J E S 2   J O B   L O G   ——   S Y S T E M   8 5 6 1 ——   N O D E   S V S C J E S 2

09.48.59 JOB04387 **———— FRIDAY,   22 NOV 2024 ————**
09.48.59 JOB04387 IRR010I USERID KC03F2A IS ASSIGNED TO THIS JOB.
09.49.01 JOB04387 ICH70001I KC03F2A LAST ACCESS AT 09:37:48 ON FRIDAY, NOVEMBER 22, 2024
09.49.01 JOB04387 $HASP373 CMINQF2A STARTED — INIT 1   — CLASS A — SYS 8561
09.49.03 JOB04387 IEF764I CMINQF2A COMPLI COBOL DFHAPIR DFHEIMOD PARMLIB READ FAILED — MEMBER DFHAPIR NOT FOUND.
09.49.04 JOB04387 IEF764I CMINQF2A COMPLI COBOL DFHAPIR DFHEIMOD PARMLIB READ FAILED — MEMBER DFHAPIR NOT FOUND.
09.49.06 JOB04387 —   ————— **TIMINGS (MINS.)——————   —————PAGING COUNTS————**
09.49.06 JOB04387 —STEPNAME PROCSTEP   RC   EXCP   CONN   TCB   SRB CLOCK   SERV WORKLOAD PAGE SWAP   VIO SWAPS
09.49.06 JOB04387 —COMPLI   COBOL   00 13117   194   .00   .00   .0   120 BATCH   0   0   0   0
09.49.06 JOB04387 —COMPLI   COPYLINK   00   23   2   .00   .00   .0   3 BATCH   0   0   0   0
09.49.07 JOB04387 —COMPLI   LKED   00   286   28   .00   .00   .0   51 BATCH   0   0   0   0
09.49.07 JOB04387 —CMINQF2A ENDED. NAME—   TOTAL TCB CPU TIME=   .00 TOTAL ELAPSED TIME=   .0
09.49.07 JOB04387 $HASP395 CMINQF2A ENDED — RC=0000
—————— JES2 JOB STATISTICS ——————
  22 NOV 2024 JOB EXECUTION DATE
          17 CARDS READ
       2,604 SYSOUT PRINT RECORDS
           0 SYSOUT PUNCH RECORDS
         174 SYSOUT SPOOL KBYTES
        0.12 MINUTES EXECUTION TIME
        1 //CMINQF2A JOB
JOB04387
        //*
        2 //CICSPROC JCLLIB ORDER=(KC03F2A.DCMAFD02.PROCLIB)

```
        //*
        //
********************************************************************
**
        //*              TRANSLATE COMPILE
        //*              AND LINK A CICS COBOL PROGRAM
        //
********************************************************************
**
      3 //COMPLI    EXEC DFHZITCL,
        //               PROGLIB=TSOECCC.CICSTS12.STUDENT.LOADLIB,
        //               PROGSRC=KC03F2A.DCMAFD02.A5P1.COBOL,
        //               PROGMBR=CMINQF2A,
        //
CPYLIBWS=KC03F2A.DCMAFD02.COPYBOOK.WS.COBOL,
        //
CPYLIBPR=KC03F2A.DCMAFD02.COPYBOOK.PR.COBOL
      4 XXDFHZITCL PROC LNGPRFX='IGY630',    Qualifier for COBOL
compiler *
        XX         LIBPRFX='CEE',            Qualifier for LE/390
        XX         INDEX='DFH610.CICS',      Qualifier(s) for
CICS libraries *
        XX         PROGLIB=,                 Name of appl load
library *
        XX         PROGSRC=,                 Name of appl source
library *
        XX         PROGMBR=,                 Name of member in
source library *
        XX         DSCTLIB='DFH610.CICS.SDFHCOB',  Private macro/
dsect *
        XX         OUTC=*,                   Class for print
output
        XX         REG=0M,                   Region size for all
steps
        XX         CBLPARM=('NODYNAM,RENT',  Compiler options
        XX           'CICS(''COBOL3,SP'')'),  Translator options *
        XX         LNKPARM='LIST,XREF,RENT,MAP', Binder options
        XX         WORK=SYSDA                Unit for work
datasets
```

```
XX*************************************************************
****
          XX*
*
          XX*
*
          XX*
*
          XX*      Licensed Materials - Property of IBM
*
          XX*
*
          XX*      5655-Y04
*
          XX*
*
          XX*      (C) Copyright IBM Corp. 2001, 2014 All Rights
Reserved.      *
          XX*
*
          XX*
*
          XX*
*
          XX*
*
          XX* STATUS = 7.2.0
*
          XX*
*
          XX* CHANGE ACTIVITY :
*
          XX*
*
          XX* $MOD(DFHZITCL),COMP(COMMAND),PROD(CICS TS )
*
          XX*
*
```

```
          XX*  PN= REASON REL YYMMDD HDXXIII : REMARKS
*
          XX* $01= A84313 640 040604 HDBGNRB : Migrate PQ84313 from
SPA R630    *
          XX* $L0= Base   620 011211 HD7OPW  : Base
*
          XX* $P1= D04451 630 030307 HD4PALS : remove sdfhc370
reference       *
          XX* $P2= D08934 630 030919 HD3SCWG : DFHEILID now in
SDFHSAMP       *
          XX* $P3= D12714 640 041230 HD6KRAH : Compiler level
*
          XX* $P4= D07074 670 091019 HD4PALT : remove PDSE
reference          *
          XX*     D85873 690 140226 HDLHJJH : Compiler level 5.1
and 4.2     *
          XX*     R144470 720 171101 HDFVGMB : Remove LIB as a
compile option   *

XX*******************************************************************
****
          XX*
*
          XX* 2023-May-1 local changes - GCO
*
          XX*
*
          XX* - changed LNGPRFX='SYS1' to LNGPRFX='IGY630'
*
          XX* - changed CICSSTS5.CICS to DFH550.CICS
*
          XX* - changed CICSSTS5.CICS.SDFHCOB to
DFH550.CICS.SDFHCOB           *
          XX* - added parameters PROGSRC, PROGMBR
*
          XX* - changed REG=200M to REG=0M
*
          XX* - deleted SIZE(4000K) from CBLPARM
*
```

```
          XX* - added SP to CBLPARM
*
          XX* - added DD DSN=&PROGSRC,DISP=SHR to COBOL SYSLIB
*
          XX*
*

XX******************************************************************
****
          XX*
          XX*    This procedure uses the Enterprise COBOL compiler
and its
          XX*    integrated CICS translator to generate a COBOL
module
          XX*    into an application load library.
          XX*
          XX*
          XX*       This procedure contains 3 steps:
          XX*       1.   Exec the COBOL compiler and integrated
translator
          XX*       2.   Reblock DFHEILID for use by the binder step
          XX*       3.   Bind the output into dataset &PROGLIB
          XX*
          XX*       The following JCL should be used
          XX*       to execute this procedure
          XX*
          XX*       //APPLPROG EXEC DFHZITCL,
          XX*            PROGLIB=dsnname-of-loadlib,
          XX*            PROGSRC=dsnname-of-source-pds,
          XX*            PROGMBR=member-name-of-program,
          XX*            CPYLIBWS=dsname-of-ws-copy-lib,
          XX*            CPYLIBPR=dsname-of-source-copy-libs
          XX*       //COBOL.SYSIN  DD *
          XX*          .
          XX*          . Application program
          XX*          .
          XX*       /*
          XX*       //LKED.SYSIN DD *
          XX*          NAME anyname(R)
```

```
        XX*       /*
        XX* OR
        XX*       //APPLPROG EXEC DFHZITCL,
        XX*             PROGLIB=dsnname-of-loadlib,
        XX*             PROGSRC=dsnname-of-source-pds,
        XX*             PROGMBR=member-name-of-program,
        XX*             CPYLIBWS=dsname-of-ws-copy-lib,
        XX*             CPYLIBPR=dsname-of-source-copy-libs
        XX*       //* NAME OF PROGRAM AND MEMBER TO TRANSLATE/
COMPILE/LKED
        XX*       //COBOL.SYSIN DD DSN=&PROGSRC(&PROGMBR),DISP=SHR
        XX*       /*
        XX*
        XX*       Where   anyname   is the name of your
application program.
        XX*       (Refer to the application programming guide for
full details,
        XX*       including what to do if your program contains
calls to
        XX*       the common programming interface.)
        XX*
        XX*       Note:
        XX*       The compiler LIB option is no longer required
when using
        XX*       COBOL 5 and later and has been removed from the
CBLPARM.
        XX*       For earlier versions of COBOL this option must
be manually
        XX*       reinstated.
        XX*
     5 XXCOBOL  EXEC PGM=IGYCRCTL,REGION=&REG,
        XX            PARM=&CBLPARM
        IEFC653I SUBSTITUTION JCL -
PGM=IGYCRCTL,REGION=0M,PARM=('NODYNAM,RENT','CICS(''COBOL3,SP'')')
     6 XXSTEPLIB  DD DSN=&LNGPRFX..SIGYCOMP,DISP=SHR
        IEFC653I SUBSTITUTION JCL - DSN=IGY630.SIGYCOMP,DISP=SHR
     7 XX          DD DSN=&INDEX..SDFHLOAD,DISP=SHR
        IEFC653I SUBSTITUTION JCL -
DSN=DFH610.CICS.SDFHLOAD,DISP=SHR
```

```
         8 XXSYSLIB    DD DSN=&DSCTLIB,DISP=SHR
           IEFC653I SUBSTITUTION JCL -
DSN=DFH610.CICS.SDFHCOB,DISP=SHR
         9 XX          DD DSN=&PROGSRC,DISP=SHR
           IEFC653I SUBSTITUTION JCL -
DSN=KC03F2A.DCMAFD02.A5P1.COBOL,DISP=SHR
        10 XX          DD DSN=&CPYLIBWS,DISP=SHR
           IEFC653I SUBSTITUTION JCL -
DSN=KC03F2A.DCMAFD02.COPYBOOK.WS.COBOL,DISP=SHR
        11 XX          DD DSN=&CPYLIBPR,DISP=SHR
           IEFC653I SUBSTITUTION JCL -
DSN=KC03F2A.DCMAFD02.COPYBOOK.PR.COBOL,DISP=SHR
        12 XX          DD DSN=&INDEX..SDFHCOB,DISP=SHR
           IEFC653I SUBSTITUTION JCL -
DSN=DFH610.CICS.SDFHCOB,DISP=SHR
        13 XX          DD DSN=&INDEX..SDFHMAC,DISP=SHR
           IEFC653I SUBSTITUTION JCL -
DSN=DFH610.CICS.SDFHMAC,DISP=SHR
        14 XX          DD DSN=&INDEX..SDFHSAMP,DISP=SHR
           IEFC653I SUBSTITUTION JCL -
DSN=DFH610.CICS.SDFHSAMP,DISP=SHR
        15 XXSYSPRINT DD SYSOUT=&OUTC
           IEFC653I SUBSTITUTION JCL - SYSOUT=*
        16 XXSYSLIN    DD DSN=&&LOADSET,DISP=(MOD,PASS),
           XX             UNIT=&WORK,SPACE=(TRK,(3,3))
           IEFC653I SUBSTITUTION JCL -
DSN=&&LOADSET,DISP=(MOD,PASS),UNIT=SYSDA,SPACE=(TRK,(3,3))
        17 XXSYSUT1    DD UNIT=&WORK,SPACE=(CYL,(1,1))
           IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(1,1))
        18 XXSYSUT2    DD UNIT=&WORK,SPACE=(CYL,(1,1))
           IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(1,1))
        19 XXSYSUT3    DD UNIT=&WORK,SPACE=(CYL,(1,1))
           IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(1,1))
        20 XXSYSUT4    DD UNIT=&WORK,SPACE=(CYL,(1,1))
           IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(1,1))
        21 XXSYSUT5    DD UNIT=&WORK,SPACE=(CYL,(1,1))
           IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(1,1))
        22 XXSYSUT6    DD UNIT=&WORK,SPACE=(CYL,(1,1))
           IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(1,1))
```

```
 23 XXSYSUT7    DD UNIT=&WORK,SPACE=(CYL,(1,1))
    XX** Additional datasets needed for 5.1 compiler **
    IEFC653I SUBSTITUTION JCL – UNIT=SYSDA,SPACE=(CYL,(1,1))
 24 XXSYSUT8    DD UNIT=&WORK,SPACE=(CYL,(1,1))
    IEFC653I SUBSTITUTION JCL – UNIT=SYSDA,SPACE=(CYL,(1,1))
 25 XXSYSUT9    DD UNIT=&WORK,SPACE=(CYL,(1,1))
    IEFC653I SUBSTITUTION JCL – UNIT=SYSDA,SPACE=(CYL,(1,1))
 26 XXSYSUT10   DD UNIT=&WORK,SPACE=(CYL,(1,1))
    IEFC653I SUBSTITUTION JCL – UNIT=SYSDA,SPACE=(CYL,(1,1))
 27 XXSYSUT11   DD UNIT=&WORK,SPACE=(CYL,(1,1))
    IEFC653I SUBSTITUTION JCL – UNIT=SYSDA,SPACE=(CYL,(1,1))
 28 XXSYSUT12   DD UNIT=&WORK,SPACE=(CYL,(1,1))
    IEFC653I SUBSTITUTION JCL – UNIT=SYSDA,SPACE=(CYL,(1,1))
 29 XXSYSUT13   DD UNIT=&WORK,SPACE=(CYL,(1,1))
    IEFC653I SUBSTITUTION JCL – UNIT=SYSDA,SPACE=(CYL,(1,1))
 30 XXSYSUT14   DD UNIT=&WORK,SPACE=(CYL,(1,1))
    IEFC653I SUBSTITUTION JCL – UNIT=SYSDA,SPACE=(CYL,(1,1))
 31 XXSYSUT15   DD UNIT=&WORK,SPACE=(CYL,(1,1))
    IEFC653I SUBSTITUTION JCL – UNIT=SYSDA,SPACE=(CYL,(1,1))
 32 XXSYSMDECK DD UNIT=&WORK,SPACE=(CYL,(1,1))
    XX** End of additional dataset needed for 5.1 compiler **
    XX*
    IEFC653I SUBSTITUTION JCL – UNIT=SYSDA,SPACE=(CYL,(1,1))
 33 //COBOL.SYSIN DD DSN=&PROGSRC(&PROGMBR),DISP=SHR
    IEFC653I SUBSTITUTION JCL –
DSN=KC03F2A.DCMAFD02.A5P1.COBOL(CMINQF2A),DISP=SHR
 34 XXCOPYLINK EXEC PGM=IEBGENER,COND=(7,LT,COBOL)
 35 XXSYSUT1    DD DSN=&INDEX..SDFHSAMP(DFHEILID),DISP=SHR
    IEFC653I SUBSTITUTION JCL –
DSN=DFH610.CICS.SDFHSAMP(DFHEILID),DISP=SHR
 36 XXSYSUT2    DD DSN=&&COPYLINK,DISP=(NEW,PASS),
    XX             DCB=(LRECL=80,BLKSIZE=400,RECFM=FB),
    XX             UNIT=&WORK,SPACE=(400,(20,20))
    IEFC653I SUBSTITUTION JCL –
DSN=&&COPYLINK,DISP=(NEW,PASS),DCB=(LRECL=80,BLKSIZE=400,RECFM=FB),
UNIT=SYSDA,
    SPACE=(400,(20,20))
 37 XXSYSPRINT DD SYSOUT=&OUTC
    IEFC653I SUBSTITUTION JCL – SYSOUT=*
```

```
     38 XXSYSIN    DD DUMMY
        XX*
     39 XXEX1  EXPORT SYMLIST=*
     40 XX SET PGM=&PROGMBR
        IEFC653I SUBSTITUTION JCL – PGM=CMINQF2A
     41 XXPGM       EXPORT EXPSET=CMINQF2A
GENERATED STATEMENT
        XX*
     42 XXLKED   EXEC PGM=IEWL,REGION=&REG,
        XX            PARM='&LNKPARM',COND=(7,LT,COBOL)
        IEFC653I SUBSTITUTION JCL –
PGM=IEWL,REGION=0M,PARM='LIST,XREF,RENT,MAP',COND=(7,LT,COBOL)
     43 XXSYSLIB   DD DSN=&INDEX..SDFHLOAD,DISP=SHR
        IEFC653I SUBSTITUTION JCL –
DSN=DFH610.CICS.SDFHLOAD,DISP=SHR
     44 XX         DD DSN=&LIBPRFX..SCEELKED,DISP=SHR
        IEFC653I SUBSTITUTION JCL – DSN=CEE.SCEELKED,DISP=SHR
     45 XXSYSLMOD  DD DSN=&PROGLIB,DISP=SHR
        IEFC653I SUBSTITUTION JCL –
DSN=TSOECCC.CICSTS12.STUDENT.LOADLIB,DISP=SHR
     46 XXSYSUT1   DD UNIT=&WORK,DCB=BLKSIZE=1024,
        XX            SPACE=(1024,(200,20))
        IEFC653I SUBSTITUTION JCL –
UNIT=SYSDA,DCB=BLKSIZE=1024,SPACE=(1024,(200,20))
     47 XXSYSPRINT DD SYSOUT=&OUTC
        IEFC653I SUBSTITUTION JCL – SYSOUT=*
     48 XXSYSLIN   DD DSN=&&COPYLINK,DISP=(OLD,DELETE)
     49 XX         DD DSN=&&LOADSET,DISP=(OLD,DELETE)
     50 XX         DD DDNAME=SYSIN
     51 XXSYSIN    DD *,SYMBOLS=(EXECSYS)
        XX*
     52 XXPGM       EXPORT EXPSET=
GENERATED STATEMENT
        //* NAME OF PROGRAM AND MEMBER TO TRANSLATE/COMPILE/LKED
        /*
 STMT NO. MESSAGE
        3 IEFC001I PROCEDURE DFHZITCL WAS EXPANDED USING PRIVATE
LIBRARY KC03F2A.DCMAFD02.PROCLIB
ICH70001I KC03F2A  LAST ACCESS AT 09:37:48 ON FRIDAY, NOVEMBER 22,
```

2024
IEFA111I CMINQF2A IS USING THE FOLLOWING JOB RELATED SETTINGS:
          SWA=ABOVE,TIOT SIZE=32K,DSENQSHR=DISALLOW,GDGBIAS=JOB
IEF236I ALLOC. FOR CMINQF2A COBOL COMPLI
IEF237I 1A76 ALLOCATED TO STEPLIB
IEF237I 1847 ALLOCATED TO
IEF237I 1847 ALLOCATED TO SYSLIB
IGD103I SMS ALLOCATED TO DDNAME
IGD103I SMS ALLOCATED TO DDNAME
IGD103I SMS ALLOCATED TO DDNAME
IEF237I 1847 ALLOCATED TO
IEF237I 1847 ALLOCATED TO
IEF237I 1847 ALLOCATED TO
IEF237I JES2 ALLOCATED TO SYSPRINT
IGD101I SMS ALLOCATED TO DDNAME (SYSLIN)
        DSN (*SYS24327.T094859.RA000.CMINQF2A.LOADSET.H01*)
        STORCLAS (TEMPSC) MGMTCLAS (   ) DATACLAS (   )
        VOL SER NOS= KCTR01
IGD101I SMS ALLOCATED TO DDNAME (SYSUT1)
        DSN (*SYS24327.T094859.RA000.CMINQF2A.R0115642*   )
        STORCLAS (TEMPSC) MGMTCLAS (   ) DATACLAS (   )
        VOL SER NOS= KCTR01
IGD101I SMS ALLOCATED TO DDNAME (SYSUT2)
        DSN (*SYS24327.T094859.RA000.CMINQF2A.R0115643*   )
        STORCLAS (TEMPSC) MGMTCLAS (   ) DATACLAS (   )
        VOL SER NOS= KCTR01
IGD101I SMS ALLOCATED TO DDNAME (SYSUT3)
        DSN (*SYS24327.T094859.RA000.CMINQF2A.R0115644*   )
        STORCLAS (TEMPSC) MGMTCLAS (   ) DATACLAS (   )
        VOL SER NOS= KCTR01
IGD101I SMS ALLOCATED TO DDNAME (SYSUT4)
        DSN (*SYS24327.T094859.RA000.CMINQF2A.R0115645*   )
        STORCLAS (TEMPSC) MGMTCLAS (   ) DATACLAS (   )
        VOL SER NOS= KCTR01
IGD101I SMS ALLOCATED TO DDNAME (SYSUT5)
        DSN (*SYS24327.T094859.RA000.CMINQF2A.R0115646*   )
        STORCLAS (TEMPSC) MGMTCLAS (   ) DATACLAS (   )
        VOL SER NOS= KCTR01
IGD101I SMS ALLOCATED TO DDNAME (SYSUT6)

```
          DSN (SYS24327.T094859.RA000.CMINQF2A.R0115647    )
          STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
          VOL SER NOS= KCTR01
IGD101I SMS ALLOCATED TO DDNAME (SYSUT7  )
          DSN (SYS24327.T094859.RA000.CMINQF2A.R0115648    )
          STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
          VOL SER NOS= KCTR01
IGD101I SMS ALLOCATED TO DDNAME (SYSUT8  )
          DSN (SYS24327.T094859.RA000.CMINQF2A.R0115649    )
          STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
          VOL SER NOS= KCTR01
IGD101I SMS ALLOCATED TO DDNAME (SYSUT9  )
          DSN (SYS24327.T094859.RA000.CMINQF2A.R0115650    )
          STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
          VOL SER NOS= KCTR01
IGD101I SMS ALLOCATED TO DDNAME (SYSUT10 )
          DSN (SYS24327.T094859.RA000.CMINQF2A.R0115651    )
          STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
          VOL SER NOS= KCTR01
IGD101I SMS ALLOCATED TO DDNAME (SYSUT11 )
          DSN (SYS24327.T094859.RA000.CMINQF2A.R0115652    )
          STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
          VOL SER NOS= KCTR01
IGD101I SMS ALLOCATED TO DDNAME (SYSUT12 )
          DSN (SYS24327.T094859.RA000.CMINQF2A.R0115653    )
          STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
          VOL SER NOS= KCTR01
IGD101I SMS ALLOCATED TO DDNAME (SYSUT13 )
          DSN (SYS24327.T094859.RA000.CMINQF2A.R0115654    )
          STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
          VOL SER NOS= KCTR01
IGD101I SMS ALLOCATED TO DDNAME (SYSUT14 )
          DSN (SYS24327.T094859.RA000.CMINQF2A.R0115655    )
          STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
          VOL SER NOS= KCTR01
IGD101I SMS ALLOCATED TO DDNAME (SYSUT15 )
          DSN (SYS24327.T094859.RA000.CMINQF2A.R0115656    )
          STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
          VOL SER NOS= KCTR01
```

```
IGD101I SMS ALLOCATED TO DDNAME (SYSMDECK)
        DSN (SYS24327.T094859.RA000.CMINQF2A.R0115657    )
        STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
        VOL SER NOS= KCTR01
IGD103I SMS ALLOCATED TO DDNAME SYSIN
IEF285I    VENDOR.PARMLIB                               KEPT
IEF285I    VOL SER NOS= VPMVSD.
IEF285I    SVTSC.PARMLIB                                KEPT
IEF285I    VOL SER NOS= VTMVSG.
IEF285I    LVL0.PARMLIB                                 KEPT
IEF285I    VOL SER NOS= VTLVL0.
IEF285I    SYS1.PARMLIB                                 KEPT
IEF285I    VOL SER NOS= VIMVSB.
IEF764I CMINQF2A COMPLI COBOL DFHAPIR DFHEIMOD PARMLIB READ FAILED
— MEMBER DFHAPIR NOT FOUND.
IEF285I    VENDOR.PARMLIB                               KEPT
IEF285I    VOL SER NOS= VPMVSD.
IEF285I    SVTSC.PARMLIB                                KEPT
IEF285I    VOL SER NOS= VTMVSG.
IEF285I    LVL0.PARMLIB                                 KEPT
IEF285I    VOL SER NOS= VTLVL0.
IEF285I    SYS1.PARMLIB                                 KEPT
IEF285I    VOL SER NOS= VIMVSB.
IEF764I CMINQF2A COMPLI COBOL DFHAPIR DFHEIMOD PARMLIB READ FAILED
— MEMBER DFHAPIR NOT FOUND.
IEF142I CMINQF2A COBOL COMPLI — STEP WAS EXECUTED — COND CODE 0000
IEF285I    IGY630.SIGYCOMP                              KEPT
IEF285I    VOL SER NOS= VTIGYL.
IEF285I    DFH610.CICS.SDFHLOAD                         KEPT
IEF285I    VOL SER NOS= VTDFHL.
IEF285I    DFH610.CICS.SDFHCOB                          KEPT
IEF285I    VOL SER NOS= VTDFHL.
IGD104I KC03F2A.DCMAFD02.A5P1.COBOL               RETAINED,
DDNAME=
IGD104I KC03F2A.DCMAFD02.COPYBOOK.WS.COBOL        RETAINED,
DDNAME=
IGD104I KC03F2A.DCMAFD02.COPYBOOK.PR.COBOL        RETAINED,
DDNAME=
IEF285I    DFH610.CICS.SDFHCOB                          KEPT
```

```
IEF285I    VOL SER NOS= VTDFHL.
IEF285I    DFH610.CICS.SDFHMAC                         KEPT
IEF285I    VOL SER NOS= VTDFHL.
IEF285I    DFH610.CICS.SDFHSAMP                        KEPT
IEF285I    VOL SER NOS= VTDFHL.
IEF285I    KC03F2A.CMINQF2A.JOB04387.D0000102.?        SYSOUT
IGD106I SYS24327.T094859.RA000.CMINQF2A.LOADSET.H01  PASSED,
DDNAME=SYSLIN
IGD105I SYS24327.T094859.RA000.CMINQF2A.R0115642     DELETED,
DDNAME=SYSUT1
IGD105I SYS24327.T094859.RA000.CMINQF2A.R0115643     DELETED,
DDNAME=SYSUT2
IGD105I SYS24327.T094859.RA000.CMINQF2A.R0115644     DELETED,
DDNAME=SYSUT3
IGD105I SYS24327.T094859.RA000.CMINQF2A.R0115645     DELETED,
DDNAME=SYSUT4
IGD105I SYS24327.T094859.RA000.CMINQF2A.R0115646     DELETED,
DDNAME=SYSUT5
IGD105I SYS24327.T094859.RA000.CMINQF2A.R0115647     DELETED,
DDNAME=SYSUT6
IGD105I SYS24327.T094859.RA000.CMINQF2A.R0115648     DELETED,
DDNAME=SYSUT7
IGD105I SYS24327.T094859.RA000.CMINQF2A.R0115649     DELETED,
DDNAME=SYSUT8
IGD105I SYS24327.T094859.RA000.CMINQF2A.R0115650     DELETED,
DDNAME=SYSUT9
IGD105I SYS24327.T094859.RA000.CMINQF2A.R0115651     DELETED,
DDNAME=SYSUT10
IGD105I SYS24327.T094859.RA000.CMINQF2A.R0115652     DELETED,
DDNAME=SYSUT11
IGD105I SYS24327.T094859.RA000.CMINQF2A.R0115653     DELETED,
DDNAME=SYSUT12
IGD105I SYS24327.T094859.RA000.CMINQF2A.R0115654     DELETED,
DDNAME=SYSUT13
IGD105I SYS24327.T094859.RA000.CMINQF2A.R0115655     DELETED,
DDNAME=SYSUT14
IGD105I SYS24327.T094859.RA000.CMINQF2A.R0115656     DELETED,
DDNAME=SYSUT15
IGD105I SYS24327.T094859.RA000.CMINQF2A.R0115657     DELETED,
```

DDNAME=SYSMDECK
IGD104I *KC03F2A.DCMAFD02.A5P1.COBOL*   RETAINED,
DDNAME=SYSIN
IEF373I STEP/COBOL   /START 2024327.0949
IEF032I STEP/COBOL   /STOP 2024327.0949
        CPU: 0 HR 00 MIN 00.07 SEC   SRB: 0 HR 00 MIN
00.00 SEC
        VIRT: 7888K SYS: 788K EXT: 137140K SYS: 13792K
        ATB- REAL: 9632K SLOTS:
0K
            VIRT- ALLOC: 540M SHRD: 0M
IEF236I ALLOC. FOR CMINQF2A COPYLINK COMPLI
IEF237I 1847 ALLOCATED TO SYSUT1
IGD101I SMS ALLOCATED TO DDNAME (SYSUT2)
        DSN (SYS24327.T094859.RA000.CMINQF2A.COPYLINK.H01)
        STORCLAS (TEMPSC) MGMTCLAS (   ) DATACLAS (   )
        VOL SER NOS= KCTR01
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I DMY ALLOCATED TO SYSIN
IEF142I CMINQF2A COPYLINK COMPLI - STEP WAS EXECUTED - COND CODE
0000
IEF285I   *DFH610.CICS.SDFHSAMP*   KEPT
IEF285I   VOL SER NOS= VTDFHL.
IGD106I *SYS24327.T094859.RA000.CMINQF2A.COPYLINK.H01* PASSED,
DDNAME=SYSUT2
IEF285I   KC03F2A.CMINQF2A.JOB04387.D0000103.?   SYSOUT
IEF373I STEP/COPYLINK/START 2024327.0949
IEF032I STEP/COPYLINK/STOP 2024327.0949
        CPU: 0 HR 00 MIN 00.00 SEC   SRB: 0 HR 00 MIN
00.00 SEC
        VIRT: 228K SYS: 252K EXT: 12K SYS: 11588K
        ATB- REAL: 1308K SLOTS:
0K
            VIRT- ALLOC: 22M SHRD: 0M
IEF236I ALLOC. FOR CMINQF2A LKED COMPLI
IEF237I 1847 ALLOCATED TO SYSLIB
IEF237I 1001 ALLOCATED TO
IGD103I SMS ALLOCATED TO DDNAME SYSLMOD
IGD101I SMS ALLOCATED TO DDNAME (SYSUT1)

          DSN (*SYS24327.T094859.RA000.CMINQF2A.R0115658*   )
          STORCLAS (TEMPSC) MGMTCLAS (   ) DATACLAS (   )
          VOL SER NOS= KCTR01
IEF237I JES2 ALLOCATED TO SYSPRINT
IGD103I SMS ALLOCATED TO DDNAME SYSLIN
IGD103I SMS ALLOCATED TO DDNAME
IEF237I JES2 ALLOCATED TO
IEF142I CMINQF2A LKED COMPLI – STEP WAS EXECUTED – COND CODE 0000
IEF285I   *DFH610.CICS.SDFHLOAD*   KEPT
IEF285I   VOL SER NOS= VTDFHL.
IEF285I   *CEE.SCEELKED*   KEPT
IEF285I   VOL SER NOS= VTMVSC.
IGD104I *TSOECCC.CICSTS12.STUDENT.LOADLIB*   RETAINED,
DDNAME=SYSLMOD
IGD105I *SYS24327.T094859.RA000.CMINQF2A.R0115658*   DELETED,
DDNAME=SYSUT1
IEF285I   KC03F2A.CMINQF2A.JOB04387.D0000104.?   SYSOUT
IGD105I *SYS24327.T094859.RA000.CMINQF2A.COPYLINK.H01* DELETED,
DDNAME=SYSLIN
IGD105I *SYS24327.T094859.RA000.CMINQF2A.LOADSET.H01* DELETED,
DDNAME=
IEF285I   KC03F2A.CMINQF2A.JOB04387.D0000101.?   SYSIN
IEF373I STEP/LKED   /START 2024327.0949
IEF032I STEP/LKED   /STOP 2024327.0949
      CPU: 0 HR 00 MIN 00.01 SEC   SRB: 0 HR 00 MIN
00.00 SEC
        VIRT: 88K SYS: 256K EXT: 1768K SYS: 11760K
        ATB– REAL: 1316K SLOTS:
0K
            VIRT– ALLOC: 25M SHRD: 0M
IEF375I JOB/CMINQF2A/START 2024327.0949
IEF033I JOB/CMINQF2A/STOP 2024327.0949
      CPU: 0 HR 00 MIN 00.08 SEC   SRB: 0 HR 00 MIN
00.00 SEC
   NAME &PGM(R)
PP 5655–EC6 IBM Enterprise COBOL for z/OS 6.3.0 P240628
Date 11/22/2024 Time 09:49:02   Page   1
Invocation parameters:
 NODYNAM,RENT,CICS('COBOL3,SP')

Options in effect:
 NOADATA
   ADV
   AFP(NOVOLATILE)
   QUOTE
   ARCH(8)
   ARITH(COMPAT)
 NOAWO
 NOBLOCK0
   BUFSIZE(4096)
   CICS('COBOL3,SP')
   CODEPAGE(1140)
 NOCOMPILE(S)
   CONDCOMP(NOSKIPSRC)
 NOCOPYLOC
 NOCOPYRIGHT
 NOCURRENCY
   DATA(31)
   DBCS
 NODECK
 NODEFINE
 NODIAGTRUNC
   DISPSIGN(COMPAT)
 NODLL
 NODUMP
 NODYNAM
 NOEXIT
 NOEXPORTALL
 NOFASTSRT
   FLAG(I,I)
 NOFLAGSTD
   HGPR(PRESERVE)
 NOINITCHECK
 NOINITIAL
   INLINE
   INTDATE(ANSI)
 NOINVDATA
   LANGUAGE(EN)
   LINECOUNT(60)

```
 NOLIST
   LP(32)
 NOMAP
   MAXPCF(100000)
 NOMDECK
 NONAME
   NSYMBOL(NATIONAL)
 NONUMBER
 NONUMCHECK
   NUMPROC(NOPFD)
   OBJECT
 NOOFFSET
   OPTIMIZE(0)
   OUTDD(SYSOUT)
 NOPARMCHECK
   PGMNAME(COMPAT)
PP 5655-EC6 IBM Enterprise COBOL for z/OS  6.3.0 P240628
Date 11/22/2024  Time 09:49:02   Page    2
   QUALIFY(COMPAT)
   RENT
   RMODE(AUTO)
 NORULES
 NOSERVICE
   SEQUENCE
   SOURCE(DEC)
   SPACE(1)
 NOSQL
   SQLCCSID
 NOSQLIMS
 NOSSRANGE
 NOSTGOPT
   SUPPRESS
 NOTERM
 NOTEST(NODWARF,NOSOURCE,NOSEPARATE)
 NOTHREAD
   TRUNC(STD)
   TUNE(8)
 NOVBREF
   VLR(STANDARD)
```

```
   VSAMOPENFS(COMPAT)
 NOWORD
   XMLPARSE(XMLSS)
   XREF(FULL)
   ZWB
CICS Options in effect:
 CICS
 DEBUG
 EDF
 SP
 NATLANG(EN)
 APOST
 NOSYSEIB
 NOFEPI
 NOCPSM
 LINKAGE
 COBOL3
 LENGTH
PP 5655-EC6 IBM Enterprise COBOL for z/OS  6.3.0 P240628
CMINQF2A  Date 11/22/2024  Time 09:49:02    Page     3
   LineID  PL SL  ----+-*A-1-B--+----2----+----3----+----4----
+----5----+----6----+----7-|--+----8 Map and Cross Reference
  000001                   IDENTIFICATION DIVISION.
  000002                   PROGRAM-ID.  CMINQF2A.
  000003                   AUTHOR. TALENT NYOTA.
  000004                   DATE-WRITTEN. 11-11-2024.
  000005                  *PROGRAM DESCRIPTION: COBOL source file for
CMINQ program
  000006              *
  000007              *
  000008                 ENVIRONMENT DIVISION.
  000009              *
  000010                 DATA DIVISION.
  000011              *
  000012                 WORKING-STORAGE SECTION.
  000013              *
  000014                 01 WS-COMMUNICATION-AREA            PIC X
VALUE SPACES.              IMP
  000015              *
```

```
 000016                    01 WS-CNSTS.
 000017                       05 WS-TRUE-CNST                PIC X
VALUE 'Y'.
 000018                       05 WS-FALSE-CNST               PIC X
VALUE 'N'.
 000019                       05 WS-YES-CNST                 PIC X
VALUE 'Y'.
 000020                       05 WS-NO-CNST                  PIC X
VALUE 'N'.
 000021                       05 WS-OPEN-CNST                PIC X
VALUE 'Y'.
 000022                       05 WS-CLOSED-CNST              PIC X
VALUE 'N'.
 000023                 *
 000024                   01 WS-CICS-CNSTS.
 000025                       05 WS-MEN-PROGRAM-CNST         PIC
X(08) VALUE 'UUMENYYY'.
 000026                       05 WS-INQ-TRANSID-CNST         PIC
X(04) VALUE 'IF2A'.
 000027                       05 WS-INQ-MAPSET-CNST          PIC
X(08) VALUE 'INQSF2A '.
 000028                       05 WS-INQ-MAP-CNST             PIC
X(08) VALUE 'INQMF2A '.
 000029                  *
 000030                   01 WS-FILE-CNSTS.
 000031                       05 WS-CMF-FILE-NAME-CNST       PIC
X(08) VALUE 'CMFF2A  '.
 000032                 *
 000033                   01 WS-FLAGS.
 000034                       05 WS-VALID-DATA-FLAG          PIC X
VALUE 'Y'.
 000035                          88 WS-VALID-DATA-88
VALUE 'Y'.
 000036                       05 WS-SEND-FLAG                PIC X.
 000037                          88  WS-SEND-ERASE-88
VALUE '1'.
 000038                          88  WS-SEND-DATAONLY-88
VALUE '2'.
 000039                          88  WS-SEND-DATAONLY-ALARM-88
```

```
VALUE '3'.
  000040                         *
  000041                          01 WS-RESPONSE-CODES.
  000042                             05 WS-RESPONSE-CODE             PIC
S9(8)  COMP VALUE 0.
  000043                             05 WS-RESPONSE-CODE2            PIC
S9(8)  COMP VALUE 0.
  000044                         *
  000045                          01 WS-END-OF-SESSION-MESSAGE       PIC
X(13)
  000046                             VALUE 'Session ended'.
  000047                         *
  000048                          01 WS-USER-MESSAGES.
  000049              *                      ----+----1----+----2----
+----3----+----4
  000050                             05 WS-KEY-INVALID.
  000051                                10 FILLER                   PIC
X(40)
  000052                                   VALUE 'Invalid key pressed.
'.
  000053                                10 FILLER                   PIC
X(39)
  000054                                   VALUE SPACES.
IMP
  000055              *                      ----+----1----+----2----
+----3----+----4
  000056                             05 WS-ENTER-CUST-NBR.
  000057                                10 FILLER                   PIC
X(40)
```

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  LineID PL SL ----+-*A-1-B--+----2----+----3----+----4----
+----5----+----6----+----7-|--+----8 Map and Cross Reference

```
  000058                                   VALUE 'You must enter a
customer number.      '.
  000059                                10 FILLER                   PIC
X(39)
  000060                                   VALUE SPACES.
IMP
```

```
  000061                    *                    ----+----1----+----2----
+----3----+----4
  000062                        05 WS-CUST-DOES-NOT-EXIST.
  000063                            10 FILLER                    PIC
X(40)
  000064                                VALUE 'That customer does not
exist.           '.
  000065                            10 FILLER                    PIC
X(39)
  000066                                VALUE SPACES.
IMP
  000067                    *
  000068                     COPY ATTR.
  000069C                    01  ATTRIBUTE-DEFINITIONS.
  000070C                    *
  000071C                        05  ATTR-UNPROT             PIC X
VALUE ' '.
  000072C                        05  ATTR-UNPROT-MDT         PIC X
VALUE X'C1'.
  000073C                        05  ATTR-UNPROT-BRT         PIC X
VALUE X'C8'.
  000074C                        05  ATTR-UNPROT-BRT-MDT     PIC X
VALUE X'C9'.
  000075C                        05  ATTR-UNPROT-DARK        PIC X
VALUE X'4C'.
  000076C                        05  ATTR-UNPROT-DARK-MDT    PIC X
VALUE X'4D'.
  000077C                        05  ATTR-UNPROT-NUM         PIC X
VALUE X'50'.
  000078C                        05  ATTR-UNPROT-NUM-MDT     PIC X
VALUE X'D1'.
  000079C                        05  ATTR-UNPROT-NUM-BRT     PIC X
VALUE X'D8'.
  000080C                        05  ATTR-UNPROT-NUM-BRT-MDT PIC X
VALUE X'D9'.
  000081C                        05  ATTR-UNPROT-NUM-DARK    PIC X
VALUE X'5C'.
  000082C                        05  ATTR-UNPROT-NUM-DARK-MDT PIC X
VALUE X'5D'.
```

```
   000083C                    05  ATTR-PROT                   PIC X
VALUE X'60'.
   000084C                    05  ATTR-PROT-MDT               PIC X
VALUE X'61'.
   000085C                    05  ATTR-PROT-BRT               PIC X
VALUE X'E8'.
   000086C                    05  ATTR-PROT-BRT-MDT           PIC X
VALUE X'E9'.
   000087C                    05  ATTR-PROT-DARK              PIC X
VALUE '%'.
   000088C                    05  ATTR-PROT-DARK-MDT          PIC X
VALUE X'6D'.
   000089C                    05  ATTR-PROT-SKIP              PIC X
VALUE X'F0'.
   000090C                    05  ATTR-PROT-SKIP-MDT          PIC X
VALUE X'F1'.
   000091C                    05  ATTR-PROT-SKIP-BRT          PIC X
VALUE X'F8'.
   000092C                    05  ATTR-PROT-SKIP-BRT-MDT      PIC X
VALUE X'F9'.
   000093C                    05  ATTR-PROT-SKIP-DARK         PIC X
VALUE X'7C'.
   000094C                    05  ATTR-PROT-SKIP-DARK-MDT     PIC X
VALUE X'7D'.
   000095C            *
   000096C                    05  ATTR-NO-HIGHLIGHT           PIC X
VALUE X'00'.
   000097C                    05  ATTR-BLINK                  PIC X
VALUE '1'.
   000098C                    05  ATTR-REVERSE                PIC X
VALUE '2'.
   000099C                    05  ATTR-UNDERSCORE             PIC X
VALUE '4'.
   000100C            *
   000101C                    05  ATTR-DEFAULT-COLOR          PIC X
VALUE X'00'.
   000102C                    05  ATTR-BLUE                   PIC X
VALUE '1'.
   000103C                    05  ATTR-RED                    PIC X
```

```
VALUE '2'.
  000104C                        05  ATTR-PINK                    PIC X
VALUE '3'.
  000105C                        05  ATTR-GREEN                   PIC X
VALUE '4'.
  000106C                        05  ATTR-TURQUOISE               PIC X
VALUE '5'.
  000107C                        05  ATTR-YELLOW                  PIC X
VALUE '6'.
  000108C                        05  ATTR-NEUTRAL                 PIC X
VALUE '7'.
  000109C                 *
  000110                  *
  000111                   COPY DFHAID.
  000112C
*****************************************************************
  000113C               *
*
  000114C               *
*
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   LineID  PL SL  ----+-*A-1-B--+----2----+----3----+----4----
+----5----+----6----+----7-|--+----8 Map and Cross Reference
  000115C               *
*
  000116C               *     Licensed Materials - Property of IBM
*
  000117C               *
*
  000118C               *     "Restricted Materials of IBM"
*
  000119C               *
*
  000120C               *     5655-YA1
*
  000121C               *
*
  000122C               *     (C) Copyright IBM Corp. 1988, 2022"
```

```
 *
   000123C                   *
 *
   000124C                   *
 *
   000125C                   *
 *
   000126C                   *
 *
   000127C                   *   STATUS = 7.4.0
 *
   000128C                   *
 *
   000129C                   * CHANGE ACTIVITY :
 *
   000130C                   *
 *
   000131C                   *   $SEG(DFHAID),COMP(BMS),PROD(CICS TS ):
 *
   000132C                   *
 *
   000133C                   *  PN= REASON REL YYMMDD HDXXIII : REMARKS
 *
   000134C                   * $D1= I07991 670 100820 HDIGPG  : Translate
 unprintable char   *
   000135C                   * $L0= Base   210 88     HD1MA   : Base
 *
   000136C                   *     R169962 740 220304 HDPJEM  : Fix
 special chars          *
   000137C                   *
 *
   000138C
 ****************************************************************
   000139C                   *
   000140C                   *
   000141C                    01    DFHAID.
   000142C                       02  DFHNULL  PIC  X  VALUE IS X'00'.
   000143C                       02  DFHENTER PIC  X  VALUE IS ''''.
   000144C                       02  DFHCLEAR PIC  X  VALUE IS '_'.
```

```
  000145C                      02  DFHCLRP   PIC  X  VALUE IS X'6A'.
  000146C                      * UPDATED DFHCLRP TO USE CHAR CODE
@R169962C
  000147C                      02  DFHPEN    PIC  X  VALUE IS '='.
  000148C                      02  DFHOPID   PIC  X  VALUE IS 'W'.
  000149C                      02  DFHMSRE   PIC  X  VALUE IS 'X'.
  000150C                      02  DFHSTRF   PIC  X  VALUE IS 'h'.
  000151C                      02  DFHTRIG   PIC  X  VALUE IS '"'.
  000152C                      02  DFHPA1    PIC  X  VALUE IS '%'.
  000153C                      02  DFHPA2    PIC  X  VALUE IS '>'.
  000154C                      02  DFHPA3    PIC  X  VALUE IS ','.
  000155C                      02  DFHPF1    PIC  X  VALUE IS '1'.
  000156C                      02  DFHPF2    PIC  X  VALUE IS '2'.
  000157C                      02  DFHPF3    PIC  X  VALUE IS '3'.
  000158C                      02  DFHPF4    PIC  X  VALUE IS '4'.
  000159C                      02  DFHPF5    PIC  X  VALUE IS '5'.
  000160C                      02  DFHPF6    PIC  X  VALUE IS '6'.
  000161C                      02  DFHPF7    PIC  X  VALUE IS '7'.
  000162C                      02  DFHPF8    PIC  X  VALUE IS '8'.
  000163C                      02  DFHPF9    PIC  X  VALUE IS '9'.
  000164C                      02  DFHPF10   PIC  X  VALUE IS ':'.
  000165C                      02  DFHPF11   PIC  X  VALUE IS '#'.
  000166C                      02  DFHPF12   PIC  X  VALUE IS '@'.
  000167C                      02  DFHPF13   PIC  X  VALUE IS 'A'.
  000168C                      02  DFHPF14   PIC  X  VALUE IS 'B'.
  000169C                      02  DFHPF15   PIC  X  VALUE IS 'C'.
  000170C                      02  DFHPF16   PIC  X  VALUE IS 'D'.
  000171C                      02  DFHPF17   PIC  X  VALUE IS 'E'.
```

PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.3.0 P240628
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  LineID PL SL   ----+-*A-1-B--+----2----+----3----+----4----
+----5----+----6----+----7-|--+----8 Map and Cross Reference

```
  000172C                      02  DFHPF18   PIC  X  VALUE IS 'F'.
  000173C                      02  DFHPF19   PIC  X  VALUE IS 'G'.
  000174C                      02  DFHPF20   PIC  X  VALUE IS 'H'.
  000175C                      02  DFHPF21   PIC  X  VALUE IS 'I'.
  000176C                      02  DFHPF22   PIC  X  VALUE IS X'4A'.
  000177C                      * UPDATED DFHPF22 TO USE CHAR CODE
@R169962C
```

```
 000178C                      02  DFHPF23   PIC  X  VALUE IS '.'.
 000179C                      02  DFHPF24   PIC  X  VALUE IS '<'.
 000180              *
 000181               COPY ERRORSWS.
 000182C             *
 000183C
*****************************************************************
 000184C             *
 000185C             * VARIABLES FOR USE WITH GENERAL ERROR MSG
HANDLING (SINGLE LINE)
 000186C             *
 000187C
*****************************************************************
 000188C             *
 000189C              01 WS-GM-GENERAL-ERROR-MSG.
 000190C                 05  WS-GM-RESP                    PIC
S9(8) COMP.
 000191C                 05  WS-GM-RESP2                   PIC
S9(8) COMP.
 000192C                 05  WS-GM-TRNID                   PIC
X(4).
 000193C                 05  WS-GM-RSRCE                   PIC
X(8).
 000194C                 05  WS-GM-MSG                     PIC
X(68).
 000195C             *
 000196C
*****************************************************************
 000197C             *
 000198C             * VARIABLES FOR USE WITH ERROR MSG HANDLING
(EIGHT LINES)
 000199C             *
 000200C
*****************************************************************
 000201C             *
 000202C              01 WS-EM-ERROR-MESSAGE.
 000203C                 05 WS-EM-ERROR-LINE-1.
 000204C             *            ----+----1----+----2----
+----3----+----4
```

```
   000205C                          10 FILLER                       PIC
X(40)
   000206C                             VALUE 'ERROR:Review details and
correct problem'.
   000207C                          10 FILLER                       PIC
X(39)
   000208C                             VALUE ' in program or in the
resource used.   '.
   000209C                 *                     ----+----1----+----2----
+----3----+----
   000210C                       05 WS-EM-ERROR-LINE-2              PIC
X(79) VALUE SPACE.          IMP
   000211C                       05 WS-EM-ERROR-LINE-3.
   000212C                          10 FILLER                       PIC
X(11)
   000213C                             VALUE 'EIBRESP  = '.
   000214C                          10 WS-EM-RESP                   PIC
Z(08)9.
   000215C                          10 FILLER                       PIC
X(59) VALUE SPACE.          IMP
   000216C                       05 WS-EM-ERROR-LINE-4.
   000217C                          10 FILLER                       PIC
X(11)
   000218C                             VALUE 'EIBRESP2 = '.
   000219C                          10 WS-EM-RESP2                  PIC
Z(08)9.
   000220C                          10 FILLER                       PIC
X(59) VALUE SPACE.          IMP
   000221C                       05 WS-EM-ERROR-LINE-5.
   000222C                          10 FILLER                       PIC
X(11)
   000223C                             VALUE 'EIBTRNID = '.
   000224C                          10 WS-EM-TRNID                  PIC
X(04).
   000225C                          10 FILLER                       PIC
X(64) VALUE SPACE.          IMP
   000226C                       05 WS-EM-ERROR-LINE-6.
   000227C                          10 FILLER                       PIC
X(11)
```

```
   000228C                              VALUE 'EIBRSRCE = '.
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   LineID  PL SL  ----+-*A-1-B--+----2----+----3----+----4----
+----5----+----6----+----7-|--+----8 Map and Cross Reference
   000229C                      10 WS-EM-RSRCE              PIC
X(08).
   000230C                      10 FILLER                   PIC
X(60) VALUE SPACE.         IMP
   000231C                  05 WS-EM-ERROR-LINE-7.
   000232C                      10 FILLER                   PIC
X(11)
   000233C                          VALUE 'MESSAGE  = '.
   000234C                      10 WS-EM-MSG                PIC
X(68).
   000235C                  05 WS-EM-ERROR-LINE-8           PIC
X(79) VALUE SPACE.         IMP
   000236C              *
   000237C

****************************************************************
   000238C              *
   000239C              * VARIABLES FOR USE WITH HANDLE ABEND LOGIC
   000240C              *
   000241C

****************************************************************
   000242C              *
   000243C               01 WS-HA-HANDLE-ABEND-MSG.
   000244C                  05 WS-HA-MSG-T1                 PIC
X(79) VALUE SPACES.        IMP
   000245C                  05 WS-HA-MSG-T2                 PIC
X(79) VALUE SPACES.        IMP
   000246C                  05 WS-HA-MSG-T3                 PIC
X(79) VALUE SPACES.        IMP
   000247C                  05 WS-HA-MSG-T4                 PIC
X(79) VALUE SPACES.        IMP
   000248C                  05 WS-HA-MSG-T5                 PIC
X(79) VALUE SPACES.        IMP
   000249C                  05 WS-HA-MSG-T6                 PIC
X(79) VALUE SPACES.        IMP
```

```
  000250C                        05 WS-HA-MSG-T7                    PIC
X(79) VALUE SPACES.             IMP
  000251C                        05 WS-HA-MSG-T8                    PIC
X(79) VALUE SPACES.             IMP
  000252C                 *
  000253C              01 WS-HANDLE-ABEND-MSGS.
  000254C                 05 WS-HA-UNEXPECTED-ABEND           PIC
X(20)
  000255C                       VALUE 'ABEND UNEXPECTED    '.
  000256C                 *         ----+----0----+----1
  000257C                 05 WS-HA-UNHANDLED-ABEND            PIC
X(20)
  000258C                       VALUE 'ABEND UNHANDLED     '.
  000259C                 *         ----+----0----+----1
  000260C              01 WS-HA-EXEC-TEXT.
  000261C                 05 WS-HA-EXEC-TEXT-T1               PIC
X(79) VALUE SPACES.             IMP
  000262C                 05 WS-HA-EXEC-TEXT-T2               PIC
X(79) VALUE SPACES.             IMP
  000263C                 05 WS-HA-EXEC-TEXT-T3               PIC
X(79) VALUE SPACES.             IMP
  000264C                 05 WS-HA-EXEC-TEXT-T4               PIC
X(79) VALUE SPACES.             IMP
  000265C                 05 WS-HA-EXEC-TEXT-T5               PIC
X(79) VALUE SPACES.             IMP
  000266C                 05 WS-HA-EXEC-TEXT-T6               PIC
X(79) VALUE SPACES.             IMP
  000267C                 05 WS-HA-EXEC-TEXT-T7               PIC
X(79) VALUE SPACES.             IMP
  000268C                 05 WS-HA-EXEC-TEXT-T8               PIC
X(79) VALUE SPACES.             IMP
  000269C                 *
  000270C              01 WS-HA-ERR-MSG-NBRS.
  000271C                 05 WS-HA-ERR-MSG-FILENOTFOUND       PIC
9(3)  VALUE 12.
  000272C                 05 WS-HA-ERR-MSG-PGMIDERR           PIC
9(3)  VALUE 27.
  000273C                 05 WS-HA-ERR-MSG-TRANSIDERR         PIC
9(3)  VALUE 28.
```

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   000274C                           05 WS-HA-ERR-MSG-MAPFAIL           PIC
9(3)  VALUE 36.
   000275C                    *
   000276C

****************************************************************
   000277C                    *
   000278C                    * VARIABLES FOR USE WITH RESPONSE TEXT TABLE
LOOKUP LOGIC
   000279C                    * WRITTEN BY - GREGORY OAKES - 2021-APR-15
   000280C                    *
   000281C

****************************************************************
   000282C                    * TRANSLATE EXEC CICS COMMANDS FROM NUMERIC
VALUES TO X(15) TEXT
   000283C                    * IN CICS PROGRAMS AND DISPLAY ERROR MESSAGE
TO DECODE CODE ISSUES
   000284C                    * OR HELP DEBUG ABEND ISSUES.
   000285C                    *
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   000286C

****************************************************************
   000287C                    *
123456789012345
   000288C                     01 WS-RT-MSG-TABLE-DATA.
   000289C                        05 WS-RT-001-ERROR        PIC X(15)
VALUE "ERROR          ".
   000290C                        05 WS-RT-002-RDATT        PIC X(15)
VALUE "RDATT          ".
   000291C                        05 WS-RT-003-WRBRK        PIC X(15)
VALUE "WRBRK          ".
   000292C                        05 WS-RT-004-EOF          PIC X(15)
VALUE "EOF            ".
   000293C                        05 WS-RT-005-EODS         PIC X(15)
VALUE "EODS           ".
   000294C                        05 WS-RT-006-EOC          PIC X(15)
VALUE "EOC            ".
```

```
   000295C                        05 WS-RT-007-INBFMH         PIC X(15)
VALUE "INBFMH          ".
   000296C                        05 WS-RT-008-ENDINPT        PIC X(15)
VALUE "ENDINPT         ".
   000297C                        05 WS-RT-009-NONVAL         PIC X(15)
VALUE "NONVAL          ".
   000298C                        05 WS-RT-010-NOSTART        PIC X(15)
VALUE "NOSTART         ".
   000299C                        05 WS-RT-011-TERMIDERR      PIC X(15)
VALUE "TERMIDERR       ".
   000300C                        05 WS-RT-012-FILENOTFOUND PIC X(15)
VALUE "FILENOTFOUND    ".
   000301C                        05 WS-RT-013-NOTFND         PIC X(15)
VALUE "NOTFND          ".
   000302C                        05 WS-RT-014-DUPREC         PIC X(15)
VALUE "DUPREC          ".
   000303C                        05 WS-RT-015-DUPKEY         PIC X(15)
VALUE "DUPKEY          ".
   000304C                        05 WS-RT-016-INVREQ         PIC X(15)
VALUE "INVREQ          ".
   000305C                        05 WS-RT-017-IOERR          PIC X(15)
VALUE "IOERR           ".
   000306C                        05 WS-RT-018-NOSPACE        PIC X(15)
VALUE "NOSPACE         ".
   000307C                        05 WS-RT-019-NOTOPEN        PIC X(15)
VALUE "NOTOPEN         ".
   000308C                        05 WS-RT-020-ENDFILE        PIC X(15)
VALUE "ENDFILE         ".
   000309C                        05 WS-RT-021-ILLOGIC        PIC X(15)
VALUE "ILLOGIC         ".
   000310C                        05 WS-RT-022-LENGERR        PIC X(15)
VALUE "LENGERR         ".
   000311C                        05 WS-RT-023-QZERO          PIC X(15)
VALUE "QZERO           ".
   000312C                        05 WS-RT-024-SIGNAL         PIC X(15)
VALUE "SIGNAL          ".
   000313C                        05 WS-RT-025-QBUSY          PIC X(15)
VALUE "QBUSY           ".
   000314C                        05 WS-RT-026-ITEMERR        PIC X(15)
```

```
VALUE "ITEMERR       ".
   000315C                        05 WS-RT-027-PGMIDERR     PIC X(15)
VALUE "PGMIDERR      ".
   000316C                        05 WS-RT-028-TRANSIDERR   PIC X(15)
VALUE "TRANSIDERR    ".
   000317C                        05 WS-RT-029-ENDDATA      PIC X(15)
VALUE "ENDDATA       ".
   000318C                        05 WS-RT-030-INVTSREQ     PIC X(15)
VALUE "INVTSREQ      ".
   000319C                        05 WS-RT-031-EXPIRED      PIC X(15)
VALUE "EXPIRED       ".
   000320C                        05 WS-RT-032-RETPAGE      PIC X(15)
VALUE "RETPAGE       ".
   000321C                        05 WS-RT-033-RTEFAIL      PIC X(15)
VALUE "RTEFAIL       ".
   000322C                        05 WS-RT-034-RTESOME      PIC X(15)
VALUE "RTESOME       ".
   000323C                        05 WS-RT-035-TSIOERR      PIC X(15)
VALUE "TSIOERR       ".
   000324C                        05 WS-RT-036-MAPFAIL      PIC X(15)
VALUE "MAPFAIL       ".
   000325C                        05 WS-RT-037-INVERRTERM   PIC X(15)
VALUE "INVERRTERM    ".
   000326C                        05 WS-RT-038-INVMPSZ      PIC X(15)
VALUE "INVMPSZ       ".
   000327C                        05 WS-RT-039-IGREQID      PIC X(15)
VALUE "IGREQID       ".
   000328C                        05 WS-RT-040-OVERFLOW     PIC X(15)
VALUE "OVERFLOW      ".
   000329C                        05 WS-RT-041-INVLDC       PIC X(15)
VALUE "INVLDC        ".
   000330C                        05 WS-RT-042-NOSTG        PIC X(15)
VALUE "NOSTG         ".
   000331C                        05 WS-RT-043-JIDERR       PIC X(15)
VALUE "JIDERR        ".
   000332C                        05 WS-RT-044-QIDERR       PIC X(15)
VALUE "QIDERR        ".
   000333C                        05 WS-RT-045-NOJBUFSP     PIC X(15)
VALUE "NOJBUFSP      ".
```

```
 000334C                        05 WS-RT-046-DSSTAT        PIC X(15)
VALUE "DSSTAT          ".
 000335C                        05 WS-RT-047-SELNERR       PIC X(15)
VALUE "SELNERR         ".
 000336C                        05 WS-RT-048-FUNCERR       PIC X(15)
VALUE "FUNCERR         ".
 000337C                        05 WS-RT-049-UNEXPIN       PIC X(15)
VALUE "UNEXPIN         ".
 000338C                        05 WS-RT-050-NOPASSBKRD    PIC X(15)
VALUE "NOPASSBKRD      ".
 000339C                        05 WS-RT-051-NOPASSBKWR    PIC X(15)
VALUE "NOPASSBKWR      ".
 000340C                        05 WS-RT-052-SEGIDERR      PIC X(15)
VALUE "SEGIDERR        ".
 000341C                        05 WS-RT-053-SYSIDERR      PIC X(15)
VALUE "SYSIDERR        ".
 000342C                        05 WS-RT-054-ISCINVREQ     PIC X(15)
VALUE "ISCINVREQ       ".
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 000343C                        05 WS-RT-055-ENQBUSY       PIC X(15)
VALUE "ENQBUSY         ".
 000344C                        05 WS-RT-056-ENVDEFERR     PIC X(15)
VALUE "ENVDEFERR       ".
 000345C                        05 WS-RT-057-IGREQCD       PIC X(15)
VALUE "IGREQCD         ".
 000346C                        05 WS-RT-058-SESSIONERR    PIC X(15)
VALUE "SESSIONERR      ".
 000347C                        05 WS-RT-059-SYSBUSY       PIC X(15)
VALUE "SYSBUSY         ".
 000348C                        05 WS-RT-060-SESSBUSY      PIC X(15)
VALUE "SESSBUSY        ".
 000349C                        05 WS-RT-061-NOTALLOC      PIC X(15)
VALUE "NOTALLOC        ".
 000350C                        05 WS-RT-062-CBIDERR       PIC X(15)
VALUE "CBIDERR         ".
 000351C                        05 WS-RT-063-INVEXITREQ    PIC X(15)
```

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```
VALUE "INVEXITREQ      ".
   000352C                        05 WS-RT-064-INVPARTNSET  PIC X(15)
VALUE "INVPARTNSET     ".
   000353C                        05 WS-RT-065-INVPARTN     PIC X(15)
VALUE "INVPARTN        ".
   000354C                        05 WS-RT-066-PARTNFAIL    PIC X(15)
VALUE "PARTNFAIL       ".
   000355C                        05 WS-RT-067-NOTUSED      PIC X(15)
VALUE "NOTUSED         ".
   000356C                        05 WS-RT-068-NOTUSED      PIC X(15)
VALUE "NOTUSED         ".
   000357C                        05 WS-RT-069-USERIDERR    PIC X(15)
VALUE "USERIDERR       ".
   000358C                        05 WS-RT-070-NOTAUTH      PIC X(15)
VALUE "NOTAUTH         ".
   000359C                        05 WS-RT-071-VOLIDERR     PIC X(15)
VALUE "VOLIDERR        ".
   000360C                        05 WS-RT-072-SUPPRESSED   PIC X(15)
VALUE "SUPPRESSED      ".
   000361C                        05 WS-RT-073-NOTUSED      PIC X(15)
VALUE "NOTUSED         ".
   000362C                        05 WS-RT-074-NOTUSED      PIC X(15)
VALUE "NOTUSED         ".
   000363C                        05 WS-RT-075-RESIDERR     PIC X(15)
VALUE "RESIDERR        ".
   000364C                        05 WS-RT-076-NOTUSED      PIC X(15)
VALUE "NOTUSED         ".
   000365C                        05 WS-RT-077-NOTUSED      PIC X(15)
VALUE "NOTUSED         ".
   000366C                        05 WS-RT-078-NOTUSED      PIC X(15)
VALUE "NOTUSED         ".
   000367C                        05 WS-RT-079-NOTUSED      PIC X(15)
VALUE "NOTUSED         ".
   000368C                        05 WS-RT-080-NOSPOOL      PIC X(15)
VALUE "NOSPOOL         ".
   000369C                        05 WS-RT-081-TERMERR      PIC X(15)
VALUE "TERMERR         ".
   000370C                        05 WS-RT-082-ROLLEDBACK   PIC X(15)
VALUE "ROLLEDBACK      ".
```

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   000371C                        05 WS-RT-083-END           PIC X(15)
VALUE "END             ".
   000372C                        05 WS-RT-084-DISABLED      PIC X(15)
VALUE "DISABLED        ".
   000373C                        05 WS-RT-085-ALLOCERR      PIC X(15)
VALUE "ALLOCERR        ".
   000374C                        05 WS-RT-086-STRELERR      PIC X(15)
VALUE "STRELERR        ".
   000375C                        05 WS-RT-087-OPENERR       PIC X(15)
VALUE "OPENERR         ".
   000376C                        05 WS-RT-088-SPOLBUSY      PIC X(15)
VALUE "SPOLBUSY        ".
   000377C                        05 WS-RT-089-SPOLERR       PIC X(15)
VALUE "SPOLERR         ".
   000378C                        05 WS-RT-090-NODEIDERR     PIC X(15)
VALUE "NODEIDERR       ".
   000379C                        05 WS-RT-091-TASKIDERR     PIC X(15)
VALUE "TASKIDERR       ".
   000380C                        05 WS-RT-092-TCIDERR       PIC X(15)
VALUE "TCIDERR         ".
   000381C                        05 WS-RT-093-DSNNOTFOUND   PIC X(15)
VALUE "DSNNOTFOUND     ".
   000382C                        05 WS-RT-094-LOADING       PIC X(15)
VALUE "LOADING         ".
   000383C                        05 WS-RT-095-MODELIDERR    PIC X(15)
VALUE "MODELIDERR      ".
   000384C                        05 WS-RT-096-OUTDESCRERR   PIC X(15)
VALUE "OUTDESCRERR     ".
   000385C                        05 WS-RT-097-PARTNERIDERR  PIC X(15)
VALUE "PARTNERIDERR    ".
   000386C                        05 WS-RT-098-PROFILEIDERR  PIC X(15)
VALUE "PROFILEIDERR    ".
   000387C                        05 WS-RT-099-NETNAMEIDERR  PIC X(15)
VALUE "NETNAMEIDERR    ".
   000388C                        05 WS-RT-100-LOCKED        PIC X(15)
VALUE "LOCKED          ".
   000389C                        05 WS-RT-101-RECORDBUSY    PIC X(15)
VALUE "RECORDBUSY      ".
   000390C                        05 WS-RT-102-UOWNOTFOUND   PIC X(15)
```

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```
VALUE "UOWNOTFOUND     ".
  000391C                      05 WS-RT-103-UOWLNOTFOUND PIC X(15)
VALUE "UOWLNOTFOUND    ".
  000392C                      05 WS-RT-104-LINKABEND    PIC X(15)
VALUE "LINKABEND       ".
  000393C                      05 WS-RT-105-CHANGED      PIC X(15)
VALUE "CHANGED         ".
  000394C                      05 WS-RT-106-PROCESSBUSY  PIC X(15)
VALUE "PROCESSBUSY     ".
  000395C                      05 WS-RT-107-ACTIVITYBUSY PIC X(15)
VALUE "ACTIVITYBUSY    ".
  000396C                      05 WS-RT-108-PROCESSERR   PIC X(15)
VALUE "PROCESSERR      ".
  000397C                      05 WS-RT-109-ACTIVITYERR  PIC X(15)
VALUE "ACTIVITYERR     ".
  000398C                      05 WS-RT-110-CONTAINERERR PIC X(15)
VALUE "CONTAINERERR    ".
  000399C                      05 WS-RT-111-EVENTERR     PIC X(15)
VALUE "EVENTERR        ".
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  000400C                      05 WS-RT-112-TOKENERR     PIC X(15)
VALUE "TOKENERR        ".
  000401C                      05 WS-RT-113-NOTFINISHED  PIC X(15)
VALUE "NOTFINISHED     ".
  000402C                      05 WS-RT-114-POOLERR      PIC X(15)
VALUE "POOLERR         ".
  000403C                      05 WS-RT-115-TIMERERR     PIC X(15)
VALUE "TIMERERR        ".
  000404C                      05 WS-RT-116-SYMBOLERR    PIC X(15)
VALUE "SYMBOLERR       ".
  000405C                      05 WS-RT-117-TEMPLATERR   PIC X(15)
VALUE "TEMPLATERR      ".
  000406C                      05 WS-RT-118-NOTSUPERUSER PIC X(15)
VALUE "NOTSUPERUSER    ".
  000407C                      05 WS-RT-119-CSDERR       PIC X(15)
VALUE "CSDERR          ".
```

```
  000408C                        05 WS-RT-120-DUPRES       PIC X(15)
VALUE "DUPRES          ".
  000409C                        05 WS-RT-121-RESUNAVAIL   PIC X(15)
VALUE "RESUNAVAIL      ".
  000410C                        05 WS-RT-122-CHANNELERR   PIC X(15)
VALUE "CHANNELERR      ".
  000411C                        05 WS-RT-123-CCSIDERR     PIC X(15)
VALUE "CCSIDERR        ".
  000412C                        05 WS-RT-124-TIMEDOUT     PIC X(15)
VALUE "TIMEDOUT        ".
  000413C                        05 WS-RT-125-CODEPAGEERR  PIC X(15)
VALUE "CODEPAGEERR     ".
  000414C                        05 WS-RT-126-INCOMPLETE   PIC X(15)
VALUE "INCOMPLETE      ".
  000415C                        05 WS-RT-127-APPNOTFOUND  PIC X(15)
VALUE "APPNOTFOUND     ".
  000416C               *
123456789012345
  000417C               *
  000418C                 01 WS-RT-MSG-TABLE-DATA-R REDEFINES WS-RT-
MSG-TABLE-DATA.          288
  000419C                        05 WS-RT-MSG-NBR-TEXT     PIC X(15)
OCCURS 127 TIMES.
  000420C               *
  000421C                 01 WS-RT-RESP-NBR               PIC S9(8)
VALUE 0.
  000422C                        88 WS-RT-RESP-NBR-VALID-88 VALUE 1 THRU
127.
  000423C               *
  000424C                 01 WS-RT-RESP-NBR-INVALID-MSG PIC X(15)
VALUE "INVALIDNBR".
  000425C               *
  000426C                 01 WS-RT-MSG.
  000427C                        05 WS-RT-MSG-HDR          PIC X(15)
VALUE SPACES.                    IMP
  000428C                        05 WS-RT-MSG-RESP-NBR     PIC S9(8)
VALUE 0.
  000429C                        05 WS-RT-MSG-T1           PIC X(15)
VALUE SPACES.                    IMP
```

```
  000430C                   05 WS-RT-MSG-T2            PIC X(30)
VALUE SPACES.                  IMP
  000431C              *
  000432C            01 WS-RT-MSG-HEADER         PIC X(30)
VALUE SPACES.                  IMP
  000433C              *
  000434C            01 WS-RT-MSG-NORMAL         PIC X(30)
VALUE SPACES.                  IMP
  000435C              *
  000436C            01 WS-RT-MSG-OTHER          PIC X(30)
VALUE SPACES.                  IMP
  000437C              *
  000438C
```
****
```
  000439C              *
  000440               *
  000441               COPY INQSF2A.
  000442C            01  INQMF2AI.
  000443C                02  FILLER PIC X(12).
  000444C                02  TRANIDL    COMP  PIC  S9(4).
  000445C                02  TRANIDF    PICTURE X.
  000446C                02  FILLER REDEFINES TRANIDF.
445
  000447C                   03 TRANIDA    PICTURE X.
  000448C                02  FILLER   PICTURE X(2).
  000449C                02  TRANIDI  PIC X(4).
  000450C                02  CUSTNOL    COMP  PIC  S9(4).
  000451C                02  CUSTNOF    PICTURE X.
  000452C                02  FILLER REDEFINES CUSTNOF.
451
  000453C                   03 CUSTNOA    PICTURE X.
  000454C                02  FILLER   PICTURE X(2).
  000455C                02  CUSTNOI  PIC X(6).
  000456C                02  LNAMEL    COMP  PIC  S9(4).
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```
  000457C                02  LNAMEF    PICTURE X.
```

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```
  000458C                    02  FILLER REDEFINES LNAMEF.
457
    000459C                      03 LNAMEA    PICTURE X.
    000460C                    02  FILLER  PICTURE X(2).
    000461C                    02  LNAMEI  PIC X(30).
    000462C                    02  FNAMEL    COMP  PIC  S9(4).
    000463C                    02  FNAMEF    PICTURE X.
    000464C                    02  FILLER REDEFINES FNAMEF.
463
    000465C                      03 FNAMEA    PICTURE X.
    000466C                    02  FILLER  PICTURE X(2).
    000467C                    02  FNAMEI  PIC X(20).
    000468C                    02  ADDRL    COMP  PIC  S9(4).
    000469C                    02  ADDRF    PICTURE X.
    000470C                    02  FILLER REDEFINES ADDRF.
469
    000471C                      03 ADDRA    PICTURE X.
    000472C                    02  FILLER  PICTURE X(2).
    000473C                    02  ADDRI  PIC X(30).
    000474C                    02  CITYL    COMP  PIC  S9(4).
    000475C                    02  CITYF    PICTURE X.
    000476C                    02  FILLER REDEFINES CITYF.
475
    000477C                      03 CITYA    PICTURE X.
    000478C                    02  FILLER  PICTURE X(2).
    000479C                    02  CITYI  PIC X(20).
    000480C                    02  STATEL    COMP  PIC  S9(4).
    000481C                    02  STATEF    PICTURE X.
    000482C                    02  FILLER REDEFINES STATEF.
481
    000483C                      03 STATEA    PICTURE X.
    000484C                    02  FILLER  PICTURE X(2).
    000485C                    02  STATEI  PIC X(2).
    000486C                    02  ZIPCODEL    COMP  PIC  S9(4).
    000487C                    02  ZIPCODEF    PICTURE X.
    000488C                    02  FILLER REDEFINES ZIPCODEF.
487
    000489C                      03 ZIPCODEA    PICTURE X.
    000490C                    02  FILLER  PICTURE X(2).
```

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  000491C                      02  ZIPCODEI  PIC X(10).
  000492C                      02  MESSAGEL    COMP  PIC  S9(4).
  000493C                      02  MESSAGEF    PICTURE X.
  000494C                      02  FILLER REDEFINES MESSAGEF.
493
  000495C                        03 MESSAGEA    PICTURE X.
  000496C                      02  FILLER  PICTURE X(2).
  000497C                      02  MESSAGEI  PIC X(79).
  000498C                      02  DUMMYL    COMP  PIC  S9(4).
  000499C                      02  DUMMYF    PICTURE X.
  000500C                      02  FILLER REDEFINES DUMMYF.
499
  000501C                        03 DUMMYA    PICTURE X.
  000502C                      02  FILLER  PICTURE X(2).
  000503C                      02  DUMMYI  PIC X(1).
  000504C               01  INQMF2AO REDEFINES INQMF2AI.
442
  000505C                      02  FILLER PIC X(12).
  000506C                      02  FILLER PICTURE X(3).
  000507C                      02  TRANIDC    PICTURE X.
  000508C                      02  TRANIDH    PICTURE X.
  000509C                      02  TRANIDO  PIC X(4).
  000510C                      02  FILLER PICTURE X(3).
  000511C                      02  CUSTNOC    PICTURE X.
  000512C                      02  CUSTNOH    PICTURE X.
  000513C                      02  CUSTNOO  PIC X(6).
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  000514C                      02  FILLER PICTURE X(3).
  000515C                      02  LNAMEC    PICTURE X.
  000516C                      02  LNAMEH    PICTURE X.
  000517C                      02  LNAMEO  PIC X(30).
  000518C                      02  FILLER PICTURE X(3).
  000519C                      02  FNAMEC    PICTURE X.
  000520C                      02  FNAMEH    PICTURE X.
  000521C                      02  FNAMEO  PIC X(20).
  000522C                      02  FILLER PICTURE X(3).
```

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 000523C                    02  ADDRC    PICTURE X.
 000524C                    02  ADDRH    PICTURE X.
 000525C                    02  ADDRO  PIC X(30).
 000526C                    02  FILLER PICTURE X(3).
 000527C                    02  CITYC    PICTURE X.
 000528C                    02  CITYH    PICTURE X.
 000529C                    02  CITYO  PIC X(20).
 000530C                    02  FILLER PICTURE X(3).
 000531C                    02  STATEC    PICTURE X.
 000532C                    02  STATEH    PICTURE X.
 000533C                    02  STATEO  PIC X(2).
 000534C                    02  FILLER PICTURE X(3).
 000535C                    02  ZIPCODEC    PICTURE X.
 000536C                    02  ZIPCODEH    PICTURE X.
 000537C                    02  ZIPCODEO  PIC X(10).
 000538C                    02  FILLER PICTURE X(3).
 000539C                    02  MESSAGEC    PICTURE X.
 000540C                    02  MESSAGEH    PICTURE X.
 000541C                    02  MESSAGEO  PIC X(79).
 000542C                    02  FILLER PICTURE X(3).
 000543C                    02  DUMMYC    PICTURE X.
 000544C                    02  DUMMYH    PICTURE X.
 000545C                    02  DUMMYO  PIC X(1).
 000546                *
 000547
****************************************************************
 000548              * ADD WORKING_STORAGE COPY STATEMENTS HERE
 000549               COPY CMFWSREC.
 000550C              *
 000551C               01 WS-CUSTOMER-MASTER-RECORD.
 000552C                  05 WS-CM-KEY.
 000553C                     10 WS-CM-CUSTOMER-NUMBER      PIC
X(6).
 000554C                  05 WS-CM-FIRST-NAME              PIC
X(20).
 000555C                  05 WS-CM-LAST-NAME               PIC
X(30).
 000556C                  05 WS-CM-ADDRESS                 PIC
X(30).
```

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```
   000557C                      05 WS-CM-CITY                        PIC
X(20).
   000558C                      05 WS-CM-STATE                       PIC
X(2).
   000559C                      05 WS-CM-ZIP-CODE                    PIC
X(10).
   000560C            *
   000561             *
   000562              COPY CMFWSSTS.
   000563C            *
   000564C            * CMF VSAM FILE STATUS WORKING_STORAGE
VARIABLES
   000565C            *
   000566C              01 WS-CMF-FILE-STATUS-INFO.
   000567C                      05 WS-CMF-OPEN                       PIC
X.
   000568C                          88 WS-CMF-OPEN-88
VALUE 'Y'.
   000569C                          88 WS-CMF-CLOSED-88
VALUE 'Y'.
   000570C                      05 WS-CMF-OPEN-STATUS                PIC
S9(8) COMP VALUE 0.
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   LineID  PL SL  ----+-*A-1-B--+----2----+----3----+----4----
+----5----+----6----+----7-|--+----8 Map and Cross Reference
   000571C                      05 WS-CMF-ENABLE-STATUS              PIC
S9(8) COMP VALUE 0.
   000572C            *
   000573             *
   000574
**********************************************************************
   000575             *
   000576              LINKAGE SECTION.
   000577             *
   000578              01 DFHCOMMAREA                        PIC X.
   000579             *
   000580              PROCEDURE DIVISION.
578
```

```
 000581                    *
 000582                     0000-PROCESS-CUSTOMER-INQUIRY.
 000583                    *
 000584                        MOVE SPACES                        TO WS-
HA-EXEC-TEXT.                    IMP 260
 000585                        MOVE ALL '*'                       TO WS-
HA-EXEC-TEXT-T1.                 261
 000586                        MOVE WS-HA-UNEXPECTED-ABEND     TO WS-
HA-EXEC-TEXT-T2.                 254 262
 000587                        MOVE ALL '*'                       TO WS-
HA-EXEC-TEXT-T8.                 268
 000588                    *
 000589                        EXEC CICS
 000590                            HANDLE ABEND LABEL(9900-HANDLE-
ABEND)
 000591                        END-EXEC.
EXT IMP
 000592                    *
 000593                        EVALUATE TRUE
 000594                    *
 000595                            WHEN EIBCALEN = ZERO
IMP IMP
 000596       1                      MOVE LOW-VALUE              TO
INQMF2AO                         IMP 504
 000597       1                      MOVE WS-INQ-TRANSID-CNST TO
TRANIDO                          26 509
 000598       1                      SET WS-SEND-ERASE-88     TO
TRUE                             37
 000599       1                      PERFORM 1400-SEND-CUSTOMER-MAP
823
 000600                    *
 000601                            WHEN EIBAID = DFHCLEAR
IMP 144
 000602       1                      MOVE LOW-VALUE              TO
INQMF2AO                         IMP 504
 000603       1                      MOVE WS-INQ-TRANSID-CNST TO
TRANIDO                          26 509
 000604       1                      SET WS-SEND-ERASE-88     TO
TRUE                             37
```

```
  000605      1                      PERFORM 1400-SEND-CUSTOMER-MAP
823
  000606               *
  000607                      WHEN EIBAID = DFHPA1 OR DFHPA2 OR
DFHPA3                         IMP 152 153 154
  000608      1               CONTINUE
  000609               *
  000610
  000611                      WHEN EIBAID = DFHPF3 OR DFHPF12
IMP 157 166
  000612      1                      PERFORM 8200-CMF-CLOSE
974
  000613        *  PERFORM 9800-SEND-TERMINATION-MESSAGE
  000614        *
  000615      1               MOVE SPACES             TO WS-
HA-EXEC-TEXT               IMP 260
  000616      1               MOVE ALL '='            TO WS-
HA-EXEC-TEXT-T1            261
  000617      1               MOVE 'ABEND'            TO WS-
HA-EXEC-TEXT-T2            262
  000618      1               MOVE 'EXEC CICS'        TO WS-
HA-EXEC-TEXT-T3            263
  000619      1               MOVE 'XCTL PROGRAM'     TO WS-
HA-EXEC-TEXT-T4            264
  000620      1               MOVE WS-MEN-PROGRAM-CNST TO WS-
HA-EXEC-TEXT-T5            25 265
  000621      1               MOVE SPACES             TO WS-
HA-EXEC-TEXT-T6            IMP 266
  000622      1               MOVE WS-RT-MSG-NBR-TEXT(WS-HA-
ERR-MSG-PGMIDERR)            419 272
  000623      1                 TO WS-HA-EXEC-TEXT-T7
267
  000624      1               MOVE ALL '='            TO WS-
HA-EXEC-TEXT-T8            268
  000625      1               EXEC CICS
  000626      1                 XCTL PROGRAM(WS-MEN-
PROGRAM-CNST)
  000627      1                      RESP   (WS-RESPONSE-
CODE)
```

  LineID PL SL ----+-*A-1-B--+----2----+----3----+----4----
+----5----+----6----+----7-|--+----8 Map and Cross Reference
   000628   1   RESP2 (WS-RESPONSE-
CODE2)
   000629   1   END-EXEC
EXT 43
   000630   1   IF WS-RESPONSE-CODE =
DFHRESP(NORMAL)   42
   000631   2   EXEC CICS
   000632   2   RETURN
   000633   2   END-EXEC
EXT
   000634   1   ELSE
   000635   2   MOVE 'XCTL PROGRAM' TO WS-
RT-MSG-HEADER   432
   000636   2   MOVE 'ERROR   ' TO WS-
RT-MSG-NORMAL   434
   000637   2   MOVE WS-MEN-PROGRAM-CNST
25
   000638   2   TO WS-RT-MSG-OTHER
436
   000639   2   PERFORM 9700-RESPTEXT
1017
   000640   1   END-IF
   000641
   000642   *
   000643   WHEN EIBAID = DFHENTER
IMP 143
   000644   1   PERFORM 1000-PROCESS-CUSTOMER-
MAP   711
   000645   *
   000646   WHEN OTHER
   000647   1   MOVE LOW-VALUE   TO
INQMF2AO   IMP 504
   000648   1   MOVE WS-KEY-INVALID   TO
MESSAGEO   50 541
   000649   1   SET WS-SEND-DATAONLY-ALARM-88

39
```
  000650     1                          TO TRUE
  000651     1                          PERFORM 1400-SEND-CUSTOMER-MAP
823
  000652
  000653
  000654
  000655                  *
  000656                          END-EVALUATE.
  000657                  *
  000658                          MOVE SPACES                      TO WS-
HA-EXEC-TEXT.              IMP 260
  000659                          MOVE ALL '='                     TO WS-
HA-EXEC-TEXT-T1.           261
  000660                          MOVE 'ABEND'                     TO WS-
HA-EXEC-TEXT-T2.           262
  000661                          MOVE 'EXEC CICS'                 TO WS-
HA-EXEC-TEXT-T3.           263
  000662                          MOVE 'INQUIRE TRANSACTION'       TO WS-
HA-EXEC-TEXT-T4.           264
  000663                          MOVE WS-INQ-TRANSID-CNST         TO WS-
HA-EXEC-TEXT-T5.           26 265
  000664                          MOVE SPACES                      TO WS-
HA-EXEC-TEXT-T6.           IMP 266
  000665                          MOVE WS-RT-MSG-NBR-TEXT(WS-HA-ERR-MSG-
TRANSIDERR)                  419 273
  000666                            TO WS-HA-EXEC-TEXT-T7.
267
  000667                          MOVE ALL '='                     TO WS-
HA-EXEC-TEXT-T8.           268
  000668                  *
  000669                          EXEC CICS
  000670                              INQUIRE TRANSACTION(WS-INQ-TRANSID-
CNST)
  000671                                    RESP       (WS-RESPONSE-
CODE)
  000672                                    RESP2      (WS-RESPONSE-
CODE2)
  000673                          END-EXEC.
```

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```
EXT 43
  000674                         *
  000675                           IF WS-RESPONSE-CODE = DFHRESP(NORMAL)
42
  000676     1                       CONTINUE
  000677                           ELSE
  000678     1                         MOVE 'INQUIRE TRANSACTION'   TO WS-
RT-MSG-HEADER                    432
  000679     1                         MOVE 'ERROR              '   TO WS-
RT-MSG-NORMAL                    434
  000680     1                         MOVE WS-INQ-TRANSID-CNST     TO WS-
RT-MSG-OTHER                     26 436
  000681     1                         PERFORM 9700-RESPTEXT
1017
  000682                           END-IF.
  000683                         *
  000684                           MOVE SPACES                      TO WS-
HA-EXEC-TEXT.                    IMP 260
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+----5----+----6----+----7-|--+----8 Map and Cross Reference
  000685                           MOVE ALL '='                     TO WS-
HA-EXEC-TEXT-T1.                 261
  000686                           MOVE 'ABEND'                     TO WS-
HA-EXEC-TEXT-T2.                 262
  000687                           MOVE 'EXEC CICS'                 TO WS-
HA-EXEC-TEXT-T3.                 263
  000688                           MOVE 'RETURN TRANSID'            TO WS-
HA-EXEC-TEXT-T4.                 264
  000689                           MOVE WS-INQ-TRANSID-CNST         TO WS-
HA-EXEC-TEXT-T5.                 26 265
  000690                           MOVE SPACES                      TO WS-
HA-EXEC-TEXT-T6.                 IMP 266
  000691                           MOVE WS-RT-MSG-NBR-TEXT(WS-HA-ERR-MSG-
TRANSIDERR)                       419 273
  000692                             TO WS-HA-EXEC-TEXT-T7.
267
  000693                           MOVE ALL '='                     TO WS-
```

```
HA-EXEC-TEXT-T8.                  268
  000694                    *
  000695                        EXEC CICS
  000696                            RETURN TRANSID (WS-INQ-TRANSID-
CNST)
  000697                                   COMMAREA(WS-COMMUNICATION-
AREA)
  000698                            RESP    (WS-RESPONSE-CODE)
  000699                            RESP2   (WS-RESPONSE-CODE2)
  000700                        END-EXEC.
EXT 43
  000701              *
  000702                        IF WS-RESPONSE-CODE = DFHRESP(NORMAL)
42
  000703        1              CONTINUE
  000704                        ELSE
  000705        1              MOVE 'RETURN TRANSID '      TO WS-
RT-MSG-HEADER             432
  000706        1              MOVE 'ERROR          '      TO WS-
RT-MSG-NORMAL             434
  000707        1              MOVE WS-INQ-TRANSID-CNST     TO WS-
RT-MSG-OTHER              26 436
  000708        1              PERFORM 9700-RESPTEXT
1017
  000709                        END-IF.
  000710              *
  000711                     1000-PROCESS-CUSTOMER-MAP.
  000712              *
  000713                        PERFORM 1100-RECEIVE-CUSTOMER-MAP.
727
  000714                        PERFORM 1200-EDIT-CUSTOMER-DATA.
761
  000715              *
  000716                        IF WS-VALID-DATA-88
35
  000717        1              PERFORM 1300-GET-CUSTOMER-RECORD
769
  000718        1              SET WS-SEND-DATAONLY-88
38
```

```
  000719      1                     TO TRUE
  000720      1                     PERFORM 1400-SEND-CUSTOMER-MAP
823
  000721                       ELSE
  000722      1                     SET WS-SEND-DATAONLY-ALARM-88
39
  000723      1                        TO TRUE
  000724      1                     PERFORM 1400-SEND-CUSTOMER-MAP
823
  000725                       END-IF.
  000726               *
  000727                 1100-RECEIVE-CUSTOMER-MAP.
  000728               *
  000729                     MOVE SPACES                     TO WS-
HA-EXEC-TEXT.          IMP 260
  000730                     MOVE ALL '='                    TO WS-
HA-EXEC-TEXT-T1.          261
  000731                     MOVE 'ABEND'                    TO WS-
HA-EXEC-TEXT-T2.          262
  000732                     MOVE 'EXEC CICS'                TO WS-
HA-EXEC-TEXT-T3.          263
  000733                     MOVE 'RECEIVE MAP - MAPSET/MAP'  TO WS-
HA-EXEC-TEXT-T4.          264
  000734                     MOVE WS-INQ-MAPSET-CNST         TO WS-
HA-EXEC-TEXT-T5.          27 265
  000735                     MOVE WS-INQ-MAP-CNST            TO WS-
HA-EXEC-TEXT-T6.          28 266
  000736                     MOVE WS-RT-MSG-NBR-TEXT(WS-HA-ERR-MSG-
MAPFAIL)                  419 274
  000737                       TO WS-HA-EXEC-TEXT-T7.
267
  000738                     MOVE ALL '='                    TO WS-
HA-EXEC-TEXT-T8.          268
  000739            *
  000740                     EXEC CICS
  000741                        RECEIVE MAP   (WS-INQ-MAP-CNST)
```
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```
+----5----+----6----+----7-|--+----8 Map and Cross Reference
  000742                            MAPSET(WS-INQ-MAPSET-CNST)
  000743                            INTO  (INQMF2AI)
  000744                            RESP  (WS-RESPONSE-CODE)
  000745                            RESP2 (WS-RESPONSE-CODE2)
  000746                    END-EXEC.
EXT 43
  000747              *
  000748                    IF WS-RESPONSE-CODE = DFHRESP(NORMAL)
42
  000749      1              CONTINUE
  000750                    ELSE
  000751      1              MOVE 'RECEIVE MAP - MAPSET/MAP'
  000752      1                TO WS-RT-MSG-HEADER
432
  000753      1              MOVE WS-INQ-MAPSET-CNST      TO WS-
RT-MSG-NORMAL               27 434
  000754      1              MOVE WS-INQ-MAP-CNST        TO WS-
RT-MSG-OTHER                28 436
  000755      1              PERFORM 9700-RESPTEXT
1017
  000756                    END-IF.
  000757              *
  000758                    INSPECT INQMF2AI
442
  000759                      REPLACING ALL '_' BY SPACE.
IMP
  000760              *
  000761              1200-EDIT-CUSTOMER-DATA.
  000762              *
  000763                    IF      CUSTNOL = ZERO
450 IMP
  000764                        OR CUSTNOI = SPACE
455 IMP
  000765      1              MOVE WS-FALSE-CNST          TO WS-
VALID-DATA-FLAG             18 34
  000766      1              MOVE WS-ENTER-CUST-NBR      TO
MESSAGEO                    56 541
  000767                    END-IF.
```

```
 000768                      *
 000769                       1300-GET-CUSTOMER-RECORD.
 000770                          PERFORM 8100-CMF-OPEN.
932
 000771
 000772                      *
 000773                          MOVE SPACES                        TO WS-
HA-EXEC-TEXT.                   IMP 260
 000774                          MOVE ALL '='                       TO WS-
HA-EXEC-TEXT-T1.                261
 000775                          MOVE 'ABEND'                       TO WS-
HA-EXEC-TEXT-T2.                262
 000776                          MOVE 'READ FILE'
 000777                            TO WS-HA-EXEC-TEXT-T3.
263
 000778                          MOVE 'EXEC CICS READ FILE'
 000779                            TO WS-HA-EXEC-TEXT-T4.
264
 000780                          MOVE WS-CMF-FILE-NAME-CNST      TO WS-
HA-EXEC-TEXT-T5.                31 265
 000781                          MOVE SPACES                        TO WS-
HA-EXEC-TEXT-T6.                IMP 266
 000782                          MOVE WS-RT-MSG-NBR-TEXT(WS-HA-ERR-MSG-
FILENOTFOUND)                      419 271
 000783                            TO WS-HA-EXEC-TEXT-T7.
267
 000784                          MOVE ALL '='                       TO WS-
HA-EXEC-TEXT-T8.                268
 000785                      *
 000786                          EXEC CICS
 000787                            READ FILE  (WS-CMF-FILE-NAME-CNST)
 000788                                INTO  (WS-CUSTOMER-MASTER-
RECORD)
 000789                                RIDFLD(CUSTNOI)
 000790                                RESP  (WS-RESPONSE-CODE)
 000791                                RESP2 (WS-RESPONSE-CODE2)
 000792                          END-EXEC.
EXT 43
 000793                      *
```

```
  000794                              IF WS-RESPONSE-CODE = DFHRESP(NORMAL)
42
  000795       1                         MOVE SPACES                       TO
MESSAGEO                         IMP 541
  000796       1                         MOVE WS-CM-LAST-NAME              TO
LNAMEO                           555 517
  000797       1                         MOVE WS-CM-FIRST-NAME             TO
FNAMEO                           554 521
  000798       1                         MOVE WS-CM-ADDRESS                TO
ADDRO                            556 525
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   LineID  PL SL  ----+-*A-1-B--+----2----+----3----+----4----
+----5----+----6----+----7-|--+----8 Map and Cross Reference
  000799       1                         MOVE WS-CM-CITY                   TO
CITYO                            557 529
  000800       1                         MOVE WS-CM-STATE                  TO
STATEO                           558 533
  000801       1                         MOVE WS-CM-ZIP-CODE               TO
ZIPCODEO                         559 537
  000802       1                      ELSE IF WS-RESPONSE-CODE =
DFHRESP(NOTFND)                         42
  000803       2                         MOVE WS-FALSE-CNST                TO WS-
VALID-DATA-FLAG                  18 34
  000804       2                         MOVE WS-CUST-DOES-NOT-EXIST  TO
MESSAGEO                         62 541
  000805       2                         MOVE SPACES                       TO
LNAMEO                           IMP 517
  000806       2
FNAMEO                           521
  000807       2
ADDRO                            525
  000808       2
CITYO                            529
  000809       2
STATEO                           533
  000810       2
ZIPCODEO                         537
  000811       1              ELSE
```

```
  000812     2                       MOVE 'READ FILE       '      TO WS-
RT-MSG-HEADER                432
  000813     2                       MOVE 'ERROR           '      TO WS-
RT-MSG-NORMAL                434
  000814     2                       MOVE WS-CMF-FILE-NAME-CNST   TO WS-
RT-MSG-OTHER                 31 436
  000815     2                       PERFORM 9700-RESPTEXT
1017
  000816     1          END-IF.
  000817
  000818                     PERFORM 8200-CMF-CLOSE.
974
  000819
  000820
  000821
  000822                *
  000823                 1400-SEND-CUSTOMER-MAP.
  000824                *
  000825                   EVALUATE TRUE
  000826                      WHEN WS-SEND-ERASE-88
37
  000827     1                  MOVE SPACES              TO WS-
HA-EXEC-TEXT                IMP 260
  000828     1                  MOVE ALL '='             TO WS-
HA-EXEC-TEXT-T1             261
  000829     1                  MOVE 'ABEND'             TO WS-
HA-EXEC-TEXT-T2             262
  000830     1                  MOVE 'EVALUATE WHEN WS-SEND-
ERASE-88'
  000831     1                     TO WS-HA-EXEC-TEXT-T3
263
  000832     1                  MOVE 'EXEC CICS SEND MAP -
MAPSET/MAP'
  000833     1                     TO WS-HA-EXEC-TEXT-T4
264
  000834     1                  MOVE WS-INQ-MAPSET-CNST  TO WS-
HA-EXEC-TEXT-T5             27 265
  000835     1                  MOVE WS-INQ-MAP-CNST     TO WS-
HA-EXEC-TEXT-T6             28 266
```

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```
  000836      1                          MOVE WS-RT-MSG-NBR-TEXT(WS-HA-
ERR-MSG-MAPFAIL)                  419 274
  000837      1                             TO WS-HA-EXEC-TEXT-T7
267
  000838      1                          MOVE ALL '='            TO WS-
HA-EXEC-TEXT-T8                   268
  000839              *
  000840      1                          EXEC CICS
  000841      1                             SEND MAP   (WS-INQ-MAP-
CNST)
  000842      1                                   MAPSET(WS-INQ-MAPSET-
CNST)
  000843      1                                   FROM  (INQMF2AO)
  000844      1                                   ERASE
  000845      1                                   RESP  (WS-RESPONSE-
CODE)
  000846      1                                   RESP2 (WS-RESPONSE-
CODE2)
  000847      1                          END-EXEC
EXT 43
  000848              *
  000849      1                          IF WS-RESPONSE-CODE =
DFHRESP(NORMAL)                    42
  000850      2                             CONTINUE
  000851      1                          ELSE
  000852      2                             MOVE 'SEND MAP    ' TO WS-
RT-MSG-HEADER                     432
  000853      2                             MOVE 'ERROR       ' TO WS-
RT-MSG-NORMAL                     434
  000854      2                             MOVE 'ERASE       ' TO WS-
RT-MSG-OTHER                      436
  000855      2                             PERFORM 9700-RESPTEXT
1017
```

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+----5----+----6----+----7-|--+----8 Map and Cross Reference
```
  000856      1                          END-IF
  000857              *
```

```
  000858                          WHEN WS-SEND-DATAONLY-88
38
  000859      1                       MOVE SPACES              TO WS-
HA-EXEC-TEXT                    IMP 260
  000860      1                       MOVE ALL '='             TO WS-
HA-EXEC-TEXT-T1                 261
  000861      1                       MOVE 'ABEND'             TO WS-
HA-EXEC-TEXT-T2                 262
  000862      1                   MOVE 'EVALUATE WHEN WS-SEND-
DATAONLY-88'
  000863      1                     TO WS-HA-EXEC-TEXT-T3
263
  000864      1                   MOVE 'EXEC CICS SEND MAP -
MAPSET/MAP'
  000865      1                     TO WS-HA-EXEC-TEXT-T4
264
  000866      1                   MOVE WS-INQ-MAPSET-CNST  TO WS-
HA-EXEC-TEXT-T5                 27 265
  000867      1                   MOVE WS-INQ-MAP-CNST     TO WS-
HA-EXEC-TEXT-T6                 28 266
  000868      1                   MOVE WS-RT-MSG-NBR-TEXT(WS-HA-
ERR-MSG-MAPFAIL)                 419 274
  000869      1                     TO WS-HA-EXEC-TEXT-T7
267
  000870      1                       MOVE ALL '='             TO WS-
HA-EXEC-TEXT-T8                 268
  000871                     *
  000872      1                   EXEC CICS
  000873      1                     SEND MAP   (WS-INQ-MAP-
CNST)
  000874      1                          MAPSET(WS-INQ-MAPSET-
CNST)
  000875      1                          FROM  (INQMF2A0)
  000876      1                          DATAONLY
  000877      1                          RESP  (WS-RESPONSE-
CODE)
  000878      1                          RESP2 (WS-RESPONSE-
CODE2)
  000879      1                   END-EXEC
```

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EXT 43
```
  000880                    *
  000881      1                        IF WS-RESPONSE-CODE =
DFHRESP(NORMAL)                          42
  000882      2                          CONTINUE
  000883      1                        ELSE
  000884      2                          MOVE 'SEND MAP    ' TO WS-
RT-MSG-HEADER              432
  000885      2                          MOVE 'ERROR       ' TO WS-
RT-MSG-NORMAL              434
  000886      2                          MOVE 'DATAONLY    ' TO WS-
RT-MSG-OTHER               436
  000887      2                          PERFORM 9700-RESPTEXT
1017
  000888      1                        END-IF
  000889                    *
  000890                      WHEN WS-SEND-DATAONLY-ALARM-88
39
  000891      1                        MOVE SPACES            TO WS-
HA-EXEC-TEXT          IMP 260
  000892      1                        MOVE ALL '='           TO WS-
HA-EXEC-TEXT-T1           261
  000893      1                        MOVE 'ABEND'           TO WS-
HA-EXEC-TEXT-T2           262
  000894      1                        MOVE 'EVALUATE WHEN WS-SEND-
DATAONLY-ALARM-88'
  000895      1                          TO WS-HA-EXEC-TEXT-T3
263
  000896      1                        MOVE 'EXEC CICS SEND MAP -
MAPSET/MAP'
  000897      1                          TO WS-HA-EXEC-TEXT-T4
264
  000898      1                        MOVE WS-INQ-MAPSET-CNST  TO WS-
HA-EXEC-TEXT-T5       27 265
  000899      1                        MOVE WS-INQ-MAP-CNST     TO WS-
HA-EXEC-TEXT-T6       28 266
  000900      1                        MOVE WS-RT-MSG-NBR-TEXT(WS-HA-
ERR-MSG-MAPFAIL)         419 274
  000901      1                          TO WS-HA-EXEC-TEXT-T7
```

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267
  000902      1                              MOVE ALL '='             TO WS-
HA-EXEC-TEXT-T8                  268
  000903                       *
  000904      1                              EXEC CICS
  000905      1                                  SEND MAP   (WS-INQ-MAP-
CNST)
  000906      1                                       MAPSET(WS-INQ-MAPSET-
CNST)
  000907      1                                       FROM   (INQMF2AO)
  000908      1                                       DATAONLY
  000909      1                                       ALARM
  000910      1                                       RESP   (WS-RESPONSE-
CODE)
  000911      1                                       RESP2 (WS-RESPONSE-
CODE2)
  000912      1                              END-EXEC
EXT 43
PP 5655-EC6 IBM Enterprise COBOL for z/OS  6.3.0 P240628
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   LineID  PL SL  ----+-*A-1-B--+----2----+----3----+----4----
+----5----+----6----+----7-|--+----8 Map and Cross Reference
  000913                       *
  000914      1                              IF WS-RESPONSE-CODE =
DFHRESP(NORMAL)                  42
  000915      2                                  CONTINUE
  000916      1                              ELSE
  000917      2                                  MOVE 'SEND MAP     ' TO WS-
RT-MSG-HEADER                    432
  000918      2                                  MOVE 'ERROR        ' TO WS-
RT-MSG-NORMAL                    434
  000919      2                                  MOVE 'DATAONLY-ALARM'
  000920      2                                    TO WS-RT-MSG-OTHER
436
  000921      2                                  PERFORM 9700-RESPTEXT
1017
  000922      1                              END-IF
  000923                       *
  000924                       END-EVALUATE.
```

```
  000925                    *
  000926

*****************************************************************
  000927                    * ADD PROCEDURE DIVISION COPY STATEMENTS
HERE
  000928                     COPY CMFOPEN.
  000929C                   *
  000930C                   * CMF OPEN PARAGRAPH
  000931C                   *
  000932C                    8100-CMF-OPEN.
  000933C                   *
  000934C                       MOVE SPACES                        TO
WS-HA-EXEC-TEXT.              IMP 260
  000935C                       MOVE ALL '='                       TO
WS-HA-EXEC-TEXT-T1.           261
  000936C                       MOVE 'ABEND OPEN'                  TO
WS-HA-EXEC-TEXT-T2.           262
  000937C                       MOVE 'EXEC CICS'                   TO
WS-HA-EXEC-TEXT-T3.           263
  000938C                       MOVE 'INQUIRE FILE'                TO
WS-HA-EXEC-TEXT-T4.           264
  000939C                       MOVE WS-CMF-FILE-NAME-CNST         TO
WS-HA-EXEC-TEXT-T5.           31 265
  000940C                       MOVE SPACES                        TO
WS-HA-EXEC-TEXT-T6.           IMP 266
  000941C                       MOVE WS-RT-MSG-NBR-TEXT(WS-HA-ERR-MSG-
FILENOTFOUND)                  419 271
  000942C                         TO WS-HA-EXEC-TEXT-T7.
267
  000943C                       MOVE ALL '='                       TO
WS-HA-EXEC-TEXT-T8.           268
  000944C                   *
  000945C                       EXEC CICS
  000946C                         INQUIRE FILE    (WS-CMF-FILE-NAME-
CNST)
  000947C                              OPENSTATUS  (WS-CMF-OPEN-
STATUS)
  000948C                              ENABLESTATUS(WS-CMF-ENABLE-
STATUS)
```

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```
  000949C                              RESP      (WS-RESPONSE-CODE)
  000950C                              RESP2     (WS-RESPONSE-CODE2)
  000951C                   END-EXEC.
EXT 43
  000952C                 *
  000953C                 IF WS-CMF-OPEN-STATUS =
DFHVALUE(CLOSED)                     570
  000954C      1              MOVE 'SET FILE OPEN'           TO
WS-HA-EXEC-TEXT-T4              264
  000955C      1              MOVE WS-CMF-FILE-NAME-CNST     TO
WS-HA-EXEC-TEXT-T5             31 265
  000956C      1              EXEC CICS
  000957C      1                 SET FILE  (WS-CMF-FILE-NAME-
CNST) OPEN
  000958C      1                         RESP  (WS-RESPONSE-CODE)
  000959C      1                         RESP2 (WS-RESPONSE-CODE2)
  000960C      1              END-EXEC
EXT 43
  000961C      1              MOVE WS-OPEN-CNST              TO
WS-CMF-OPEN                    21 567
  000962C      1           ELSE IF WS-CMF-OPEN-STATUS =
DFHVALUE(OPEN)                    570
  000963C      2                 NEXT SENTENCE
  000964C      1              ELSE
  000965C      2                 PERFORM 9700-RESPTEXT
1017
  000966C      1              END-IF
  000967C                 END-IF.
  000968C                 *
  000969                   *
PP 5655-EC6 IBM Enterprise COBOL for z/OS  6.3.0 P240628
CMINQF2A  Date 11/22/2024  Time 09:49:02    Page    20
  LineID  PL SL  ----+-*A-1-B--+----2----+----3----+----4----
+----5----+----6----+----7-|--+----8 Map and Cross Reference
  000970                   COPY CMFCLOSE.
  000971C                 *
  000972C                 * CMF CLOSE PARAGRAPH
  000973C                 *
  000974C                  8200-CMF-CLOSE.
```

```
  000975C                    *
  000976C                          MOVE SPACES                        TO
WS-HA-EXEC-TEXT.             IMP 260
  000977C                          MOVE ALL '='                       TO
WS-HA-EXEC-TEXT-T1.          261
  000978C                          MOVE 'ABEND CLOSE'                 TO
WS-HA-EXEC-TEXT-T2.          262
  000979C                          MOVE 'EXEC CICS'                   TO
WS-HA-EXEC-TEXT-T3.          263
  000980C                          MOVE 'INQUIRE FILE'                TO
WS-HA-EXEC-TEXT-T4.          264
  000981C                          MOVE WS-CMF-FILE-NAME-CNST         TO
WS-HA-EXEC-TEXT-T5.          31 265
  000982C                          MOVE SPACES                        TO
WS-HA-EXEC-TEXT-T6.          IMP 266
  000983C                          MOVE WS-RT-MSG-NBR-TEXT(WS-HA-ERR-MSG-
FILENOTFOUND)                419 271
  000984C                            TO WS-HA-EXEC-TEXT-T7.
267
  000985C                          MOVE ALL '='                       TO
WS-HA-EXEC-TEXT-T8.          268
  000986C                    *
  000987C                          EXEC CICS
  000988C                              INQUIRE FILE    (WS-CMF-FILE-NAME-
CNST)
  000989C                                  OPENSTATUS  (WS-CMF-OPEN-
STATUS)
  000990C                                  ENABLESTATUS(WS-CMF-ENABLE-
STATUS)
  000991C                                  RESP        (WS-RESPONSE-CODE)
  000992C                                  RESP2       (WS-RESPONSE-CODE2)
  000993C                          END-EXEC.
EXT 43
  000994C                    *
  000995C                          IF WS-RESPONSE-CODE = DFHRESP(NORMAL)
42
  000996C        1                     IF WS-CMF-OPEN-STATUS =
DFHVALUE(OPEN)                         570
  000997C        2                         MOVE 'SET FILE CLOSED'     TO
```

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```
WS-HA-EXEC-TEXT-T4                264
  000998C      2                    MOVE WS-CMF-FILE-NAME-CNST TO
WS-HA-EXEC-TEXT-T5                31 265
  000999C      2                    EXEC CICS
  001000C      2                       SET FILE  (WS-CMF-FILE-
NAME-CNST) CLOSED
  001001C      2                            RESP  (WS-RESPONSE-
CODE)
  001002C      2                            RESP2 (WS-RESPONSE-
CODE2)
  001003C      2                       END-EXEC
EXT 43
  001004C      2                       MOVE WS-CLOSED-CNST        TO
WS-CMF-OPEN                       22 567
  001005C      1                    END-IF
  001006C                         ELSE
  001007C      1                    PERFORM 9700-RESPTEXT
1017
  001008C                       END-IF.
  001009C                 *
  001010                  *
  001011
*****************************************************************
  001012                  *
  001013                   COPY RESPTEXT.
  001014C                  *
  001015C                  * ERROR HANDLING RESPONSE TEXT LOOKUP
PARAGRAPH
  001016C                  *
  001017C                   9700-RESPTEXT.
  001018C                  *
  001019C                       MOVE WS-RESPONSE-CODE          TO WS-
RT-RESP-NBR.                42 421
  001020C                       MOVE SPACES                    TO WS-
RT-MSG.                    IMP 426
  001021C                       MOVE WS-RT-MSG-HEADER          TO WS-
RT-MSG-HDR                 432 427
  001022C                  *
  001023C                       IF WS-RESPONSE-CODE = DFHRESP(NORMAL)
```

42
```
   001024C      1                       MOVE WS-RT-MSG-NORMAL        TO WS-
RT-MSG-T1                           434 429
   001025C      1                       MOVE WS-RT-MSG-OTHER        TO WS-
RT-MSG-T2                           436 430
   001026C                     ELSE
```
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  LineID PL SL ----+-*A-1-B--+----2----+----3----+----4----
+----5----+----6----+----7-|--+----8 Map and Cross Reference
```
   001027C      1                 IF WS-RT-RESP-NBR-VALID-88
422
   001028C      2                     MOVE WS-RT-MSG-NBR-TEXT(WS-RT-
RESP-NBR)                       419 421
   001029C      2                          TO WS-RT-MSG-T1
429
   001030C      2                     MOVE WS-RT-MSG-OTHER     TO WS-
RT-MSG-T2                         436 430
   001031C      1               ELSE
   001032C      2                     MOVE WS-RT-RESP-NBR-INVALID-MSG
424
   001033C      2                          TO WS-RT-MSG-T1
429
   001034C      2                     MOVE WS-RT-MSG-OTHER     TO WS-
RT-MSG-T2                         436 430
   001035C      1               END-IF
   001036C                 *
   001037C      1               MOVE EIBRESP              TO WS-
EM-RESP                         IMP 214
   001038C      1               MOVE EIBRESP2             TO WS-
EM-RESP2                        IMP 219
   001039C      1               MOVE EIBTRNID             TO WS-
EM-TRNID                        IMP 224
   001040C      1               MOVE EIBRSRCE             TO WS-
EM-RSRCE                        IMP 229
   001041C                 *
   001042C      1               MOVE WS-RT-MSG               TO WS-
EM-MSG                          426 234
   001043C                 *
```

```
  001044C      1                    EXEC CICS
  001045C      1                       SEND TEXT FROM(WS-EM-ERROR-
MESSAGE)
  001046C      1                            FREEKB
  001047C      1                            ERASE
  001048C      1                    END-EXEC
EXT
  001049C               *
  001050C      1                    STOP RUN
  001051C               *
  001052C                    END-IF.
  001053C               *
  001054                 *
  001055                  COPY TERMMSG.
  001056C               *
  001057C               * SEND TERMINATION MESSAGE PARAGRAPH
  001058C               *
  001059C                  9800-SEND-TERMINATION-MESSAGE.
  001060C               *
  001061C                    EXEC CICS
  001062C                       SEND TEXT FROM(WS-END-OF-SESSION-
MESSAGE)
  001063C                            ERASE
  001064C                            FREEKB
  001065C                    END-EXEC.
EXT
  001066C               *
  001067C                    EXEC CICS
  001068C                       RETURN
  001069C                    END-EXEC.
EXT
  001070C               *
  001071                 *
  001072                  COPY HDLABEND.
  001073C               *
  001074C               * HANDLE ABEND PARAGRAPH
  001075C               *
  001076C                  9900-HANDLE-ABEND.
  001077C               *
```

```
   001078C                       MOVE WS-HA-EXEC-TEXT               TO WS-
HA-HANDLE-ABEND-MSG.          260 243
   001079C               *
   001080C                       EXEC CICS
   001081C                          SEND TEXT FROM(WS-HA-HANDLE-ABEND-
MSG)
   001082C                            FREEKB
   001083C                            ERASE
```
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    LineID PL SL ----+-*A-1-B--+----2----+----3----+----4----
+----5----+----6----+----7-|--+----8 Map and Cross Reference
```
   001084C                       END-EXEC.
EXT
   001085C               *
   001086C                       EXEC CICS
   001087C                          RETURN
   001088C                       END-EXEC.
EXT
   001089C               *
   001090                *
```
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An "M" preceding a data-name reference indicates that the data-name
is modified by this reference.

 Defined   Cross-reference of data names   References

    471   ADDRA
    523   ADDRC
    469   ADDRF. 470
    524   ADDRH
    473   ADDRI
    468   ADDRL
    525   ADDRO. M798 M807
     97   ATTR-BLINK
    102   ATTR-BLUE
    101   ATTR-DEFAULT-COLOR
    105   ATTR-GREEN
```

```
108    ATTR-NEUTRAL
 96    ATTR-NO-HIGHLIGHT
104    ATTR-PINK
 83    ATTR-PROT
 85    ATTR-PROT-BRT
 86    ATTR-PROT-BRT-MDT
 87    ATTR-PROT-DARK
 88    ATTR-PROT-DARK-MDT
 84    ATTR-PROT-MDT
 89    ATTR-PROT-SKIP
 91    ATTR-PROT-SKIP-BRT
 92    ATTR-PROT-SKIP-BRT-MDT
 93    ATTR-PROT-SKIP-DARK
 94    ATTR-PROT-SKIP-DARK-MDT
 90    ATTR-PROT-SKIP-MDT
103    ATTR-RED
 98    ATTR-REVERSE
106    ATTR-TURQUOISE
 99    ATTR-UNDERSCORE
 71    ATTR-UNPROT
 73    ATTR-UNPROT-BRT
 74    ATTR-UNPROT-BRT-MDT
 75    ATTR-UNPROT-DARK
 76    ATTR-UNPROT-DARK-MDT
 72    ATTR-UNPROT-MDT
 77    ATTR-UNPROT-NUM
 79    ATTR-UNPROT-NUM-BRT
 80    ATTR-UNPROT-NUM-BRT-MDT
 81    ATTR-UNPROT-NUM-DARK
 82    ATTR-UNPROT-NUM-DARK-MDT
 78    ATTR-UNPROT-NUM-MDT
107    ATTR-YELLOW
 69    ATTRIBUTE-DEFINITIONS
477    CITYA
527    CITYC
475    CITYF. . . . . . . . . . . . . 476
528    CITYH
479    CITYI
474    CITYL
```

```
    529    CITYO. . . . . . . . . . . . .    M799 M808
    453    CUSTNOA
    511    CUSTNOC
    451    CUSTNOF. . . . . . . . . . . .    452
```
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 Defined   Cross-reference of data names   References

```
    512    CUSTNOH
    455    CUSTNOI. . . . . . . . . . . .    764
    450    CUSTNOL. . . . . . . . . . . .    763
    513    CUSTNOO
    141    DFHAID
    144    DFHCLEAR . . . . . . . . . . .    601
    145    DFHCLRP
    578    DFHCOMMAREA. . . . . . . . . .    580
      0    DFHEIGDI . . . . . . . . . . .    591
    143    DFHENTER . . . . . . . . . . .    643
    149    DFHMSRE
    142    DFHNULL
    148    DFHOPID
    152    DFHPA1 . . . . . . . . . . . .    607
    153    DFHPA2 . . . . . . . . . . . .    607
    154    DFHPA3 . . . . . . . . . . . .    607
    147    DFHPEN
    155    DFHPF1
    164    DFHPF10
    165    DFHPF11
    166    DFHPF12. . . . . . . . . . . .    611
    167    DFHPF13
    168    DFHPF14
    169    DFHPF15
    170    DFHPF16
    171    DFHPF17
    172    DFHPF18
    173    DFHPF19
    156    DFHPF2
    174    DFHPF20
    175    DFHPF21
```

```
176   DFHPF22
178   DFHPF23
179   DFHPF24
157   DFHPF3 . . . . . . . . . . . . 611
158   DFHPF4
159   DFHPF5
160   DFHPF6
161   DFHPF7
162   DFHPF8
163   DFHPF9
150   DFHSTRF
151   DFHTRIG
501   DUMMYA
543   DUMMYC
499   DUMMYF . . . . . . . . . . . . 500
544   DUMMYH
503   DUMMYI
498   DUMMYL
545   DUMMYO
  0   EIBAID . . . . . . . . . . . . 601 607 611 643
  0   EIBCALEN . . . . . . . . . . . 595
  0   EIBRESP. . . . . . . . . . . . 1037
  0   EIBRESP2 . . . . . . . . . . . 1038
  0   EIBRSRCE . . . . . . . . . . . 1040
```

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 Defined   Cross-reference of data names   References

```
  0   EIBTRNID . . . . . . . . . . . 1039
465   FNAMEA
519   FNAMEC
463   FNAMEF . . . . . . . . . . . . 464
520   FNAMEH
467   FNAMEI
462   FNAMEL
521   FNAMEO . . . . . . . . . . . . M797 M806
442   INQMF2AI . . . . . . . . . . . 504 M758
504   INQMF2AO . . . . . . . . . . . M596 M602 M647
459   LNAMEA
```

```
515    LNAMEC
457    LNAMEF . . . . . . . . . . .    458
516    LNAMEH
461    LNAMEI
456    LNAMEL
517    LNAMEO . . . . . . . . . . .    M796 M805
495    MESSAGEA
539    MESSAGEC
493    MESSAGEF . . . . . . . . . .    494
540    MESSAGEH
497    MESSAGEI
492    MESSAGEL
541    MESSAGEO . . . . . . . . . .    M648 M766 M795 M804
483    STATEA
531    STATEC
481    STATEF . . . . . . . . . . .    482
532    STATEH
485    STATEI
480    STATEL
533    STATEO . . . . . . . . . . .    M800 M809
447    TRANIDA
507    TRANIDC
445    TRANIDF. . . . . . . . . . .    446
508    TRANIDH
449    TRANIDI
444    TRANIDL
509    TRANIDO. . . . . . . . . . .    M597 M603
 24    WS-CICS-CNSTS
 22    WS-CLOSED-CNST . . . . . . .    1004
556    WS-CM-ADDRESS. . . . . . . .    798
557    WS-CM-CITY . . . . . . . . .    799
553    WS-CM-CUSTOMER-NUMBER
554    WS-CM-FIRST-NAME . . . . . .    797
552    WS-CM-KEY
555    WS-CM-LAST-NAME. . . . . . .    796
558    WS-CM-STATE. . . . . . . . .    800
559    WS-CM-ZIP-CODE . . . . . . .    801
569    WS-CMF-CLOSED-88
571    WS-CMF-ENABLE-STATUS
```

```
  31    WS-CMF-FILE-NAME-CNST. . . . .   780 814 939 955 981 998
 566    WS-CMF-FILE-STATUS-INFO
 567    WS-CMF-OPEN. . . . . . . . .     M961 M1004
 570    WS-CMF-OPEN-STATUS . . . . . .   953 962 996
 568    WS-CMF-OPEN-88
```

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```
  16    WS-CNSTS
  14    WS-COMMUNICATION-AREA
  62    WS-CUST-DOES-NOT-EXIST . . . .   804
 551    WS-CUSTOMER-MASTER-RECORD
 203    WS-EM-ERROR-LINE-1
 210    WS-EM-ERROR-LINE-2
 211    WS-EM-ERROR-LINE-3
 216    WS-EM-ERROR-LINE-4
 221    WS-EM-ERROR-LINE-5
 226    WS-EM-ERROR-LINE-6
 231    WS-EM-ERROR-LINE-7
 235    WS-EM-ERROR-LINE-8
 202    WS-EM-ERROR-MESSAGE
 234    WS-EM-MSG. . . . . . . . . .     M1042
 214    WS-EM-RESP . . . . . . . . .     M1037
 219    WS-EM-RESP2. . . . . . . . .     M1038
 229    WS-EM-RSRCE. . . . . . . . .     M1040
 224    WS-EM-TRNID. . . . . . . . .     M1039
  45    WS-END-OF-SESSION-MESSAGE
  56    WS-ENTER-CUST-NBR. . . . . . .   766
  18    WS-FALSE-CNST. . . . . . . .     765 803
  30    WS-FILE-CNSTS
  33    WS-FLAGS
 189    WS-GM-GENERAL-ERROR-MSG
 194    WS-GM-MSG
 190    WS-GM-RESP
 191    WS-GM-RESP2
 193    WS-GM-RSRCE
 192    WS-GM-TRNID
 271    WS-HA-ERR-MSG-FILENOTFOUND . .   782 941 983
```

```
       274    WS-HA-ERR-MSG-MAPFAIL. . . . .   736 836 868 900
       270    WS-HA-ERR-MSG-NBRS
       272    WS-HA-ERR-MSG-PGMIDERR . . . .   622
       273    WS-HA-ERR-MSG-TRANSIDERR . . .   665 691
       260    WS-HA-EXEC-TEXT. . . . . . . .   M584 M615 M658 M684 M729
M773 M827 M859 M891 M934 M976 1078
       261    WS-HA-EXEC-TEXT-T1 . . . . . .   M585 M616 M659 M685 M730
M774 M828 M860 M892 M935 M977
       262    WS-HA-EXEC-TEXT-T2 . . . . . .   M586 M617 M660 M686 M731
M775 M829 M861 M893 M936 M978
       263    WS-HA-EXEC-TEXT-T3 . . . . . .   M618 M661 M687 M732 M777
M831 M863 M895 M937 M979
       264    WS-HA-EXEC-TEXT-T4 . . . . . .   M619 M662 M688 M733 M779
M833 M865 M897 M938 M954 M980 M997
       265    WS-HA-EXEC-TEXT-T5 . . . . . .   M620 M663 M689 M734 M780
M834 M866 M898 M939 M955 M981 M998
       266    WS-HA-EXEC-TEXT-T6 . . . . . .   M621 M664 M690 M735 M781
M835 M867 M899 M940 M982
       267    WS-HA-EXEC-TEXT-T7 . . . . . .   M623 M666 M692 M737 M783
M837 M869 M901 M942 M984
       268    WS-HA-EXEC-TEXT-T8 . . . . . .   M587 M624 M667 M693 M738
M784 M838 M870 M902 M943 M985
       243    WS-HA-HANDLE-ABEND-MSG . . . .   M1078
       244    WS-HA-MSG-T1
       245    WS-HA-MSG-T2
       246    WS-HA-MSG-T3
       247    WS-HA-MSG-T4
       248    WS-HA-MSG-T5
       249    WS-HA-MSG-T6
       250    WS-HA-MSG-T7
       251    WS-HA-MSG-T8
       254    WS-HA-UNEXPECTED-ABEND . . . .   586
       257    WS-HA-UNHANDLED-ABEND
       253    WS-HANDLE-ABEND-MSGS
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        28    WS-INQ-MAP-CNST. . . . . . . .   735 754 835 867 899
```

```
    27    WS-INQ-MAPSET-CNST . . . . . .    734 753 834 866 898
    26    WS-INQ-TRANSID-CNST. . . . . .    597 603 663 680 689 707
    50    WS-KEY-INVALID . . . . . . . .    648
    25    WS-MEN-PROGRAM-CNST. . . . . .    620 637
    20    WS-NO-CNST
    21    WS-OPEN-CNST . . . . . . . . .    961
    42    WS-RESPONSE-CODE . . . . . . .    630 675 702 748 794 802
849 881 914 995 1019 1023
    41    WS-RESPONSE-CODES
    43    WS-RESPONSE-CODE2. . . . . . .    M629 M673 M700 M746 M792
M847 M879 M912 M951 M960 M993 M1003
   426    WS-RT-MSG. . . . . . . . . . .    M1020 1042
   427    WS-RT-MSG-HDR. . . . . . . . .    M1021
   432    WS-RT-MSG-HEADER . . . . . . .    M635 M678 M705 M752 M812
M852 M884 M917 1021
   419    WS-RT-MSG-NBR-TEXT . . . . . .    622 665 691 736 782 836
868 900 941 983 1028
   434    WS-RT-MSG-NORMAL . . . . . . .    M636 M679 M706 M753 M813
M853 M885 M918 1024
   436    WS-RT-MSG-OTHER. . . . . . . .    M638 M680 M707 M754 M814
M854 M886 M920 1025 1030 1034
   428    WS-RT-MSG-RESP-NBR
   288    WS-RT-MSG-TABLE-DATA . . . . .    418
   418    WS-RT-MSG-TABLE-DATA-R
   429    WS-RT-MSG-T1 . . . . . . . . .    M1024 M1029 M1033
   430    WS-RT-MSG-T2 . . . . . . . . .    M1025 M1030 M1034
   421    WS-RT-RESP-NBR . . . . . . . .    M1019 1028
   424    WS-RT-RESP-NBR-INVALID-MSG . .    1032
   422    WS-RT-RESP-NBR-VALID-88. . . .    1027
   289    WS-RT-001-ERROR
   290    WS-RT-002-RDATT
   291    WS-RT-003-WRBRK
   292    WS-RT-004-EOF
   293    WS-RT-005-EODS
   294    WS-RT-006-EOC
   295    WS-RT-007-INBFMH
   296    WS-RT-008-ENDINPT
   297    WS-RT-009-NONVAL
   298    WS-RT-010-NOSTART
```

```
299     WS-RT-011-TERMIDERR
300     WS-RT-012-FILENOTFOUND
301     WS-RT-013-NOTFND
302     WS-RT-014-DUPREC
303     WS-RT-015-DUPKEY
304     WS-RT-016-INVREQ
305     WS-RT-017-IOERR
306     WS-RT-018-NOSPACE
307     WS-RT-019-NOTOPEN
308     WS-RT-020-ENDFILE
309     WS-RT-021-ILLOGIC
310     WS-RT-022-LENGERR
311     WS-RT-023-QZERO
312     WS-RT-024-SIGNAL
313     WS-RT-025-QBUSY
314     WS-RT-026-ITEMERR
315     WS-RT-027-PGMIDERR
316     WS-RT-028-TRANSIDERR
317     WS-RT-029-ENDDATA
318     WS-RT-030-INVTSREQ
319     WS-RT-031-EXPIRED
```
PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.3.0 P240628
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 Defined   Cross-reference of data names   References

```
320     WS-RT-032-RETPAGE
321     WS-RT-033-RTEFAIL
322     WS-RT-034-RTESOME
323     WS-RT-035-TSIOERR
324     WS-RT-036-MAPFAIL
325     WS-RT-037-INVERRTERM
326     WS-RT-038-INVMPSZ
327     WS-RT-039-IGREQID
328     WS-RT-040-OVERFLOW
329     WS-RT-041-INVLDC
330     WS-RT-042-NOSTG
331     WS-RT-043-JIDERR
332     WS-RT-044-QIDERR
333     WS-RT-045-NOJBUFSP
```

```
334     WS-RT-046-DSSTAT
335     WS-RT-047-SELNERR
336     WS-RT-048-FUNCERR
337     WS-RT-049-UNEXPIN
338     WS-RT-050-NOPASSBKRD
339     WS-RT-051-NOPASSBKWR
340     WS-RT-052-SEGIDERR
341     WS-RT-053-SYSIDERR
342     WS-RT-054-ISCINVREQ
343     WS-RT-055-ENQBUSY
344     WS-RT-056-ENVDEFERR
345     WS-RT-057-IGREQCD
346     WS-RT-058-SESSIONERR
347     WS-RT-059-SYSBUSY
348     WS-RT-060-SESSBUSY
349     WS-RT-061-NOTALLOC
350     WS-RT-062-CBIDERR
351     WS-RT-063-INVEXITREQ
352     WS-RT-064-INVPARTNSET
353     WS-RT-065-INVPARTN
354     WS-RT-066-PARTNFAIL
355     WS-RT-067-NOTUSED
356     WS-RT-068-NOTUSED
357     WS-RT-069-USERIDERR
358     WS-RT-070-NOTAUTH
359     WS-RT-071-VOLIDERR
360     WS-RT-072-SUPPRESSED
361     WS-RT-073-NOTUSED
362     WS-RT-074-NOTUSED
363     WS-RT-075-RESIDERR
364     WS-RT-076-NOTUSED
365     WS-RT-077-NOTUSED
366     WS-RT-078-NOTUSED
367     WS-RT-079-NOTUSED
368     WS-RT-080-NOSPOOL
369     WS-RT-081-TERMERR
370     WS-RT-082-ROLLEDBACK
371     WS-RT-083-END
372     WS-RT-084-DISABLED
```

```
     373    WS-RT-085-ALLOCERR
     374    WS-RT-086-STRELERR
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 Defined   Cross-reference of data names   References

     375    WS-RT-087-OPENERR
     376    WS-RT-088-SPOLBUSY
     377    WS-RT-089-SPOLERR
     378    WS-RT-090-NODEIDERR
     379    WS-RT-091-TASKIDERR
     380    WS-RT-092-TCIDERR
     381    WS-RT-093-DSNNOTFOUND
     382    WS-RT-094-LOADING
     383    WS-RT-095-MODELIDERR
     384    WS-RT-096-OUTDESCRERR
     385    WS-RT-097-PARTNERIDERR
     386    WS-RT-098-PROFILEIDERR
     387    WS-RT-099-NETNAMEIDERR
     388    WS-RT-100-LOCKED
     389    WS-RT-101-RECORDBUSY
     390    WS-RT-102-UOWNOTFOUND
     391    WS-RT-103-UOWLNOTFOUND
     392    WS-RT-104-LINKABEND
     393    WS-RT-105-CHANGED
     394    WS-RT-106-PROCESSBUSY
     395    WS-RT-107-ACTIVITYBUSY
     396    WS-RT-108-PROCESSERR
     397    WS-RT-109-ACTIVITYERR
     398    WS-RT-110-CONTAINERERR
     399    WS-RT-111-EVENTERR
     400    WS-RT-112-TOKENERR
     401    WS-RT-113-NOTFINISHED
     402    WS-RT-114-POOLERR
     403    WS-RT-115-TIMERERR
     404    WS-RT-116-SYMBOLERR
     405    WS-RT-117-TEMPLATERR
     406    WS-RT-118-NOTSUPERUSER
     407    WS-RT-119-CSDERR
```

```
    408    WS-RT-120-DUPRES
    409    WS-RT-121-RESUNAVAIL
    410    WS-RT-122-CHANNELERR
    411    WS-RT-123-CCSIDERR
    412    WS-RT-124-TIMEDOUT
    413    WS-RT-125-CODEPAGEERR
    414    WS-RT-126-INCOMPLETE
    415    WS-RT-127-APPNOTFOUND
     39    WS-SEND-DATAONLY-ALARM-88. . .   M649 M722 890
     38    WS-SEND-DATAONLY-88. . . . . .   M718 858
     37    WS-SEND-ERASE-88 . . . . . . .   M598 M604 826
     36    WS-SEND-FLAG
     17    WS-TRUE-CNST
     48    WS-USER-MESSAGES
     34    WS-VALID-DATA-FLAG . . . . . .   M765 M803
     35    WS-VALID-DATA-88 . . . . . . .   716
     19    WS-YES-CNST
    489    ZIPCODEA
    535    ZIPCODEC
    487    ZIPCODEF . . . . . . . . . . .   488
    536    ZIPCODEH
    491    ZIPCODEI
```

PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.3.0 P240628
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 Defined   Cross-reference of data names   References

```
    486    ZIPCODEL
    537    ZIPCODEO . . . . . . . . . . .   M801 M810
```

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Context usage is indicated by the letter preceding a procedure-name reference.
These letters and their meanings are:
    A = ALTER (procedure-name)
    D = GO TO (procedure-name) DEPENDING ON
    E = End of range of (PERFORM) through (procedure-name)
    G = GO TO (procedure-name)
    P = PERFORM (procedure-name)
    T = (ALTER) TO PROCEED TO (procedure-name)

      U = USE FOR DEBUGGING (procedure-name)

 Defined   Cross-reference of procedures   References

     582   0000-PROCESS-CUSTOMER-INQUIRY
     711   1000-PROCESS-CUSTOMER-MAP. . .   P644
     727   1100-RECEIVE-CUSTOMER-MAP. . .   P713
     761   1200-EDIT-CUSTOMER-DATA. . . .   P714
     769   1300-GET-CUSTOMER-RECORD . . .   P717
     823   1400-SEND-CUSTOMER-MAP P599 P605 P651 P720 P724
     932   8100-CMF-OPEN. P770
     974   8200-CMF-CLOSE P612 P818
    1017   9700-RESPTEXT. P639 P681 P708 P755 P815
P855 P887 P921 P965 P1007
    1059   9800-SEND-TERMINATION-MESSAGE
    1076   9900-HANDLE-ABEND
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 Defined   Cross-reference of programs   References

       2   CMINQF2A
EXTERNAL   DFHEI1 . . . .   591 629 633 673 700 746
792 847 879 912 951 960 993 1003 1048 1065 1069 1084
                                 1088
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        COPY/BASIS cross-reference of text-names, library names
and dataset information

 Text-name Library   File name
Concat   ISPF statistics
 (Member) (DDNAME) (Dataset name)
Level   Created   Changed

 ATTR   SYSLIB   KC03F2A.DCMAFD02.COPYBOOK.WS.COBOL
2   2023/04/27   2024/11/06 17:11:21
 CMFCLOSE   SYSLIB   KC03F2A.DCMAFD02.COPYBOOK.PR.COBOL
3   2024/11/06   2024/11/06 17:09:12

```
 CMFOPEN   SYSLIB    KC03F2A.DCMAFD02.COPYBOOK.PR.COBOL
3    2023/04/27   2024/11/06 17:08:49
 CMFWSREC  SYSLIB    KC03F2A.DCMAFD02.COPYBOOK.WS.COBOL
2    2024/11/06   2024/11/06 17:12:03
 CMFWSSTS  SYSLIB    KC03F2A.DCMAFD02.COPYBOOK.WS.COBOL
2    2024/11/06   2024/11/06 17:12:47
 DFHAID    SYSLIB    DFH610.CICS.SDFHCOB
0
 ERRORSWS  SYSLIB    KC03F2A.DCMAFD02.COPYBOOK.WS.COBOL
2    2024/11/06   2024/11/06 17:13:16
 HDLABEND  SYSLIB    KC03F2A.DCMAFD02.COPYBOOK.PR.COBOL
3    2024/11/06   2024/11/06 17:09:56
 INQSF2A   SYSLIB    KC03F2A.DCMAFD02.A5P1.COBOL
1
 RESPTEXT  SYSLIB    KC03F2A.DCMAFD02.COPYBOOK.PR.COBOL
3    2024/11/06   2024/11/06 17:10:29
 TERMMSG   SYSLIB    KC03F2A.DCMAFD02.COPYBOOK.PR.COBOL
3    2024/11/06   2024/11/06 17:10:52
```

```
* Statistics for COBOL program CMINQF2A:
*    Source records = 1276
*    Data Division statements = 429
*    Procedure Division statements = 250
*    Generated COBOL statements = 72
*    Program complexity factor = 336
End of compilation 1,  program CMINQF2A,  no statements flagged.
Return code 0
DATA SET UTILITY — GENERATE
PAGE 0001


PROCESSING ENDED AT EOD
z/OS V2 R5 BINDER     09:49:05 FRIDAY NOVEMBER 22, 2024
BATCH EMULATOR  JOB(CMINQF2A) STEP(COMPLI  ) PGM= IEWL
PROCEDURE(LKED     )
IEW2278I B352 INVOCATION PARAMETERS — LIST,XREF,RENT,MAP
IEW2322I 1220  1      INCLUDE SYSLIB(DFHELII)
IEW2322I 1220  2      NAME CMINQF2A(R)
```

                    *** M O D U L E   M A P ***

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```
---------------
CLASS  C_CODE            LENGTH =      36B8  ATTRIBUTES = CAT,
LOAD, RMODE=ANY
                         OFFSET =         0 IN SEGMENT 001     ALIGN
= DBLWORD
---------------

 SECTION    CLASS                                       -------
SOURCE --------
  OFFSET   OFFSET  NAME                   TYPE    LENGTH  DDNAME   SEQ
MEMBER

            0   CMINQF2A               CSECT      36B8  SYSLIN    02
**NULL**
      0      0     CMINQF2A#C            LABEL
      0      0     CMINQF2A              LABEL


---------------
CLASS  B_TEXT            LENGTH =       C18  ATTRIBUTES = CAT,
LOAD, RMODE=ANY
                         OFFSET =      36B8 IN SEGMENT 001     ALIGN
= DBLWORD
---------------

 SECTION    CLASS                                       -------
SOURCE --------
  OFFSET   OFFSET  NAME                   TYPE    LENGTH  DDNAME   SEQ
MEMBER

            0   DFHELII                CSECT        28  SYSLIB    01
DFHELII
      0      0     DFHEPIN               LABEL
      8      8     DFHEXEC               LABEL
      8      8     DFHEI1                LABEL
      8      8     DFHEPI                LABEL
      8      8     DFHEI2                LABEL
      8      8     DFHEI3                LABEL
      8      8     DFHEI4                LABEL
```

```
       8       8       DFHEI5                LABEL
       8       8       DFHEI6                LABEL
       8       8       DFHEI7                LABEL
       8       8       DFHEI8                LABEL
       8       8       DFHEI9                LABEL
       8       8       DFHEI10               LABEL
       8       8       DFHEI11               LABEL
       8       8       DFHEI12               LABEL
       8       8       DFHEI13               LABEL
       8       8       DFHEI14               LABEL
       8       8       DFHEI15               LABEL
       8       8       DFHEI16               LABEL
       8       8       DFHEI17               LABEL
       8       8       DFHEI18               LABEL
       8       8       DFHEI01               LABEL
       8       8       DLZEI01               LABEL
       8       8       DLZEI02               LABEL
       8       8       DLZEI03               LABEL
       8       8       DLZEI04               LABEL


              28   IGZXBS61         *  CSECT         10  SYSLIB    02
IGZXBS61

              38   CEESG004         *  CSECT         34  SYSLIB    02
CEESG004

              70   IGZXRT1          *  CSECT         12  SYSLIB    02
IGZXRT1

              88   IGZXTREC         *  CSECT         12  SYSLIB    02
IGZXTREC

              A0   IGZXVMO          *  CSECT         12  SYSLIB    02
IGZXVMO
```

*** M O D U L E   M A P ***

```
 SECTION    CLASS                                      ———————
SOURCE ————————
```

OFFSET MEMBER	OFFSET	NAME	TYPE	LENGTH	DDNAME	SEQ
	B8	IGZXCMSG	* CSECT	12	SYSLIB	02
IGZXCMSG						
	D0	IGZXPRS	* CSECT	12	SYSLIB	02
IGZXPRS						
	E8	IGZXBST4	* CSECT	4E0	SYSLIB	02
IGZXBST4						
	5C8	CEEBETBL	* CSECT	28	SYSLIB	02
CEEBETBL						
	5F0	CEESTART	* CSECT	B0	SYSLIB	02
CEESTART						
	6A0	CEEBPUBT	* CSECT	70	SYSLIB	02
CEEBPUBT						
	710	CEEBTRM	* CSECT	74	SYSLIB	02
CEEBTRM						
	788	CEECPYRT	* CSECT	CF	SYSLIB	02
CEEBTRM						
	858	CEEBLLST	* CSECT	5C	SYSLIB	02
CEEBLLST						
10	868	CEELLIST	LABEL			
	8B8	CEEBINT	* CSECT	8	SYSLIB	02
CEEBINT						
	8C0	CEEARLU	* CSECT	B8	SYSLIB	02
CEEARLU						
	978	CEEBPIRA	* CSECT	2A0	SYSLIB	02
CEEINT						

```
          0     978      CEEINT            LABEL
          0     978      CEEBPIRB          LABEL
          0     978      CEEBPIRC          LABEL
                         *** M O D U L E   M A P ***


    _____
    CLASS  C_@@PPA2          LENGTH =        8  ATTRIBUTES = MRG,
    LOAD, RMODE=ANY

                             OFFSET =     42D0 IN SEGMENT 001     ALIGN
    = DBLWORD
    _____


               CLASS
               OFFSET NAME                    TYPE     LENGTH    SECTION
                  0  $PRIV000010     PART                 8  CMINQF2A


    _____
    CLASS  C_@@CSINIT        LENGTH =        4  ATTRIBUTES = MRG,
    LOAD, RMODE=ANY

                             OFFSET =     42D8 IN SEGMENT 001     ALIGN
    = DBLWORD
    _____


               CLASS
               OFFSET NAME                    TYPE     LENGTH    SECTION
                  0  $PRIV000011     PART                 4  CMINQF2A


    _____
    CLASS  B_LIT             LENGTH =      100  ATTRIBUTES = CAT,
    LOAD, RMODE=ANY

                             OFFSET =     42E0 IN SEGMENT 001     ALIGN
    = DBLWORD
    _____

     SECTION    CLASS                                          _____
    SOURCE _____
      OFFSET    OFFSET  NAME                     TYPE    LENGTH  DDNAME   SEQ
    MEMBER
```

```
                 0  IEWBLIT                CSECT         100
**NULL**
         0       0    IEWBLIT              LABEL
```

```
CLASS  C_WSA              LENGTH =         C8  ATTRIBUTES = MRG,
DEFER , RMODE=ANY
                          OFFSET =          0 IN SEGMENT 002     ALIGN
= DBLWORD
```

```
            CLASS
            OFFSET  NAME                   TYPE     LENGTH    SECTION
                 0  $PRIV000012    PART                10
                10  CMINQF2A#S     PART                B8  CMINQF2A
```

```
CLASS  C_CEESG003        LENGTH =          0  ATTRIBUTES = CAT,
NOLOAD
```

```
 SECTION    CLASS                                          -------
SOURCE --------
  OFFSET   OFFSET  NAME                   TYPE     LENGTH  DDNAME   SEQ
MEMBER

         0  CMINQF2A           CSECT          0  SYSLIN    02
**NULL**
```
        *** DATA SET SUMMARY ***

```
DDNAME     CONCAT   FILE IDENTIFICATION

SYSLIB     01      DFH610.CICS.SDFHLOAD
SYSLIB     02      CEE.SCEELKED
SYSLIN     02      SYS24327.T094859.RA000.CMINQF2A.LOADSET.H01
```
        *** SYMBOL REFERENCES NOT ASSOCIATED WITH ANY ADCON ***

```
TYPE   SCOPE   NAME
```

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          *** E N D   O F   M O D U L E   M A P ***

                              C R O S S – R E F E R E N C
E   T A B L E

_____

TEXT CLASS = C_CODE

--------------- R E F E R E N C E ------------------------- T A
R G E T ---
  CLASS   ELEMENT |
ELEMENT |
  OFFSET SECT/PART(ABBREV)   OFFSET TYPE | SYMBOL(ABBREV)
SECTION (ABBREV)   OFFSET CLASS NAME |
                                               |
|
     24 CMINQF2A   24 A–CON | CMINQF2A#C
CMINQF2A   0 C_CODE |
     2C CMINQF2A   2C A–CON | CMINQF2A#C
CMINQF2A   0 C_CODE |
     30 CMINQF2A   30 A–CON | CMINQF2A#C
CMINQF2A   0 C_CODE |
     34 CMINQF2A   34 A–CON | CMINQF2A#C
CMINQF2A   0 C_CODE |
     38 CMINQF2A   38 V–CON | IGZXBST4
IGZXBST4   0 B_TEXT |
     3C CMINQF2A   3C A–CON | CMINQF2A#C
CMINQF2A   0 C_CODE |
     44 CMINQF2A   44 A–CON | CMINQF2A#C
CMINQF2A   0 C_CODE |
   2574 CMINQF2A   2574 Q–CON | CMINQF2A#S
$NON–RELOCATABLE   10 C_WSA |
   2578 CMINQF2A   2578 V–CON | DFHEI1
DFHELII   8 B_TEXT |
   257C CMINQF2A   257C V–CON | IGZXPRS

```
IGZXPRS                           0 B_TEXT              |
    2580 CMINQF2A                      2580 V-CON | IGZXCMSG
IGZXCMSG                          0 B_TEXT              |
    2584 CMINQF2A                      2584 A-CON | CMINQF2A#C
CMINQF2A                          0 C_CODE              |
    2588 CMINQF2A                      2588 A-CON | CMINQF2A#C
CMINQF2A                          0 C_CODE              |
    258C CMINQF2A                      258C V-CON | IGZXVMO
IGZXVMO                           0 B_TEXT              |
    2590 CMINQF2A                      2590 V-CON | IGZXTREC
IGZXTREC                          0 B_TEXT              |
    2594 CMINQF2A                      2594 V-CON | IGZXRT1
IGZXRT1                           0 B_TEXT              |
    26B4 CMINQF2A                      26B4 A-CON | CMINQF2A#C
CMINQF2A                          0 C_CODE              |
    26C0 CMINQF2A                      26C0 A-CON | CMINQF2A#C
CMINQF2A                          0 C_CODE              |
    2818 CMINQF2A                      2818 A-CON | CMINQF2A#C
CMINQF2A                          0 C_CODE              |
    33DC CMINQF2A                      33DC A-CON | CMINQF2A#C
CMINQF2A                          0 C_CODE              |
    3604 CMINQF2A                      3604 A-CON | CEESTART
CEESTART                          0 B_TEXT              |
    3604 CMINQF2A                      3604 A-CON | CMINQF2A#C
CMINQF2A                          0 C_CODE              |
    361C CMINQF2A                      361C A-CON | CMINQF2A#C
CMINQF2A                          0 C_CODE              |
    3620 CMINQF2A                      3620 V-CON | CEESTART
CEESTART                          0 B_TEXT              |
    3624 CMINQF2A                      3624 V-CON | CEEBETBL
CEEBETBL                          0 B_TEXT              |
    3674 CMINQF2A                      3674 Q-CON | CMINQF2A#S
$NON-RELOCATABLE                 10 C_WSA               |
```

TEXT CLASS = B_TEXT

─────────────── R E F E R E N C E ───────────────────── T A
R G E T ───

```
  CLASS                             ELEMENT        |
ELEMENT                    |
  OFFSET SECT/PART(ABBREV)          OFFSET  TYPE | SYMBOL(ABBREV)
SECTION (ABBREV)          OFFSET CLASS NAME       |
                                                  |
|
      4C CEESG004                       14 A-CON | IGZEOPT
$UNRESOLVED(W)                                    |
      50 CEESG004                       18 A-CON | IGZETUN
$UNRESOLVED(W)                                    |
      54 CEESG004                       1C A-CON | IGZXRES1
$UNRESOLVED(W)                                    |
      58 CEESG004                       20 A-CON | IEWBLIT
IEWBLIT                   0 B_LIT               |
     538 IGZXBST4                      450 V-CON | CEEINT
CEEBPIRA                  0 B_TEXT              |
     53C IGZXBST4                      454 V-CON | CEEARLU
CEEARLU                   0 B_TEXT              |
     540 IGZXBST4                      458 A-CON | CEESG004
CEESG004                  0 B_TEXT              |
     5CC CEEBETBL                        4 V-CON | CEEBXITA
$UNRESOLVED(W)                                    |
     5D0 CEEBETBL                        8 V-CON | CEEBINT
CEEBINT                   0 B_TEXT              |
     5D4 CEEBETBL                        C V-CON | CEEBLLST
CEEBLLST                  0 B_TEXT              |
     5D8 CEEBETBL                       10 V-CON | CEEUOPT
$UNRESOLVED(W)                                    |
     5DC CEEBETBL                       14 V-CON | CEEBTRM
CEEBTRM                   0 B_TEXT              |
     5E4 CEEBETBL                       1C V-CON | CEEBPUBT
CEEBPUBT                  0 B_TEXT              |
```

                              C R O S S – R E F E R E N C
E T A B L E

_____

TEXT CLASS = B_TEXT

```
--------------- R E F E R E N C E ------------------------ T A
R G E T -------------------------------------------
  CLASS                          ELEMENT        |
ELEMENT                               |
  OFFSET SECT/PART(ABBREV)        OFFSET  TYPE | SYMBOL(ABBREV)
SECTION (ABBREV)        OFFSET CLASS NAME       |
                                               |
|
     5E8 CEEBETBL                  20 V-CON | IEWBLIT
IEWBLIT                 0 B_LIT              |
     64C CEESTART                  5C A-CON | CEEMAIN
$UNRESOLVED(W)                               |
     65C CEESTART                  6C C-LEN |
$NON-RELOCATABLE           B_PRV             |
     688 CEESTART                  98 A-CON | CEEFMAIN
$UNRESOLVED(W)                               |
     694 CEESTART                  A4 A-CON | CEEBETBL
CEEBETBL                0 B_TEXT             |
     698 CEESTART                  A8 A-CON | CEEROOTA
$UNRESOLVED(W)                               |
     69C CEESTART                  AC A-CON | CEEROOTD
$UNRESOLVED(W)                               |
     77C CEEBTRM                   6C A-CON | CEEBPUBT
CEEBPUBT                0 B_TEXT             |
     868 CEEBLLST                  10 A-CON | CEESG000
$UNRESOLVED(W)                               |
     86C CEEBLLST                  14 A-CON | CEESG001
$UNRESOLVED(W)                               |
     870 CEEBLLST                  18 A-CON | CEESG002
$UNRESOLVED(W)                               |
     874 CEEBLLST                  1C A-CON | CEESG003
$UNRESOLVED(W)                               |
     878 CEEBLLST                  20 A-CON | CEESG004
CEESG004                0 B_TEXT             |
     87C CEEBLLST                  24 A-CON | CEESG005
$UNRESOLVED(W)                               |
     880 CEEBLLST                  28 A-CON | CEESG006
```

```
$UNRESOLVED(W)                                         |
     884 CEEBLLST                       2C A-CON | CEESG007
$UNRESOLVED(W)                                         |
     888 CEEBLLST                       30 A-CON | CEESG008
$UNRESOLVED(W)                                         |
     88C CEEBLLST                       34 A-CON | CEESG009
$UNRESOLVED(W)                                         |
     890 CEEBLLST                       38 A-CON | CEESG010
$UNRESOLVED(W)                                         |
     894 CEEBLLST                       3C A-CON | CEESG011
$UNRESOLVED(W)                                         |
     898 CEEBLLST                       40 A-CON | CEESG012
$UNRESOLVED(W)                                         |
     89C CEEBLLST                       44 A-CON | CEESG013
$UNRESOLVED(W)                                         |
     8A0 CEEBLLST                       48 A-CON | CEESG014
$UNRESOLVED(W)                                         |
     8A4 CEEBLLST                       4C A-CON | CEESG015
$UNRESOLVED(W)                                         |
     8A8 CEEBLLST                       50 A-CON | CEESG016
$UNRESOLVED(W)                                         |
     BA8 CEEBPIRA                      230 A-CON | CEEBPUBT
CEEBPUBT                           0 B_TEXT        |
```

TEXT CLASS = C_@@PPA2

```
--------------- R E F E R E N C E ------------------------ T A
R G E T -----------------------------------------
  CLASS                            ELEMENT        |
ELEMENT                         |
  OFFSET SECT/PART(ABBREV)           OFFSET  TYPE | SYMBOL(ABBREV)
SECTION (ABBREV)            OFFSET CLASS NAME      |
                                                  |
|
     4 $PRIV000010                      4 A-CON | CMINQF2A#C
CMINQF2A                           0 C_CODE        |
```

TEXT CLASS = C_@@CSINIT

```
-------------- R E F E R E N C E ----------------------- T A
R G E T ------------------------------------------
  CLASS                            ELEMENT        |
ELEMENT                    |
  OFFSET SECT/PART(ABBREV)        OFFSET  TYPE | SYMBOL(ABBREV)
SECTION (ABBREV)          OFFSET CLASS NAME      |
                                                |
|
     0 $PRIV000011                      0 A-CON | CMINQF2A#C
CMINQF2A                     0 C_CODE           |
```

TEXT CLASS = B_LIT

```
-------------- R E F E R E N C E ----------------------- T A
R G E T ------------------------------------------
  CLASS                            ELEMENT        |
ELEMENT                    |
  OFFSET SECT/PART(ABBREV)        OFFSET  TYPE | SYMBOL(ABBREV)
SECTION (ABBREV)          OFFSET CLASS NAME      |
                                                |
|
    28 IEWBLIT                      28 L TOKE|
|
```

                                   C R O S S – R E F E R E N C
E T A B L E

_____

TEXT CLASS = B_LIT

```
-------------- R E F E R E N C E ----------------------- T A
R G E T ------------------------------------------
  CLASS                            ELEMENT        |
ELEMENT                    |
```

```
  OFFSET SECT/PART(ABBREV)          OFFSET  TYPE | SYMBOL(ABBREV)
SECTION (ABBREV)          OFFSET CLASS NAME       |
                                                  |
|
     50 IEWBLIT                         50 C-LEN |
$NON-RELOCATABLE                     B_TEXT       |
     54 IEWBLIT                         54 A-CON |
B_TEXT          |
     70 IEWBLIT                         70 C-LEN |
$NON-RELOCATABLE                     C_CODE       |
     74 IEWBLIT                         74 A-CON |
C_CODE          |
     90 IEWBLIT                         90 C-LEN |
$NON-RELOCATABLE                     C_WSA        |
     B0 IEWBLIT                         B0 C-LEN |
$NON-RELOCATABLE                     C_@@PPA2     |
     B4 IEWBLIT                         B4 A-CON |
C_@@PPA2          |
     D0 IEWBLIT                         D0 C-LEN |
$NON-RELOCATABLE                     C_@@CSINIT   |
     D4 IEWBLIT                         D4 A-CON |
C_@@CSINIT          |
     F0 IEWBLIT                         F0 C-LEN |
$NON-RELOCATABLE                     B_LIT        |
     F4 IEWBLIT                         F4 A-CON |
B_LIT          |


TEXT CLASS = C_WSA

--------------- R E F E R E N C E ----------------------- T A
R G E T ------------------------------------------
  CLASS                             ELEMENT      |
ELEMENT                  |
  OFFSET SECT/PART(ABBREV)          OFFSET  TYPE | SYMBOL(ABBREV)
SECTION (ABBREV)          OFFSET CLASS NAME       |
                                                  |
|
     28 CMINQF2A#S                      28 A-CON | CMINQF2A#C
```

```
CMINQF2A                          0 C_CODE          |
     2C CMINQF2A#S                      2C A—CON | CMINQF2A#C
CMINQF2A                          0 C_CODE          |
     30 CMINQF2A#S                      30 A—CON | CMINQF2A#C
CMINQF2A                          0 C_CODE          |
     34 CMINQF2A#S                      34 A—CON | CMINQF2A#C
CMINQF2A                          0 C_CODE          |
     38 CMINQF2A#S                      38 A—CON | CMINQF2A#C
CMINQF2A                          0 C_CODE          |
     3C CMINQF2A#S                      3C A—CON | CMINQF2A#C
CMINQF2A                          0 C_CODE          |
     40 CMINQF2A#S                      40 A—CON | CMINQF2A#C
CMINQF2A                          0 C_CODE          |
     44 CMINQF2A#S                      44 A—CON | CMINQF2A#C
CMINQF2A                          0 C_CODE          |
     50 CMINQF2A#S                      50 A—CON | CMINQF2A#S
$PRIV000003                      10 C_WSA           |
     54 CMINQF2A#S                      54 A—CON | CMINQF2A#C
CMINQF2A                          0 C_CODE          |
     9C CMINQF2A#S                      9C V—CON | CMINQF2A
CMINQF2A                          0 C_CODE          |
     B0 CMINQF2A#S                      B0 A—CON | CMINQF2A#S
$PRIV000003                      10 C_WSA           |
```

*** E N D O F C R O S S R E F E R E N C E ***

*** O P E R A T I O N S U M M A R Y R E P O R T ***

PROCESSING OPTIONS:

```
    ALIASES             NO
    ALIGN2              NO
    AMODE               UNSPECIFIED
    CALL                YES
    CASE                UPPER
    COMPAT              UNSPECIFIED
```

```
COMPRESS            AUTO
DCBS                NO
DYNAM               NO
EXTATTR             UNSPECIFIED
EXITS:              NONE
FILL                NONE
GID                 UNSPECIFIED
HOBSET              NO
INFO                NO
LET                 04
LINECT              060
LIST                SUMMARY
LISTPRIV            NO
LONGPARM            NO
MAP                 YES
MAXBLK              032760
MODMAP              NO
MSGLEVEL            00
OVLY                NO
PRINT               YES
RES                 NO
REUSABILITY         REENTRANT
RMODE               UNSPECIFIED
RMODEX              NO
SIGN                NO
STORENX             NOREPLACE
STRIPCL             NO
STRIPSEC            NO
SYMTRACE
TERM                NO
TRAP                ON
UID                 UNSPECIFIED
UPCASE              NO
WKSPACE             000000K,000000K
XCAL                NO
XREF                YES
***END OF OPTIONS***
```

SAVE OPERATION SUMMARY:

```
MEMBER NAME            CMINQF2A
LOAD LIBRARY           TSOECCC.CICSTS12.STUDENT.LOADLIB
PROGRAM TYPE           PROGRAM OBJECT(FORMAT 3)
VOLUME SERIAL          KCTR12
DISPOSITION            REPLACED
TIME OF SAVE           09.49.06  NOV 22, 2024
```

SAVE MODULE ATTRIBUTES:

```
AC                     000
AMODE                   31
COMPRESSION            NONE
DC                     NO
EDITABLE               YES
EXCEEDS 16MB           NO
EXECUTABLE             YES
LONGPARM               NO
MIGRATABLE             NO
OL                     NO
OVLY                   NO
PACK,PRIME             NO,NO
PAGE ALIGN             NO
REFR                   NO
RENT                   YES
REUS                   YES
RMODE                  ANY
SCTR                   NO
SIGN                   NO
SSI
SYM GENERATED          NO
TEST                   NO
XPLINK                 NO
MODULE SIZE (HEX)      000044A8
DASD SIZE (HEX)        0000E000
```

 ENTRY POINT AND ALIAS SUMMARY:

 NAME: ENTRY TYPE AMODE C_OFFSET CLASS NAME
STATUS

 CMINQF2A   MAIN_EP   31 00000000 C_CODE

                    *** E N D   O F   O P E R A T I O N   S U
M M A R Y   R E P O R T ***

z/OS V2 R5 BINDER   09:49:05 FRIDAY NOVEMBER 22, 2024
BATCH EMULATOR JOB(CMINQF2A) STEP(COMPLI) PGM= IEWL
PROCEDURE(LKED   )
IEW2008I 0F03 PROCESSING COMPLETED. RETURN CODE = 0.

 _____
MESSAGE SUMMARY REPORT
 _____
 TERMINAL MESSAGES   (SEVERITY = 16)
 NONE

 SEVERE MESSAGES   (SEVERITY = 12)
 NONE

 ERROR MESSAGES   (SEVERITY = 08)
 NONE

 WARNING MESSAGES   (SEVERITY = 04)
 NONE

 INFORMATIONAL MESSAGES (SEVERITY = 00)
 2008 2278 2322

**** END OF MESSAGE SUMMARY REPORT ****