON	26670000
				7532+*	SEND OPERATIONS), A PCI OCCURS DURING THE	26680000
				7533+*	FILLING OR EMPTYING OF EACH SUCCEEDING BUFFER.	26690000
				7534+*	THE COMPLETED BUFFER IS DEALLOCATED, BUT NO	26700000
				7535+*	NEW BUFFER IS ALLOCATED TO TAKE ITS PLACE.	26710000
				7537+*****		26800000
				7538+*		26900000
				7539+*	NORMAL 108 SEGMENT	26980000
				7540+*		27060000
00006C				7541+JFCRESRV DS 0BL4 -	FIRST BYTE CONTAINS NUMBER OF BYTES FOR TIME	27150000
				7542+*	OF DAY. SECOND BYTE CONTAINS NUMBER OF BYTES	27160000
				7543+*	FOR DATE. THIRD BYTE CONTAINS NUMBER OF	27170000
				7544+*	BYTES FOR OUT SEQ. FOURTH BYTE CONTAINS	27180000
				7545+*	NUMBER OF BYTES IN. (TCAM)	27190000
00006C				7546+JFCRKP DS H -	THE RELATIVE POSITION OF THE FIRST BYTE OF THE	27200000
				7547+*	KEY WITHIN EACH LOGICAL RECORD. MAXIMUM VALUE	27300000
				7548+*	IS LOGICAL RECORD LENGTH MINUS KEY LENGTH.	27400000
00006E				7549+JFCCYLOF DS XL1 -	THE NUMBER OF TRACKS TO BE RESERVED ON EACH	28000000
				7550+*	CYLINDER TO HOLD RECORDS THAT OVERFLOW FROM	28100000
				7551+*	OTHER TRACKS ON THAT CYLINDER. MAXIMUM VALUE	28200000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				7552+*	IS 99.	28300000
00006F				7553+JFCDBUFN DS	CL1 - RESERVED	28400000
000070				7554+JFCINTVL DS	XL1 - INTENTIONAL DELAY, IN SECONDS, BETWEEN	28500000
				7555+*	PASSES THROUGH A POLLING LIST (QTAM)	28600000
				7556+*	END OF NORMAL 108 SEGMENT	28700000
				7557+*****		28800000
				7559+*****		29000000
				7560+*		29100000
				7561+*	108 PRINTER SEGMENT	29150000
				7562+*		29200000
				7563+*	NOTE THIS SEGMENT REPLACES THE NORMAL 108 SEGMENT IF	29250000
				7564+*	THE DD STATEMENT USES THE UCS PARAMETER.	29300000
				7565+*		29350000
000071		0006C		7566+	ORG JFCRESRV	29400000
00006C				7567+JFCUCSID DS	CL4 - NAME OF THE UCS IMAGE TO BE LOADED	29500000
000070				7568+JFCUCSOP DS	B - OPERATION OF THE UCS IMAGE TO BE LOADED	29600000
		00080		7569+JFCBEXTP EQU	X'80' - JFCB EXTENSION PRESENT FOR 3800 DEVICE	29650000
				7570+*	(MDC302) @Z40MP9A	29670000
		00040		7571+JFCFOLD EQU	X'40' - UCS IMAGE IS TO BE LOADED IN THE FOLD MODE	29700000
		00020		7572+JFCRSV25 EQU	X'20',,C'X' RESERVED	29750000
		00010		7573+JFCVER EQU	X'10' - UCS IMAGE IS TO BE VERIFIED	29800000
		00008		7574+JFCFCBAL EQU	X'08' - FORMS ARE TO BE ALIGNED	29850000
		00004		7575+JFCFCBVR EQU	X'04' - FORMS CONTROL BUFFER (FCB) IMAGE IS TO BE	29860000
				7576+*	VERIFIED	29862000
		00002		7577+JFCRSV26 EQU	X'02',,C'X' RESERVED	29870000
		00001		7578+JFCRSV27 EQU	X'01',,C'X' RESERVED	29880000
				7579+*	END OF 108 PRINTER SEGMENT	29900000
				7580+*****		30000000
000071				7582+JFCOUTLI DS	0FL3 - SMF - SYSOUT LIMIT. BINARY REPRESENTATION OF	30050000
				7583+*	THE OUTLIM= PARAMETER ON THE SYSOUT DD	30060000
				7584+*	STATEMENT. THE MAXIMUM NUMBER OF LOGICAL	30070000
				7585+*	RECORDS SPECIFIED FOR THIS OUTPUT DATA SET.	30080000
				7586+*	MDC017	30090000
000071				7587+JFCTHRSH DS	0FL1 - RECORDS TO BE USED	30092000
000071				7588+JFCCPRI DS	B - PRIORITY BETWEEN SEND AND RECEIVE OPERATIONS	30100000
				7589+*	(TCAM)	30200000
		00080		7590+JFCRSV53 EQU	X'80',,C'X' RESERVED MDC020	30450000
		00040		7591+JFCRSV54 EQU	X'40',,C'X' RESERVED MDC019	30500000
		00020		7592+JFCRSV55 EQU	X'20',,C'X' RESERVED MDC018	30550000
		00010		7593+JFCRSV33 EQU	X'10',,C'X' RESERVED	30750000
		00008		7594+JFCRSV34 EQU	X'08',,C'X' RESERVED	30760000
		00004		7595+JFCRECV EQU	X'04' - RECEIVE PRIORITY MDC018	30770000
		00002		7596+JFCEQUAL EQU	X'02' - EQUAL PRIORITY MDC019	30780000
		00001		7597+JFCSEND EQU	X'01' - SEND PRIORITY MDC020	30790000
000072				7598+JFCSOWA DS	H - LENGTH, IN BYTES, OF THE USER-PROVIDED WORK	30800000
				7599+*	AREA (QTAM)	30900000
000074				7600+JFCBNTCS DS	XL1 - NUMBER OF OVERFLOW TRACKS	31000000
000075				7601+JFCBNVOL DS	XL1 - NUMBER OF VOLUME SERIAL NUMBERS	31100000
000076				7602+JFCBVOLS DS	0CL30 - THE FIRST FIVE VOLUME SERIAL NUMBERS @Z30LP9A	31200000
000076				7603+	DS CL22 - FIRST 22 BYTES OF JFCBVOLS @Z30LP9A	31220000
00008C				7604+JFCMSVGP DS	CL8 - MASS STORAGE VOLUME GROUP FROM WHICH TO	31240000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
000094				7605+*	SELECT A VOLUME (MDC306)	@Z30LP9A 31270000
				7606+JFCBEXTL DS XL1 -	LENGTH OF BLOCK OF EXTRA VOLUME SERIAL NUMBERS (BEYOND FIVE)	31300000
000095				7607+*		31400000
				7608+JFCBEXAD DS CL3 -	RELATIVE TRACK ADDRESS (TTR) OF FIRST JFCB	31500000
				7609+*	EXTENSION BLOCK FOR VOLUME SERIAL NUMBERS OR	31600000
				7610+*	TTR OF JFCB EXTENSION BLOCK FOR 3800	31630000
				7611+*	(MDC303)	@Z40MP9A 31660000
000098				7612+JFCBPQTY DS 0CL3 -	PRIMARY QUANTITY OF DIRECT ACCESS STORAGE	31700000
				7613+*	REQUIRED	31800000
000098				7614+JFCRUNIT DS CL3 -	UNIT TYPE (EBCDIC) OF A DEVICE AT A REMOTE	31810000
				7615+*	TERMINAL. THE FIRST TWO CHARACTERS ARE RD	31820000
				7616+*	(READER), PR (PRINTER) OR PU (PUNCH). THE	31830000
				7617+*	THIRD CHARACTER IS A NUMBER FROM 1 TO 9 ICB387	31840000
00009B				7618+JFCBCTRI DS B -	SPACE PARAMETERS	31900000
	000C0			7619+JFCBSPAC EQU X'C0' -	BIT PATTERN FOR SPACE REQUESTS	32000000
	00000			7620+JFCBABS EQU X'00' -	ABSTR REQUEST	32900000
	00040			7621+JFCBAVR EQU X'40' -	AVERAGE BLOCK LENGTH REQUEST	33000000
	00080			7622+JFCBTRK EQU X'80' -	TRK REQUEST	33100000
	000C0			7623+JFCBCYL EQU X'C0' -	CYL REQUEST	33200000
	00020			7624+JFCBMSGP EQU X'20' -	REQUEST IS FOR A MASS STORAGE VOLUME GROUP	33250000
				7625+*	(MSVGP) VOLUME (MDC307)	@Z30LP9A 33300000
	00010			7626+JFCRSV29 EQU X'10',,C'X' -	RESERVED	33350000
	00008			7627+JFCONTIG EQU X'08' -	CONTIG REQUEST	33400000
	00004			7628+JFCMIXG EQU X'04' -	MXIG REQUEST	33500000
	00002			7629+JFCALX EQU X'02' -	ALX REQUEST	33600000
	00001			7630+JFCROUND EQU X'01' -	ROUND REQUEST	33700000
00009C				7631+JFCBSQTY DS 0CL3 -	SECONDARY QUANTITY OF DIRECT ACCESS STORAGE	33800000
				7632+*	REQUIRED	33900000
00009C				7633+JFCRQID DS H -	QUEUE IDENTIFICATION (QID) USED BY ACCESS	33950000
				7634+*	METHOD TO DETERMINE THE REMOTE TERMINAL	33952000
				7635+*	LOCATION FOR THIS JOB. ICB387	33960000
00009E				7636+ DS X -	LAST BYTE OF JFCBSQTY (MDC304)	@XM05457 33970000
00009F				7637+JFCFLGS1 DS B -	FLAG BYTE (ICB488)	SA53458 34000000
	00080			7638+JFCBDLET EQU X'80' -	IF ONE, DELETE THE DATA SET USED WHEN	34001000
				7639+*	EXTENDING THE JOB QUEUE OR SPOOL DATA SETS	34001600
				7640+*	(OS/VS1) (MDC305)	@XM05457 34002200
	00040			7641+JFCTOPEN EQU X'40' -	TAPE DATA SET HAS BEEN OPENED	MDC026 34003000
	00020			7642+JFCBADSP EQU X'20' -	AUTOMATIC DATA SET PROTECTION INDICATOR	34005000
				7643+*	(MDC310)	@Z40RP9A 34005100
	00010			7644+JFCBPROT EQU X'10' -	RACF PROTECT REQUESTED (OS/VS2)	34005200
				7645+*	(MDC314)	@G32HP9A 34005400
	00008			7646+JFCBCEOV EQU X'08' -	IF ONE, CHKPT=EOV SPECIFIED FOR THIS DATA SET	34005800
				7647+*	(MDC312)	@Z30JP9A 34006300
	00004			7648+JFCVRDS EQU X'04' -	VIO DATA SET	MDC006 34006800
	00002			7649+JFCBCKDS EQU X'02' -	DATA SET IS CHECKPOINT DATASET	@ZA52824 34007000
	00001			7650+JFCBUAFF EQU X'01' -	UNIT AFFINITY SPECIFIED FOR THIS DATA SET	34008000
				7651+*	(ICB488)	SA53458 34058000
0000A0				7652+JFCBDQTY DS CL3 -	QUANTITY OF DIRECT ACCESS STORAGE REQUIRED FOR	34500000
				7653+*	A DIRECTORY OR AN EMBEDDED INDEX AREA	34600000
0000A3				7654+JFCBSPNM DS 0AL3 -	MAIN STORAGE ADDRESS OF THE JFCB WITH WHICH	34650000
				7655+*	CYLINDERS ARE SPLIT (OS/VS1) (MDC315)	@ZA18180 34700000
0000A3				7656+JFCBFLG3 DS B -	FLAG BYTE (OS/VS2) (MDC316)	@ZA18180 34800000
	00080			7657+JFCDQDSP EQU X'80' -	REQUEST DEQUEUE OF TAPE VOLUME WHEN DEMOUNTED	34808000
				7658+*	(MDC317)	@ZA18180 34816000
	00040			7659+JFCBEXP EQU X'40' -	EXPIRATION DATE SPECIFIED (MDC318)	@ZA27139 34824000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
			00020	7660+JFCBRV02	EQU X'20',,C'X' - RESERVED	@ZA18180 34832000
			00010	7661+JFCBRV03	EQU X'10',,C'X' - RESERVED	@ZA18180 34840000
			00008	7662+JFCBRV04	EQU X'08',,C'X' - RESERVED	@ZA18180 34848000
			00004	7663+JFCBRV05	EQU X'04',,C'X' - RESERVED	@ZA18180 34856000
			00002	7664+JFCBRV06	EQU X'02',,C'X' - RESERVED	@ZA18180 34864000
			00001	7665+JFCBRV07	EQU X'01',,C'X' - RESERVED	@ZA18180 34872000
0000A4				7666+JFCBRV08	DS H - RESERVED (OS/VS2)	@ZA18180 34880000
0000A6				7667+JFCBABST	DS H - RELATIVE ADDRESS OF FIRST TRACK TO BE	34900000
				7668+*	ALLOCATED	35000000
0000A8				7669+JFCBSBNM	DS AL3 - MAIN STORAGE ADDRESS OF THE JFCB FROM WHICH	35100000
				7670+*	SPACE IS TO BE SUBALLOCATED	35200000
0000AB				7671+JFCBDR LH	DS CL3 - AVERAGE DATA BLOCK LENGTH	35300000
0000AE				7672+JFCBVLCT	DS XL1 - VOLUME COUNT	35400000
0000AF				7673+JFCBSPTN	DS XL1 - NUMBER OF TRACKS PER CYLINDER TO BE USED BY	35500000
				7674+*	THIS DATA SET WHEN SPLIT CYLINDER IS INDICATED	35600000
		000B0		7675+JFCBLGTH	EQU 176 - LENGTH OF JFCB	35800000
		000B0		7676+JFCBEND	EQU * -	35900000
				7677+	POP PRINT	35950000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				7679	IHAASCB	Address Space Control Block
				7680+*	%ASCBL1 : ;	00152002
				7681+*		00154002
				7682+*/	*****	*/ 00156002
				7683+*/		*/ 00158002
				7684+*/	ADDRESS SPACE CONTROL BLOCK	*/ 00158402
				7685+*/		*/ 00158802
				7686+*/	OS/V S2 SU64, 05/12/78, LEVEL=3	*/ 00158964
				7687+*/		*/ 00159602
				7688+*/	METHOD OF ACCESS	*/ 00159702
				7689+*/	BAL - DSECT IS PRODUCED UNLESS DSECT=NO IS SPECIFIED.	*/ 00159802
				7690+*/	USING ON ASCB GIVES ADDRESSABILITY FOR ALL SYMBOLS.	*/ 00159902
				7691+*/	PL/S - DCL ASCBPTR PTR	*/ 00173202
				7692+*/		*/ 00183202
				7693+*/	*****	*/ 00185202
				7694+*	%GOTO ASCBL2; /*	00185602
000000				7696+ASCB	DSECT	00200002
000000				7697+ASCBEGIN	DS 0D -	00250002
000000				7698+ASCBASCB	DS CL4 -	00300002
000004				7699+ASCBFWDP	DS A -	00350002
				7700+*		00400002
000008				7701+ASCBWDP	DS A -	00450002
				7702+*		00500002
00000C				7703+ASCBMSF	DS A -	00550040
				7704+*		00560040
000010				7705+ASCBSUPC	DS 0D -	00570040
				7706+*		00580040
000010				7707+ASCBSVRB	DS A -	00650040
000014				7708+ASCBSYNC	DS F -	00670040
				7709+*		00690040
000018				7710+ASCBIOSP	DS A -	00710040
				7711+*		00770040
				7712+*		00790040
00001C				7713+ASCBSPL	DS A -	00850002
000020				7714+ASCBPUS	DS F -	00900002
				7715+*		00950002
000024				7716+ASCBASID	DS H -	01050002
				7717+*		01100002
000026				7718+ASCBSEQN	DS H -	01150002
				7719+*		01200002
				7720+*		01250002
000028				7721+ASCBIO SM	DS H -	01300002
00002A				7722+ASCB RV07	DS FL1 -	01350002
00002B				7723+ASCB DP	DS FL1 -	01450002
				7724+*		01500002
00002C				7725+ASCBSTOR	DS A -	01550002
				7726+*		01600002
				7727+*		01610002
000030				7728+ASCB LDA	DS A -	01650002
				7729+*		01700002
000034				7730+ASCB RSM	DS 0A -	01720040
				7731+*		01730040
000034				7732+ASCB RSMF	DS B -	01800040
				7733+*		01801040

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
			00080	7734+ASCB2LPU EQU	X'80' -	SECOND LEVEL PREFERRED USER 01806040
				7735+*		(MDC369) @ZA17355 01807040
			00040	7736+ASCB1LPU EQU	X'40' -	FIRST LEVEL PREFERRED USER 01812040
				7737+*		(MDC370) @ZA17355 01813040
			00020	7738+ASCBN2LP EQU	X'20' -	SRM IN SYSEVENT TRANSWAP SHOULD NOT 01815040
				7739+*		SET ASCB2LPU BIT - HOWEVER IT MAY 01818040
				7740+*		ALREADY BE ON AND WILL STAY ON 01818340
				7741+*		(MDC371) @ZA17355 01819040
			00010	7742+ASCBVEQR EQU	X'10' -	V=R ADDRESS SPACE (MDC372) @ZA17355 01821040
			00008	7743+ASCBRV51 EQU	X'08' , , C'X' -	RESERVED @ZA17355 01824040
			00004	7744+ASCBRV52 EQU	X'04' , , C'X' -	RESERVED @ZA17355 01827040
			00002	7745+ASCBRV53 EQU	X'02' , , C'X' -	RESERVED @ZA17355 01830040
			00001	7746+ASCBRV54 EQU	X'01' , , C'X' -	RESERVED @ZA17355 01833040
000035				7747+ASCBRSMA DS	AL3 -	ADDRESS OF RSM'S CONTROL BLOCK 01839040
				7748+*		HEADER (MDC373) @ZA17355 01840040
000038				7749+ASCBBCSCB DS	A -	ADDRESS OF CSCB 01850002
00003C				7750+ASCBTSB DS	A -	ADDRESS OF TSB 01900002
000040				7751+ASCB EJST DS	D -	ELAPSED JOB STEP TIMING UNSIGNED 01950002
				7752+*		64 BIT BINARY NUMBER 02000002
000048				7753+ASCB EWST DS	D -	TIME OF DAY WHENEVER I-STREAM IS 02050002
				7754+*		SWITCHED FROM A MEMORY 02100002
000050				7755+ASCB JSTL DS	F -	CPU TIME LIMIT FOR THE JOB STEP 02150002
				7756+*		UNSIGNED 32 BIT BINARY NUMBER 02200002
000054				7757+ASCB ECB DS	F -	RCT'S WORK ECB 02250002
000058				7758+ASCB UBET DS	F -	TIME STAMP WHEN USER BECOMES READY 02300002
00005C				7759+ASCB RV44 DS	F -	RESERVED (MDC318) @Z40FP9A 02350040
000060				7760+ASCB DUMP DS	A -	SVC DUMP'S ECB POINTER 02400002
000064				7761+ASCB FW1 DS	0F -	FULL-WORD LABEL TO BE USED FOR 02410002
				7762+*		COMPARE AND SWAP FOR ANY BIT IN 02420002
				7763+*		THIS WORD MDC026 02430002
000064				7764+ASCB AFFN DS	H -	CPU AFFINITY INDICATOR 02450002
000066				7765+ASCB RCTF DS	B -	FLAGS FOR RCT 02500002
			00080	7766+ASCB TMNO EQU	X'80' -	MEMORY IS BEING QUIESCED, IS 02550002
				7767+*		QUIESCED, OR IS BEING RESTORED 02600002
			00040	7768+ASCB FRs EQU	X'40' -	RESTORE REQUEST 02650002
			00020	7769+ASCB FQU EQU	X'20' -	QUIESCE REQUEST 02700002
			00010	7770+ASCB RV08 EQU	X'10' , , C'X' -	RESERVED (MDC031) YM2236 02750002
			00008	7771+ASCB WAIT EQU	X'08' -	LONG WAIT INDICATOR 02800002
			00004	7772+ASCB OUT EQU	X'04' -	ADDRESS SPACE CONSIDERED SWAPPED OUT 02850002
			00002	7773+ASCB TMLW EQU	X'02' -	MEMORY IS IN A LONG WAIT 02900002
			00001	7774+ASCB RF01 EQU	X'01' , , C'X' -	RESERVED 02950002
000067				7775+ASCB FLG1 DS	B -	FLAG FIELD 03000002
			00080	7776+ASCB TOFF EQU	X'80' -	MEMORY SHOULD NOT BE CHECKED FOR JOB 03050002
				7777+*		STEP TIMING 03100002
			00040	7778+ASCB CMSh EQU	X'40' -	CMS LOCK HELD 03150002
			00020	7779+ASCB S3S EQU	X'20' -	STAGE II EXIT EFFECTOR HAS SCHEDULED 03200002
				7780+*		A RQE OR IQE AND STAGE III EXIT 03250002
				7781+*		EFFECTOR SHOULD BE INVOKED 03300002
			00010	7782+ASCB TERM EQU	X'10' -	ADDRESS SPACE TERMINATING NORMALLY 03350002
			00008	7783+ASCB ABNT EQU	X'08' -	ADDRESS SPACE TERMINATING ABNORMALLY 03400002
			00004	7784+ASCB STND EQU	X'04' -	TCB'S NON-DISPATCHABLE 03450002
			00002	7785+ASCB TYP1 EQU	X'02' -	TYPE 1 SVC HAS CONTROL 03500002
			00001	7786+ASCB NSWP EQU	X'01' -	PROGRAM IS NON SWAPPABLE OR WILL 03550002
				7787+*		RUN IN V=R REGION 03600002
000068				7788+ASCB TMCH DS	F -	TERMINATION QUEUE CHAIN 03650002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53	04/12/20
00006C				7789+ASCBASXB DS	A -	POINTER TO ADDRESS SPACE EXTENSION	03700002	
				7790+*		CONTROL BLOCK (ASXB)	03750002	
000070				7791+ASCBWCT DS	H -	NUMBER OF TIMES MEMORY ENTERS SHORT	03800002	
				7792+*		WAIT	03850002	
000072				7793+ASCBDSP1 DS	B -	NON-DISPATCHABILITY FLAGS	03900002	
		00080		7794+ASCBNOQ EQU	X'80' -	ASCB NOT ON ASCB DISPATCHING QUEUE	03950002	
		00040		7795+ASCBFAIL EQU	X'40' -	A FAILURE HAS OCCURRED WITHIN THE	04000002	
				7796+*		ADDRESS SPACE. THE MEMORY IS NON-	04050002	
				7797+*		DISPATCHABLE	04100002	
		00020		7798+ASCBRF02 EQU	X'20' , , C'X' -	RESERVED	MDC013 04110002	
		00010		7799+ASCBRF03 EQU	X'10' , , C'X' -	RESERVED	MDC014 04120002	
		00008		7800+ASCBRF04 EQU	X'08' , , C'X' -	RESERVED	04130002	
		00004		7801+ASCBRF05 EQU	X'04' , , C'X' -	RESERVED	04140002	
		00002		7802+ASCBRF06 EQU	X'02' , , C'X' -	RESERVED	04142002	
		00001		7803+ASCBRF07 EQU	X'01' , , C'X' -	RESERVED	04144002	
000073				7804+ASCBFLG2 DS	B -	FLAG BYTE	MDC015 04194002	
		00080		7805+ASCBXMPT EQU	X'80' -	ASCB EXEMPT FROM SYSTEM	04198002	
				7806+*		NON-DISPATCHABLE	MDC013 04198402	
		00040		7807+ASCBPXMT EQU	X'40' -	ASCB PERMANENTLY EXEMPT FROM SYSTEM	04198802	
				7808+*		NON-DISPATCHABLE	MDC014 04199202	
		00020		7809+ASCBCEXT EQU	X'20' -	CANCEL TIMER EXTENSION BECAUSE EOT	04199602	
				7810+*		PROCESSING IS STARTED FOR THE JOB	04199702	
				7811+*		STEP TCB	MDC021 04203902	
		00010		7812+ASCBS2S EQU	X'10' -	FOR LOCK MANAGER, ENTRY MADE TO	04205902	
				7813+*		STAGE II EXIT EFFECTOR WITHOUT	04207902	
				7814+*		CORRESPONDING ENTRY TO STAGE III	04208002	
				7815+*		EXIT EFFECTOR	MDC020 04208102	
		00008		7816+ASCBSNQS EQU	X'08' -	STATUS STOP NON-QUIESCEABLE LEVEL	04210102	
				7817+*		SRB'S	MDC028 04212102	
		00004		7818+ASCBRV04 EQU	X'04' , , C'X' -	RESERVED	04212402	
		00002		7819+ASCBRV05 EQU	X'02' , , C'X' -	RESERVED	04214464	
		00001		7820+ASCBRV06 EQU	X'01' , , C'X' -	RESERVED	04220464	
000074				7821+ASCBSSRB DS	H -	COUNT OF STATUS STOP SRB'S	04233302	
000076				7822+ASCB SRBS DS	H -	COUNT OF SRB'S DISPATCHED IN THIS	04250002	
				7823+*		MEMORY	04300002	
000078				7824+ASCBVSC DS	H -	ALLOCATED AUXILIARY SLOT COUNT	04350002	
				7825+*		(VAM)	MDC004 04400002	
00007A				7826+ASCBNVSC DS	H -	ALLOCATED AUXILIARY SLOT COUNT	04450002	
				7827+*		(NON-VAM)	MDC005 04460002	
00007C				7828+ASCBTCBS DS	F -	NUMBER OF READY TCB'S IN THIS	04470002	
				7829+*		MEMORY	MDC006 04480002	
000080				7830+ASCB LKGP DS	0D -	LOCK GROUP (MDC306)	@Z40FP9A 04500040	
000080				7831+ASCBLOCK DS	F -	LOCAL LOCK (MDC305)	@Z40FP9A 04540040	
000084				7832+ASCBLSQH DS	A -	LOCAL LOCK SUSPEND QUEUE HEADER	04580040	
				7833+*		(MDC307)	@Z40FP9A 04620040	
000088				7834+ASCBQECB DS	F -	QUIESCE ECB	04700002	
00008C				7835+ASCBMECB DS	F -	MEMORY CREATE/DELETE ECB	04750002	
000090				7836+ASCB OUCB DS	A -	SYSTEM RESOURCES MANAGER (SRM) USER	04760002	
				7837+*		CONTROL BLOCK POINTER	04770002	
000094				7838+ASCB OUXB DS	A -	SYSTEM RESOURCES MANAGER (SRM) USER	04780002	
				7839+*		EXTENSION BLOCK POINTER	04790002	
000098				7840+ASCB FMCT DS	H -	ALLOCATED PAGE FRAME COUNT	04792002	
00009A				7841+ASCB RS01 DS	H -	RESERVED FOR FUTURE USE	04794002	
00009C				7842+ASCBXMPQ DS	A -	POINTER TO XMPOST SRB QUEUE	MDC023 04796002	
0000A0				7843+ASCB IQEA DS	A -	POINTER TO IQE FOR ATCAM	04800002	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				7844+*		ASYNCHRONOUS PROCESSING MDC010 04810002
0000A4				7845+ASCBRTWA DS A -	POINTER TO LAST RTM2 WORK AREA	04860002
				7846+*	ACQUIRED FROM SQA	MDC011 04870002
0000A8				7847+ASCBMCC DS CL4 -	USED TO HOLD A MEMORY TERMINATION	04900002
				7848+*	COMPLETION CODE ON ABNORMAL MEMORY	04910002
				7849+*	TERMINATION	MDC012 04920002
0000AC				7850+ASCBJBNI DS A -	POINTER TO JOBNAME FIELD FOR	04930002
				7851+*	INITIATED PROGRAMS OR ZERO	MDC018 04940002
0000B0				7852+ASCBJBNS DS A -	POINTER TO JOBNAME FIELD FOR	04950002
				7853+*	START/MOUNT/LOGON OR ZERO	MDC019 04960002
0000B4				7854+ASCBSRQ DS 0F -	DISPATCHER SERIALIZATION QUEUE	05010040
				7855+*	(MDC312) @Z40FP9A	05012040
0000B4				7856+ASCBSRQ1 DS B -	FIRST BYTE OF ASCBSRQ	05014040
				7857+*	(MDC313) @Z40FP9A	05016040
	00080			7858+ASCBSTA EQU X'80' -	STATUS ACTIVE (MDC314) @Z40FP9A	05018040
	00040			7859+ASCBRV13 EQU X'40' , , C'X' -	RESERVED @Z40FP9A	05020040
	00020			7860+ASCBRV14 EQU X'20' , , C'X' -	RESERVED @Z40FP9A	05022040
	00010			7861+ASCBRV15 EQU X'10' , , C'X' -	RESERVED @Z40FP9A	05024040
	00008			7862+ASCBRV16 EQU X'08' , , C'X' -	RESERVED @Z40FP9A	05026040
	00004			7863+ASCBRV17 EQU X'04' , , C'X' -	RESERVED @Z40FP9A	05028040
	00002			7864+ASCBRV18 EQU X'02' , , C'X' -	RESERVED @Z40FP9A	05030040
	00001			7865+ASCBRV19 EQU X'01' , , C'X' -	RESERVED @Z40FP9A	05032040
0000B5				7866+ASCBSRQ2 DS B -	SECOND BYTE OF ASCBSRQ	05034040
				7867+*	(MDC315) @Z40FP9A	05036040
	00080			7868+ASCBRV20 EQU X'80' , , C'X' -	RESERVED @Z40FP9A	05038040
	00040			7869+ASCBRV21 EQU X'40' , , C'X' -	RESERVED @Z40FP9A	05040040
	00020			7870+ASCBRV22 EQU X'20' , , C'X' -	RESERVED @Z40FP9A	05042040
	00010			7871+ASCBRV23 EQU X'10' , , C'X' -	RESERVED @Z40FP9A	05044040
	00008			7872+ASCBRV24 EQU X'08' , , C'X' -	RESERVED @Z40FP9A	05046040
	00004			7873+ASCBRV25 EQU X'04' , , C'X' -	RESERVED @Z40FP9A	05048040
	00002			7874+ASCBRV26 EQU X'02' , , C'X' -	RESERVED @Z40FP9A	05050040
	00001			7875+ASCBRV27 EQU X'01' , , C'X' -	RESERVED @Z40FP9A	05052040
0000B6				7876+ASCBSRQ3 DS B -	THIRD BYTE OF ASCBSRQ	05054040
				7877+*	(MDC316) @Z40FP9A	05056040
	00080			7878+ASCBRV28 EQU X'80' , , C'X' -	RESERVED @Z40FP9A	05058040
	00040			7879+ASCBRV29 EQU X'40' , , C'X' -	RESERVED @Z40FP9A	05060040
	00020			7880+ASCBRV30 EQU X'20' , , C'X' -	RESERVED @Z40FP9A	05062040
	00010			7881+ASCBRV31 EQU X'10' , , C'X' -	RESERVED @Z40FP9A	05064040
	00008			7882+ASCBRV32 EQU X'08' , , C'X' -	RESERVED @Z40FP9A	05066040
	00004			7883+ASCBRV33 EQU X'04' , , C'X' -	RESERVED @Z40FP9A	05068040
	00002			7884+ASCBRV34 EQU X'02' , , C'X' -	RESERVED @Z40FP9A	05070040
	00001			7885+ASCBRV35 EQU X'01' , , C'X' -	RESERVED @Z40FP9A	05072040
0000B7				7886+ASCBSRQ4 DS B -	FOURTH BYTE OF ASCBSRQ	05074040
				7887+*	(MDC317) @Z40FP9A	05076040
	00080			7888+ASCBRV36 EQU X'80' , , C'X' -	RESERVED @Z40FP9A	05078040
	00040			7889+ASCBRV37 EQU X'40' , , C'X' -	RESERVED @Z40FP9A	05080040
	00020			7890+ASCBRV38 EQU X'20' , , C'X' -	RESERVED @Z40FP9A	05082040
	00010			7891+ASCBRV39 EQU X'10' , , C'X' -	RESERVED @Z40FP9A	05084040
	00008			7892+ASCBRV40 EQU X'08' , , C'X' -	RESERVED @Z40FP9A	05086040
	00004			7893+ASCBRV41 EQU X'04' , , C'X' -	RESERVED @Z40FP9A	05088040
	00002			7894+ASCBRV42 EQU X'02' , , C'X' -	RESERVED @Z40FP9A	05090040
	00001			7895+ASCBRV43 EQU X'01' , , C'X' -	RESERVED @Z40FP9A	05092040
0000B8				7896+ASCBVGTT DS A -	ADDRESS OF VSAM GLOBAL TERMINATION	05110002
				7897+*	TABLE (VGTT) MDC024	05160002
0000BC				7898+ASCBPCTT DS A -	ADDRESS OF PRIVATE CATALOG	05210002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				7899+*	TERMINATION TABLE (PCTT)	MDC025 05220002
0000C0				7900+ASCBRS12 DS	H -	RESERVED FOR FUTURE USE 05250002
0000C2				7901+ASCBMCT DS	FL1 -	NUMBER OF OUTSTANDING STEP MUST 05300002
				7902+*		COMPLETE REQUESTS IN ADDRESS 05310002
				7903+*		SPACE MDC016 05320002
0000C3				7904+ASCB SRBM DS	B -	MODEL PSW BYTE 0 USED BY SRB 05330064
				7905+*		DISPATCHER (MDC379) @G64RP9A 05350064
		00040		7906+ASCB PER EQU	X'40' -	PER BIT IN ASCB SRBM - ALSO USED TO 05360064
				7907+*		SHOW PER STATUS FOR THE ADDRESS 05370064
				7908+*		SPACE (MDC380) @G64RP9A 05380064
0000C4				7909+ASCB SWTL DS	F -	STEP WAIT TIME LIMIT MDC029 05400002
0000C8				7910+ASCB SRBT DS	D -	ACCUMULATED SRB TIME MDC030 05410002
0000D0				7911+ASCB END DS	0D -	END OF ASCB 05450002
		000D0		7912 ASCB LEN EQU	*-ASCB	Length of ASCB

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
000000				7914 UCB	DSECT	
				7915	IEFUCBOB LIST=YES,PREFIX=NO Unit Control Block	
				7916+*/	%UCBL1 : ;	00250000
				7917+*/	*****	*/ 00300000
				7918+*/		*/ 00350000
				7919+*/	UNIT CONTROL BLOCK	*/ 00400000
				7920+*/		*/ 00450000
				7921+*/	*****	*/ 00500000
				7922+*/		*/ 00550000
				7923+*/	STATUS	*/ 00600000
				7924+*/		*/ 00650000
				7925+*/	OS/VS2 PTF. 07/24/79, LEVEL=2, (3800 ENH. FDM1133 SUPPORT).	*/ 00660003
				7926+*/		*/ 00750000
				7927+*/	METHOD OF ACCESS	*/ 00800000
				7928+*/		*/ 00850000
				7929+*/	-MULTIPROCESSING PREFIX, COMMON AND DEVICE DEPENDENT SEGMENTS,	*/ 00900000
				7930+*/	AND DEVICE DEPENDENT EXTENSIONS.	*/ 00950000
				7931+*/	THE UCB ADDRESS LOCATED FROM THE UCB LOOK UP TABLE POINTS	*/ 01000000
				7932+*/	TO THE COMMON SEGMENT. THIS ADDRESS MUST HAVE THE PREFIX	*/ 01050000
				7933+*/	ADDRESSABILITY CONSTANT SUBTRACTED FROM IT IN ORDER TO MAP	*/ 01100000
				7934+*/	THE PREFIX FIELDS AND STANDARD FIELDS VIA THIS MACRO.	*/ 01150000
				7935+*/		*/ 01200000
				7936+*/	PL/S - DCL UCBPTR PTR	*/ 01250000
				7937+*/	BAL - PREFIX=YES	*/ 01300000
				7938+*/	A DSECT STATEMENT LABELED UCB IS PROVIDED. A	*/ 01350000
				7939+*/	USING STATEMENT ON THE SYMBOL UCB WILL PROVIDE	*/ 01400000
				7940+*/	ADDRESSABILITY TO ALL PORTIONS OF THIS MAPPING	*/ 01450000
				7941+*/	MACRO EXCEPT THE EXTENSIONS. ADDITIONAL USING	*/ 01500000
				7942+*/	STATEMENTS ARE NECESSARY TO OBTAIN ADDRESSING	*/ 01550000
				7943+*/	TO THESE EXTENSIONS. THESE ARE AS FOLLOWS -	*/ 01600000
				7944+*/		*/ 01650000
				7945+*/	COMMON EXTENSION UCBCMEXT	*/ 01700000
				7946+*/	MAGNETIC TAPE EXTENSION UCBMT	*/ 01750000
				7947+*/	OPTICAL CHARACTER READER EXT UCBOCR	*/ 01800000
				7948+*/	3540 DEVICE EXTENSION UCB3540X @Z300P9A	*/ 01820003
				7949+*/	3800 DEVICE EXTENSION UCB3800X @Z40MP9A	*/ 01830004
				7950+*/	UNIT RECORD WITH UCS EXTENSION UCBUCS	*/ 01850000
				7951+*/		*/ 01900000
				7952+*/	WHEN LISTING IS SUPPRESSED, YOU CAN DETERMINE WHICH	*/ 01950000
				7953+*/	DSECT A SYMBOL IS IN BY USING THE STATEMENT NUMBER	*/ 02000000
				7954+*/	IN THE DEFN COLUMN IN THE CROSS REFERENCE LISTING.	*/ 02050000
				7955+*/	FOR EXAMPLE, ANY SYMBOL DEFINED BETWEEN THE	*/ 02100000
				7956+*/	STATEMENT NUMBERS FOR UCBMT AND UCBOCR IS IN THE	*/ 02150000
				7957+*/	UCBMT DSECT.	*/ 02200000
				7958+*/		*/ 02250000
				7959+*/	-ALL PORTIONS EXCEPT THE MP PREFIX.	*/ 02300000
				7960+*/		*/ 02350000
				7961+*/	BAL - PREFIX=NO OR THE PREFIX PARAMETER OMITTED OR EQUAL	*/ 02400000
				7962+*/	TO ANY STRING OTHER THAN YES.	*/ 02450000
				7963+*/	A DSECT STATEMENT SHOULD PRECEDE THE MACRO CALL.	*/ 02500000
				7964+*/	SYMBOLS IN THE COMMON SECTION AND DEVICE DEPENDENT	*/ 02550000
				7965+*/	SEGMENTS ARE ADDRESSABLE BY A USING ON UCB0B.	*/ 02600000
				7966+*/	THE ABOVE COMMENTS ON THE EXTENSIONS APPLY HERE.	*/ 02650000
				7967+*/		*/ 02700000
				7968+*/	F.E.'S	*/ 02750000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				7969+*/	*/	02800000
				7970+*/	MICROFICHE LISTING - IEFUCBOB	*/ 02850000
				7971+*/		*/ 02900000
				7972+*/	DEVELOPERS	*/ 02950000
				7973+*/		*/ 03000000
				7974+*/	BAL LISTING - SPECIFY LIST=YES ON MACRO CALL	*/ 03050000
				7975+*/	PL/S LISTING - SPECIFY %IHALIST='YES' BEFORE INCLUDE	*/ 03100000
				7976+*/		*/ 03150000
				7977+*/		*/ 03200000
				7978+*/	FUNCTION	*/ 03250000
				7979+*/		*/ 03300000
				7980+*/	A UNIT CONTROL BLOCK INCORPORATING A SYSTEM RESOURCE TABLE	*/ 03350000
				7981+*/	RECORDS THE STATUS OF A PHYSICAL INPUT OUTPUT DEVICE	*/ 03400000
				7982+*/	ADDRESS AND IS CREATED AND INITIALIZED DURING SYSTEM	*/ 03450000
				7983+*/	GENERATION. THE UNIT CONTROL BLOCK RESIDES IN THE NUCLEUS	*/ 03500000
				7984+*/	BELOW 64K AND MAY POINT TO A DEVICE TYPE DEPENDENT	*/ 03550003
				7985+*/	EXTENSION RESIDING HIGHER IN THE NUCLEUS.	*/ 03600000
				7986+*/	THE COMMON SEGMENT OF THE UCB IS POINTED TO BY	*/ 03650000
				7987+*/	THE UCB LOOKUP TABLE WHICH IS INDEXED BY	*/ 03700000
				7988+*/	A FUNCTION OF THE CHANNEL CONTROL UNIT DEVICE ADDRESS.	*/ 03750000
				7989+*/	THE UCB MAY BE POINTED TO BY TASK INPUT/OUTPUT TABLES	*/ 03800000
				7990+*/	AND DATA EXTENT BLOCKS. THE UCB WILL CONTAIN INDICES	*/ 03850000
				7991+*/	INTO DEVICE STATISTICS, ATTENTION AND LOGICAL CHANNEL	*/ 03900000
				7992+*/	TABLES.	*/ 03950000
				7993+*/		*/ 04000000
				7994+*/	OUTPUT	*/ 04050000
				7995+*/	MULTIPROCESSING PREFIX	*/ 04100000
				7996+*/	SYSGEN INDEPENDENT COMMON SECTION	*/ 04150000
				7997+*/	INCLUDING UCBTYP WORD	*/ 04200000
				7998+*/	DEVICE DEPENDENT SEGMENT (ONE OF THE FOLLOWING)	*/ 04250000
				7999+*/	DIRECT ACCESS	*/ 04300000
				8000+*/	MAGNETIC TAPE	*/ 04350000
				8001+*/	UNIT RECORD WITH UCS OR 3886 OR 3540 OR 3800	@Z40MP9A*/ 04400004
				8002+*/	GRAPHICS EXCEPT 3270	*/ 04450000
				8003+*/	3270 GRAPHICS	*/ 04500000
				8004+*/	3704, 3705 TELEPROCESSING DEVICE	*/ 04550000
				8005+*/	CHANNEL-TO-CHANNEL DEVICE	*/ 04560004
				8006+*/	3851 OR 3838 DEVICE	@G29AN9A*/ 04565016
				8007+*/	COMMON EXTENSION	*/ 04600000
				8008+*/	UCB EXTENSION (ONE OF THE FOLLOWING)	*/ 04650000
				8009+*/	MAGNETIC TAPE	*/ 04700000
				8010+*/	OPTICAL CHARACTER READER	*/ 04750000
				8011+*/	3540 DEVICE	@Z300P9A*/ 04770003
				8012+*/	3800 DEVICE	@Z40MP9A*/ 04780004
				8013+*/	UNIT RECORD WITH UNIVERSAL CHARACTER SET	*/ 04800000
				8014+*/		*/ 04850000
				8015+*/	*****	*/ 04900000
				8016+*	%GOTO UCBL2; /*	04950000
				8017+	PUSH PRINT	05000000
				8018+	*****	06250000
				8019+		06300000
				8020+	SYSGEN-INDEPENDENT	06350000
				8021+	COMMON SECTION	06400000
				8022+		06450000
000000				8023+UCBOB	DS 0F	06500000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
		00000		8024+UCBBGN	EQU	* -	MDC158 06600000
				8025+*			06700000
				8026+*****			06750000
				8027+*			06800000
000000		00000		8028+UCBCMSEG	EQU	* -	MDC168 06850000
				8029+UCBJBNR	DS	B -	MDC012 06900000
		00080		8030+UCBVRDEV	EQU	X'80' -	@G51BP9A 06950051
		00040		8031+UCBJES3	EQU	X'40' -	07000000
				8032+*			07050000
				8033+*			MDC246 07100000
		00020		8034+UCBDUC	EQU	X'20' -	07150004
				8035+*			(MDC347) @ZA04127 07160004
		00010		8036+UCBBOX	EQU	X'10' -	07200041
				8037+*			07210041
				8038+*			DUE TO A ERROR (MDC383) @ZA36385 07220041
		00008		8039+UCBOLDISM	EQU	X'08' -	07250003
				8040+*			07258003
				8041+*			NOT THROUGH THE MASS STORAGE SYSTEM 07266003
				8042+*			07274003
				8043+*			(MDC301) @Z30LP9A 07282003
		00004		8044+UCBMMSGP	EQU	X'04' -	07300003
				8045+*			07310003
				8046+*			07320003
				8047+*			BEEN ISSUED. (MDC361) @ZA14242 07330003
		00002		8048+UCBURINP	EQU	X'02' -	07350041
				8049+*			(MDC384) @ZA36385 07360041
		00001		8050+UCBMONT	EQU	X'01' -	07400000
				8051+*			07450000
				8052+*			07500000
				8053+*			DATA MANAGEMENT FOR OS/VS2) MDC014 07550000
000001				8054+UCBFL5	DS	B -	07600000
		00080		8055+UCBDCC	EQU	X'80' -	07650000
				8056+*			MDC098 07700000
		00040		8057+UCBAF	EQU	X'40' -	07750000
				8058+*			07800000
				8059+*			COMMUNICATIONS TASK ICB321 07850000
		00040		8060+UCBAMV	EQU	X'40' -	07900000
				8061+*			07950000
				8062+*			VTOC (VSAM DIRECT ACCESS DEVICES 08000000
				8063+*			ONLY) ICB437 08050000
		00020		8064+UCBSASK	EQU	X'20' -	08100000
				8065+*			08150000
		00010		8066+UCBVSDR	EQU	X'10' -	08200000
		00008		8067+UCBENVRD	EQU	X'08' -	08250000
				8068+*			08300000
		00004		8069+UCBNALOC	EQU	X'04' -	08350000
				8070+*			08400000
				8071+*			08450000
				8072+*			08500000
				8073+*			08550000
				8074+*			08600000
				8075+*			08650000
				8076+*			08700000
				8077+*			08750000
				8078+*			08800000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				8079+*	OBTAIN VIA ENQ, EXCLUSIVE, SYSTEM	08850000
				8080+*	LEVEL CONTROL OF RESOURCE SYSIEFSD,	08900000
				8081+*	Q4. SERIALIZATION IS NOT REQUIRED	08950000
				8082+*	TO TURN THIS INDICATOR OFF. MDC027	09000000
		00002		8083+UCBALTCU EQU X'02' -	DEVICE HAS AN ALTERNATE CONTROL UNIT	09050000
				8084+*	ADDRESS	09100000
		00001		8085+UCBALTPH EQU X'01' -	DEVICE HAS AN ALTERNATE PATH	09150000
000002				8086+UCBID DS C -	UCB IDENTIFICATION (FF)	09200000
		000FF		8087+UCBSTND EQU X'FF' -	STANDARD UCB MDC101	09250000
000003				8088+UCBSTAT DS B -	DEVICE STATUS	09300000
		00080		8089+UCBONLI EQU X'80' -	DEVICE IS ONLINE	09350000
		00040		8090+UCBCHGS EQU X'40' -	DEVICE STATUS IS TO BE CHANGED FROM	09400000
				8091+*	ONLINE TO OFFLINE, AND EITHER	09450000
				8092+*	ALLOCATION IS ENQUEUED ON DEVICES	09500000
				8093+*	OR THE DEVICE IS ALLOCATED. (BIT 0	09550000
				8094+*	IS ALSO ON.)	09600000
		00020		8095+UCBRESV EQU X'20' -	THE MOUNT STATUS OF THE VOLUME ON	09650000
				8096+*	THIS DEVICE IS RESERVED	09700000
		00010		8097+UCBUNLD EQU X'10' -	UNLOAD OPERATOR COMMAND HAS BEEN	09750000
				8098+*	ADDRESSED TO THIS DEVICE. THE	09800000
				8099+*	DEVICE IS NOT YET UNLOADED.	09850000
		00008		8100+UCBALOC EQU X'08' -	DEVICE IS ALLOCATED	09900000
		00004		8101+UCBPRES EQU X'04' -	THE MOUNT STATUS OF THE VOLUME ON	09950000
				8102+*	THIS DEVICE IS PERMANENTLY RESIDENT	10000000
		00002		8103+UCBSYSR EQU X'02' -	SYSTEM RESIDENCE DEVICE OR	10050000
				8104+*	PRIMARY CONSOLE OR	10100000
				8105+*	ACTIVE CONSOLE	10150000
		00001		8106+UCBDADI EQU X'01' -	STANDARD TAPE LABELS HAVE BEEN	10200000
				8107+*	VERIFIED FOR THIS TAPE VOLUME	10250000
				8108+*	OR SECONDARY CONSOLE OR	10300000
				8109+*	CONSOLE STATUS CHANGING	10350000
000004				8110+UCBCHAN DS 0FL2 -	BINARY CHANNEL/UNIT ADDRESS MDC102	10400000
000004				8111+UCBCHA DS FL1 -	BINARY CHANNEL ADDRESS OF LAST	10450000
				8112+*	STARTED I/O OPERATION	10500000
000005				8113+UCBUA DS FL1 -	BINARY UNIT ADDRESS	10550000
000006				8114+UCBSFLS DS 0BL2 -	DEVICE STATUS FLAGS MDC103	10600000
000006				8115+UCBFLA DS BL1 -	I/O SUPERVISOR FLAG BYTE A MDC104	10650000
		00006		8116+UCBFL1 EQU UCBFLA -	ALIAS	10700000
		00080		8117+UCBBSY EQU X'80' -	DEVICE IS BUSY MDC105	10750000
		00080		8118+UCBBUSYD EQU UCBBSY -	ALIAS	10800000
		00040		8119+UCBNRY EQU X'40' -	DEVICE NOT READY MDC106	10850000
		00040		8120+UCBNOTRD EQU UCBNRY -	ALIAS	10900000
		00020		8121+UCBPST EQU X'20' -	POST FLAG (ASSOC IOQE) MDC107	10950000
		00020		8122+UCBUSING EQU UCBPST -	ALIAS	11000000
		00010		8123+UCBPSNS EQU X'10' -	PENDING SENSE OPERATION MDC108	11050000
		00008		8124+UCBCUB EQU X'08' -	CONTROL UNIT BUSY MDC109	11100000
		00008		8125+UCBNOTRC EQU UCBCUB -	ALIAS	11150000
		00004		8126+UCBSAP EQU X'04' -	STAND ALONE PROCESS ON DEVICE ACTIVE	11200000
				8127+*	(EG., RESERVE) MDC110	11250000
		00002		8128+UCBACTV EQU X'02' -	CHANNEL PROGRAM ACTIVE ON DEVICE	11300000
				8129+*	MDC111	11350000
		00001		8130+UCBQISCE EQU X'01' -	DEVICE QUIESCED MDC112	11400000
000007				8131+UCBFLB DS BL1 -	I/O SUPERVISOR FLAG BYTE B MDC113	11450000
		00080		8132+UCBIORST EQU X'80' -	I/O RESTART VIA ALTERNATE CPU	11500000
				8133+*	RECOVERY HAS FACTORED DEVICE OUT	11550000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				8134+*	OF CONFIGURATION BECAUSE OF	11600000
				8135+*	NON-ACCESSABILITY. ALL INCOMING	11650000
				8136+*	I/O REQUESTS ARE INTERCEPTED AND	11700000
				8137+*	MARKED IN PERMANENT ERROR WITH A	11750000
				8138+*	COMPLETION CODE OF X'51'.	11800003
				8139+*	HOWEVER, IF CHANNEL RECONFIGURATION	11805003
				8140+*	HARDWARE (CRH) IS ACTIVE AND CRH	11810003
				8141+*	WILL BE USED TO ACCESS THE DEVICE	11815003
				8142+*	ASSOCIATED WITH THE UCB, THIS BIT	11820003
				8143+*	WILL BE ON IN EVERY UCB THAT HAS	11825003
				8144+*	OUTSTANDING I/O ACROSS A CRH PATH.	11830003
				8145+*	(MDC320) @Z30CQ9A	11835003
	00040			8146+UCBASNS EQU X'40' -	SENSE ACTIVE ON DEVICE MDC115	11850000
	00020			8147+UCBSPST EQU X'20' -	SENSE POST INDICATOR MDC116	11900000
	00010			8148+UCBRESVH EQU X'10' -	DEVICE RESERVED INDICATOR MDC157	11950000
	00008			8149+UCBCRHRV EQU X'08' -	RESERVED PATH THROUGH A CHANNEL	12000003
				8150+*	RECONFIGURATION HARDWARE (CRH)	12010003
				8151+*	CONNECTION (MDC303) @Z30CQ9A	12020003
	00004			8152+UCBCRHSN EQU X'04' -	IF 1, SENSE PENDING FROM INOPERATIVE	12050003
				8153+*	CPU. IF 0, SENSE PENDING FROM	12058003
				8154+*	OPERATIVE CPU. BIT IS SET ONLY WHEN	12066003
				8155+*	CHANNEL RECONFIGURATION HARDWARE	12074003
				8156+*	(CRH) IS ACTIVE. (MDC332) @Z30CQ9A	12082003
	00002			8157+UCBVALPH EQU X'02' -	PATH VALIDATION (MDC337) @ZA00078	12100003
	00001			8158+UCBSIGP EQU X'01' -	IOS SIGP INDICATOR TO PREVENT	12150004
				8159+*	PING/PONG (MDC346) @ZA03601	12160004
000008				8160+UCBCHM DS 0B -	PATH STATUS MASK FOR THIS DEVICE	12200000
				8161+*	MDC198	12250000
000008				8162+UCBCHM1 DS B -	SAME AS UCBCHM MDC199	12300000
	000C0			8163+UCBPTH0 EQU X'C0' -	PATHS FROM CPU 0 MDC200	12350000
	00080			8164+UCBPPA EQU X'80' -	PRIMARY PATH CPU 0. IF 0, PATH IS	12400004
				8165+*	AVAILABLE. IF 1, PATH IS	12410004
				8166+*	UNAVAILABLE. (MDC350) @Z40AQ9A	12420004
	00040			8167+UCBSPA EQU X'40' -	SECONDARY PATH CPU 0. IF 0, PATH IS	12450004
				8168+*	AVAILABLE. IF 1, PATH IS	12460004
				8169+*	UNAVAILABLE. (MDC351) @Z40AQ9A	12470004
	00030			8170+UCBPTH1 EQU X'30' -	PATHS FROM CPU 1 MDC203	12500000
	00020			8171+UCBPPB EQU X'20' -	PRIMARY PATH CPU 1. IF 0, PATH IS	12550004
				8172+*	AVAILABLE. IF 1, PATH IS	12560004
				8173+*	UNAVAILABLE. (MDC352) @Z40AQ9A	12570004
	00010			8174+UCBSPB EQU X'10' -	SECONDARY PATH CPU 1. IF 0, PATH IS	12600004
				8175+*	AVAILABLE. IF 1, PATH IS	12610004
				8176+*	UNAVAILABLE. (MDC353) @Z40AQ9A	12620004
	00008			8177+UCBRV014 EQU X'08' , , C'X' -	RESERVED	12650000
	00004			8178+UCBRV015 EQU X'04' , , C'X' -	RESERVED	12700000
	00002			8179+UCBRV016 EQU X'02' , , C'X' -	RESERVED	12750000
	00001			8180+UCBRV017 EQU X'01' , , C'X' -	RESERVED	12800000
000009				8181+UCBCNT DS FL1 -	COUNT OF QUEUED REQUESTS WAITING	12850000
				8182+*	FOR DEVICE MDC206	12900000
00000A				8183+UCBLCI DS FL1 -	INCREMENT WHICH, WHEN MULTIPLIED BY	12950000
				8184+*	32, BECOMES AN INDEX TO THE LOGICAL	13000004
				8185+*	CHANNEL TABLE (LCHTAB)	13050000
				8186+*	(MDC349) @Z40AQ9A	13070004
00000B				8187+UCBCPU DS XL1 -	LAST SIO TO DEVICE ISSUED FROM THIS	13100000
				8188+*	CPUID MDC207	13150000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
00000C				8189+UCBWGT	DS	B -	FLAGS 13200000
		00080		8190+UCBIN	EQU	X'80' -	SYSIN 13250000
		00040		8191+UCBOUT	EQU	X'40' -	SYSOUT 13300000
		00020		8192+UCBPUB	EQU	X'20' -	ASSUMED THAT THIS DEVICE WILL BE 13350000
				8193+*			ALLOCATED FOR A PUBLIC VOLUME 13400000
				8194+*			REQUEST 13450000
		00010		8195+UCBREW	EQU	X'10' -	REWIND COMMAND HAS BEEN ADDRESSED TO 13500000
				8196+*			THIS MAGNETIC DEVICE BY I/O SUPPORT 13550000
		00008		8197+UCBMTPXP	EQU	X'08' -	MULTIPLE EXPOSURE DEVICE MDC117 13600000
		00004		8198+UCBVORSN	EQU	X'04' -	VARY COMMAND OPERATOR REASON 13650000
				8199+*			INDICATOR MDC118 13700000
		00002		8200+UCBVHRSN	EQU	X'02' -	VARY COMMAND HIERARCHY REASON 13750000
				8201+*			INDICATOR MDC119 13800000
		00001		8202+UCBRV029	EQU	X'01' , , C'X' -	RESERVED MDC028 13850000
00000D				8203+UCBNAME	DS	CL3 -	UNIT NAME (EBCDIC) 13900000
000010				8204+UCBTYP	DS	0CL4 -	DEVICE TYPE 13950000
000010				8205+UCBTBYT1	DS	B -	MODEL BITS 14000000
		00080		8206+UCB1FEA0	EQU	X'80' -	BIT 0 14050000
		00040		8207+UCB1FEA1	EQU	X'40' -	BIT 1 14100000
		00020		8208+UCB1FEA2	EQU	X'20' -	BIT 2 14150000
		00010		8209+UCB1FEA3	EQU	X'10' -	BIT 3 14200000
		00008		8210+UCB1FEA4	EQU	X'08' -	BIT 4 14250000
		00004		8211+UCB1FEA5	EQU	X'04' -	BIT 5 14300000
		00004		8212+UCBD1600	EQU	X'04' -	1600 BPI ICB475 14350000
		00002		8213+UCB1FEA6	EQU	X'02' -	BIT 6 14400000
		00002		8214+UCBD6250	EQU	X'02' -	6250 BPI ICB475 14450000
		00001		8215+UCB1FEA7	EQU	X'01' -	BIT 7 14500000
000011				8216+UCBTBYT2	DS	B -	OPTION FLAGS 14550000
		00080		8217+UCB20PT0	EQU	X'80' -	FLAG 0 14600000
		00040		8218+UCB20PT1	EQU	X'40' -	FLAG 1 14650000
		00020		8219+UCB20PT2	EQU	X'20' -	FLAG 2 14700000
		00020		8220+UCBDUDN1	EQU	X'20' -	DUAL DENSITY 800/1600 BPI ICB475 14750000
		00020		8221+UCBRR	EQU	X'20' -	THIS DEVICE IS SHARABLE BETWEEN 14800000
				8222+*			TWO CPU'S (DIRECT ACCESS) MDC159 14850000
		00010		8223+UCB20PT3	EQU	X'10' -	FLAG 3 14900000
		00010		8224+UCBDUDN2	EQU	X'10' -	DUAL DENSITY 1600/6250 BPI ICB475 14950000
		00010		8225+UCBRPS	EQU	X'10' -	ROTATIONAL POSITION SENSING (RPS) 15000000
				8226+*			DEVICE (DIRECT ACCESS) MDC120 15050000
		00008		8227+UCB20PT4	EQU	X'08' -	FLAG 4 15100000
		00008		8228+UCBRWTAU	EQU	X'08' -	READ/WRITE TAPE CONTROL MDC166 15150000
		00008		8229+UCBRVDEV	EQU	X'08' -	IF 0, REAL DEVICE. IF 1, VIRTUAL 15160003
				8230+*			DEVICE. (DIRECT ACCESS) 15170003
				8231+*			(MDC300) @Z30LP9A 15180003
		00004		8232+UCB20PT5	EQU	X'04' -	FLAG 5 15200000
		00002		8233+UCB20PT6	EQU	X'02' -	FLAG 6 15250000
		00002		8234+UCBVLPWR	EQU	X'02' -	VOLUME REQUIRES ALTERNATE POWER 15300003
				8235+*			SOURCE DEVICE (MDC322) @Z30AQ9A 15310003
		00001		8236+UCB20PT7	EQU	X'01' -	FLAG 7 15350000
		00001		8237+UCBDVPWR	EQU	X'01' -	DEVICE HAS ALTERNATE POWER SOURCE 15400003
				8238+*			(MDC323) @Z30AQ9A 15410003
000012				8239+UCBDVCLS	DS	0B -	SAME AS UCBTBYT3 MDC169 15450000
000012				8240+UCBTBYT3	DS	B -	CLASS BITS 15500000
		00080		8241+UCB3TAPE	EQU	X'80' -	TAPE 15550000
		00040		8242+UCB3COMM	EQU	X'40' -	COMMUNICATIONS 15600000
		00041		8243+UCB3CTC	EQU	X'41' -	CHANNEL-TO-CHANNEL ADAPTER MDC239 15650000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
			00020	8244+UCB3DACC	EQU	X'20' -	DIRECT ACCESS 15700000
			00010	8245+UCB3DISP	EQU	X'10' -	DISPLAY 15750000
			00008	8246+UCB3UREC	EQU	X'08' -	UNIT RECORD 15800000
			00004	8247+UCB3CHAR	EQU	X'04' -	CHARACTER READER 15850000
			00002	8248+UCBRSV10	EQU	X'02' , , C'X' -	RESERVED 15900000
			00001	8249+UCBRSV11	EQU	X'01' , , C'X' -	RESERVED 15950000
000013				8250+UCBUNTYP	DS	0C -	SAME AS UCBTBYT4 MDC170 16000000
000013				8251+UCBTBYT4	DS	C -	DEVICE CODE 16050000
		000F1		8252+UCB3791L	EQU	X'F1' -	3791 LOCAL CONTROL UNIT 16053004
				8253+*			(MDC342) @Z40KP9A 16056004
		0004C		8254+UCB3838	EQU	X'4C' -	3838 ARRAY PROCESSOR 16057016
				8255+*			(MDC360) @G29AN9A 16058016
		00042		8256+UCBDSM	EQU	X'42' -	MASS STORAGE CONTROL (MSC) (3851) 16060003
				8257+*			(MDC329) @Z30LP9A 16070003
		0003D		8258+UCB7443	EQU	X'3D' -	7443 SERVICE RECORD FILE 16073051
				8259+*			(MDC368) @G51DP9A 16076051
		00019		8260+UCB3895	EQU	X'19' -	3895 DEVICE (MDC363) @G30AP9A 16080016
		00011		8261+UCB42AD1	EQU	X'11' -	2702 CONTROL UNIT WITH TYPE 1 16100000
				8262+*			ADAPTOR 16150000
		0000E		8263+UCB3800	EQU	X'0E' -	3800 DEVICE (MDC321) @Z40MP9A 16170004
		0000D		8264+UCB3036	EQU	X'0D' -	3036 DISPLAY CONSOLE 16180051
				8265+*			(MDC367) @G51AP9A 16190051
		00009		8266+UCB3211	EQU	X'09' -	3211 PRINTER MDC165 16200000
		00003		8267+UCB3400	EQU	X'03' -	3400 MAGNETIC TAPE MDC021 16250000
		00001		8268+UCB2400	EQU	X'01' -	2400 SERIES MAGNETIC TAPE 16300000
				8269+*			DEVICE ICB376 16350000
000014				8270+UCBEXTPT	DS	0A -	ADDRESS OF COMMON UCB EXTENSION 16400000
				8271+*			MDC227 16450000
000014				8272+UCBFLC	DS	BL1 -	I/O SUPERVISOR FLAG BYTE C MDC228 16500000
		00080		8273+UCBATTTP	EQU	X'80' -	ATTENTION PENDING MDC229 16550000
		00040		8274+UCBWAA	EQU	X'40' -	WORK AREA APPENDED MDC230 16600000
		00020		8275+UCBUDE	EQU	X'20' -	UNSOLICITED DEVICE END RECEIVED 16650000
				8276+*			MDC231 16700000
		00010		8277+UCBITF	EQU	X'10' -	INTERCEPT CONDITION MDC232 16750000
		00008		8278+UCBIVRS	EQU	X'08' -	INTERVENTION REQUIRED MESSAGE 16800000
				8279+*			ISSUED MDC233 16850000
		00004		8280+UCBIVRR	EQU	X'04' -	INTERVENTION REQUIRED MESSAGE 16900000
				8281+*			IS NEEDED MDC234 16950000
		00002		8282+UCBTICBT	EQU	X'02' -	CHANNEL END AND/OR DEVICE END 17000000
				8283+*			OR MOUNT CONDITION PENDING. MDC235 17050000
		00001		8284+UCBDDRSW	EQU	X'01' -	DDR SWITCH PENDING ON THIS 17100000
				8285+*			DEVICE MDC236 17150000
000015				8286+UCBEXTP	DS	AL3 -	ADDRESS OF COMMON UCB EXTENSION 17200000
				8287+*			MDC237 17250000
				8288+*			17300000
		00000		8289+SRTEJBNR	EQU	UCBJBNR -	ALIAS 17350000
		00001		8290+SRTEMNT	EQU	UCBMONT -	ALIAS 17400000
		00003		8291+SRTESTAT	EQU	UCBSTAT -	ALIAS 17450000
		00080		8292+SRTEONLI	EQU	UCBONLI -	ALIAS 17500000
		00040		8293+SRTECHGS	EQU	UCBCHGS -	ALIAS 17550000
		00020		8294+SRTERESV	EQU	UCBRESV -	ALIAS 17600000
		00010		8295+SRTEUNLD	EQU	UCBUNLD -	ALIAS 17650000
		00008		8296+SRTEALOC	EQU	UCBALOC -	ALIAS 17700000
		00004		8297+SRTEPRES	EQU	UCBPRES -	ALIAS 17750000
		00002		8298+SRTESYSR	EQU	UCBSYSR -	ALIAS 17800000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
			00001	8299+SRTEADADI EQU	UCBDADI - ALIAS	17850000
			00006	8300+UCBFL2 EQU	UCBFL1 - ALIAS (UCBCHA WAS ONCE UCBFL1)	17900000
				8301+*		17950000
				8302+*****		18000000
				8303+*		18050000
				8304+*	DEVICE-DEPENDENT UCB SEGMENTS	18100000
				8305+*		18150000
			00018	8306+UCBDEV EQU	*	18200000
				8307+*		18250000
				8308+*****		18300000
				8309+*		18350000
				8310+*	DIRECT ACCESS DEVICE SEGMENT	18400000
				8311+*		18450000
000018			00018	8312+*	ORG UCBDEV - DEVICE-DEPENDENT SEGMENT	18500000
				8313+*		18550000
				8314+*	UCBVOLI, UCBSTAB AND UCBDMCT ARE SAME IN TAPE SEGMENT AS	18600000
				8315+*	IN DIRECT ACCESS SEGMENT	18650000
				8316+*		18700000
				8317+*****		18750000
				8318+*		18800000
000018				8319+UCBVTOC DS	CL4 - RELATIVE ADDRESS OF VTOC FOR THIS	18850000
				8320+*	VOLUME, IN FORM TTR0 MDC085	18900000
00001C				8321+UCBVOLI DS	CL6 - VOLUME SERIAL NUMBER	18950000
000022				8322+UCBSTAB DS	BL1 - VOLUME STATUS	19000000
			00080	8323+UCBBSVL EQU	X'80' - VOLUME DEMOUNTABLE BY DATA	19050000
				8324+*	MANAGEMENT (DIRECT ACCESS)	19100000
				8325+*	(OS/VS2) MDC008	19150000
			00080	8326+UCBDVSHR EQU	X'80' - DEVICE NOT SHARABLE AMONG SEVERAL	19200000
				8327+*	CPU'S (3420 MAGNETIC TAPE DEVICES	19250000
				8328+*	ONLY) (MDC245) XA03017	19300000
			00040	8329+UCBPGFL EQU	X'40' - UCB IS OPEN AND IS BEING USED AS A	19350000
				8330+*	PAGE FILE	19400000
			00020	8331+UCBPRSRS EQU	X'20' - DURING VOLUME ATTRIBUTE PROCESSING	19450000
				8332+*	THIS BIT IS USED BOTH TO DENOTE	19500000
				8333+*	UCB'S THAT WERE MARKED PERMANENTLY	19550000
				8334+*	RESIDENT PRIOR TO GETTING CONTROL	19600000
				8335+*	AND TO IDENTIFY DEVICES THAT WERE	19650000
				8336+*	SELECTED BY THE OPERATOR FOR	19700000
				8337+*	MOUNTING VOLUMES (DIRECT ACCESS)	19750000
				8338+*	MDC162	19800000
			00020	8339+UCBBALB EQU	X'20' - ADDITIONAL VOLUME LABEL PROCESSING	19850000
				8340+*	(TAPE)	19900000
			00010	8341+UCBBPRV EQU	X'10' - PRIVATE - VOLUME USE STATUS	19950000
			00008	8342+UCBBPUB EQU	X'08' - PUBLIC - VOLUME USE STATUS	20000000
			00004	8343+UCBBSTR EQU	X'04' - STORAGE - VOLUME USE STATUS	20050000
				8344+*	(DIRECT ACCESS)	20100000
				8345+*	THE VOLUME MOUNTED HAS AN AMERICAN	20150000
				8346+*	NATIONAL STANDARD LABEL (TAPE)	20200000
			00002	8347+UCBSHAR EQU	X'02' - VOLUME SHAREABLE AMONG JOB STEPS	20250000
				8348+*	(OS/VS2) MDC020	20300000
			00001	8349+UCBBNUL EQU	X'01' - CONTROL VOLUME - A CATALOG DATA SET	20350000
				8350+*	IS ON THIS VOLUME (DIRECT ACCESS)	20400000
				8351+*	IF THE MULTIPLE CONSOLE SUPPORT	20450000
				8352+*	OPTION IS IN THE SYSTEM, DEMOUNT OR	20500000
				8353+*	MOUNT MESSAGES HAVE BEEN ISSUED AND	20550000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				8354+*	THE MESSAGE ID'S ARE AT OFFSETS 40	20600000
				8355+*	THROUGH 45. OPEN WILL DELETE THE	20650000
				8356+*	MESSAGES AND TURN THIS BIT OFF.	20700000
				8357+*	(TAPE)	20750000
000023				8358+UCBDMCT DS XL1 -	VOLUME USE BYTE	20800000
		00080		8359+UCBMOUNT EQU X'80' -	IF 0, A MOUNT VERIFICATION HAS BEEN	20850000
				8360+*	PERFORMED. IF 1, A MOUNT REQUEST	20900000
				8361+*	HAS BEEN ISSUED. (DIRECT ACCESS)	20950000
				8362+*	FOR TAPE, THE FOLLOWING MEANINGS	21000000
				8363+*	APPLY.	21050000
				8364+*	NORMAL SCHEDULER PROCESSING - IF 0,	21100000
				8365+*	NO VOLUME HAS BEEN MOUNTED. IF 1,	21150000
				8366+*	A VOLUME HAS BEEN MOUNTED BUT NO	21200000
				8367+*	VOLUME LABEL PROCESSING HAS BEEN	21250000
				8368+*	PERFORMED.	21300000
				8369+*	SL OPEN ROUTINE - IF 0, STANDARD	21350000
				8370+*	VOLUME LABEL AND CORRECT SERIAL	21400000
				8371+*	NUMBER HAVE BEEN VERIFIED. IF 1,	21450000
				8372+*	VOLUME LABEL IS NOT STANDARD FORMAT	21500000
				8373+*	OR SERIAL NUMBER IS NOT CORRECT.	21550000
				8374+*	(A MOUNT MESSAGE HAS BEEN ISSUED.)	21600000
				8375+*	NSL OPEN ROUTINE - IF 0,	21650000
				8376+*	NON-STANDARD VOLUME LABEL HAS BEEN	21700000
				8377+*	VERIFIED. IF 1, VOLUME LABEL IS NOT	21750000
				8378+*	STANDARD FORMAT. (CONTROL PASSES TO	21800000
				8379+*	THE PROCESSING PROGRAM'S	21850000
				8380+*	NON-STANDARD LABEL PROCESSING	21900000
				8381+*	ROUTINE.) VOLUME LABEL IS STANDARD	21950000
				8382+*	FORMAT. (CONTROL REMAINS WITH THE	22000000
				8383+*	OPEN ROUTINE. A MOUNT MESSAGE HAS	22050000
				8384+*	BEEN ISSUED.)	22100000
				8385+*	BLP OPEN ROUTINE - IF 0, VOLUME	22150000
				8386+*	LABEL HAS NOT BEEN PROCESSED.	22200000
		0007F		8387+UCBDMC EQU X'7F' -	NUMBER OF DCB'S OPEN FOR THIS VOLUME	22250000
		00024		8388+UCBDATP EQU * -	END OF COMMON DIRECT ACCESS/TAPE	22300000
				8389+*	AREA	22350000
000024				8390+UCBSQC DS FL1 -	NUMBER OF RESERVE MACRO INSTRUCTIONS	22400000
				8391+*	ISSUED MDC086	22450000
000025				8392+UCBFL4 DS BL1 -	DIRECT ACCESS FLAG BYTE MDC087	22500000
		00080		8393+UCBDAVV EQU X'80' -	DIRECT ACCESS VOLUME VERIFICATION	22550000
				8394+*	IN CONTROL (DAVV) MDC127	22600000
		00040		8395+UCBWDAV EQU X'40' -	DAVV WAITING FOR MOUNT MDC128	22650000
		00020		8396+UCBRESVP EQU X'20' -	RESERVE CHANNEL PROGRAM PENDING	22700003
				8397+*	(MDC356) @ZA06072	22710003
		00010		8398+UCBDSS EQU X'10' -	READ HOME ADDRESS AND READ RECORD	22750000
				8399+*	ZERO OPERATIONS HAVE BEEN PERFORMED	22800000
				8400+*	BY DYNAMIC SUPPORT SYSTEM (DSS)	22850000
				8401+*	MDC088	22900000
		00008		8402+UCBATTN EQU X'08' -	3330V ATTENTION RECEIVED	22920016
				8403+*	(MDC357) @G24LP9A	22950016
		00004		8404+UCBHOLD EQU X'04' -	3330V CYLINDER FAULT PENDING	23000016
				8405+*	(MDC358) @G24LP9A	23010016
		00002		8406+UCBMAT EQU X'02' -	3330V ATTENTION OVERDUE	23050016
				8407+*	(MDC359) @G24LP9A	23060016
		00001		8408+UCBRRP EQU X'01' -	RESERVE/RELEASE PENDING	23100000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				8409+*	(MDC373)	@G64DP9A 23110000
000026				8410+UCBUSER DS	FL1 - NUMBER OF CURRENT USERS	MDC089 23150000
000027				8411+UCBSATI DS	FL1 - ATTENTION TABLE INDEX	@ZA41195 23200003
				8412+*	SAVED BY THE SCHEDULER.	23216603
				8413+*	(MDC395) @ZA41195	23233203
000028				8414+UCBBASE DS	A - ADDRESS OF BASE EXPOSURE UCB	MDC130 23250000
00002C				8415+UCBNEXP DS	A - BASE - ADDRESS OF LAST STARTED	23300000
				8416+*	EXPOSURE	23350000
				8417+*	NON-BASE - ADDRESS OF NEXT	23400000
				8418+*	EXPOSURE IN THE RING	23450000
				8419+*	THIS ADDRESS POINTS TO THE	23500000
				8420+*	MULTIPROCESSING PREFIX	MDC131 23550000
				8421+*		23600000
				8422+*****		23650000
				8423+*		23700000
				8424+*	MAGNETIC TAPE SEGMENT	23750000
				8425+*		23800000
000030		00018		8426+*	ORG UCBDEV - DEVICE-DEPENDENT SEGMENT	23850000
				8427+*		23900000
				8428+*	UCBVOLI, UCBSTAB AND UCBDMCT ARE SAME IN TAPE SEGMENT AS	23950000
				8429+*	IN DIRECT ACCESS SEGMENT	24000000
				8430+*		24050000
				8431+*****		24100000
				8432+*		24150000
000018				8433+UCBFSC	DS H - DATA SET SEQUENCE COUNT	MDC090 24200000
00001A				8434+UCBFSEQ	DS H - DATA SET SEQUENCE NUMBER	MDC091 24250000
00001C				8435+*	DS CL8 - UCBVOLI, UCBSTAB AND UCBDMCT AS IN	24300000
				8436+*	DIRECT ACCESS SEGMENT	24350000
000024				8437+UCBFSE	DS CL6 - BEFORE OPEN, MESSAGE ID'S. SEE	24400000
				8438+*	UCBSTAB BIT 7. AFTER OPEN, DATA	24450000
				8439+*	SET SERIAL NUMBER	MDC092 24500000
00002A				8440+UCBRES1B	DS XL1 - RESERVED	24550000
00002B				8441+UCBTFL1	DS B - FLAG BYTE (TAPE DEVICES ONLY)	MDC015 24600000
		00080		8442+UCBNLTP	EQU X'80' - TAPE VOLUME DOES NOT CONTAIN	24650000
				8443+*	LABELS	MDC016 24700000
		00040		8444+UCBNSLTP	EQU X'40' - TAPE CONTAINS NON-STANDARD	24750000
				8445+*	LABELS	MDC017 24800000
		00020		8446+UCBDQDSP	EQU X'20' - DEQUEUE TAPE VOLUME WHEN DEMOUNTED	24850003
				8447+*	(MDC369) @ZA18180	24860003
		00010		8448+UCBRV005	EQU X'10',,C'X' - RESERVED	24900000
		00008		8449+UCBRV006	EQU X'08',,C'X' - RESERVED	24950000
		00004		8450+UCBRV007	EQU X'04',,C'X' - RESERVED	25000000
		00002		8451+UCBRV008	EQU X'02',,C'X' - RESERVED	25050000
		00001		8452+UCBRV009	EQU X'01',,C'X' - RESERVED	25100000
00002C				8453+UCBXTN	DS 0A - ADDRESS OF THE MAGNETIC TAPE UCB	25150000
				8454+*	EXTENSION	MDC093 25200000
00002C				8455+UCBVOPT	DS BL1 - VOLUME STATISTICS OPTION BITS	MDC094 25250000
		00080		8456+UCBESV	EQU X'80' - ERROR STATISTICS BY VOLUME (ESV)	25300000
				8457+*	RECORDS KEPT	MDC094 25350000
		00040		8458+UCBEVA	EQU X'40' - ERROR VOLUME ANALYSIS (EVA) RECORDS	25400000
				8459+*	KEPT	MDC094 25450000
		00020		8460+UCBESVC	EQU X'20' - IF 0, ESV RECORDS SENT TO SYS1.MAN	25500000
				8461+*	(X OR Y) DATA SET.	25550000
				8462+*	IF 1, ESV RECORDS SENT TO CONSOLE.	25600000
				8463+*		MDC094 25650000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
			00010	8464+UCBERPC	EQU	X'10' -	AN ERROR RECOVERY PROCEDURE HAS 25700000
				8465+*			CONTROL MDC094 25750000
			00008	8466+UCBESVE	EQU	X'08' -	AN ESV RECORD HAS BEEN ISSUED FOR 25800000
				8467+*			THIS VOLUME BECAUSE OF AN EOVS 25850000
				8468+*			CONDITION MDC094 25900000
			00004	8469+UCBRVS20	EQU	X'04',,C'X' -	RESERVED MDC094 25950000
			00002	8470+UCBRVS21	EQU	X'02',,C'X' -	RESERVED MDC094 26000000
			00001	8471+UCBRVS22	EQU	X'01',,C'X' -	RESERVED MDC094 26050000
00002D				8472+UCBXTNB	DS	AL3 -	ADDRESS OF THE MAGNETIC TAPE UCB 26100000
				8473+*			EXTENSION MDC095 26150000
				8474+*			26200000
			0001C	8475+SRTEVOLI	EQU	UCBVOLI -	ALIAS 26250000
			00022	8476+SRTESTAB	EQU	UCBSTAB -	ALIAS 26300000
			00080	8477+SRTEBSVL	EQU	UCBBSVL -	ALIAS 26350000
			00020	8478+SRTEBALB	EQU	UCBBALB -	ALIAS 26400000
			00010	8479+SRTEBPRV	EQU	UCBBPRV -	ALIAS 26450000
			00008	8480+SRTEBPUB	EQU	UCBBPUB -	ALIAS 26500000
			00004	8481+SRTEBSTR	EQU	UCBBSTR -	ALIAS 26550000
			00004	8482+SRTEASCI	EQU	UCBBSTR -	ALIAS 26600000
			00004	8483+UCBASCI	EQU	SRTEASCI -	ALIAS 26650000
			00004	8484+SRTEBVQS	EQU	SRTEBSTR -	ALIAS 26700000
			00001	8485+SRTEBNUL	EQU	UCBBNUL -	ALIAS 26750000
			00023	8486+SRTEDMCT	EQU	UCBDMCT -	ALIAS 26800000
			00018	8487+SRTEFSCT	EQU	UCBFSCT -	ALIAS 26850000
			0001A	8488+SRTEFSEQ	EQU	UCBFSEQ -	ALIAS 26900000
			00026	8489+SRTEUSER	EQU	UCBUSER -	ALIAS 26950000
				8490+*			27000000
				8491+*****			27050000
				8492+*			27100000
				8493+*		UNIT RECORD WITH	27150000
				8494+*		UNIVERSAL CHARACTER SET (1403, 3211)	27200000
				8495+*		OR OPTICAL CHARACTER READER (3886)	27250000
				8496+*		OR 3540 DEVICE	@Z300P9A 27270003
				8497+*		OR 3800 DEVICE	@Z40MP9A 27280004
				8498+*		UCB SEGMENT	27300000
				8499+*			27350000
000030			00018	8500+	ORG	UCBDEV -	DEVICE-DEPENDENT SEGMENT 27400000
				8501+*			27450000
				8502+*****			27500000
				8503+*			27550000
000018				8504+UCBXTADR	DS	A -	ADDRESS OF UCS UCB EXTENSION (1403 27600000
				8505+*			OR 3211) OR ADDRESS OF OPTICAL 27650000
				8506+*			CHARACTER READER UCB EXTENSION 27700000
				8507+*			(3886) OR ADDRESS OF 3540 DEVICE 27750003
				8508+*			UCB EXTENSION (3540) OR ADDRESS OF 27760004
				8509+*			3800 UCB EXTENSION (3800) (MDC304) 27763004
				8510+*			@Z40MP9A 27770004
				8511+*			27800000
				8512+*****			27850000
				8513+*			27900000
				8514+*		GRAPHICS EXCEPT 3270	27950000
				8515+*		UCB SEGMENT	28000000
				8516+*			28050000
00001C			00018	8517+	ORG	UCBDEV -	DEVICE-DEPENDENT SEGMENT 28100000
				8518+*			28150000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				8519+*****		28200000
				8520+*		28250000
000018				8521+UCBSTART DS	H - LAST START ADDRESS (MDC247) YM4067	28300000
00001A				8522+UCBOPEN DS	FL1 - NUMBER OF DCB'S THAT ARE CURRENTLY	28350000
				8523+*	OPEN FOR THIS DEVICE	28400000
00001B				8524+UCBGCB DS	C - GRAPHIC CONTROL BYTE USED FOR	28450000
				8525+*	ATTENTION HANDLING	28500000
00001C				8526+UCBTEB DS	A - ADDRESS OF TASK ENTRY (TE) BLOCK	28550000
000020				8527+UCBSNS DS	XL4 - SENSE INFORMATION (MDC248) YM4067	28600000
000024				8528+UCBBTA DS	0A - ADDRESS OF BUFFER TABLE	28650000
000024				8529+UCBDI DS	FL1 - DEVICE OR DEVICES ON A CONTROL UNIT	28700000
				8530+*	TO WHICH BUFFER SECTIONS ARE	28750000
				8531+*	ASSIGNED	28800000
000025				8532+UCBBTB DS	AL3 - ADDRESS OF BUFFER TABLE	28850000
				8533+*		28900000
				8534+*****		28950000
				8535+*		29000000
				8536+*	3270 GRAPHICS	29050000
				8537+*	UCB SEGMENT	29100000
				8538+*		29150000
000028		00018		8539+ ORG	UCBDEV - DEVICE-DEPENDENT SEGMENT ICB480	29200000
				8540+*		29250000
				8541+*****		29300000
				8542+*		29350000
000018				8543+UCBAOF DS	0BL2 - ADDITIONAL OPTIONAL FEATURES. AN	29400000
				8544+*	EXTENSION OF THE OPTIONAL FEATURES	29450000
				8545+*	BYTE OF THE UCBTYP FIELD. ICB480	29500000
000018				8546+UCBAOF1 DS	B - FIRST BYTE OF UCBAOF ICB480	29550000
		00080		8547+UCBOFMCR EQU	X'80' - MAGNETIC CARD READER ADAPTER -	29600000
				8548+*	FOR 3277 ONLY ICB480	29650000
		00040		8549+UCBOFSP EQU	X'40' - SELECTOR PEN - FOR 3277 ONLY ICB480	29700000
		00020		8550+UCBOFNL EQU	X'20' - NUMERIC LOCK - FOR 3277 ONLY ICB480	29750000
		00010		8551+UCBOFPTR EQU	X'10' - PREPARE TO READ FEATURE	29800003
				8552+*	(MDC388) @ZA41164	29825003
		00008		8553+UCBRVS65 EQU	X'08' , , C'X' - RESERVED ICB480	29850000
		00004		8554+UCBRVS66 EQU	X'04' , , C'X' - RESERVED ICB480	29900000
		00002		8555+UCBRVS67 EQU	X'02' , , C'X' - RESERVED ICB480	29950000
		00001		8556+UCBRVS68 EQU	X'01' , , C'X' - RESERVED ICB480	30000000
000019				8557+UCBAOF2 DS	B - SECOND BYTE OF UCBAOF ICB480	30050000
		00080		8558+UCBRVS69 EQU	X'80' , , C'X' - RESERVED ICB480	30100000
		00040		8559+UCBRVS70 EQU	X'40' , , C'X' - RESERVED ICB480	30150000
		00020		8560+UCBRVS71 EQU	X'20' , , C'X' - RESERVED ICB480	30200000
		00010		8561+UCBRVS72 EQU	X'10' , , C'X' - RESERVED ICB480	30250000
		00008		8562+UCBRVS73 EQU	X'08' , , C'X' - RESERVED ICB480	30300000
		00004		8563+UCBRVS74 EQU	X'04' , , C'X' - RESERVED ICB480	30350000
		00002		8564+UCBRVS75 EQU	X'02' , , C'X' - RESERVED ICB480	30400000
		00001		8565+UCBRVS76 EQU	X'01' , , C'X' - RESERVED ICB480	30450000
00001A				8566+UCBATNCT DS	FL1 - ATTENTION COUNT. THE NUMBER OF	30500000
				8567+*	ATTENTIONS NOT SERVICED IN THE LINE	30550000
				8568+*	GROUP. PRESENT ONLY IF THE DEVICE	30600000
				8569+*	INDEX FIELD IS 1. OTHERWISE, THIS	30650000
				8570+*	FIELD IS RESERVED. ICB480	30700000
00001B				8571+ DS	B - UCBGCB - CONTROL BYTE. USED FOR	30750000
				8572+*	ATTENTION HANDLING FLAGS ICB480	30800000
		00080		8573+UCBOLTEP EQU	X'80' - OLTEP IN CONTROL OF THE DEVICE	30850000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				8574+*		ICB480 30900000
		00040		8575+UCBRSV77 EQU	X'40' , , C'X' - RESERVED	ICB480 30950000
		00020		8576+UCBRSV78 EQU	X'20' , , C'X' - RESERVED	ICB480 31000000
		00010		8577+UCBRSV79 EQU	X'10' , , C'X' - RESERVED	ICB480 31050000
		00008		8578+UCBRTIAC EQU	X'08' - READ TI ACTIVE	MDC171 31100000
		00004		8579+UCBRIPND EQU	X'04' - READ INITIAL PENDING	ICB480 31150000
		00002		8580+UCBSKPGF EQU	X'02' - SKIP FLAG	ICB480 31200000
		00001		8581+UCBATRCDEQU	X'01' - ATTENTION RECEIVED FROM THE	31250000
				8582+*	DEVICE	ICB480 31300000
00001C				8583+UCBIRB DS	0A - ADDRESS OF THE IRB USED FOR	31350000
				8584+*	SCHEDULING THE SECOND LEVEL	31400000
				8585+*	ATTENTION ROUTINE	ICB480 31450000
00001C				8586+UCBGRAF DS	B - GRAPHICS STATUS FLAGS (BTAM)	MDC172 31500000
		00080		8587+UCBOIP EQU	X'80' - OPEN IS IN PROGRESS	MDC173 31550000
		00040		8588+UCBDRO EQU	X'40' - DEVICE READY IN OPEN	MDC174 31600000
		00020		8589+UCBDRNO EQU	X'20' - DEVICE READY - NOT IN OPEN	MDC175 31650000
		00010		8590+UCBBTAM EQU	X'10' - USE BTAM - IGG019UP	MDC176 31700000
		00008		8591+UCBUPM EQU	X'08' - USE PROVIDED MODULE	MDC177 31750000
		00004		8592+UCBRPND EQU	X'04' - READY PROCESSING NOT DONE	MDC178 31800000
		00002		8593+UCBDWNR EQU	X'02' - DEVICE WENT NOT READY	MDC179 31850000
		00001		8594+UCBRV039 EQU	X'01' - RESERVED - BTAM	MDC180 31900000
00001D				8595+UCBIRBA DS	AL3 - ADDRESS OF THE IRB USED FOR	31950000
				8596+*	SCHEDULING THE SECOND LEVEL	32000000
				8597+*	ATTENTION ROUTINE	MDC181 32050000
000020				8598+UCBLDNCA DS	0A - ADDRESS OF 3270 WORK AREA	32100000
				8599+*	ESTABLISHED BY VTAM	MDC132 32150000
000020				8600+UCBRDYQ DS	0A - ASYNCHRONOUS READY NOTIFICATION IRB	32200000
				8601+*	ADDRESS (BTAM)	MDC182 32250000
000020				8602+UCBINRLN DS	0FL1 - SAME AS UCBIRLN	MDC183 32300000
000020				8603+UCBIRLN DS	FL1 - INITIALIZED RLN. THE RELATIVE LINE	32350000
				8604+*	NUMBER (RLN) OF THE IOB INITIALIZED	32400000
				8605+*	FOR A READ INITIAL. IF 0, NO READ	32450000
				8606+*	INITIAL IS OUTSTANDING. PRESENT	32500000
				8607+*	ONLY IF THE DEVICE INDEX FIELD IS 1.	32550000
				8608+*	OTHERWISE, THIS FIELD IS RESERVED.	32600000
				8609+*		ICB480 32650000
000021				8610+UCBLDNCA DS	0AL3 - ADDRESS OF 3270 WORK AREA	32700000
				8611+*	ESTABLISHED BY VTAM	MDC133 32750000
000021				8612+UCBRDYQA DS	AL3 - ASYNCHRONOUS READY NOTIFICATION IRB	32800000
				8613+*	ADDRESS (BTAM)	MDC184 32850000
000024				8614+UCBCTLNK DS	0A - SAME AS UCBCTLNA BELOW	ICB480 32900000
000024				8615+UCBRLN DS	FL1 - DEVICE INDEX. INDEX TO THE DEB UCB	32950000
				8616+*	ADDRESS FIELD FOR THIS DEVICE.	33000000
				8617+*	THIS VALUE IS ALSO THE RELATIVE	33050000
				8618+*	LINE NUMBER.	ICB480 33100000
000025				8619+UCBCTLNA DS	AL3 - CONTROL BLOCK LINK. IF THE DEVICE	33150000
				8620+*	INDEX FIELD IS 1, THIS FIELD	33200000
				8621+*	CONTAINS THE ADDRESS OF THE DEB FOR	33250000
				8622+*	THE LINE GROUP. IF THE DEVICE INDEX	33300000
				8623+*	FIELD IS BETWEEN 2 AND 255	33350000
				8624+*	INCLUSIVE, THIS FIELD CONTAINS THE	33400000
				8625+*	ADDRESS OF THE UCB WITH A DEVICE	33450000
				8626+*	INDEX OF 1.	ICB480 33500000
				8627+*		33550000
				8628+*****		33600000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				8629+*		33650000
				8630+*	3704, 3705 TELEPROCESSING DEVICE	33700000
				8631+*	UCB SEGMENT	33750000
				8632+*		33800000
000028		00018		8633+	ORG UCBDEV - DEVICE-DEPENDENT SEGMENT	33850000
				8634+*		33900000
				8635+*****		33950000
				8636+*		34000000
000018				8637+UCBRV040 DS A -	RESERVED FOR USE AS TELEPROCESSING	34050000
				8638+*	EXTENSION POINTER MDC185	34100000
00001C				8639+UCBICNCB DS A -	POINTER TO VTAM'S ICNCB MDC186	34150000
				8640+*		34200000
				8641+*****		34250000
				8642+*		34300000
				8643+*	CHANNEL-TO-CHANNEL (CTC) DEVICE	34350000
				8644+*	UCB SEGMENT	34400000
				8645+*		34450000
000020		00018		8646+	ORG UCBDEV - DEVICE-DEPENDENT SEGMENT	34500000
				8647+*		34550000
				8648+*****		34600000
				8649+*		34650000
000018				8650+UCBCTCAD DS 0A -	ADDRESS OF AN SRB/IOSB TO BE USED	34700004
				8651+*	FOR SENSE COMMAND BYTE BY IECTCATN	34750000
				8652+*	IF UCBCTC80 BIT IS SET TO ZERO	34800004
				8653+*	(MDC343) @Z40JP9A	34807004
000018				8654+UCBCTCAL DS A -	ADDRESS OF JES3 ROUTINE FOR	34814004
				8655+*	SWITCHING TO ALTERNATE PATH CTC IF	34821004
				8656+*	UCBCTC80 BIT IS SET TO ONE	34828004
				8657+*	(MDC344) @Z40JP9A	34835004
00001C				8658+UCBCTCF1 DS B -	CHANNEL-TO-CHANNEL (CTC) DEVICE FLAG	34850000
				8659+*	BYTE MDC241	34900000
		00080		8660+UCBCTC80 EQU X'80' -	IF THIS BIT IS ON, ABOVE WORD HAS	34904004
				8661+*	UCBCTCAL MEANING. IF THIS BIT IS	34908004
				8662+*	OFF, ABOVE WORD HAS UCBCTCAD	34912004
				8663+*	MEANING. (MDC345) @Z40JP9A	34916004
		00040		8664+UCBRV076 EQU X'40',,C'X' -	RESERVED @Z40JP9A	34920004
		00020		8665+UCBRV077 EQU X'20',,C'X' -	RESERVED @Z40JP9A	34924004
		00010		8666+UCBRV078 EQU X'10',,C'X' -	RESERVED @Z40JP9A	34928004
		00008		8667+UCBRV079 EQU X'08',,C'X' -	RESERVED @Z40JP9A	34932004
		00004		8668+UCBRV080 EQU X'04',,C'X' -	RESERVED @Z40JP9A	34936004
		00002		8669+UCBRV081 EQU X'02',,C'X' -	RESERVED @Z40JP9A	34940004
		00001		8670+UCBRV082 EQU X'01',,C'X' -	RESERVED @Z40JP9A	34944004
00001D				8671+UCBRV042 DS XL3 -	RESERVED MDC242	34950000
				8672+*		34953003
				8673+*****		34956003
				8674+*		34959003
				8675+*	3851 OR 3838 DEVICE (MDC362) @G29AN9A	34960016
				8676+*	UCB SEGMENT	34965003
				8677+*		34968003
000020		00018		8678+	ORG UCBDEV - DEVICE-DEPENDENT SEGMENT	34971003
				8679+*		34974003
				8680+*****		34977003
				8681+*		34980003
000018				8682+UCB IOSBA DS A -	ADDRESS OF IOSB. SET BY IOS FOR	34983003
				8683+*	ERROR CONDITIONS. (MDC330) @Z30LP9A	34986003

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
00001C				8684+UCBRV066 DS 0A -	RESERVED (MDC331)	@ZA56736 34990603
00001C				8685+UCBAPUB DS A -	3838 VPSS APUB ADDRESS	@ZA56736 34995203
				8686+*		35000000
				8687+*****		35050000
				8688+*		35100000
				8689+* UNIT CONTROL BLOCK EXTENSIONS		35150000
				8690+*		35200000
				8691+*****		35250000
				8692+*		35300000
				8693+* COMMON UCB EXTENSION		35350000
				8694+*		35400000
				8695+* THIS EXTENSION IS POINTED TO BY THE UCBEXTPT FIELD IN THE		35450000
				8696+* COMMON SEGMENT AND IS NOT CONTIGUOUS TO THE UCB.		35500000
				8697+*		35550000
000000				8698+UCBCMEXT DSECT , -		MDC225 35600000
				8699+*		35650000
				8700+*****		35700000
				8701+*		35750000
000000				8702+UCBETI DS FL1 -	A BINARY NUMBER USED BY THE EXIT	35800000
				8703+*	EFFECTOR ROUTINE TO COMPLETE THE	35850000
				8704+*	8-BYTE NAME OF AN IBM-SUPPLIED	35900000
				8705+*	ERROR ROUTINE FOR THIS DEVICE MDC209	35950000
000001				8706+UCBSTI DS FL1 -	INCREMENT WHICH, WHEN MULTIPLIED BY	36000000
				8707+*	10, BECOMES AN INDEX TO THE	36050000
				8708+*	STATISTICS TABLE (STATAB) MDC210	36100000
000002				8709+UCBDTI DS FL1 -	INDEX TO THE DEVICE TABLE MDC211	36150000
000003				8710+UCBATI DS FL1 -	INDEX TO THE ATTENTION TABLE (ANTAB)	36200000
				8711+*	OR OPTIONAL JOB ENTRY SUBSYSTEM	36250000
				8712+*	(JES) FLAG BYTE MDC212	36300000
	00080			8713+UCBRV04 EQU X'80' , , C'X' -	RESERVED	36350000
	00040			8714+UCBRV05 EQU X'40' , , C'X' -	RESERVED	36400000
	00020			8715+UCBRV06 EQU X'20' , , C'X' -	RESERVED	36450000
	00010			8716+UCBRV07 EQU X'10' , , C'X' -	RESERVED	36500000
	00008			8717+UCBRV08 EQU X'08' , , C'X' -	RESERVED	36550000
	00004			8718+UCBRV09 EQU X'04' , , C'X' -	RESERVED	36600000
	00002			8719+UCBHALI EQU X'02' -	OPTIONAL JOB ENTRY SUBSYSTEM (JES)	36650000
				8720+*	ALLOCATION INDICATOR MDC213	36700000
	00001			8721+UCBHPDV EQU X'01' -	OPTIONAL JOB ENTRY SUBSYSTEM (JES)	36750000
				8722+*	PSEUDO-DEVICE MDC214	36800000
000004				8723+UCBSNSCT DS FL1 -	COUNT OF SENSE BYTES PRESENTED	36850000
				8724+*	BY THIS DEVICE MDC215	36900000
000005				8725+UCBFLP1 DS B -	FLAG BYTE MDC216	36950000
	00080			8726+UCBNSRCH EQU X'80' -	THE CURRENTLY ALLOCATED VOLUME WAS	37000000
				8727+*	SPECIFICALLY REQUESTED BY VOLUME	37050000
				8728+*	SERIAL NUMBER. IT IS NOT AVAILABLE	37100000
				8729+*	FOR ASSIGNMENT BY OPEN/EOV FOR A	37150000
				8730+*	NON-SPECIFIC VOLUME REQUEST. MDC217	37200000
	00040			8731+UCBSHRUP EQU X'40' -	SHAREABLE WHEN IN UNIPROCESSOR MODE	37250003
				8732+*	(MDC333) @ZA00805	37260003
	00020			8733+UCBNSWAP EQU X'20' -	IF THIS BIT IS ON AND UCBPRES BIT IS	37300003
				8734+*	ON, THIS FIXED HEAD DEVICE CANNOT BE	37310003
				8735+*	SWAPPED (MDC364) @ZA16810	37320003
	00010			8736+UCBINHIO EQU X'10' -	INHIBIT HIO FROM SVC 33	37350003
				8737+*	(MDC365) @ZA16811	37360003
	00008			8738+UCBSWAPF EQU X'08' -	WITH BIT SET, THE DEVICE IS ABLE TO	37400003

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				8739+*	BE SWAPPED (MDC370)	@ZA31339 37410003
		00004		8740+UCBERLOG EQU X'04' -	INDICATES PRESENCE OF AN ERROR LOG	37420003
				8741+*	IN A DEVICE (MDC328)	@Z40MP9A 37430003
		00002		8742+UCBRV035 EQU X'02',,C'X' -	RESERVED	MDC163 37440003
		00001		8743+UCBRV036 EQU X'01',,C'X' -	RESERVED	MDC163 37490003
000006				8744+UCBRV041 DS CL2 -	RESERVED	MDC226 37600000
000008				8745+UCBCCWOF DS H -	OFFSET TO CCW PREFIX	MDC218 37650000
00000A				8746+UCBPMSK DS BL2 -	PATH MASK FOR MESSAGES ISSUED	MDC219 37700000
00000C				8747+UCBMFCNT DS H -	MEASUREMENT FACILITIES TOTAL DEVICE	37750000
				8748+*	SIO COUNT. DURING NIP UCB	37800000
				8749+*	INITIALIZATION, USED FOR PREVIOUSLY	37850000
				8750+*	TESTED INDICATOR.	MDC220 37900000
00000E				8751+UCBASID DS H -	ASID OF THE MEMORY TO WHICH THIS	37950000
				8752+*	DEVICE IS ALLOCATED EXCEPT FOR	38000004
				8753+*	UNALLOCATED TAPE. FOR UNALLOCATED	38008004
				8754+*	TAPE, ASID OF THE LAST MEMORY TO	38016004
				8755+*	WHICH THIS DEVICE WAS ALLOCATED.	38024004
000010				8756+*	(MDC348)	@ZA05164 38032004
				8757+UCBMIHTI DS B -	MISSING INTERRUPT HANDLER BYTE	38050041
				8758+*	(MDC354)	@ZA31340 38050441
		00080		8759+UCBMIHSF EQU X'80' -	MISSING INTERRUPT HANDLER UCB SCAN	38051441
				8760+*	FLAG (MDC376)	@ZA31340 38052141
		00040		8761+UCBMIHPB EQU X'40' -	WITH BIT SET, MISSING INTERRUPT	38052841
				8762+*	HANDLER CHECKING OF DEVICE IS	38053541
				8763+*	PERMANENTLY BYPASSED	38054241
				8764+*	(MDC375)	@ZA31340 38054941
		00020		8765+UCBMIHT1 EQU X'20' -	WITH BIT SET, MISSING INTERRUPT	38055641
				8766+*	HANDLER CHECKING OF DEVICE IS	38056341
				8767+*	TEMPORARILY BYPASSED	38057041
				8768+*	(MDC374)	@ZA31340 38057741
		00010		8769+UCBMIHT2 EQU X'10' -	WITH BIT SET, MISSING INTERRUPT	38058441
				8770+*	HANDLER CHECKING OF DEVICE IS	38059141
				8771+*	TEMPORARILY BYPASSED	38059841
				8772+*	(MDC378)	@ZA31340 38060541
		00008		8773+UCBRV084 EQU X'08' -	RESERVED (MDC377)	@G64DP9A 38061200
		00004		8774+UCBRV085 EQU X'04' -	RESERVED (MDC377)	@G64DP9A 38071200
		00002		8775+UCBRV086 EQU X'02' -	RESERVED (MDC377)	@G64DP9A 38081200
		00001		8776+UCBRV087 EQU X'01' -	RESERVED (MDC377)	@G64DP9A 38091200
000011				8777+UCBWTOID DS CL3 -	WTO MESSAGE IDENTIFIER (MDC250)	38101200
				8778+*	YM6828	38111200
000014				8779+UCBDDT DS A -	ADDRESS OF DEVICE-DEPENDENT TABLE	38121200
				8780+*	ASSOCIATED WITH UCB	38131200
				8781+*	(MDC371)	@G64DP9A 38141200
				8782+*		38200000
				8783+*****		38250000
				8784+*		38300000
				8785+*	MAGNETIC TAPE	38350000
				8786+*	UCB EXTENSION	38400000
				8787+*		38450000
				8788+*	THIS EXTENSION IS POINTED TO BY THE UCBXTN FIELD OF THE	38500000
				8789+*	UCB AND IS NOT CONTIGUOUS TO THE UCB.	38550000
				8790+*		38600000
000000				8791+UCBMT DSECT , -	UCBXTN -> UCBMT	38650000
				8792+*		38700000
				8793+*****		38750000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				8794+*		38800000
000000				8795+UCBCTD DS H -	SERIAL NUMBER IN BINARY OF TAPE	38850000
				8796+*	DRIVE UPON WHICH THE VOLUME WAS	38900000
				8797+*	CREATED MDC097	38950000
000002				8798+UCBTRT DS FL1 -	TEMPORARY READ ERROR THRESHOLD (IF	39000000
				8799+*	0, EVA IS NOT IN EFFECT). A BINARY	39050000
				8800+*	NUMBER FROM 1 THROUGH 255 AS	39100000
				8801+*	SELECTED AT SYSGEN TIME ON THE	39150000
				8802+*	SCHEDULR MACRO BY EVA=(N1,N2) WHERE	39200000
				8803+*	N1 = TEMPORARY READ ERROR THRESHOLD.	39250000
				8804+*	MDC097	39300000
000003				8805+UCBTWT DS FL1 -	TEMPORARY WRITE ERROR THRESHOLD (IF	39350000
				8806+*	0, EVA IS NOT IN EFFECT). A BINARY	39400000
				8807+*	NUMBER FROM 1 THROUGH 255 AS	39450000
				8808+*	SELECTED AT SYSGEN TIME ON THE	39500000
				8809+*	SCHEDULR MACRO BY EVA=(N1,N2) WHERE	39550000
				8810+*	N2 = TEMPORARY WRITE ERROR	39600000
				8811+*	THRESHOLD. MDC097	39650000
000004				8812+UCBTR DS FL1 -	THE NUMBER (BINARY) OF TEMPORARY	39700000
				8813+*	READ ERRORS THAT HAVE OCCURRED	39750000
				8814+*	MDC097	39800000
000005				8815+UCBTW DS FL1 -	THE NUMBER (BINARY) OF TEMPORARY	39850000
				8816+*	WRITE ERRORS THAT HAVE OCCURRED	39900000
				8817+*	MDC097	39950000
000006				8818+UCBSIO DS H -	THE NUMBER (BINARY) OF START I/O	40000000
				8819+*	OPERATIONS THAT HAVE OCCURRED MDC097	40050000
000008				8820+UCBPR DS FL1 -	THE NUMBER (BINARY) OF PERMANENT	40100000
				8821+*	READ ERRORS THAT HAVE OCCURRED	40150000
				8822+*	MDC097	40200000
000009				8823+UCBPW DS FL1 -	THE NUMBER (BINARY) OF PERMANENT	40250000
				8824+*	WRITE ERRORS THAT HAVE OCCURRED	40300000
				8825+*	MDC097	40350000
00000A				8826+UCBNB DS FL1 -	THE NUMBER (BINARY) OF NOISE BLOCKS	40400000
				8827+*	THAT HAVE BEEN ENCOUNTERED MDC097	40450000
00000B				8828+UCBMS DS CL1 -	MODE SET OPERATION CODE FOR DATA	40500000
				8829+*	BLOCKS ON A 3420 MAGNETIC TAPE UNIT	40550000
				8830+*	MDC097	40600000
00000C				8831+UCBERG DS H -	THE NUMBER (BINARY) OF ERASE GAPS	40650000
				8832+*	THAT HAVE BEEN ENCOUNTERED MDC097	40700000
00000E				8833+UCBCLN DS H -	THE NUMBER (BINARY) OF CLEANER	40750000
				8834+*	ACTIONS THAT HAVE OCCURRED MDC097	40800000
				8835+*		40850000
				8836+*****		40900000
				8837+*		40950000
				8838+*	OPTICAL CHARACTER READER (3886)	41000000
				8839+*	UCB EXTENSION	41050000
				8840+*		41100000
				8841+*	THIS EXTENSION IS POINTED TO BY THE UCBXTADR FIELD OF THE	41150000
				8842+*	UCB AND IS NOT CONTIGUOUS TO THE UCB.	41200000
				8843+*		41250000
000000				8844+UCBOCR DSECT , -	UCBXTADR -> UCBOCR MDC024	41300000
				8845+*		41350000
				8846+*****		41400000
				8847+*		41450000
000000				8848+UCBFRID DS CL4 -	CURRENT FORMAT RECORD ID (FRID)	41500000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
000004				8849+*	LOADED	MDC025 41550000
				8850+UCBRDATA DS XL4 -	COMMAND DATA	MDC026 41600000
				8851+*		41601003
				8852+*****		41602003
				8853+*		41603003
				8854+*	3540 DEVICE	@Z300P9A 41604003
				8855+*	UCB EXTENSION	@Z300P9A 41605003
				8856+*		41606003
				8857+*	THIS EXTENSION IS POINTED TO BY THE UCBXTADR FIELD OF THE	41607003
				8858+*	UCB AND IS NOT CONTIGUOUS TO THE UCB.	@Z300P9A 41608003
				8859+*		41609003
000000				8860+UCB3540X DSECT , -	UCBXTADR -> UCB3540X	41610003
				8861+*	(MDC325)	@Z300P9A 41611003
				8862+*		41612003
				8863+*****		41613003
				8864+*		41614003
000000				8865+UCBVLSE DS CL6 -	3540 VOLID (MDC326)	@Z300P9A 41615003
000006				8866+UCBDKBYT DS B -	FLAG BYTE (MDC334)	@Z300P9A 41616003
		00080		8867+UCBDKAMX EQU X'80' -	IBM-SUPPLIED DISKETTE READER,	41617003
				8868+*	DISKETTE WRITER OR COPY/RESTORE	41618003
				8869+*	UTILITIES ARE USING THIS 3540	41619003
				8870+*	DEVICE (MDC335)	@Z300P9A 41620003
		00040		8871+UCBVLVER EQU X'40' -	VOLUME VERIFICATION IS REQUIRED FOR	41621003
				8872+*	CERTAIN INTERVENTION REQUIRED	41622003
				8873+*	CONDITIONS WHILE 3540 DISKETTE	41623003
				8874+*	UTILITIES ARE USING THE DEVICE	41624003
				8875+*	(MDC336)	@Z300P9A 41625003
		00020		8876+UCBRV067 EQU X'20',,C'X' -	RESERVED	@Z300P9A 41626003
		00010		8877+UCBRV068 EQU X'10',,C'X' -	RESERVED	@Z300P9A 41627003
		00008		8878+UCBRV069 EQU X'08',,C'X' -	RESERVED	@Z300P9A 41628003
		00004		8879+UCBRV070 EQU X'04',,C'X' -	RESERVED	@Z300P9A 41629003
		00002		8880+UCBRV071 EQU X'02',,C'X' -	RESERVED	@Z300P9A 41630003
		00001		8881+UCBRV072 EQU X'01',,C'X' -	RESERVED	@Z300P9A 41631003
000007				8882+UCBRV073 DS C -	RESERVED	@Z300P9A 41632003
				8883+*		41650000
				8884+*****		41650804
				8885+*		41651604
				8886+*	3800 DEVICE	@Z40MP9A 41652404
				8887+*	UCB EXTENSION	@Z40MP9A 41653204
				8888+*		41654004
				8889+*	THIS EXTENSION IS POINTED TO BY THE UCBXTADR FIELD OF THE	41654804
				8890+*	UCB AND IS NOT CONTIGUOUS TO THE UCB.	@Z40MP9A 41655604
				8891+*		41656404
000000				8892+UCB3800X DSECT , -	UCBXTADR -> UCB3800X (MDC305)	41657204
				8893+*		@Z40MP9A 41658004
				8894+*		41658804
				8895+*****		41659604
				8896+*		41660404
000000				8897+UCBOPTNS DS B -	OPTIONAL FEATURES INSTALLED ON	41661204
				8898+*	PRINTER (MDC306)	@Z40MP9A 41662004
		00080		8899+UCBRV051 EQU X'80',,C'X' -	RESERVED	@Z40MP9A 41662804
		00040		8900+UCBRV052 EQU X'40',,C'X' -	RESERVED	@Z40MP9A 41663604
		00020		8901+UCBRV053 EQU X'20',,C'X' -	RESERVED	@Z40MP9A 41664404
		00010		8902+UCBRV054 EQU X'10',,C'X' -	RESERVED	@Z40MP9A 41665204
		00008		8903+UCBRV055 EQU X'08',,C'X' -	RESERVED	@Z40MP9A 41666004

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
000001			00004	8904+UCBRV056	EQU	X'04' , , C'X' -	RESERVED @Z40MP9A 41666804
			00002	8905+UCBBRSTR	EQU	X'02' -	RESERVED (MDC307) @Z40MP9A 41667604
			00001	8906+UCBRV083	EQU	X'01' , , C'X' -	RESERVED (MDC308) @Z40MP9A 41668404
				8907+UCBCGMNO	DS	FL1 -	NUMBER OF WRITEABLE CHARACTER 41669204
000002				8908+*			GENERATION MODULES (MDC309) @Z40MP9A 41670004
				8909+UCBGRAFS	DS	B -	GRAPHIC CHARACTER FLAG BYTE 41670803
				8910+*			(MDC387) @ZA42324 41670903
		00080		8911+UCBRV046	EQU	X'80' , , C'X' -	RESERVED (MDC387) @ZA42324 41671003
		00040		8912+UCBRV047	EQU	X'40' , , C'X' -	RESERVED (MDC387) @ZA42324 41671103
		00020		8913+UCBRV048	EQU	X'20' , , C'X' -	RESERVED (MDC387) @ZA42324 41671203
		00010		8914+UCBRV049	EQU	X'10' , , C'X' -	RESERVED (MDC387) @ZA42324 41671303
		00008		8915+UCBGRAF0	EQU	X'08' -	WCGM 0 HAS BEEN MODIFIED BY A 41671403
				8916+*			GRAPHIC CHARACTER MODIFICATION 41671503
				8917+*			(MDC387) @ZA42324 41671603
		00004		8918+UCBGRAF1	EQU	X'04' -	WCGM 1 HAS BEEN MODIFIED BY A 41671703
				8919+*			GRAPHIC CHARACTER MODIFICATION 41671803
				8920+*			(MDC387) @ZA42324 41671903
		00002		8921+UCBGRAF2	EQU	X'02' -	WCGM 2 HAS BEEN MODIFIED BY A 41672003
				8922+*			GRAPHIC CHARACTER MODIFICATION 41672103
				8923+*			(MDC387) @ZA42324 41672203
		00001		8924+UCBGRAF3	EQU	X'01' -	WCGM 3 HAS BEEN MODIFIED BY A 41672303
				8925+*			GRAPHIC CHARACTER MODIFICATION 41672403
				8926+*			(MDC387) @ZA42324 41672503
000003				8927+UCBACTIV	DS	B -	ACTIVE FEATURES (MDC311) @Z40MP9A 41672603
		00080		8928+UCBRV057	EQU	X'80' , , C'X' -	RESERVED @Z40MP9A 41672703
		00040		8929+UCBRV058	EQU	X'40' , , C'X' -	RESERVED @Z40MP9A 41673204
		00020		8930+UCBRV059	EQU	X'20' , , C'X' -	RESERVED @Z40MP9A 41674004
		00010		8931+UCBRV060	EQU	X'10' , , C'X' -	RESERVED @Z40MP9A 41674804
		00008		8932+UCBRV061	EQU	X'08' , , C'X' -	RESERVED @Z40MP9A 41675604
		00004		8933+UCBRV062	EQU	X'04' , , C'X' -	RESERVED @Z40MP9A 41676404
		00002		8934+UCBRV063	EQU	X'02' , , C'X' -	RESERVED @Z40MP9A 41677204
000004		00001		8935+UCBBRSTA	EQU	X'01' -	RESERVED (MDC312) @Z40MP9A 41678004
				8936+UCBCGMID	DS	CL4 -	FOUR ONE-BYTE ID'S FOR CHARACTER 41678804
				8937+*			MODULES LOADED IN WRITEABLE 41679604
				8938+*			CHARACTER GENERATION MODULES 41680404
000008				8939+*			(WCGM'S) (MDC313) @Z40MP9A 41681204
				8940+UCBCHAR1	DS	CL4 -	NAME OF FIRST TRANSLATE TABLE 41682004
00000C				8941+*			(MDC314) @Z40MP9A 41682804
				8942+UCBCHAR2	DS	CL4 -	NAME OF SECOND TRANSLATE TABLE 41683604
000010				8943+*			(MDC315) @Z40MP9A 41684404
				8944+UCBCHAR3	DS	CL4 -	NAME OF THIRD TRANSLATE TABLE 41685204
000014				8945+*			(MDC316) @Z40MP9A 41686004
				8946+UCBCHAR4	DS	CL4 -	NAME OF FOURTH TRANSLATE TABLE 41686804
000018				8947+*			(MDC317) @Z40MP9A 41687604
				8948+UCBFCBNM	DS	CL4 -	FORMS CONTROL BUFFER (FCB) IMAGE 41688404
00001C				8949+*			NAME (MDC318) @Z40MP9A 41689204
				8950+UCBIMAGE	DS	CL4 -	FORMS OVERLAY IMAGE IDENTIFICATION 41690004
000020				8951+*			(MDC319) @Z40MP9A 41690804
				8952+UCBLDATA	DS	H -	LOST DATA PAGE COUNT 41691603
000022				8953+*			(MDC387) @ZA42324 41691703
				8954+UCBPGID	DS	H -	ID OF THE LAST FUSED PAGE FOR 41691803
				8955+*			SYSTEM RESTART OR PAGE AT THE 41691903
				8956+*			TRANSFER STATION FOR CANCEL KEY 41692003
000024				8957+*			(MDC387) @ZA42324 41692103
				8958+UCBMDRBF	DS	0A -	MISCELLANEOUS DATA RECORDING (MDR) 41692404

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				8959+*		BUFFER ADDRESS (MDC339) @Z40MP9A 41693204
000024				8960+UCBRV075 DS	FL1 -	RESERVED (MDC340) @Z40MP9A 41694004
000025				8961+UCBMDRBA DS	AL3 -	MDR BUFFER ADDRESS (MDC341) @Z40MP9A 41694804
				8962+*		41695604
				8963+*****		41700000
				8964+*		41750000
				8965+*	UNIT RECORD WITH	41800000
				8966+*	UNIVERSAL CHARACTER SET (1403, 3211)	41850000
				8967+*	UCB EXTENSION	41900000
				8968+*		41950000
				8969+*	THIS EXTENSION IS POINTED TO BY THE UCBXTADR FIELD OF THE	42000000
				8970+*	UCB AND IS NOT CONTIGUOUS TO THE UCB.	42050000
				8971+*		42100000
000000				8972+UCBUCS DSECT , -	UCBXTADR -> UCBUCS	42150000
				8973+*		42200000
				8974+*****		42250000
				8975+*		42300000
000000				8976+UCBUCSID DS	CL4 -	UCS IMAGE IDENTIFICATION IN BUFFER 42350000
000004				8977+UCBUCSOP DS	B -	FORMAT OF UCS IMAGE IN BUFFER 42400000
				8978+*		(0 FOR OPTION) 42450000
		00080		8979+UCBUCS01 EQU	X'80' -	UCS IMAGE IS A DEFAULT IMAGE 42500000
		00040		8980+UCBUCS02 EQU	X'40' -	UCS IMAGE IS IN FOLD MODE 42550000
		00020		8981+UCBRSV39 EQU	X'20' , , C'X' -	RESERVED 42600000
		00010		8982+UCBRSV40 EQU	X'10' , , C'X' -	RESERVED 42650000
		00008		8983+UCBRSV41 EQU	X'08' , , C'X' -	RESERVED 42700000
		00004		8984+UCBRSV42 EQU	X'04' , , C'X' -	RESERVED 42750000
		00002		8985+UCBRSV43 EQU	X'02' , , C'X' -	RESERVED 42800000
		00001		8986+UCBUCSPE EQU	X'01' -	UCS IMAGE HAS PARITY ERROR (3211) 42850000
000005				8987+UCBFCBOP DS	B -	RESERVED (1403) OR FCB OPTIONS 42900000
				8988+*		(3211) (0 FOR OPTION) 42950000
		00080		8989+UCBFCB01 EQU	X'80' -	FCB IMAGE IS A DEFAULT IMAGE 43000000
		00040		8990+UCBRSV44 EQU	X'40' , , C'X' -	RESERVED 43050000
		00020		8991+UCBRSV45 EQU	X'20' , , C'X' -	RESERVED 43100000
		00010		8992+UCBRSV46 EQU	X'10' , , C'X' -	RESERVED 43150000
		00008		8993+UCBRSV47 EQU	X'08' , , C'X' -	RESERVED 43200000
		00004		8994+UCBRSV48 EQU	X'04' , , C'X' -	RESERVED 43250000
		00002		8995+UCBRSV49 EQU	X'02' , , C'X' -	RESERVED 43300000
		00001		8996+UCBFCBPE EQU	X'01' -	FCB IMAGE HAS PARITY ERROR 43350003
				8997+*		(MDC372) @ZA26074 43360003
000006				8998+UCBRSV51 DS	X -	RESERVED 43400000
000007				8999+UCBERCNT DS	FL1 -	CONTAINS A COUNT OF THE ERRORS THAT 43450000
				9000+*		HAVE OCCURRED. THE COUNT, WHICH MAY 43500000
				9001+*		WRAP AROUND, IS WRITTEN IN STANDARD 43550000
				9002+*		OBR RECORDS (ONE PER ERROR) AND IN 43600000
				9003+*		NEW DEVICE-DEPENDENT OBR RECORDS (0 43650000
				9004+*		TO 3 PER ERROR) AND SERVE TO RELATE 43700000
				9005+*		TO EACH OTHER THE STANDARD AND 43750000
				9006+*		DEVICE-DEPENDENT OBR RECORDS THAT 43800000
				9007+*		PERTAIN TO EACH ERROR (3211) 43850000
000008				9008+UCBFCBID DS	CL4 -	THE FCB IMAGE IDENTIFICATION 43900000
00000C				9009+UCBERADR DS	A -	THE ADDRESS OF THE ERP LOGOUT AREA 43950000
				9010+	POP PRINT	44000000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				9012	IKJCPPL Command Processor Parm List	
				9013+	*****	12000020
				9014+*	THE COMMAND PROCESSOR PARAMETER LIST (CPPL) IS A LIST OF	* 15000020
				9015+*	ADDRESSES PASSED FROM THE TMP TO THE CP VIA REGISTER 1	* 18000020
				9016+	*****	21000020
000000				9017+CPPL	DSECT	24000020
000000				9018+CPPLCBUF	DS A PTR TO COMMAND BUFFER	27000020
000004				9019+CPPLUPT	DS A PTR TO UPT	33000020
000008				9020+CPPLPSCB	DS A PTR TO PSCB	36000020
00000C				9021+CPPLECT	DS A PTR TO ECT	39000020
				9022+**/		42000020
		00010		9023 CPPLLEN	EQU *-CPPL Length of CPPL	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				9025	IKJUPT	User Profile Table LB1010e
				9026+	*****	01150000
				9027+*	THE USER PROFILE TABLE (UPT) IS BUILT BY THE LOGON/LOGOFF	* 01200000
				9028+*	SCHEDULER FROM INFORMATION STORED IN THE UADS AND FROM THE	* 01250000
				9029+*	LOGON COMMAND. IT IS IN CORE SHARED BY THE TMP AND THE	* 01300000
				9030+*	LOGON/LOGOFF SCHEDULER. CP'S AND SERVICE ROUTINES CAN MODIFY	* 01350000
				9031+*	THE UPT, BUT THEY CANNOT FREE IT.	* 01400000
				9032+	*****	01450000
000000				9033+UPT	DSECT	01500000
000000				9034+	DS 0F	01550000
000000				9035+	DS CL2 RESERVED	01600000
000002				9036+UPTUSER	DS CL10 RESERVED FOR INSTALLATION USE	01650000
00000C				9037+UPTSWS	DS X USERS ENVIRONMENT SWITCHES	01700000
		00080		9038+UPTRCVR	EQU X'80' EDIT RECOVER OPTION IS REQUESTED DEFLT @Z40NQKG	01750000
		00040		9039+UPTNPRM	EQU X'40' NO PROMPTING IS TO BE DONE	01800000
		00020		9040+UPTMID	EQU X'20' PRINT MESSAGE IDENTIFIERS	01850000
		00010		9041+UPTNCOM	EQU X'10' NO USER COMMUNICATION ALLOWED VIA SEND COMMAND	01900000
		00008		9042+UPTPAUS	EQU X'08' PAUSE FOR '?' WHEN IN NON-INTERACTIVE MODE	02000000
		00004		9043+UPTALD	EQU X'04' ATTN HAS BEEN SPECIFIED AS LINE DELETE CHAR	02040000
		00002		9044+UPTMODE	EQU X'02' MODE MESSAGES DESIRED Y01676	02080000
		00001		9045+UPTWTP	EQU X'01' WRITE TO PROGRAMMER MESSAGES DESIRED Y02669	02120000
00000D				9046+UPTCDEL	DS CL1 CHAR DELETE CHARACTER	02160000
00000E				9047+UPTLDEL	DS CL1 LINE DELETE CHARACTER	02200000
00000F				9048+	DS CL1 RESERVED	02240000
000010				9049+UPTPREFIX	DS CL7 DSNAME PREFIX Y02669	02280000
000017				9050+UPTPREFL	DS BL1 LENGTH OF DSNAME PREFIX Y02669	02320000
				9051+**/		02360000
		00018		9052 UPTLEN	EQU *-UPT Length of UPT	LB1010e

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				9054	IKJPPL	Parse Parm List
000000				9055+PPL	DSECT	08000000
				9056+	*****	10000000
				9057+*	THE PARSE PARAMETER LIST (PPL) IS A LIST OF ADDRESSES PASSED	* 12000000
				9058+*	FROM THE INVOKER TO PARSE VIA REGISTER 1	* 14000000
				9059+	*****	16000000
000000				9061+PPLUPT	DS A PTR TO UPT	20000000
000004				9062+PPECT	DS A PTR TO ECT	22000000
000008				9063+PPLECB	DS A PTR TO CP'S ECB	24000000
00000C				9064+PPLPCL	DS A PTR TO PCL	26000000
000010				9065+PPLANS	DS A PTR TO ANS PLACE	28000000
000014				9066+PPLCBUF	DS A PTR TO CMD BUFFER	30000000
000018				9067+PPLUWA	DS A PTR TO USER WORK AREA (FOR VALIDITY CK RTNS)	32000000
				9068+**/		34000000
		0001C		9069 PPLLEN	EQU *-PPL Length of PPL	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				9071	IKJIOPL	I/O Service Routine Parm List
000000				9072+IOPL	DSECT	08000056
				9073+	*****	10000056
				9074+*	THE I/O SERVICE ROUTINE PARAMETER LIST (IOPL) IS A LIST OF	* 12000056
				9075+*	FULLWORD ADDRESSES PASSED BY THE INVOKER OF ANY I/O SERVICE	* 14000056
				9076+*	ROUTINE TO THE APPROPRIATE SERVICE ROUTINE VIA REGISTER ONE.	* 16000056
				9077+	*****	18000056
000000				9079+IOPLUPT	DS A PTR TO UPT	22000056
000004				9080+IOPECT	DS A PTR TO ECT	24000056
000008				9081+IOPECB	DS A PTR TO USER'S ECB	26000056
00000C				9082+IOPLIOPB	DS A PTR TO THE I/O SERVICE RTN PARM BLOCK	28000000
				9083+**/		30000056
		00010		9084 IOPLLEN	EQU *-IOPL Length of IOPL	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				9086	IKJDAPL	Dynamic Allocation Parm List
				9087+	*****	08000000
				9088+	* THE DYNAMIC ALLOCATION INTERFACE ROUTINE (DAIR) PARAMETER LIST	* 10000000
				9089+	* (DAPL) IS A LIST OF ADDRESSES PASSED FROM THE INVOKER TO DAIR	* 12000000
				9090+	* VIA REGISTER 1	14000000
				9091+	*****	16000000
000000				9092+	DAPL DSECT	18000000
000000				9094+	DAPLUPT DS A PTR TO UPT	22000000
000004				9095+	DAPLECT DS A PTR TO ECT	24000000
000008				9096+	DAPLECB DS A PTR TO CP'S ECB	26000000
00000C				9097+	DAPLPSCB DS A PTR TO PSCB	28000000
000010				9098+	DAPLDAPB DS A PTR TO DAIR PARAMETER BLOCK	30000000
				9099+	**/	32000000
		00014		9100	DAPLLEN EQU *-DAPL Length of DAPL	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				9102	IKJDAP08	Operation block ALLOC Dataset
000000				9103+DAPB08	DSECT	02800000
				9104+*****		03500000
				9105+*	THIS OPERATION CODE CAUSES ALLOCATION OF A DATA SET. IT CAN ALLOC.	* 04200000
				9106+*	EITHER A NEW OR OLD SET.	* 04900000
				9107+*****		05600000
000000				9108+DA08CD	DS CL2 DAIR ENTRY CODE	06300000
000002				9109+DA08FLG	DS X FUNCTIONS TO BE PERFORMED WHEN RET CODE IS 0	07000000
		00080		9110+DA08FPE	EQU X'80' FUNCT PERFORMED BUT ERROR INDICATED BY RETCD	07700000
000003				9111+	DS X	08400000
000004				9112+DA08DARC	DS H DYN ALLOC RETURN CODE	09100000
000006				9113+DA08CTRC	DS H CATALOG RETURN CODE	09800000
000008				9114+DA08PDSN	DS A POINTER TO DSNAME TO BE SEARCHED IN DSE	10500000
00000C				9115+DA08DDN	DS CL8 DDNAME TO BE SEARCHED IN DSE	11200000
000014				9116+DA08UNIT	DS CL8 UNITNAME REQUESTED	11900000
00001C				9117+DA08SER	DS CL8 VOLUME SERIAL NUMBER-PADDED W/BLANKS	12600000
000024				9118+DA08BLK	DS CL4 DATA SET AVERAGE RECORD LENGTH	13300000
000028				9119+DA08PQTY	DS CL4 PRIMARY SPACE QUANTITY	14000000
00002C				9120+DA08SQTY	DS CL4 SECONDARY SPACE QUANTITY	14700000
000030				9121+DA08DQTY	DS CL4 DIRECTORY BLOCK QUANTITY	15400000
000034				9122+DA08MNM	DS CL8 MEMBER NAME	16100000
00003C				9123+DA08PSWD	DS CL8 PASSWORD	16800000
000044				9124+DA08DSP1	DS X DATA SET STATUS FLGS(IF=0 OLD ASSUMED)	17500000
		00008		9125+DA08SHR	EQU X'08' DATA SET IS SHR	18200000
		00004		9126+DA08NEW	EQU X'04' DATA SET IS NEW	18900000
		00002		9127+DA08MOD	EQU X'02' DATA SET IS MOD	19600000
		00001		9128+DA08OLD	EQU X'01' DATA SET IS OLD	20300000
000045				9129+DA08DPS2	DS X DATA SET DISPOSITION(IF=0 KEEP ASSUMED)	21000000
		00008		9130+DA08KEEP	EQU X'08' DS DISP IS KEEP	21700000
		00004		9131+DA08DEL	EQU X'04' DS DISP IS DELETE	22400000
		00002		9132+DA08CAT	EQU X'02' DS DISP IS CATLG	23100000
		00001		9133+DA08UCAT	EQU X'01' DS DISP IS UNCATALOG	23800000
000046				9134+DA08DPS3	DS X DATA SET CONDITIONAL DISPOSITION	24500000
		00008		9135+DA08KEP	EQU X'08'	25200000
		00004		9136+DA08DELE	EQU X'04'	25900000
		00002		9137+DA08CATL	EQU X'02' DS DISP OF CATLG DESIRED	26600000
		00001		9138+DA08UNCT	EQU X'01' DS DISP OF UNCATLG DESIRED	27300000
000047				9139+DA08CTL	DS X FLAGS TO CONTROL ACTIONS TAKEN BY DAIR	28000000
		00080		9140+DA08TRKS	EQU X'80' UNITS ARE TRKS	28700000
		00040		9141+DA08ABKL	EQU X'40'	29400000
		000C0		9142+DA08CYLS	EQU X'C0' UNITS ARE CYLS	30100000
		00020		9143+DA08UID	EQU X'20' USER ID IS TO BE PREFIXED	30800000
		00010		9144+DA08RLSE	EQU X'10' RELEASE (RLSE) REQUESTED	31500000
		00008		9145+DA08PERM	EQU X'08' DATA SET MUST BE SPECIFICALLY UNALLOCATED	32200000
		00004		9146+DA08DMMY	EQU X'04'	32900000
		00002		9147+DA08ATRL	EQU X'02' ATTRIBUTE LIST SUPPLIED	C99236 32950001
000048				9148+	DS CL3 RESERVED	33600000
00004B				9149+DA08DSO	DS CL1 DSORG	34300000
00004C				9150+DA08ALN	DS CL8 ATTR-LIST-NAME	C99236 34350001
				9151+*	*/	35000000
		00054		9152 DAP08LEN	EQU *-DAPB08 Length of DAP08 LEN=54	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				9154	IKJDAP18	Operation block FREE Dataset
000000				9155+DAPB18	DSECT	04000001
				9156+*****		05000001
				9157+*	THIS OPERATION CAUSES THE REQUESTED DATA SET OR DDNAME TO BE	* 06000001
				9158+*	UNALLOCATED. DISPOSITION CAN BE SPECIFIED TO OVERRIDE ANY PREVIOUS	* 07000001
				9159+*	DISPOSITION. LIKewise SYSOUT CLASS MAY BE SPECIFIED TO OVERRIDE ANY	* 08000002
				9160+*	PREVIOUS CLASS.	* 09000001
				9161+*****		10000001
000000				9162+DA18CD	DS CL2 DAIR ENTRY CODE	11000001
000002				9163+DA18FLG	DS X FUNCTIONS TO BE PERFORMED WHEN RET CODE IS 0	12000001
		00080		9164+DA18FPE	EQU X'80' FUNCT PERFORMED BUT ERROR INDICATED BY RETCD	13000001
000003				9165+	DS X	14000001
000004				9166+DA18DARC	DS H DYNAMIC ALLOCATION RETURN CODE	15000002
000006				9167+DA18CTRC	DS H CATALOG RETURN CODE AREA	16000002
000008				9168+DA18PDSN	DS A POINTER TO DSNAME TO BE SEARCHED IN DSE	17000001
00000C				9169+DA18DDN	DS CL8 DDNAME TO BE SEARCHED IN DSE	18000001
000014				9170+DA18MNM	DS CL8 MEMBER NAME	19000001
00001C				9171+DA18SCLS	DS CL2 SYSOUT CLASS DESIRED WHEN UNALLOCATING A	20000001
				9172+*	SYSOUT DATA SET	21000001
00001E				9173+DA18DPS2	DS X DATA SET DISPOSITION	22000001
		00008		9174+DA18KEEP	EQU X'08' CHANGE DISP TO KEEP	23000001
		00004		9175+DA18DEL	EQU X'04' CHANGE DISP TO DELETE	24000001
		00002		9176+DA18CAT	EQU X'02' CHANGE DISP TO CATALOG	25000001
		00001		9177+DA18UCAT	EQU X'01' CHANGE DISP TO UNCATLOG	26000001
00001F				9178+DA18CTL	DS X FLAGS FOR SPECIAL DAIR PROCESSING	27000001
		00020		9179+DA18UID	EQU X'20' USER ID IS TO BE PREFIXED TO DSNAME	28000001
		00010		9180+DA18PERM	EQU X'10' UNALLOCATE PERM. ALLOCATED DSE'S	M0765 29000002
000020				9181+DA18JBNM	DS CL8 IGNORED AS OF OS VS/2 RELEASE 2	Y02670 30000002
				9182+*	*/	31000001
		00028		9183 DAP18LEN	EQU *-DAPB18 Length of DAP18 LEN=28	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				9185 *	*/*****	LB1010h
				9186 *	/* ISPF Statistics - directory user area */	LB1010h
				9187 *	*/*****	LB1010h
000000				9188 DIRENTUA	DSECT Map of directory entry (ISPF stats)	LB1010h
000000				9189 UAMMEM DS	CL8 CHAR Member Name	LB1010h
000008				9190 UAMTTR DS	XL3 .. See SYS1.MODGEN(IHAPDS)	LB1010h
00000B				9191 UAMC DS	X Last 5 bits have number of	LB1010h
				9192 *	halfwords of user data which	LB1010h
				9193 *		LB1010h
00000C				9194 UAMSPF DS	0XL30 .. SPF statistics (30 bytes)	LB1010h
00000C				9195 UAMVLVL DS	X Byte 01 Version Number x'01'-'99'	LB1010h
00000D				9196 UAMMLVL DS	X Byte 02 Modification x'00'-'99'	LB1010h
00000E				9197 UAMRES1 DS	X Byte 03 Reserved	LB1010h
				9198 *	Bit 1 ON member last edited by	LB1010h
				9199 *	SCLM	LB1010h
				9200 *	Bit 1 OFF member processed outside	LB1010h
				9201 *	of SCLM	LB1010h
				9202 *	Bit 2 Reserved	LB1010h
				9203 *	Bit 3 Indicates ISPF extended	LB1010h
				9204 *	statistics exist	LB1010h
				9205 *	Bit 4-7 reserved for future ISPF	LB1010h
				9206 *	Bit 8 Reserved	LB1010h
00000F				9207 UAMCHGSS DS	X BYTE 04 Seconds portion of time last	LB1010h
				9208 *	modified, packed decimal SS	LB1010h
000010				9209 UAMCREDT DS	PL4 BYTE 5-8 Creation Date	LB1010h
				9210 *	byte 5 Century x'00'=1900,	LB1010h
				9211 *	x'01'=2000, etc	LB1010h
				9212 *	byte 6-8 Julian Date,	LB1010h
				9213 *	packed decimal	LB1010h
000014				9214 UAMCHGDT DS	PL4 BYTE 9-12 Date Last Modified	LB1010h
				9215 *	byte 9 Century x'00'=1900,	LB1010h
				9216 *	x'01'=2000, etc	LB1010h
				9217 *	byte 10-12 Julian Date,	LB1010h
				9218 *	packed decimal	LB1010h
000018				9219 UAMCHGTM DS	XL2 BYTE 13-14 Time Last Modified	LB1010h
				9220 *	byte 13 Hours, packed decimal	LB1010h
				9221 *	byte 14 Minutes, packed decimal	LB1010h
00001A				9222 UAMCURR DS	H BYTE 15-16 Current Number of Lines	LB1010h
				9223 *	hexadecimal format	LB1010h
00001C				9224 UAMINIT DS	H BYTE 17-18 Initial Number of Lines	LB1010h
				9225 *	hexadecimal format	LB1010h
00001E				9226 UAMMOD DS	H BYTE 19-20 Number of Modified Lines	LB1010h
				9227 *	hexadecimal format	LB1010h
000020				9228 UAMUID DS	CL7 BYTE 21-27 UserID, character format	LB1010h
				9229 *		LB1010h
000027				9230 DS	CL3 BYTE 28-30 Blanks	LB1010h
				9231 *		
				9232 *	PRINT NOGEN	
				9233 *		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				9235 *	/* *****/	
				9236 *	/* Working Storage DSECT */	
				9237 *	/* *****/	
000000				9238 WSDSECT	DSECT	
		00000		9239 WSAREA	EQU *	
				9240 *		
				9241 *	/* *****/	
				9242 *	/* mySAVEARA */	
				9243 *	/* *****/	
000000				9244 SAVEAREA DS	18F my Savearea	
				9245 *	+00 A(savearea of current CSECT)	
				9246 *	+04 A(savearea of calling CSECT)	
				9247 *	+08 A(savearea of called CSECT)	
				9248 *	+12 R14	
				9249 *	+16 R15	
				9250 *	+20 R0	
				9251 *	+24 R1	
				9252 *	+28 R2	
				9253 *	+32 R3	
				9254 *	+36 R4	
				9255 *	+40 R5	
				9256 *	+44 R6	
				9257 *	+48 R7	
				9258 *	+52 R8	
				9259 *	+56 R9	
				9260 *	+60 R10	
				9261 *	+64 R11	
				9262 *	+68 R12	
				9263 *	/* *****/	
				9264 *	/* *****/	
				9265 *	/* IKJCT441 Parm Address List */	
				9266 *	/* *****/	
000048				9267 IKJCT441 DS	F Entry point for IKJCT441	LB1010i
00004C				9268 CT441LST DS	0F	
00004C				9269 CT441P1 DS	A Entry Code	
000050				9270 CT441P2 DS	A VAR NAME POINTER	
000054				9271 CT441P3 DS	A VAR NAME LENGTH	
000058				9272 CT441P4 DS	A VAR VALUE POINTER	
00005C				9273 CT441P5 DS	A VAR VALUE LENGTH	
000060				9274 CT441P6 DS	A Token	
				9275 *	/* *****/	
				9276 *	/* *****/	
				9277 *	/* IKJCT441 Parm Variables */	
				9278 *	/* *****/	
000064				9279 NAMP1 DS	A VAR NAME POINTER	
000068				9280 NAML1 DS	A VAR NAME LENGTH	
00006C				9281 VALP1 DS	A VAR VALUE POINTER	
000070				9282 VALL1 DS	A VAR VALUE LENGTH	
				9283 *		LB1010h

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
				9285	*	*/*****	LB1010h
				9286	*	/* ISPF Parm Variables */	LB1010h
				9287	*	*/*****	LB1010h
000074				9288	ISPLINK	DS F Entry point for ISPLINK	LB1010i
000078				9289	ISPFP1	DS A ISPLINK Parm 1	LB1010h
00007C				9290	ISPFP2	DS A ISPLINK Parm 2	LB1010h
000080				9291	ISPFP3	DS A ISPLINK Parm 3	LB1010h
000084				9292	ISPFP4	DS A ISPLINK Parm 4	LB1010h
000088				9293	ISPFP5	DS A ISPLINK Parm 5	LB1010h
				9294	*		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				9296 *	*/*****	
				9297 *	/* Symbolic Variable Data Area */	
				9298 *	*/*****	
00008C				9299 DDSNL	DS 0F,H	Dataset Name Length (must be here LB1010e
				9300 *		before Dataset Name DDSN) LB1010e
		00008E		9301 DSYMS	EQU *	
				9302 *		
00008E				9303 DDSN	DS CL44	Dataset Name
0000BA				9304 DJMSG	DS CL100	MY MESSAGE VARIABLE
00011E				9305 DRSNCODE	DS CL2	Reason Code
000120				9306 DMSG1	DS CL40	Message Level 1
000148				9307 DMSG2	DS CL40	Message Level 2
000170				9308 DVOLSER	DS CL6	Volume Serial Number
000176				9309 DLRECL	DS CL5	LRECL
00017B				9310 DBLKSZ	DS CL5	BLKSIZE
000180				9311 DDSORG	DS CL3	Dataset Organization
000183				9312 DRECFM	DS CL5	Record Format e.g. FBA
000188				9313 DCREDIT	DS CL8	CCYY/JJJ Create Date
000190				9314 DCREDJ	DS CL5	YYJJJ Create Date
000195				9315 DCREDC	DS CL10	MM/DD/CCYY Create Date
00019F				9316 DEXPDT	DS CL8	CCYY/JJJ Expire Date
0001A7				9317 DEXPDJ	DS CL5	YYJJJ Expire Date
0001AC				9318 DEXPDC	DS CL10	MM/DD/CCYY Expire Date
0001B6				9319 DREFDT	DS CL8	CCYY/JJJ Last Reference Date
0001BE				9320 DREFDJ	DS CL5	YYJJJ Last Reference Date
0001C3				9321 DREFDC	DS CL10	MM/DD/CCYY Last Reference Date
0001CD				9322 DKEYL	DS CL3	Keylength
0001D0				9323 DRKP	DS CL5	Relative Key Position
0001D5				9324 DPASSWD	DS CL5	Password Protection
0001DA				9325 DRACF	DS CL4	RACF
0001DE				9326 DDEVICE	DS CL15	Device
0001ED				9327 DSSPC	DS CL8	Secondary Space Request Type LB1010c
0001F5				9328 DSSPCNM	DS CL7	Secondary Space Amount
0001FC				9329 DUNIT	DS CL7	Device Unit
000203				9330 DEXTS	DS CL3	Number of Extents
000206				9331 DNUMVOL	DS CL3	Number of Volumes
000209				9332 DTRKSAL	DS CL5	Total Tracks Allocated
00020E				9333 DTRKSUS	DS CL5	Total Tracks Used
000213				9334 DTRKSUUS	DS CL5	Total Tracks Unused
000218				9335 DTRKSCYL	DS CL5	Tracks/Cylinder
00021D				9336 DTRKLEN	DS CL5	Track Length
000222				9337 DBLKTRK	DS CL5	Blocks per Track
000227				9338 DCYL4VOL	DS CL5	Cylinders for Volume
00022C				9339 DUNITCAP	DS CL15	Capacity for Volume
00023B				9340 DDBLKS	DS CL5	PDS Directory Blocks
000240				9341 DDIRBKSU	DS CL5	PDS Directory Blocks Used
000245				9342 DDIRBKSN	DS CL5	PDS Directory Blocks Unused
00024A				9343 DMEMBERS	DS CL5	PDS Total Members
00024F				9344 DALIASES	DS CL5	PDS Alias Members
000254				9345 DDSCAT	DS CL1	Dataset catalog indication Y/N
000255				9346 DDSCATV	DS CL6	Dataset catalog volume
00025B				9347 DPSPCAL	DS CL5	Primary Space allocation
000260				9348 DPSPCUS	DS CL5	Primary Space allocation used
000265				9349 DVOLLST	DS CL35	Up to 5 volumes for multivol DSN
		000005		9350 DVOLLST#	EQU L'DVOLLST/7	7 bytes for each volume

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
000288					9351	DALLOC	DS CL5	Total Allocation in space units LB1010d
					9352	*		
			001FF		9353	DSYMSL	EQU *-DSYMS	Length of DSYMS area
					9354	*		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				9356 *	*/*****	
				9357 *	/* Date Conversion Variables */	
				9358 *	*/*****	
00028D				9359 DC#YR	DS PL4 CCYY Packed workarea	
000292				9360 DC#HJJJ	DS H JJJ halfword workarea	
000294				9361 DC#JJJ	DS CL3 JJJ Julian Date 001-366	
000297				9362 DC#YYJJJ	DS XL3 YY0JJJ workarea binary	LB1010h
				9363 *		LB1001b
00029A				9364 DC#MDCY	DS CL11	LB1001b
0002A5		0029A		9365	ORG DC#MDCY Redefine 11 byte area	LB1001b
00029A				9366 DC#MM	DS CL3 0MM Month 01-12	
00029D				9367 DC#DD	DS CL3 0DD Date 01-31	
0002A0				9368 DC#CCYY	DS CL5 0CCYY Century and Year	
				9369 *		LB1001b
0002A5				9370 DATESEP	DS CL1 Date Separator value	LB1001a
0002A6				9371 DATEFMT	DS CL1 Date Format value	LB1001b
0002A7				9372 DATEWA	DS CL15 Date Workarea	LB1001b
				9373 *		LB1010h

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				9375 *	*/*****	LB1010h
				9376 *	/* ISPF Statistics Workareas */	LB1010h
				9377 *	*/*****	LB1010h
0002B6				9378 TBN	DS CL8 TBL Name (DIRLSTxx)	LB1010h
0002BE				9379 IVLVL	DS CL3 ISPF Version Level NN	LB1010h
0002C1				9380 IMLVL	DS CL3 ISPF Modification Level NN	LB1010h
0002C4				9381 ICREDT	DS CL7 ISPF Create Date YYYYJJJ	LB1010h
0002CB				9382 ICHGDT	DS CL7 ISPF Change Date YYYYJJJ	LB1010h
0002D2				9383 ICHGTM	DS CL5 ISPF Change Time HHMM	LB1010h
				9384 *		LB1010h
				9385 *	*/*****	LB1010h
				9386 *	/* ISPF Table column fields DIRLSTn */	LB1010h
				9387 *	*/*****	LB1010h
		002D7		9388 ISTATS	EQU * PDS Member Name	LB1010h
0002D7				9389 IMEMBR	DS CL8 PDS TTR	LB1010h
0002DF				9390 ITTRP	DS CL6 VV.MM format	LB1010h
0002E5				9391 IVVMM	DS CL5 Create Date mm-dd-yy	LB1010h
0002EA				9392 ICDTE	DS CL8 Modify Date mm-dd-yy	LB1010h
0002F2				9393 IMDTE	DS CL8 Modify Time hh:mm:ss	LB1010h
0002FA				9394 IMTIM	DS CL5 ISPF Currrent Rcd Count	LB1010h
000302				9395 IRCUR	DS CL5 ISPF Initial Rcd Count	LB1010h
000307				9396 IRINT	DS CL5 ISPF Records Modified	LB1010h
00030C				9397 IRMOD	DS CL5 ISPF USERID	LB1010h
000311				9398 IUSRID	DS CL7 Length of STATS	LB1010h
		00041		9399 ISTATSL	EQU *-ISTATS	LB1010h
				9400 *		
				9401 *	*/*****	
				9402 *	/* Misc Variables */	
				9403 *	*/*****	
000318				9404 SAVER15	DS F R15 Hold	
00031C				9405 SAVER5	DS F R5 Hold	LB1010h
000320				9406 SAVER3	DS F R3 Hold	LB1010h
000324				9407 SAVER6	DS F R6 Hold	LB1010h
000328				9408 SAVER8	DS F R8 Hold	LB1010h
000330				9409 DW	DS D Double Word area	
000338				9410 FW	DS F Full Word area	
00033C				9411 RCEXIT	DS F Exit RC	
000340				9412 TRKSCYL	DS F Tracks/Cylinder	
000344				9413 TRKLEN	DS F Track Length	
000348				9414 TRKSTOTA	DS F Track Allocated TOTAL	
00034C				9415 TTRKUSED	DS F Track Used TOTAL	
000350				9416 CYL4VOL	DS F Cylinders for Volume	
000354				9417 CYLSTOTA	DS F CYLs Allocated TOTAL	
000358				9418 BLKSTOTA	DS F BLKs Allocated TOTAL	
00035C				9419 BLKSPTRK	DS F BLKs per track	
000360				9420 DMSG1L	DS F Length or MSG1	
000364				9421 DMSG2L	DS F Length or MSG2	
000368				9422 CD	DS CL2 Code for searching tables	
00036A				9423 RC	DS CL2 Return Code	
00036C				9424 SNN	DS PL2 Short symbolic seq no	
00036E				9425 SNNC	DS CL3 Short symbolic name Snn	
000371				9426 SNNUPK	DS CL3 Short symbolic unpacked seq no	
				9427 *		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				9429 *	*/*****	
				9430 *	/* PARM input scan Variables	
				9431 *	*/*****	
000374				9432 PDSNL	DS 0F,H Dataset Name Length	
000376				9433 PDSN	DS CL44 Dataset Name from PARM input	
0003A2				9434 PVOLSER	DS CL6 VOLSER from PARM input	
0003A8				9435 PVOL	DS C VOL keyword switch	
0003A9				9436 PDIR	DS C DIR keyword switch	
0003AA				9437 PPNL	DS C PNL keyword switch	
0003AB				9438 PABOUT	DS C ABOUT keyword switch	
0003AC				9439 PFILE	DS C FILE keyword switch	LB1010g
0003AD				9440 PDL	DS C DLx keyword number	LB1010h
				9441 *		LB1010e
0003AE				9442 IDPREFIX	DS C Prefix UserID Y=yes, N-no	LB1010e
0003B0				9443 MYIDL	DS H Prefix UserID Length	LB1010e
0003B2				9444 MYID	DS CL8 Prefix UserID	LB1010e
				9445 *		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
				9447	*	*/*****	
				9448	*	/* CAMLIST Workareas	
				9449	*	*/*****	
0003BA				9450	OBTVOL	DS CL6	VOLSER
0003C0				9452	CAMDSN	DS CL44	Dataset name
0003EC				9454	CAMLIST	DS 4F	CAM Access List
000400				9456	LOCATEA	DS 0D	Locate Area
000400				9457		DS 265C	Declare space for catalog rcd
000510				9458		DS 0D	
000510		00400		9460		ORG LOCATEA	REDEFINE catalog rcd
000400				9461	LOCA#VOL	DS H	Number of volumes
		00402		9462	LOCAVENT	EQU *	Volume List Entry
000402				9463	LOCADEVT	DS 0CL4	Device type see UCBTYP field
000402				9464		DS CL1	I/O supervisor flags
000403				9465		DS CL1	Optional features
000404				9466	LOCADEV	DS CL1	Device class
000405				9467	LOCAUNTY	DS CL1	Unit Type
000406				9468	LOCAVSR	DS CL6	Device serial number
00040C				9469	LOCAVS#	DS CL2	Device sequence number
		0000C		9470	LOCAVLLN	EQU *-LOCAVENT	Length of Volume List Entry
00040E		00402		9472		ORG LOCAVENT	
000402				9473	LOCAVLST	DS 20CL12	Volume list (20 max) 240 bytes
0004F2				9474		DS CL23	
000510				9475		DS 0D	
000510				9477	OBTAINA	DS 0D	
000510				9478		DS 4CL140	Declare space for 4 DSCBs
000740				9479		DS 0D	
000740		004E4		9481		ORG OBTAINA-44	Start DSCBs after 44 byte DSN

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	18.53	04/12/20
					9483		IECSDSL1 1				
							DSCB F1				

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
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				9566		IECSDSL1 2	DSCB F2	
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
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9620

IECSDSL1 3

DSCB F3

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
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				9634		IECSDSL1 4	DSCB F4	
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				9675 *	*/*****	
				9676 *	/* Workareas for DAPL Build	
				9677 *	*/*****	
0006E8				9678 MYCPPLP	DS F CPPL Address	
0006EC				9679 MYECB	DS F Env Control Block	
0006F0				9680 MYDAPL	DS 0F,(DAPLLEN)C Dynamic Alloc Parm List	
000708				9681 MYDAPB	DS 0D,(DAP08LEN)C Dynamic Alloc Parm Block LEN=X'54'	
				9682 *		
				9683 *	MYDAPB is a variable length area used by DAIR	
				9684 *	NOTE=> ENSURE THE LENGTH is the largest of the DAnn DSECTS used!	
				9685 *		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 18.53 04/12/20
				9687 *	*/*****	
				9688 *	/* PDS DIR Workareas	
				9689 *	*/*****	
000760				9690 BLOCK	DS 0D,256C	PDS Block area
000860				9691 DDNAME	DS CL8	DDN assigned by Dynamic Alloc
000868				9693 DIRSW	DS C	Read PDS Block or process switch
00086C				9694 PODBLKS	DS F	# of dir blocks used
000870				9695 PODBLKSU	DS F	# of dir blocks unused
000874				9696 POMEMS	DS F	PDS member count
000878				9697 POALIS	DS F	PDS alias count
00087C				9698 ALLOCP0	DS CL1	PDS Allocated Flag LB1010h
000880				9700 DIRDCBW	DS 0F,(DIRDCBL)X	PDS DIR DCB work area
0008D8				9701 DIRDECBW	DS 0F,(DIRDECBL)X	PDS
0008EC				9703 PARMVL1	DS F	Null Parm
				9704 *		
0008F0				9705	DS 0F,(40)X	
		00918		9706 WSAREAE	EQU *	Working Storage END
		00918		9707 WSAREAL	EQU WSAREAE-WSAREA	Working Storage Area Length

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 18.53 04/12/20
000000					9709	END	LISTDSJ	

ASM 0201 18.53 04/12/20

POS.ID	REL.ID	FLAGS	ADDRESS
0001	0001	0C	0018A4
0001	0001	0C	0018AC
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	0C	00265C
0001	0001	0C	00266C
0001	0001	0C	00267C
0001	0001	0C	00268C
0001	0001	0C	00269C
0001	0001	0C	0026AC
0001	0001	08	002C8D
0001	0001	0C	002CA4

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 18.53 04/12/20														
ABOUT#XT	00001	00000614	01426	01407															
ADDTB	00001	00001D44	03805	02776															
ADDTBX	00001	00001D78	03822	03819															
ADDTBZZ	00001	00001322	02775	02679															
ALLOCP0	00001	0000087C	09698	00993	02903	03316													
ASCB	00001	00000000	07696	00889	07912														
ASCBTSB	00004	0000003C	07750	00889															
BLK#B	00001	00000BBA	02068	02066															
BLKSPTRK	00004	0000035C	09419	01773	02199	02205													
BLKTRKC	00001	0000095C	01769	01763															
BLKXT	00001	00000BC2	02071	02067	02070														
BLOCK	00008	00000760	09690	02592	02614														
BUMPCNT	00001	00000248	01033	01028	01031														
BUMPPRM	00001	0000023C	01029	01023															
CALCDSNL	00001	000005AC	01386	01391															
CALCEXIT	00001	000005C0	01392	01388															
CAMDSN	00044	000003C0	09452	01396	01442	01472	01570	01591	01677	01678	01678	01678	01683						
CAMLIST	00004	000003EC	09454	01440	01441	01443	01445	01447	01450	01568	01569	01571	01573	01575	01578	01605	01606	01607	
				01609	01611	01613	01616	01641	01642	01643	01648	01650	01652	01655	01681	01682	01684	01686	
				01688	01691														
CAMRCERR	00001	0000156E	03042	01589	01627	01666	01702												
CAMR04	00001	0000159C	03054	03044															
CAMR08	00001	000015B2	03059	03046															
CAMR12	00001	000015C8	03064	03048															
CD	00002	00000368	09422	03395	03401	03406													
CDC1	00001	0000195E	03429	03416	03427														
CDFOUND	00001	00001938	03417	03407															
CDNOFIND	00001	0000192A	03413	03405															
CHAR	00008	00002B98	04440	03583															
CHKCD	00001	0000190A	03403	03396	03402	03412													
CHKDDNL	00001	00000544	01347	01269															
CHKME	00001	000019F6	03484	03495															
CHKVOLSX	00001	00000750	01546	01535															
CH2C	00001	00001186	02663	02675															
CLOSETB	00001	00001DB0	03855	02892															
CLOSETBX	00001	00001DE4	03872	03869															
CONTZ	00001	0000153A	02992	02988															
CPPL	00001	00000000	09017	01280	03292	09023													
CPPLECT	00004	0000000C	09021	03294															
CPPLIN	00001	00000198	00947	00939															
CPPLPSCB	00004	00000008	09020	03297															
CPPLUPT	00004	00000004	09019	01281	03293														
CREATETB	00001	00001CFE	03775	02486															
CREATETX	00001	00001D42	03797	03794															
CREDTXT	00001	00000DD2	02289	02280															
CTL#A	00001	00000BF6	02104	02100															
CTL#M	00001	00000BFE	02107	02102															
CTLCHRXT	00001	00000C06	02110	02103	02106	02109													
CT441LST	00004	0000004C	09268	03519															
CT441P1	00004	0000004C	09269	00868															
CT441P2	00004	00000050	09270	00870															
CT441P3	00004	00000054	09271	00872															
CT441P4	00004	00000058	09272	00874															
CT441P5	00004	0000005C	09273	00876															
CT441P6	00004	00000060	09274	00878	00879														

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 18.53 04/12/20
CVT	00001	00000000	05127	01352 02361	
CVTBRET	00002	00000052	05185	05752	
CVTILK2	00004	00000028	05165	02362	
CVTPTR	00001	00000010	05123	01351 02360	
CVTTCBP	00004	00000000	05130	01353	
CVTXTNT1	00001	00000000	05935	05362	
CVTXTNT2	00001	00000000	05944	05433	
CVT4MS1	00001	00000010	05204	05211	
CVT6DAT	00001	00000002	05207	05211	
CYLSTOTA	00004	00000354	09417	01849 02159	
CYL4VOL	00004	00000350	09416	01712 01747	
DAIR	00001	0000189E	03344	03311 03335	
DALIASES	00005	0000024F	09344	02874 02875 04226 04226	
DALLOC	00005	00000288	09351	02211 04278 04278	
DAPB08	00001	00000000	09103	03304 09152	
DAPB18	00001	00000000	09155	03331 09183	
DAPL	00001	00000000	09092	03290 09100	
DAPLDAPB	00004	00000010	09098	03299	
DAPLECB	00004	00000008	09096	03296	
DAPLECT	00004	00000004	09095	03294	
DAPLLEN	00001	00000014	09100	09680	
DAPLPSCB	00004	0000000C	09097	03297	
DAPLUPT	00004	00000000	09094	03293	
DAP08LEN	00001	00000054	09152	09681	
DATECCNT	00001	00001988	03451	03448	
DATECONV	00001	00001964	03440	02282 02309 02336 02716 02738	
DATECY2	00001	00001984	03449	03445	
DATEFMT	00001	000002A6	09371	01006 01251 03225 03231 03245	
DATESEP	00001	000002A5	09370	01000 01225 01228 01231 02274 02301 02328 03228 03229 03242 03243	
DATEWA	00015	000002A7	09372	02278 02288 02305 02315 02332 02342 02718 02740 03228 03229 03230 03234 03235 03238 03239	
				03242 03243 03244 03248 03249 03252 03253	
DAYSTBLJ	00002	000021E4	04119	03483	
DA08DDN	00008	0000000C	09115	03315	
DA08DSP1	00001	00000044	09124	03310	
DA08PDSN	00004	00000008	09114	03307	
DA08SER	00008	0000001C	09117	03309	
DA08SHR	00001	00000008	09125	03310	
DA08UNIT	00008	00000014	09116	03308	
DA18DDN	00008	0000000C	09169	03333	
DBLKSZ	00005	0000017B	09310	01920 01921 04208 04208	
DBLKTRK	00005	00000222	09337	01771 01772 04258 04258	
DC#CCYY	00005	000002A0	09368	02283 02285 02310 02312 02337 02339 03230 03244 03456 03457 03472	
DC#DD	00003	0000029D	09367	03235 03238 03249 03252 03508 03509	
DC#HJJJ	00002	00000292	09360	02712 02713 02734 02735 03468 03491 03505	
DC#JJJ	00003	00000294	09361	02284 02286 02311 02313 02338 02340 03462 03463	
DC#MDCY	00011	0000029A	09364	02276 02303 02330 09365	
DC#MM	00003	0000029A	09366	03234 03239 03248 03253 03503 03504	
DC#YR	00004	0000028D	09359	03472 03473 03474 03476 03477	
DC#YYJJJ	00003	00000297	09362	02707 02713 02714 02729 02735 02736	
DCREDC	00010	00000195	09315	02278 02288 04260 04260	
DCREDJ	00005	00000190	09314	02275 02285 02286 04248 04248	
DCREDT	00008	00000188	09313	02273 02274 02283 02284 04196 04196	
DCYL4VOL	00005	00000227	09338	01714 01715 04244 04244	
DDBLKS	00005	0000023B	09340	02848 02849 04218 04218	
DDIRBKS	00005	00000245	09342	02861 02862 04222 04222	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 18.53 04/12/20
DRSNCODE	00002	0000011E	09305	00910 01422 01464 01525 01537 01542 02496 02575 02830 02900 02917 03050 03055 03060 03065	
				03200 03205 03210 03401 04190 04190	
DSCBF1	00001	00000750	01559	01457	
DSCBF1A	00001	0000076A	01566	01561	
DSCBF2X	00001	0000081E	01628	01619	
DSCBF3	00001	0000081E	01637	01603	
DSCBF3X	00001	00000884	01667	01639 01658	
DSCBF4X	00001	000008DC	01703	01694	
DSERR	00001	0000073A	01541	01523	
DSNFOUND	00001	00000680	01469	01453	
DSO#FND	00001	00000B32	01997	01983	
DSORGLP	00001	00000AE8	01978	01985	
DSORGXT	00001	00000B6A	02020	01995 02001 02003	
DSSPC	00008	000001ED	09327	02157 02172 02187 02196 04232 04232	
DSSPCNM	00007	000001F5	09328	02224 02225 04240 04240	
DSYMS	00001	0000008E	09301	00897 09353	
DSYMSL	00001	000001FF	09353	00898	
DS1BLKL	00002	0000053A	09526	01762 01767 01917	
DS1CREDT	00003	00000519	09490	02279 02281	
DS1DSIND	00001	00000541	09530	02234 02236 02254	
DS1DSORG	00002	00000536	09499	01602 01645 01861 01863 01979 01990 02000	
DS1EXPDT	00003	0000051C	09491	02306 02308	
DS1EXT1	00010	0000054D	09556	01789	
DS1IND01	00001	00000001	09550	09551	
DS1IND02	00001	00000002	09546	09549	
DS1KEYL	00001	0000053E	09528	01932	
DS1LRECL	00002	0000053C	09527	01903	
DS1LSTAR	00003	00000546	09553	01869 01870	
DS1NOEPV	00001	0000051F	09492	01638 01782 01800 01960	
DS1PTRDS	00005	0000056B	09563	01608 01644	
DS1RECFM	00001	00000538	09524	02032 02065 02077 02088 02099 02101	
DS1REFD	00003	0000052F	09497	02333 02335	
DS1RKP	00002	0000053F	09529	01946	
DS1SCALO	00004	00000542	09552	02146 02149 02152 02221	
DS2PTRDS	00005	000005F7	09617	01647	
DS3AEXT	00090	00000629	09630	01816	
DS3EXTNT	00040	00000600	09624	01805	
DS4DEVSZ	00004	0000069A	09652	01711 01722	
DS4DEVTK	00002	0000069E	09653	01733	
DTRKLEN	00005	0000021D	09336	01736 01737 04254 04254	
DTRKSAL	00005	00000209	09332	01840 01841 04238 04238	
DTRKSCYL	00005	00000218	09335	01725 01726 04246 04246	
DTRKSUS	00005	0000020E	09333	01881 01882 04234 04234	
DTRKSUUS	00005	00000213	09334	01891 01892 04242 04242	
DUNIT	00007	000001FC	09329	02415 04230 04230	
DUNITCAP	00015	0000022C	09339	01752 01753 04256 04256	
DVCLST\$	00001	00000F28	02423	02388 02424 02440	
DVCLST\$E	00001	00000010	02440	02387	
DVCLST\$L	00001	00000008	02424	02401 02440	
DVOLLST	00035	00000265	09349	01496 01497 01497 01497 01498 04276 04276 09350	
DVOLLST#	00001	00000005	09350	01500	
DVOLSER	00006	00000170	09308	01530 01531 01565 01592 02376 03309 03309 04228 04228	
DW	00008	00000330	09409	01355 01356 01408 01420 01460 01461 01484 01485 01584 01585 01622 01623 01661 01662 01697	
				01698 01713 01714 01724 01725 01735 01736 01751 01752 01770 01771 01839 01840 01880 01881	
				01890 01891 01905 01906 01919 01920 01934 01935 01948 01949 01962 01963 01992 01993 02119	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 18.53 04/12/20													
				02120 02120 02120 02123 02132 02160 02161 02167 02168 02175 02176 02180 02181 02190 02191														
				02200 02201 02206 02207 02223 02224 02410 02411 02493 02494 02572 02573 02685 02686 02691														
				02692 02700 02700 02701 02702 02704 02705 02706 02709 02709 02710 02711 02722 02722 02723														
				02724 02726 02727 02728 02731 02731 02732 02733 02743 02744 02745 02750 02751 02752 02757														
				02758 02763 02764 02769 02770 02827 02828 02847 02848 02853 02854 02860 02861 02867 02868														
				02873 02874 02897 02898 02914 02915 03267 03268 03455 03456 03461 03462 03502 03503 03507														
				03508 03531 03532														
ECUPDT	00004	000021DC	04113	00867														
ENDME	00002	0000149C	02933	01425 01467 01528 01540 01545 02499 02578 02833 02905 02920 03053 03058 03063 03068 03203														
				03208 03213														
ERASETB	00001	00001CC0	03748	02485														
ERASETBX	00001	00001CFC	03767	03762 03764														
ERR4004	00001	000015DE	03071	00944														
ERR4005	00001	0000160C	03087	00936														
ERR4008	00001	00001638	03103	00952														
ERR4009	00001	00001664	03119	00956														
ERR4010	00001	00001690	03135	00957														
ERR4097	00001	000016BC	03151	03353														
ERR4098	00001	000016E8	03167	00859														
ERR4099	00001	00001714	03183	00891														
EXPDTXT	00001	00000E28	02316	02307														
EXTF1	00001	00000982	01791	01796														
EXTF3	00001	000009A6	01807	01812														
EXTF3B	00001	000009C2	01818	01823														
FLCEICOD	00002	00000086	04678	04679														
FLCENPSW	00004	00000058	04657	04659														
FLCEOPSW	00008	00000018	04640	04641														
FLCINPSW	00004	00000078	04670	04672														
FLCIOPSW	00008	00000038	04648	04649														
FLCIPPSW	00008	00000000	04631	04634														
FLCMNPSW	00004	00000070	04666	04669														
FLCMOPSW	00008	00000030	04646	04647														
FLCPICOD	00002	0000008E	04698	04699														
FLCPIILC	00001	0000008D	04692	04697														
FLCPNPSW	00004	00000068	04663	04665														
FLCPOPSW	00008	00000028	04644	04645														
FLCSNPSW	00004	00000060	04660	04662														
FLCSOPSW	00008	00000020	04642	04643														
FLCSVCN	00002	0000008A	04688	04689														
FLCSVILC	00001	00000089	04683	04687														
FLCTIMER	00004	00000050	04654	04655														
FW	00004	00000338	09410	01374 01374 01375 01376 01481 01481 01482 01483 01766 01766 01767 01768 01902 01902 01903														
				01904 01916 01916 01917 01918 01931 01931 01932 01933 01945 01945 01946 01947 01959 01959														
				01960 01961 01989 01989 01990 01991 02220 02220 02221 02222 02407 02407 02408 02409 03441														
				03441 03442 03443 03458 03458 03459 03460														
GETDEVTY	00001	00000EC0	02386	02357														
GOODDDN	00001	00000586	01373	01368														
HEXTAB	00008	00002BA1	04442	02666 02671														
ICDTE	00008	000002EA	09392	02718 03631 04468														
ICDTEL	00004	00002C50	04468	03633														
ICDTEN	00008	00002C09	04455	03629 03641 03641 03922 03930 03930														
ICHGTM	00005	000002D2	09383	02745 02746 02748 02752 02753														
IDPREFIX	00001	000003AE	09442	01018 01030 01032 01271														
IECSDSF2	00001	00000570	09568	01612														
IECSDSF3	00001	000005FC	09622	01651														

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 18.53 04/12/20
IECSDSF4	00001	00000688	09636	01687	
IECSDSL1	00001	000004E4	09484	09485	
IECSDSL2	00001	00000570	09567	09568	
IECSDSL3	00001	000005FC	09621	09622	
IECSDSL4	00001	00000688	09635	09636	
IKJCT441	00004	00000048	09267	00860 03522	
IMDTE	00008	000002F2	09393	02740 03647 04469	
IMDTEL	00004	00002C54	04469	03649	
IMDTEN	00008	00002C11	04456	03645 03657 03657 03934 03942 03942	
IMEMBR	00008	000002D7	09389	02655 02656 02656 02658 03581 04465	
IMEMBRL	00004	00002C44	04465	03585	
IMEMBRN	00008	00002BF1	04452	03579 03593 03593 03886 03894 03894	
IMLVL	00003	000002C1	09380	02692 02693 02697	
IMTIM	00008	000002FA	09394	02746 02747 02748 02749 02753 03727 04470	
IMTIML	00004	00002C58	04470	03729	
IMTIMN	00008	00002C19	04457	03725 03737 03737 03994 04002 04002	
INITSYMA	00001	00000144	00899	00902	
INPB08	00008	00002AD0	04381	03305 04404	
INPB08L	00001	00000054	04404	03305	
INPB18	00008	00002B28	04410	03332 04424	
INPB18L	00001	00000028	04424	03332	
IOPL	00001	00000000	09072	09084	
IRCUR	00005	00000302	09395	02758 02759 03679 04471	
IRCURL	00004	00002C5C	04471	03681	
IRCURN	00008	00002C21	04458	03677 03689 03689 03958 03966 03966	
IRINT	00005	00000307	09396	02764 02765 03663 04472	
IRINTL	00004	00002C60	04472	03665	
IRINTN	00008	00002C29	04459	03661 03673 03673 03946 03954 03954	
IRMOD	00005	0000030C	09397	02770 02771 03695 04473	
IRMODL	00004	00002C64	04473	03697	
IRMODN	00008	00002C31	04460	03693 03705 03705 03970 03978 03978	
ISPFERR	00001	00001436	02896	03594 03610 03626 03642 03658 03674 03690 03706 03722 03738 03766 03796 03821 03846 03871 03895 03907 03919 03931 03943 03955 03967 03979 03991 04003	
ISFPF1	00004	00000078	09289	03578 03588 03604 03620 03636 03652 03668 03684 03700 03716 03732 03754 03758 03782 03790 03811 03815 03836 03840 03861 03865 03885 03889 03901 03913 03925 03937 03949 03961 03973 03985 03997	
ISFPF2	00004	0000007C	09290	03580 03598 03614 03630 03646 03662 03678 03694 03710 03726 03756 03757 03784 03813 03814 03838 03839 03863 03864 03887 03888 03899 03900 03911 03912 03923 03924 03935 03936 03947 03948 03959 03960 03971 03972 03983 03984 03995 03996	
ISFPF3	00004	00000080	09291	03582 03600 03616 03632 03648 03664 03680 03696 03712 03728 03786	
ISFPF4	00004	00000084	09292	03584 03788 03789	
ISFPF5	00004	00000088	09293	03586 03587 03602 03603 03618 03619 03634 03635 03650 03651 03666 03667 03682 03683 03698 03699 03714 03715 03730 03731	
ISPFSTS	00001	000011BE	02682	02678	
ISPLINK	00004	00000074	09288	02466 02466 02477 03589 03605 03621 03637 03653 03669 03685 03701 03717 03733 03759 03791 03816 03841 03866 03890 03902 03914 03926 03938 03950 03962 03974 03986 03998	
ISTATS	00001	000002D7	09388	09399	
ISTATSL	00001	00000041	09399	02656	
ITTRP	00006	000002DF	09390	02660 03599 04466	
ITTRPL	00004	00002C48	04466	03601	
ITTRPN	00008	00002BF9	04453	03597 03609 03609 03898 03906 03906	
IUSRID	00007	00000311	09398	02773 03711 04474	
IUSRIDL	00004	00002C68	04474	03713	
IUSRIDN	00008	00002C39	04461	03709 03721 03721 03982 03990 03990	
IVLVL	00003	000002BE	09379	02686 02687 02695	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 18.53 04/12/20				
IVVMM	00005	000002E5	09391	02695 02696 02697 03615 04467					
IVVMML	00004	00002C4C	04467	03617					
IVVMMN	00008	00002C01	04454	03613 03625 03625 03910 03918 03918					
JFCB	00001	00000000	07058	01378					
JFCBDSNM	00044	00000000	07095	01379					
JFCRESRV	00004	0000006C	07541	07566					
KABOUT	00001	00000310	01098	01053					
KDIR	00001	000002E4	01084	01049					
KDIR#9	00001	000002CE	01077	01047					
KDL0	00001	0000033C	01112	01065 01067					
KFILE	00001	00000326	01105	01063					
KLIST	00008	00002BB1	04447	03785					
KPNL	00001	000002FA	01091	01051					
KWABOUT	00005	000021AF	04100	01052 01099 01102 01138 01139					
KWDF	00003	000021C2	04104	01060 01243					
KWDIR	00003	000021A9	04098	01048 01085 01088 01128 01129					
KWDIR9	00009	000021A0	04097	01046 01078 01081					
KWDL0	00003	000021D4	04107	01064 01113 01116 01149 01150 01151					
KWDL1	00003	000021D7	04108	01066					
KWDS	00003	000021BF	04103	01058 01215					
KWFILE	00004	000021D0	04106	01062 01106 01109 01143 01144					
KWPNL	00003	000021AC	04099	01050 01092 01095 01133 01134					
KWVOL	00004	000021BB	04102	01056 01182 01183					
KWVOLUME	00007	000021B4	04101	01054 01177 01178					
LEN#FND	00001	00000B9A	02042	02037					
LENTYLP	00001	00000B82	02034	02039					
LENTYXT	00001	00000BAE	02058	02041 02044					
LISTDSJ	00001	00000000	00779	00780 09709					
LOADDFX	00001	00000486	01253	01246 01248 01252					
LOADDSD	00001	00000450	01227	01218					
LOADDSP	00001	00000458	01230	01222					
LOADDSS	00001	00000448	01224	01220					
LOADDSX	00001	00000460	01233	01223 01226 01229 01232					
LOCA#VOL	00002	00000400	09461	01482 01520 01522					
LOCADEV	00001	00000404	09466	01532					
LOCATEA	00008	00000400	09456	01446 09460					
LOCAUNTY	00001	00000405	09467	02398					
LOCAVENT	00001	00000402	09462	09470 09472					
LOCAVLLN	00001	0000000C	09470	01507					
LOCAVSR	00006	00000406	09468	01471 01499 01530					
LOOK4DT	00001	00000EC8	02389	02402					
LOOK4DT2	00001	00000EDE	02397	02391					
LOOK4DT3	00001	00000EE8	02400	02396					
LOOPDDN	00001	00000568	01363	01372					
MM1	00013	00002AC2	04374	04375					
MOVEML1	00001	00001950	03425	03423					
MSGJ015	00029	00002973	04351	02922 02922 04352					
MSGJ017	00025	00002990	04353	02492 02492 04354					
MSGJ018	00021	000029A9	04355	02913 02913 04356					
MSGJ020	00032	000029BE	04357	01459 01459 01696 01696 04358					
MSGJ021	00034	000029DE	04359	01583 01583 04360					
MSGJ022	00032	00002A00	04361	01621 01621 01660 01660 04362					
MSGJ025	00035	00002A20	04363	01987 01987 02405 02405 04364					
MSGJ027	00042	00002A43	04365	03530 03530 04366					
MSGJ030	00021	00002A6D	04367	02571 02571 04368					

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 18.53 04/12/20
MSGJ031	00022	00002A82	04369	02826 02826 04370	
MSGJ032	00042	00002A98	04371	04372	
MSG LX	00001	0000152C	02986	02983	
MSG L1	00001	00001520	02981	02975	
MSG L2	00001	00001528	02984	02977	
MSG4004	00017	00002912	04340	03074 03090 04341	
MSG4004L	00001	00000011	04341	03074 03079 03090 03095	
MSG4009	00017	00002923	04342	03106 03122 03138 04343	
MSG4009L	00001	00000011	04343	03106 03111 03122 03127 03138 03143	
MSG4097	00022	00002934	04344	03154 04345	
MSG4097L	00001	00000016	04345	03154 03159	
MSG4098	00023	0000294A	04346	03170 04347	
MSG4098L	00001	00000017	04347	03170 03175	
MSG4099	00018	00002961	04348	03186 04349	
MSG4099L	00001	00000012	04349	03186 03191	
MVCMAX	00001	00001A78	03539	03537	
MVCM SGL1	00006	00001958	03428	03426	
MVCMYID	00006	000004EA	01305	01301	
MVCOK	00001	00001A7C	03541	03538	
MVCPDSN	00006	00000532	01329	01320 01327	
MVCSYS	00006	00001A84	03544	03542	
MYCPPLP	00004	000006E8	09678	00948 01279 03291	
MYDAPB	00008	00000708	09681	03298 03314 03330	
MYDAPL	00004	000006F0	09680	03289 03334	
MYECB	00004	000006EC	09679	00915 00915 03295	
MYEXIT	00001	0000154C	03000	03166 03182 03198	
MYID	00008	000003B2	09444	01286 01296 01305	
MYIDL	00002	000003B0	09443	01285 01295	
MYSTAMP	00001	0000001E	00802	00816 01416 01421	
MYSTAMPL	00001	0000008F	00816	01413 01421	
NAML1	00004	00000068	09280	00871 02962 02966 03535	
NAMP1	00004	00000064	09279	00869 02960 02965 03534	
NEXTPRM	00001	00000254	01043	01021 01068 01083 01090 01097 01104 01111 01118 01164 01195 01197 01206 01235 01255	
NLIST	00056	00002BB9	04448	03787	
NOADD	00001	00001A08	03490	03487 03488	
NOISPLNK	00001	00000FF8	02479	02476	
NOLEAP	00001	000019EE	03481	03470 03475 03478	
NOMAINS	00001	00001564	03032	00832	
OBTAINA	00008	00000510	09477	01574 09481	
OBTR00	00001	000007B8	01590	01581	
OBTVOL	00006	000003BA	09450	01189 01190 01190 01190 01191 01192 01397 01531 01564 01572 01592 01610 01649 01685	
OKISPLNK	00001	00001006	02483	02478	
ONTAPE	00001	00000724	01536	01533	
OTHR	00001	00001534	02989	02978	
OVF#S	00001	00000BDE	02091	02089	
OVFCHRXT	00001	00000BE2	02093	02090	
OVRSTAMP	00002	000000AE	00817	00801	
PABOUT	00001	000003AB	09438	00990 01137 01406	
PARM@DEC	00001	000003A8	01160	01130 01135 01140 01145 01152	
PARMABOT	00001	00000372	01136	01101 01103	
PARMCNT2	00001	000005C4	01395	01339	
PARMDCNT	00001	00000538	01333	01272 01321 01328	
PARMDF	00001	00000468	01242	01061	
PARMDIR	00001	00000352	01126	01080 01082 01087 01089	
PARMDL0	00001	00000392	01146	01115 01117	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 18.53 04/12/20															
PARMDONE	00001	0000048E	01265	01036 01069 01162 01163 01165 01186 01187 01205 01207																
PARMDS	00001	00000428	01214	01059																
PARMFILE	00001	00000382	01141	01108 01110																
PARMPNL	00001	00000362	01131	01094 01096																
PARMSXT	00001	000001C0	00960	00946																
PARMVGO	00001	000003D6	01184	01179																
PARMVL1	00004	000008EC	09703	02558 02562 02818																
PARMVOL	00001	000003CA	01180	01057																
PARMVOL6	00001	000003BA	01175	01055																
PASSWDXT	00001	00000D60	02247	02240 02243 02246																
PDIR	00001	000003A9	09436	00988 01127 01148 02454																
PDL	00001	000003AD	09440	00994 01149 02459 02462 02480 02649 02888																
PDSALC	00001	00001822	03284	02488																
PDSALCXT	00001	00001882	03317	03313																
PDSFRE	00001	00001884	03325	02909																
PDSN	00044	00000376	09433	00986 00987 00987 00987 01008 01267 01329 01337																
PDSNL	00004	00000374	09432	01010 01027 01266 01312 01325																
PFILE	00001	000003AC	09439	00992 01142 01268																
PGMID	00008	0000001E	00803	03265																
POALIS	00004	00000878	09697	02552 02552 02634 02636 02866 02872																
PODALCGO	00001	00001012	02487	02460 02482																
PODALIAS	00001	00001146	02633	02625																
PODBLKS	00004	0000086C	09694	02549 02549 02609 02611 02788 02846 02858																
PODBLKSU	00004	00000870	09695	02550 02550 02788 02852 02859																
PODCNTS	00001	000013BC	02844	02810 02814																
PODCONT0	00001	000010B8	02580	02569																
PODCONT5	00001	00001328	02781	02650																
PODCONT9	00001	000013BC	02836	02824																
PODDIRNN	00001	00001496	02921	02457																
PODDIRXT	00001	0000149C	02924	02455 02911																
PODENTRY	00001	00001124	02620	02784																
PODEOF	00001	0000137A	02816	04502																
PODERR	00001	00001376	02812	02606																
PODFREE	00001	00001462	02907	02889 02894 02904																
PODINFO	00001	00001046	02548	02490																
PODNEXT	00001	00001152	02638	02631																
PODREAD	00001	000010C2	02587	02613 02785 02789																
PODSYN	00001	00001344	02792	04517																
PODUSED	00004	00001336	02787	02622																
POMEMS	00004	00000874	09696	02551 02551 02628 02630 02865																
PPL	00001	00000000	09055	09069																
PPNL	00001	000003AA	09437	00989 01132 02952																
PREFXMSG	00001	00001800	03264	03073 03089 03105 03121 03137 03153 03169 03185																
PRMDSN	00001	00000216	01019	01035																
PSA	00001	00000000	04629	00888 04841 04846 05072																
PSAAOLD	00004	00000224	04778	00888																
PSAIPCDM	00001	0000026C	04847	04846																
PSAIPCRM	00001	00000264	04842	04841																
PSATNEW	00004	00000218	04774	04775																
PVOL	00001	000003A8	09435	00991 01176 01181 01456 01560																
PVOLSER	00006	000003A2	09434	01397 01564 01565																
RACFRQD	00001	00000D72	02259	02255																
RACFXT	00001	00000D7C	02262	02258 02261																
RC	00002	0000036A	09423	00907 01424 01466 01527 01539 01544 02498 02577 02832 02902 02919 03052 03057 03062 03067 03202 03207 03212 03395																

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 18.53 04/12/20														
RCEXIT	00004	0000033C	09411	00908 01423 01465 01526 01538 01543 02497 02576 02831 02901 02918 03016 03051 03056 03061															
				03066 03072 03088 03104 03120 03136 03152 03168 03184 03201 03206 03211 03266															
RCMSG00	00018	000028AD	04329	04328															
RCMSG04	00039	000028C3	04331	04330															
RCMSG16	00036	000028EE	04333	04332															
RCTBLBEG	00001	000028A9	04327	03392 03394 04334															
RCTBLLEN	00001	00000069	04334	03393															
RECFML	00001	00000C1C	02124	02131															
RECFMLA	00001	00000C2E	02129	02126															
REFDTXT	00001	00000E7E	02343	02334															
RSMSG00	00017	000026C0	04289	04288															
RSMSG02	00024	000026D5	04291	04290															
RSMSG05	00022	000026F1	04293	04292															
RSMSG06	00019	0000270B	04295	04294															
RSMSG13	00031	00002722	04297	04296															
RSMSG17	00026	00002745	04299	04298															
RSMSG19	00035	00002763	04301	04300															
RSMSG21	00034	0000278A	04303	04302															
RSMSG22	00018	000027B0	04305	04304															
RSMSG23	00029	000027C6	04307	04306															
RSMSG24	00022	000027E7	04309	04308															
RSMSG26	00030	00002801	04311	04310															
RSMSG28	00030	00002823	04313	04312															
RSMSG29	00027	00002845	04315	04314															
RSMSG90	00029	00002864	04317	04316															
RSMSG99	00036	00002885	04319	04318															
RSN28	00001	00001740	03199	01349															
RSN29	00001	00001756	03204	01338 03086 03102 03118 03134 03150															
RSN90	00001	0000176C	03209	01365															
RSTBLBEG	00001	000026BC	04287	03398 03400 04320															
RSTBLLEN	00001	000001ED	04320	03399															
RWPW	00001	00000D56	02244	02237															
R0	00001	00000000	04559	00826 00828 00860 00867 00868 00869 00870 00871 00872 00873 00874 00875 00876 00877 00878															
				00888 00889 00889 00890 00890 01078 01079 01085 01086 01092 01093 01099 01100 01106 01107															
				01113 01114 01129 01134 01139 01144 01151 01161 01178 01183 01185 01408 01420 02477 02615															
				02616 02783 03021 03024 03034 03295 03296 03306 03307 03369 03369 03371 03372 03377 03378															
				03534 03544															
R1	00001	00000001	04560	00796 00833 00844 00861 00935 00935 00937 01408 01420 01831 01833 01847 01889 01890 02609															
				02610 02610 02611 02614 02615 02616 02617 02617 02621 02624 02640 02652 02778 02782 02782															
				02783 02801 03009 03025 03289 03290 03334 03347 03368 03368 03370 03372 03373 03375 03376															
				03376 03378 03379 03519 03535 03536 03540 03542 03588 03604 03620 03636 03652 03668 03684															
				03700 03716 03732 03758 03790 03815 03840 03865 03889 03901 03913 03925 03937 03949 03961															
				03973 03985 03997															
R10	00001	0000000A	04569	00780 00790 00791															
R11	00001	0000000B	04570	00780 00791 00792 00792 00793															
R12	00001	0000000C	04571	00780 00789 00793 00794 00794 03034															
R13	00001	0000000D	04572	00789 00795 00840 00841 00842 00843 03009 03015 03033 03034															
R14	00001	0000000E	04573	00789 02664 02665 02666 02666 02667 02669 02670 02671 02671 02672 03033 03035 03523 03590															
				03606 03622 03638 03654 03670 03686 03702 03718 03734 03760 03792 03817 03842 03867 03891															
				03903 03915 03927 03939 03951 03963 03975 03987 03999															
R15	00001	0000000F	04574	00790 00795 00831 00831 00840 00842 00843 01452 01452 01460 01580 01580 01584 01618 01618															
				01622 01657 01657 01661 01693 01693 01697 01991 01992 02409 02410 02489 02489 02493 02568															
				02568 02572 02660 02667 02672 02674 02674 02823 02823 02827 02897 02910 02910 02914 03031															
				03043 03045 03047 03312 03312 03522 03523 03525 03527 03527 03531 03589 03590 03591 03591															
				03605 03606 03607 03607 03621 03622 03623 03623 03637 03638 03639 03639 03653 03654 03655															

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 18.53 04/12/20													
R2	00001	00000002	04561	03655	03669	03670	03671	03671	03685	03686	03687	03687	03701	03702	03703	03703	03717	03718
				03719	03719	03733	03734	03735	03735	03759	03760	03761	03761	03763	03791	03792	03793	03793
				03816	03817	03818	03818	03841	03842	03843	03843	03866	03867	03868	03868	03890	03891	03892
				03892	03902	03903	03904	03904	03914	03915	03916	03916	03926	03927	03928	03928	03938	03939
				03940	03940	03950	03951	03952	03952	03962	03963	03964	03964	03974	03975	03976	03976	03986
				03987	03988	03988	03998	03999	04000	04000								
				00796	00844	00861	01748	01750	01765	01768	01784	01784	01831	01832	01848	01868	01868	01869
				01872	01872	01879	01880	01889	01979	01980	02005	02032	02046	02121	02125	02127	02130	02130
				02165	02166	02199	02205	02362	02366	02367	02367	02555	02556	02557	02565	02591	02820	03291
				03292	03379													
R3	00001	00000003	04562	00897	00900	00901	00901	00937	00938	00941	00948	00949	01439	01440	01442	01443	01444	01445
				01446	01447	01498	01506	01508	01508	01567	01568	01570	01571	01572	01573	01574	01575	01604
				01605	01608	01609	01610	01611	01612	01613	01640	01641	01644	01647	01648	01649	01650	01651
				01652	01680	01681	01683	01684	01685	01686	01687	01688	01711	01712	01713	01722	01723	01724
				01733	01734	01735	01747	01751	01761	01761	01764	01770	01773	01785	01785	01833	01839	01842
				01847	01849	01904	01905	01918	01919	01933	01934	01947	01948	01961	01962	01975	01980	01981
				01984	01984	01998	02030	02035	02038	02038	02043	02122	02131	02164	02167	02198	02200	02204
				02206	02222	02223	02363	02365	02365	02366	02368	02368	02370	02408	02628	02629	02629	02630
				02634	02635	02635	02636	02639	02639	02640	02641	02642	02677	02715	02719	02737	02741	02782
				02846	02847	02852	02853	02858	02859	02860	02865	02866	02867	02872	02873	02946	02996	03266
R4	00001	00000004	04563	03267	03298	03299	03304	03305	03314	03330	03331	03332	03373	03392	03393	03393	03398	03399
				03399	03404	03467	03480	03489										
				00898	00902	00941	00942	00945	00945	00949	00950	00953	00958	00958	00973	01020	01022	01024
				01034	01034	01044	01044	01046	01048	01050	01052	01054	01056	01058	01060	01062	01064	01066
				01081	01088	01095	01102	01109	01116	01128	01128	01133	01133	01138	01138	01143	01143	01149
				01150	01150	01177	01177	01182	01182	01194	01196	01198	01199	01199	01215	01215	01217	01219
				01221	01234	01234	01243	01243	01245	01247	01251	01254	01254	01279	01280	01287	01293	01303
				01305	01307	01308	01308	01329	01351	01352	01354	01358	01360	01380	01383	01389	01389	01393
				01499	01506	01507	01507	01789	01792	01795	01795	01805	01808	01811	01811	01816	01819	01822
				01822	01976	01985	02031	02039	02123	02127	02128	02128	02360	02361	02652	02653	02778	02947
R5	00001	00000005	04564	02965	02966	02969	02990	02994	02994	03370	03371	03375	03377	03394	03400	03404	03406	03409
				03409	03410	03410	03411	03411	03418	03418	03419	03420	03420	03420	03428			
				00950	00951	00951	00954	00958	01483	01484	01501	01504	01509	01790	01796	01806	01812	01817
				01823	01977	01977	01981	01982	02033	02033	02035	02036	02159	02160	02174	02175	02179	02180
				02189	02190	02387	02402	02661	02675	02683	02683	02684	02685	02689	02689	02690	02691	02755
				02755	02756	02757	02761	02761	02762	02763	02767	02767	02768	02769	02959	02960	02961	02962
				02969	02970	02971	02972	02982	02985	02987	02993	03016	03031	03311	03335	03358	03415	03419
				03422	03424	03426	03430	03443	03444	03447	03447	03450	03450	03455	03460	03461	03468	03469
				03482	03486	03495	03502	03505	03506	03507	03547	03577	03578	03579	03580	03581	03582	03583
				03584	03585	03586	03597	03598	03599	03600	03601	03602	03613	03614	03615	03616	03617	03618
R6	00001	00000006	04565	03629	03630	03631	03632	03633	03634	03645	03646	03647	03648	03649	03650	03661	03662	03663
				03664	03665	03666	03677	03678	03679	03680	03681	03682	03693	03694	03695	03696	03697	03698
				03709	03710	03711	03712	03713	03714	03725	03726	03727	03728	03729	03730	03753	03754	03755
				03756	03781	03782	03783	03784	03785	03786	03787	03788	03810	03811	03812	03813	03835	03836
				03837	03838	03860	03861	03862	03863	03884	03885	03886	03887	03898	03899	03910	03911	03922
				03923	03934	03935	03946	03947	03958	03959	03970	03971	03982	03983	03994	03995		
				00942	00943	00943	00953	00954	00955	00969	01035	01068	01079	01086	01093	01100	01107	01114
				01161	01164	01185	01204	01206	01281	01282	01288	01294	01294	01295	01300	01301	01302	01302
				01303	01309	01309	01313	01319	01500	01501	01504	02281	02308	02335	02388	02394	02398	02401
				02401	02415	02702	02703	02704	02706	02707	02711	02712	02714	02724	02725	02726	02728	02729
R7	00001	00000007	04566	02733	02734	02736	03421	03422	03424	03442	03459	03483	03485	03494	03494			
				01008	01024	01025	01025	01191	01198	01200	01200	01283	01283	01284	01285	01296	01311	01311
				01312	01313	01314	01317	01318	01319	01320	01323	01323	01324	01325	01326	01327	01353	01355
				01356	01357	01359	01361	01362	01371	01381	01384	01391	01794	01810	01821	02277	02282	02287
				02304	02309	02314	02331	02336	02341	02484	02485	02486	02488	02662	02664	02669	02673	02673

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 18.53 04/12/20													
				02716 02717 02738 02739 02776 02891 02892 02893 02909 02939 02944 03073 03089 03105 03121														
				03137 03153 03169 03185 03256 03273 03319 03339 03381 03432 03511 03741 03768 03798 03823														
				03848 03873 04007														
R8	00001	00000008	04567	00969 00970 00971 01009 01010 01026 01026 01027 01192 01201 01202 01202 01369 01369 01370														
				01371 01376 01377 01378 01382 01385 01387 01390 01390 03485 03489 03491 03506														
R9	00001	00000009	04568	00833 00834 02971														
S#@	00004	000023CC	04181	02947 04186 04279														
S#@ENTL	00001	00000010	04186	04280														
S#@LEN	00001	000002F0	04279	04280														
S#@NUM	00001	0000002F	04280	02946														
S#@VAR	00001	000014BE	02951	02996														
S#@VARC	00001	000014FA	02968	02963														
S#@VARLN	00001	000014EE	02964	02953														
SAVEAREA	00004	00000000	09244	00841 03015														
SAVER15	00004	00000318	09404	03525														
SAVER3	00004	00000320	09406	02715 02719 02737 02741														
SAVETB	00001	00001D7A	03830	02891														
SAVETBX	00001	00001DAE	03847	03844														
SETML1	00001	000018DE	03391	02944														
SETML2	00001	000018F4	03397	02939														
SETVAR	00001	00001A3C	03518	02993														
SETVARXT	00001	00001A8A	03546	03528 03543														
SINGLVOL	00001	0000070C	01529	01521														
SNN	00002	0000036C	09424	02945 02955 02974 02976 02995														
SNNC	00003	0000036E	09425	02957 02958 02959														
SNNUPK	00003	00000371	09426	02955 02956 02958														
SPCUSEDX	00001	00000A14	01867	01862 01864														
SPCUSEDX	00001	00000A48	01893	01866														
SPN#S	00001	00000BCE	02080	02078														
SPNCHRXT	00001	00000BD2	02082	02079														
SRTEASCI	00001	00000004	08482	08483														
SRTEBSTR	00001	00000004	08481	08484														
SSPC#ABS	00001	00000CBC	02186	02155														
SSPC#BLK	00001	00000CD8	02195	02154														
SSPC#CYL	00001	00000C58	02156	02148														
SSPC#TRK	00001	00000C8E	02171	02151														
SSPCXT	00001	00000D0E	02210	02170 02183 02194 02209														
SUMEXTXT	00001	000009D6	01825	01783 01793 01801 01809 01820														
TBADD	00008	00002B68	04434	03808 03808 03810														
TBCLOSE	00008	00002B80	04437	03858 03858 03860														
TBCREATE	00008	00002B60	04433	03778 03778 03781														
TBERASE	00008	00002B70	04435	03751 03751 03753														
TBLDSOB	00002	00000B4C	02011	01975 02013 02018														
TBLDSOE	00001	00000005	02018	01976														
TBLDSOL	00001	00000006	02013	01984 02018														
TBLRFM1B	00002	00000BA8	02051	02030 02053 02056														
TBLRFM1E	00001	00000003	02056	02031														
TBLRFM1L	00001	00000002	02053	02038 02043 02056														
TBN	00008	000002B6	09378	00995 02462 03755 03765 03765 03783 03795 03795 03812 03820 03820 03837 03845 03845 03862														
				03870 03870														
TBSAVE	00008	00002B78	04436	03833 03833 03835														
TCB	00001	00000020	06147	01357 06833														
TCBDARPN	00001	00000040	06473	06475														
TCBDARTN	00001	00000080	06470	06472														
TCBFIX	00001	00000000	06135	06142														

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 18.53 04/12/20
TCBMNLEN	00001	00000128	06833	06904	
TCBPXLEN	00001	00000020	06142	06904	
TCBTIO	00004	0000002C	06160	01358	
TCBXTNT2	00001	00000000	06838	06902	
TCBX2LEN	00001	00000020	06902	06904	
TIOEDDNM	00008	0000001C	06995	01367	
TIOEJFCB	00003	00000024	06996	01375	
TIOELNGH	00001	00000018	06952	01364 01370	
TIOENTRY	00001	00000018	06951	01361 01362	
TIOT	00001	00000000	06911	01360	
TMDSORG	00004	00000B48	02005	01982	
TMDSRFM1	00004	00000BA4	02046	02036	
TOKEN	00004	000021E0	04114	00877	
TOTEXTS	00001	000018BC	03367	01794 01810 01821	
TOTUSED	00001	00000A26	01878	01871	
TRKLEN	00004	00000344	09413	01734 01750 01764	
TRKSCYL	00004	00000340	09412	01723 01748 01832 01848 02166	
TRKSTOTA	00004	00000348	09414	01842 02174 02189 02198	
TSVEUPDT	00001	00000002	04552	04113	
TTRKUSED	00004	0000034C	09415	01865 01865 01879 02164 02179 02204	
UAMCHGDT	00004	00000014	09214	02723 02732	
UAMCHGSS	00001	0000000F	09207	02750	
UAMCHGTM	00002	00000018	09219	02743	
UAMCREDT	00004	00000010	09209	02701 02710	
UAMCURR	00002	0000001A	09222	02756	
UAMINIT	00002	0000001C	09224	02762	
UAMMEM	00008	00000000	09189	02658	
UAMMLVL	00001	0000000D	09196	02690	
UAMMOD	00002	0000001E	09226	02768	
UAMTTR	00003	00000008	09190	02661 02662	
UAMUID	00007	00000020	09228	02773	
UAMVLVL	00001	0000000C	09195	02684	
UCB	00001	00000000	07914	02363	
UCBALOC	00001	00000008	08100	08296	
UCBBALB	00001	00000020	08339	08478	
UCBBNUL	00001	00000001	08349	08485	
UCBBPRV	00001	00000010	08341	08479	
UCBBPUB	00001	00000008	08342	08480	
UCBBSTR	00001	00000004	08343	08481 08482	
UCBBSVL	00001	00000080	08323	08477	
UCBBSY	00001	00000080	08117	08118	
UCBCHGS	00001	00000040	08090	08293	
UCBCUB	00001	00000008	08124	08125	
UCBDADI	00001	00000001	08106	08299	
UCBDEV	00001	00000018	08306	08312 08426 08500 08517 08539 08633 08646 08678	
UCBDMCT	00001	00000023	08358	08486	
UCBFLA	00001	00000006	08115	08116	
UCBFL1	00001	00000006	08116	08300	
UCBFSC	00002	00000018	08433	08487	
UCBFSEQ	00002	0000001A	08434	08488	
UCBJBNR	00001	00000000	08029	02372 08289	
UCBMONT	00001	00000001	08050	08290	
UCBNRY	00001	00000040	08119	08120	
UCBONLI	00001	00000080	08089	02374 08292	
UCBPRES	00001	00000004	08101	08297	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 18.53 04/12/20
UCBPST	00001	00000020	08121	08122	
UCBRESV	00001	00000020	08095	08294	
UCBSCAN	00001	00000E8E	02364	02369 02373 02375 02377	
UCBSTAB	00001	00000022	08322	08476	
UCBSTAT	00001	00000003	08088	02374 08291	
UCBSYSR	00001	00000002	08103	08298	
UCBUNLD	00001	00000010	08097	08295	
UCBUNTYP	00001	00000013	08250	02394	
UCBUSER	00001	00000026	08410	08489	
UCBVOLI	00006	0000001C	08321	02376 08475	
UCBVRDEV	00001	00000080	08030	02372	
UPPERC	00006	000001CC	00973	00971	
UPPERCX	00001	000001D2	00974	00972	
UPT	00001	00000000	09033	01282 09052	
UPTPREFL	00001	00000017	09050	01284	
UPTPREFIX	00007	00000010	09049	01286	
V#@	00001	00002200	04127	04175	
VALIAS	00015	00002368	04165	04225 04225	
VALLOC	00008	000023C2	04174	04277 04277	
VALL1	00004	00000070	09282	00875 02987 02990	
VALP1	00004	0000006C	09281	00873 02972	
VARDEFS	00001	00001A8C	03573	02484	
VARDELS	00001	00001DE6	03880	02893	
VBLKSZ	00010	00002237	04134	04207 04207	
VBLKTRK	00010	00002319	04158	04257 04257	
VCCVOL	00009	000022FD	04155	04243 04243	
VCREDT	00009	00002263	04139	04195 04195	
VCREDTC	00010	0000229E	04145	04259 04259	
VCREDTJ	00010	0000227F	04142	04247 04247	
VDEFINE	00008	00002B50	04431	03576 03576 03577	
VDEF10	00001	00001C88	03723	03720	
VDEF11	00001	00001CBE	03739	03736	
VDEF2	00001	00001AD8	03595	03592	
VDEF3	00001	00001B0E	03611	03608	
VDEF4	00001	00001B44	03627	03624	
VDEF5	00001	00001B7A	03643	03640	
VDEF6	00001	00001BB0	03659	03656	
VDEF7	00001	00001BE6	03675	03672	
VDEF8	00001	00001C1C	03691	03688	
VDEF9	00001	00001C52	03707	03704	
VDELETE	00008	00002B58	04432	03883 03883 03884	
VDEL10	00001	00001F4A	03992	03989	
VDEL11	00001	00001F70	04004	04001	
VDEL2	00001	00001E1A	03896	03893	
VDEL3	00001	00001E40	03908	03905	
VDEL4	00001	00001E66	03920	03917	
VDEL5	00001	00001E8C	03932	03929	
VDEL6	00001	00001EB2	03944	03941	
VDEL7	00001	00001ED8	03956	03953	
VDEL8	00001	00001EFE	03968	03965	
VDEL9	00001	00001F24	03980	03977	
VDIRBKSA	00010	0000238C	04168	04217 04217	
VDIRBKSN	00011	00002381	04167	04221 04221	
VDIRBKSU	00010	00002377	04166	04219 04219	
VDSCAT	00008	00002396	04169	04267 04267	

SYMBOL	LEN	VALUE	DEFN	REFERENCES												ASM 0201 18.53 04/12/20											
VDSCATV	00009	0000239E	04170	04269	04269																						
VDSN	00009	00002200	04128	04184	04184																						
VDSORG	00008	00002253	04137	04201	04201																						
VEXPDT	00009	0000226C	04140	04197	04197																						
VEXPDTC	00010	000022A8	04146	04261	04261																						
VEXPDTJ	00010	00002289	04143	04249	04249																						
VEXTS	00010	000022E9	04153	04235	04235																						
VJMSG	00013	00002351	04163	04187	04187																						
VKEYL	00009	00002241	04135	04209	04209																						
VKEYP	00009	0000224A	04136	04211	04211																						
VLRECL	00008	0000222F	04133	04205	04205																						
VMEMS	00010	0000235E	04164	04223	04223																						
VMSGL1	00010	00002212	04130	04191	04191																						
VMSGL2	00010	0000221C	04131	04193	04193																						
VNUMVOL	00010	000022F3	04154	04265	04265																						
VOLLST	00001	000006D0	01505	01502	01503	01509																					
VOL00	00001	000003F2	01193	01204																							
VOL00A	00004	00000420	01206	01203																							
VPASSWD	00011	000022BD	04148	04213	04213																						
VPSPCAL	00010	000023A7	04171	04271	04271																						
VPSPCUS	00007	000023B1	04172	04273	04273																						
VRACF	00008	000022C8	04149	04215	04215																						
VRECFM	00008	0000225B	04138	04203	04203																						
VREFDT	00010	00002275	04141	04199	04199																						
VREFDTC	00011	000022B2	04147	04263	04263																						
VREFDTJ	00011	00002293	04144	04251	04251																						
VRSCODE	00009	00002209	04129	04189	04189																						
VSSPC	00008	000022D0	04150	04231	04231																						
VSSPCNM	00010	000022D8	04151	04239	04239																						
VTKAL	00012	0000232D	04160	04237	04237																						
VTKUS	00011	00002339	04161	04233	04233																						
VTKUUS	00013	00002344	04162	04241	04241																						
VTRKLEN	00009	00002310	04157	04253	04253																						
VTTCC	00010	00002306	04156	04245	04245																						
VUNIT	00007	000022E2	04152	04229	04229																						
VUNITCAP	00010	00002323	04159	04255	04255																						
VVOL	00009	00002226	04132	04227	04227																						
VVOLLST	00010	000023B8	04173	04275	04275																						
WRPW	00001	00000D4C	02241	02235																							
WSAREA	00001	00000000	09239	09707																							
WSAREAE	00001	00000918	09706	09707																							
WSAREAL	00001	00000918	09707	00826	03021																						
WSDSECT	00001	00000000	09238	00834																							
Y2KWIN	00004	000021FC	04121	03444																							
ZEROCL11	00011	000021C5	04105	02273	02275	02276	02300	02302	02303	02327	02329	02330															

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 18.53 04/12/20
=256X'40'					
	00001	00001F78	04011	00973	
=C'DIRLST'					
	00008	00002078	04012	00995	
=C'LOCATE'					
	00008	00002080	04013	01463	
=C'CYLINDER'					
	00008	00002088	04014	02157	
=C'TRACK'					
	00008	00002090	04015	02172	
=C'ABSOLUTE'					
	00008	00002098	04016	02187	
=C'BLOCK'					
	00008	000020A0	04017	02196	
=8X'FF'	00001	000020A8	04018	02621	
=CL8'SYSALLDA'					
	00008	000020B0	04019	03308	
=C'					
	00008	000020B8	04020	04006	
=F'0'	00004	000020C0	04021	00908	
=F'44'	00004	000020C4	04022	01314	
=F'16'	00004	000020C8	04023	01377	01465 01526 01538 01543 02901 03051 03056 03061 03066 03201 03206 03211
=F'00'	00004	000020CC	04024	01423	
=F'1'	00004	000020D0	04025	01765	02165
=C'NONE'	00004	000020D4	04026	02257	
=C'RACF'	00004	000020D8	04027	02260	
=X'0000FFFF'					
	00004	000020DC	04028	02370	
=F'04'	00004	000020E0	04029	02497	02576 02831 02918
=F'31'	00004	000020E4	04030	02641	
=F'15'	00004	000020E8	04031	02665	
=F'30'	00004	000020EC	04032	02677	
=F'4'	00004	000020F0	04033	03043	
=F'8'	00004	000020F4	04034	03045	03763
=F'12'	00004	000020F8	04035	03047	
=F'4004'	00004	000020FC	04036	03072	
=F'4005'	00004	00002100	04037	03088	
=F'4008'	00004	00002104	04038	03104	
=F'4009'	00004	00002108	04039	03120	
=F'4010'	00004	0000210C	04040	03136	
=F'4097'	00004	00002110	04041	03152	
=F'4098'	00004	00002114	04042	03168	
=F'4099'	00004	00002118	04043	03184	
=F'18'	00004	0000211C	04044	03536	
=C'00'	00002	00002120	04045	00907	00910 01424
=H'4'	00002	00002122	04046	00955	
=H'8'	00002	00002124	04047	01348	
=C'99'	00002	00002126	04048	01422	
=C'05'	00002	00002128	04049	01464	
=C'16'	00002	0000212A	04050	01466	01527 01539 01544 02902 03052 03057 03062 03067 03202 03207 03212
=X'0001'	00002	0000212C	04051	01520	
=X'0000'	00002	0000212E	04052	01522	
=C'19'	00002	00002130	04053	01525	
=C'26'	00002	00002132	04054	01537	
=C'06'	00002	00002134	04055	01542	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 18.53 04/12/20
=H'0'	00002	00002136	04056	01762	
=C'DSORG Type'	00010	00002138	04057	01988	
=C'DeviceType'	00010	00002142	04058	02406	
=C'PO'	00002	0000214C	04059	02456	
=C'NO ISPLINK SUPPORT'	00018	0000214E	04060	02481	
=C'02'	00002	00002160	04061	02496	02917
=C'04'	00002	00002162	04062	02498	02577 02832 02919
=C'13'	00002	00002164	04063	02575	02830
=C'17'	00002	00002166	04064	02900	
=X'9000'	00002	00002168	04065	02970	
=C'21'	00002	0000216A	04066	03050	
=C'22'	00002	0000216C	04067	03055	
=C'24'	00002	0000216E	04068	03060	
=C'23'	00002	00002170	04069	03065	
=C'28'	00002	00002172	04070	03200	
=C'29'	00002	00002174	04071	03205	
=C'90'	00002	00002176	04072	03210	
=C'??'	00002	00002178	04073	03414	
=H'59'	00002	0000217A	04074	03469	
=P'100'	00002	0000217C	04075	03473	
=P'400'	00002	0000217E	04076	03476	
=H'2'	00002	00002180	04077	03486	
=C'001'	00003	00002182	04078	01563	
=C'1'	00001	00002185	04079	01587	
=C'2'	00001	00002186	04080	01625	
=C'3'	00001	00002187	04081	01664	
=C'4'	00001	00002188	04082	01700	
=C'NONE '	00005	00002189	04083	02239	
=C'WRITE'	00005	0000218E	04084	02242	
=C'R_W '	00005	00002193	04085	02245	
=X'000000'	00003	00002198	04086	02279	02306 02333
=P'+0'	00001	0000219B	04087	02945	
=P'+3'	00001	0000219C	04088	02974	
=P'+4'	00001	0000219D	04089	02976	
=P'+1'	00001	0000219E	04090	02995	
=P'0'	00001	0000219F	04091	03474	03477

ASM 0201 18.53 04/12/20

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	4653
--------------------------------------	------

TOTAL RECORDS READ FROM SYSTEM LIBRARY	13790
--	-------

TOTAL RECORDS PUNCHED	214
-----------------------	-----

TOTAL RECORDS PRINTED	10742
-----------------------	-------

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

IEW0000 ALIAS LISTDSI
IEW0000 NAME LISTDSJ(R)

CROSS REFERENCE TABLE

CONTROL SECTION			ENTRY							
NAME	ORIGIN	LENGTH	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION
LISTDSJ	00	2CD8								

LOCATION REFERS TO SYMBOL IN CONTROL SECTION LOCATION REFERS TO SYMBOL IN CONTROL SECTION

ENTRY ADDRESS 00

TOTAL LENGTH 2CD8
****LISTDSJ NOW REPLACED IN DATA SET
****LISTDSI IS AN ALIAS FOR THIS MEMBER
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 - LISTDSI LB1020

)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/
/* Copyright (C) 2019-2020 Larry Belmontes, Jr.
/*
/*
/* 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. */ LB1010
/* ADD SYSALLOC to CLIST */ LB1010
/* LB1010
/* 04/29/2019 1.0.00 LARRY BELMONTES JR. */
/* INITIAL VERSION RELEASED TO MVS 3.8JHOBBYIST */
/* PUBLIC DOMAIN */
/*
/*
/*****
```

```
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 <YP EQ 2 THEN -

DO

/* 2 - CONDENSED FORM */

```
WRITE SYSLISTDSJMSG='&SYSLISTDSJMSG'
SET WLINE = &STR(RC='&RC')
SET WLINE = &STR(&WLINE SYSMSGLVL1='&SYSMSGLVL1'
WRITE &WLINE
SET WLINE = &STR(SYSREASON='&SYSREASON')
SET WLINE = &STR(&WLINE SYSMSGLVL2='&SYSMSGLVL2'
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     ='2020-103'
```

```
17. SYSJREFDATE    ='20103'
```

```
18. SYSCREFDATE    ='2020-04-13'
```

```
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. SYMSGVLVL1     ='SUCCESSFUL REQUEST'
```

```
34. SYMSGVLVL2     ='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='20103'
SYSCREATE='1974-194' SYSEXDATE='0000-000' SYSREFDATE='2020-103'
SYSCCREATE='1974-07-13' SYSCEXDATE='0000-00-00' SYSCREFDATE='2020-04-13'
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 2020-04-13  CATL: Y
      74194 1974-194    00000 0000-000    20103 2020-103  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 2020-04-13  CATL: Y
      74194 1974-194    00000 0000-000    20103 2020-103  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 V1.0.20 04102020 04/12/20 - 18.53 COPYRIGHT (C) 2019-2020 LARRY BELMONTES, JR. HTT'
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. SYMSGVL1	= 'SUCCESSFUL REQUEST'
34. SYMSGVL2	= '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 = '016'

13. SYSCREATE = '2017-343'

14. SYSJCREATE = '17343'

15. SYSCCREATE = '2017-12-09'

16. SYSREFDATE = '2020-103'

17. SYSJREFDATE = '20103'

18. SYSCREFDATE = '2020-04-13'

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 = '00525'

37. SYSTRKSUSED = '00338'

38. SYSTRKSUNUSED = '00187'

39. SYSUNITCAP = '000000112792500'

40. SYSNUMVOLS = '001'

41. SYSDSCAT = 'Y'

42. SYSDSCATV = 'PUB005'

43. SYSPRIMARY = '00035'

44. SYSUSED = '00022'

45. SYSVOLUMES = 'PUB005'

46. SYSALLOC = '00035'

END

