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1          J E S 2   J O B   L O G   --   S Y S T E M   2 9 6 4   --   N O D E   S V S C J E
2          S 2
3 16.13.09 JOB08514 ---- SUNDAY,    28 FEB 2021 ----
4 16.13.09 JOB08514 IRR010I  USERID KC03AAB  IS ASSIGNED TO THIS JOB.
5 16.13.11 JOB08514 ICH70001I KC03AAB  LAST ACCESS AT 16:12:53 ON SUNDAY, FEBRUARY 28, 2021
6 16.13.11 JOB08514 $HASP373 CMMNTAAB STARTED - INIT 2      - CLASS A          - SYS 2964
7 16.13.16 JOB08514 $HASP395 CMMNTAAB ENDED - RC=0004
8 ----- JES2 JOB STATISTICS -----
9    28 FEB 2021 JOB EXECUTION DATE
10      14 CARDS READ
11      2,892 SYSOUT PRINT RECORDS
12      0 SYSOUT PUNCH RECORDS
13      173 SYSOUT SPOOL KBYTES
14      0.11 MINUTES EXECUTION TIME
15      1 //CMMNTAAB JOB 3U39171000034,MSGCLASS=Q,MSGLEVEL=(1,1)                                JOB08514
16      /*
17      2 //CICSPROC JCLLIB ORDER=(KC03AAB.A3.PROCLIB)
18      /*
19      /******
20      /*          TRANSLATE COMPILE
21      /*          AND LINK A CICS COBOL PROGRAM
22      /******
23      3 //COMPLI EXEC CMIFHAAB,
24      /* NAME OF PDS CONTAINING SOURCE
25      /*      STUDLIB='KC03AAB.A3.COBOL',
26      /*      LOADLIB='TSOECCC.CICSTS12.STUDENT.LOADLIB',
27      /* NAME OF PROGRAM AND ALSO NAME OF MEMBER WITHIN STUDLIB
28      /*      MEMBER='CMMNTAAB'
29      XX*****
30      XX*      This procedure, CICS COBL, contains 4 steps
31      XX*      1.  Exec the Cics translator
32      XX*      2.  Exec the AD/Cycle VS COBOL II compiler
33      XX*      3.  Reblock SDFHCOB(&STUB) for use by the linkedit step
34      XX*      4.  Linkedit the output
35      XX*****
36      4 XXCMIFHAAB PROC SUFFIX=1$,          Suffix for translator module
37      XX      INDEX='DFH540.CICS',          QUALIFIER(S) FOR CICS LIBRARIES
38      XX      NEWINDEX='DFH540.CICS',      QUALIFIER(S) FOR CICS LIBRARIES
39      XX      STUDLIB='KC03AAB.A3.COBOL',  NAME OF STUDENT SOURCE
40      XX      MEMBER='CMMNTAAB',
41      XX      LOADLIB='TSOECCC.CICSTS12.STUDENT.LOADLIB', CICS LOADLIB
42      XX      LE370HLQ='CEE',              Qualifier(s) for LE/370 libraries
43      XX      OUTC='*',                     Class for print output
44      XX      REG='0M',                     REGION SIZE FOR ALL STEPS
45      XX      LNKPARM='LIST,XREF,MAP',      Link edit parameters
46      XX      STUB='DFHEILIC',             Linkedit INCLUDE for DFHELII
47      XX      WORK='SYSDA'                  Unit for work datasets
48      XX*****
49      XX*      TRANSLATE THE COBOL/CICS PROGRAM
50      XX*****
51      5 XXTRN EXEC PGM=DFHECP&SUFFIX,
52      XX      PARM=('APOST,DEBUG,COBOL3,FLAGW,NOSEQ',
53      XX      'NONUM,LIST,NOXREF,SPACE1,CICS,SP'),
54      XX      REGION=&REG
55      IEFC653I SUBSTITUTION JCL - PGM=DFHECP1$,PARM=
('APOST,DEBUG,COBOL3,FLAGW,NOSEQ','NONUM,LIST,NOXREF,SPACE1,

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56      CICS,SP'),REGION=0M
57  6 XXSTEPLIB DD DSN=&NEWINDEX..SDFHLOAD,DISP=SHR
58      IEFC653I SUBSTITUTION JCL - DSN=DFH540.CICS.SDFHLOAD,DISP=SHR
59  7 XXSYSPRINT DD SYSOUT=&OUTC
60      IEFC653I SUBSTITUTION JCL - SYSOUT=*
61  8 XXSYSIN DD DSN=&STUDLIB(&MEMBER),DISP=SHR
62      IEFC653I SUBSTITUTION JCL - DSN=KC03AAB.A3.COBOL(CMMNTAAB),DISP=SHR
63  9 XXSYSPUNCH DD DSN=&&SYSCIN,
64      XX          DISP=(,PASS),UNIT=&WORK,
65      XX          DCB=BLKSIZE=400,
66      XX          SPACE=(400,(400,100))
67      XX*****
68      XX*      COMPILE THE COBOL/CICS PROGRAM
69      XX*****
70      XX*
71      XX*
72      XX* 07/23/15 REMOVED THE LIB PARM
73      IEFC653I SUBSTITUTION JCL - DSN=&&SYSCIN,DISP=
74      (,PASS),UNIT=SYSDA,DCB=BLKSIZE=400,SPACE=(400,(400,100))
75  10 XXCOB EXEC PGM=IGYCRCTL,REGION=&REG,
76      XX*      PARM='NODYNAM,OBJECT,RENT,APOST,MAP,XREF,VBREF,OFFSET'
77      XX*      PARM='RENT,APOST,OBJECT,NODYNAM,SIZE(1048376)'
78      XX*      PARM='NOXREF,NODBCS,APOST,OBJECT,NODYNAM'
79      XX*STEPLIB DD DSN=IGY.SIGYCOMP,DISP=SHR
80      IEFC653I SUBSTITUTION JCL -
81      PGM=IGYCRCTL,REGION=0M,PARM='NOXREF,NODBCS,APOST,OBJECT,NODYNAM'
82  11 XXSYSLIB DD DSN=&STUDLIB,DISP=SHR
83      XX*      DD DSN=&STUDLIB..SOURCE,DISP=SHR
84      XX*      DD DSN=&STUDLIB..SHARED.COPYBLKS,DISP=SHR
85      IEFC653I SUBSTITUTION JCL - DSN=KC03AAB.A3.COBOL,DISP=SHR
86  12 XX DD DSN=&INDEX..SDFHCOB,DISP=SHR
87      IEFC653I SUBSTITUTION JCL - DSN=DFH540.CICS.SDFHCOB,DISP=SHR
88  13 XX DD DSN=&INDEX..SDFHMAC,DISP=SHR
89      IEFC653I SUBSTITUTION JCL - DSN=DFH540.CICS.SDFHMAC,DISP=SHR
90  14 XX DD DSN=&INDEX..SDFHSAMP,DISP=SHR
91      IEFC653I SUBSTITUTION JCL - DSN=DFH540.CICS.SDFHSAMP,DISP=SHR
92  15 XXSYSPRINT DD SYSOUT=&OUTC
93      IEFC653I SUBSTITUTION JCL - SYSOUT=*
94  16 XXSYSIN DD DSN=&&SYSCIN,DISP=(OLD,DELETE)
95      XX* 07/23/15 NEW SYSLIN & ADDED SYMDECK & ADDITIONAL SYSUT DDS
96  17 XXSYSLIN DD DSN=&&LOADSET,DISP=(MOD,PASS),
97      XX          UNIT=&WORK,SPACE=(CYL,(1,1))
98      IEFC653I SUBSTITUTION JCL - DSN=&&LOADSET,DISP=(MOD,PASS),UNIT=SYSDA,SPACE=
99      (CYL,(1,1))
100  18 XXSYMDECK DD SPACE=(1024,(5,5)), AVGREC=K
101      XX          DCB=(LRECL=80,RECFM=F)
102  19 XXSYSUT1 DD UNIT=&WORK,SPACE=(1024,(5,5)),AVGREC=K
103      IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(1024,(5,5)),AVGREC=K
104  20 XXSYSUT2 DD UNIT=&WORK,SPACE=(1024,(5,5)),AVGREC=K
105      IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(1024,(5,5)),AVGREC=K
106  21 XXSYSUT3 DD UNIT=&WORK,SPACE=(1024,(5,5)),AVGREC=K
107      IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(1024,(5,5)),AVGREC=K
108  22 XXSYSUT4 DD UNIT=&WORK,SPACE=(1024,(5,5)),AVGREC=K
109      IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(1024,(5,5)),AVGREC=K
110  23 XXSYSUT5 DD UNIT=&WORK,SPACE=(1024,(5,5)),AVGREC=K
111      IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(1024,(5,5)),AVGREC=K
112  24 XXSYSUT6 DD UNIT=&WORK,SPACE=(1024,(5,5)),AVGREC=K

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110      IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(1024,(5,5)),AVGREC=K
111 25 XXSYSUT7 DD UNIT=&WORK,SPACE=(1024,(5,5)),AVGREC=K
112      IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(1024,(5,5)),AVGREC=K
113 26 XXSYSUT8 DD UNIT=&WORK,SPACE=(1024,(5,5)),AVGREC=K
114      IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(1024,(5,5)),AVGREC=K
115 27 XXSYSUT9 DD UNIT=&WORK,SPACE=(1024,(5,5)),AVGREC=K
116      IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(1024,(5,5)),AVGREC=K
117 28 XXSYSUT10 DD UNIT=&WORK,SPACE=(1024,(5,5)),AVGREC=K
118      IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(1024,(5,5)),AVGREC=K
119 29 XXSYSUT11 DD UNIT=&WORK,SPACE=(1024,(5,5)),AVGREC=K
120      IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(1024,(5,5)),AVGREC=K
121 30 XXSYSUT12 DD UNIT=&WORK,SPACE=(1024,(5,5)),AVGREC=K
122      IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(1024,(5,5)),AVGREC=K
123 31 XXSYSUT13 DD UNIT=&WORK,SPACE=(1024,(5,5)),AVGREC=K
124      IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(1024,(5,5)),AVGREC=K
125 32 XXSYSUT14 DD UNIT=&WORK,SPACE=(1024,(5,5)),AVGREC=K
126      IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(1024,(5,5)),AVGREC=K
127 33 XXSYSUT15 DD UNIT=&WORK,SPACE=(1024,(5,5)),AVGREC=K
128 XX*
129 XX*****
130 XX* COPY THE COBOL/CICS PROGRAM BEFORE LINK EDIT
131 XX*****
132      IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(1024,(5,5)),AVGREC=K
133 34 XXCOPYLINK EXEC PGM=IEBGENER,COND=(7,LT,COB)
134 35 XXSYSUT1 DD DSN=&INDEX..SDFHCOB(&STUB),DISP=SHR
135      IEFC653I SUBSTITUTION JCL - DSN=DFH540.CICS.SDFHCOB(DFHEILIC),DISP=SHR
136 36 XXSYSUT2 DD DSN=&&COPYLINK,DISP=(NEW,PASS),
137      XX DCB=(LRECL=80,BLKSIZE=400,RECFM=FB),
138      XX UNIT=&WORK,SPACE=(400,(20,20))
139      IEFC653I SUBSTITUTION JCL - DSN=&&COPYLINK,DISP=(NEW,PASS),DCB=
(LRECL=80,BLKSIZE=400,RECFM=FB),UNIT=SYSDA,
140      SPACE=(400,(20,20))
141 37 XXSYSPRINT DD SYSOUT=&OUTC
142      IEFC653I SUBSTITUTION JCL - SYSOUT=*
143 38 XXSYSIN DD DUMMY
144 XX*
145 XX*****
146 XX* LINK EDIT THE COBOL/CICS PROGRAM
147 XX*****
148 39 XXLKED EXEC PGM=IEWL,REGION=&REG,
149      XX PARM='&LNKPARM',COND=(5,LT,COB)
150      IEFC653I SUBSTITUTION JCL - PGM=IEWL,REGION=0M,PARM='LIST,XREF,MAP',COND=(5,LT,COB)
151 40 XXSYSLIB DD DSN=&LOADLIB,DISP=SHR
152      XX* DD DSN=&STUDLIB..SUBPLIB,DISP=SHR
153      XX* DD DSN=&STUDLIB..SHARED.LOADLIB,DISP=SHR
154      IEFC653I SUBSTITUTION JCL - DSN=TSOECCC.CICSTS12.STUDENT.LOADLIB,DISP=SHR
155 41 XX DD DSN=&NEWINDEX..SDFHLOAD,DISP=SHR
156      IEFC653I SUBSTITUTION JCL - DSN=DFH540.CICS.SDFHLOAD,DISP=SHR
157 42 XX DD DSN=&LE370HLQ..SCEELKED,DISP=SHR
158      IEFC653I SUBSTITUTION JCL - DSN=CEE.SCEELKED,DISP=SHR
159 43 XXSYSLMOD DD DSN=&LOADLIB.(&MEMBER),DISP=SHR
160      IEFC653I SUBSTITUTION JCL - DSN=TSOECCC.CICSTS12.STUDENT.LOADLIB(CMMNTAAB),DISP=SHR
161 44 XXSYSUT1 DD UNIT=&WORK,DCB=BLKSIZE=1024,
162      XX SPACE=(1024,(200,20))
163      IEFC653I SUBSTITUTION JCL - UNIT=SYSDA,DCB=BLKSIZE=1024,SPACE=(1024,(200,20))
164 45 XXSYSPRINT DD SYSOUT=&OUTC
165      IEFC653I SUBSTITUTION JCL - SYSOUT=*

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CMMNTAAB:JOB08514.spool

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166      46 XXSYSLIN      DD DSN=&&COPYLINK,DISP=(OLD,DELETE)
167      47 XX           DD DSN=&&LOADSET,DISP=(OLD,DELETE)
168      XX*             DD DDNAME=SYSIN
169      XX* 07/23/15 removed the sysin dd
170 STMT NO. MESSAGE
171      3 IEF001I PROCEDURE CMIFHAAB WAS EXPANDED USING PRIVATE LIBRARY KC03AAB.A3.PROCLIB
172 ICH70001I KC03AAB LAST ACCESS AT 16:12:53 ON SUNDAY, FEBRUARY 28, 2021
173 IEFA111I CMMNTAAB IS USING THE FOLLOWING JOB RELATED SETTINGS:
174      SWA=ABOVE,TIOT SIZE=32K,DSENQSHR=DISALLOW,GDGBIAS=JOB
175 IEF236I ALLOC. FOR CMMNTAAB TRN COMPLI
176 IEF237I 1A10 ALLOCATED TO STEPLIB
177 IEF237I JES2 ALLOCATED TO SYSPRINT
178 IGD103I SMS ALLOCATED TO DDNAME SYSIN
179 IGD101I SMS ALLOCATED TO DDNAME (SYSPUNCH)
180      DSN (SYS21059.T161309.RA000.CMMNTAAB.SYSCIN.H01 )
181      STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
182      VOL SER NOS= TEMP00
183 IEF142I CMMNTAAB TRN COMPLI - STEP WAS EXECUTED - COND CODE 0000
184 IEF285I DFH540.CICS.SDFHLOAD KEPT
185 IEF285I VOL SER NOS= VTDFHI.
186 IEF285I KC03AAB.CMMNTAAB.JOB08514.D0000101.? SYSOUT
187 IGD104I KC03AAB.A3.COBOL RETAINED, DDNAME=SYSIN
188 IGD106I SYS21059.T161309.RA000.CMMNTAAB.SYSCIN.H01 PASSED, DDNAME=SYSPUNCH
189 IEF373I STEP/TRN /START 2021059.1613
190 IEF032I STEP/TRN /STOP 2021059.1613
191      CPU: 0 HR 00 MIN 00.01 SEC SRB: 0 HR 00 MIN 00.00 SEC
192      VIRT: 7908K SYS: 256K EXT: 216K SYS: 13048K
193      ATB- REAL: 4128K SLOTS: 0K
194      VIRT- ALLOC: 13M SHRD: 0M
195 IEF236I ALLOC. FOR CMMNTAAB COB COMPLI
196 IGD103I SMS ALLOCATED TO DDNAME SYSLIB
197 IEF237I 1A10 ALLOCATED TO
198 IEF237I 1A10 ALLOCATED TO
199 IEF237I 1A10 ALLOCATED TO
200 IEF237I JES2 ALLOCATED TO SYSPRINT
201 IGD103I SMS ALLOCATED TO DDNAME SYSIN
202 IGD101I SMS ALLOCATED TO DDNAME (SYSLIN )
203      DSN (SYS21059.T161309.RA000.CMMNTAAB.LOADSET.H01 )
204      STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
205      VOL SER NOS= TEMP00
206 IGD101I SMS ALLOCATED TO DDNAME (SYSMDECK)
207      DSN (SYS21059.T161309.RA000.CMMNTAAB.R0115591 )
208      STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
209      VOL SER NOS= TEMP00
210 IGD101I SMS ALLOCATED TO DDNAME (SYSUT1 )
211      DSN (SYS21059.T161309.RA000.CMMNTAAB.R0115592 )
212      STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
213      VOL SER NOS= TEMP00
214 IGD101I SMS ALLOCATED TO DDNAME (SYSUT2 )
215      DSN (SYS21059.T161309.RA000.CMMNTAAB.R0115593 )
216      STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
217      VOL SER NOS= TEMP00
218 IGD101I SMS ALLOCATED TO DDNAME (SYSUT3 )
219      DSN (SYS21059.T161309.RA000.CMMNTAAB.R0115594 )
220      STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
221      VOL SER NOS= TEMP00
222 IGD101I SMS ALLOCATED TO DDNAME (SYSUT4 )

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223      DSN (SYS21059.T161309.RA000.CMMNTAAB.R0115595 )
224      STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
225      VOL SER NOS= TEMP00
226 IGD101I SMS ALLOCATED TO DDNAME (SYSUT5 )
227      DSN (SYS21059.T161309.RA000.CMMNTAAB.R0115596 )
228      STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
229      VOL SER NOS= TEMP00
230 IGD101I SMS ALLOCATED TO DDNAME (SYSUT6 )
231      DSN (SYS21059.T161309.RA000.CMMNTAAB.R0115597 )
232      STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
233      VOL SER NOS= TEMP00
234 IGD101I SMS ALLOCATED TO DDNAME (SYSUT7 )
235      DSN (SYS21059.T161309.RA000.CMMNTAAB.R0115598 )
236      STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
237      VOL SER NOS= TEMP00
238 IGD101I SMS ALLOCATED TO DDNAME (SYSUT8 )
239      DSN (SYS21059.T161309.RA000.CMMNTAAB.R0115599 )
240      STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
241      VOL SER NOS= TEMP00
242 IGD101I SMS ALLOCATED TO DDNAME (SYSUT9 )
243      DSN (SYS21059.T161309.RA000.CMMNTAAB.R0115600 )
244      STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
245      VOL SER NOS= TEMP00
246 IGD101I SMS ALLOCATED TO DDNAME (SYSUT10 )
247      DSN (SYS21059.T161309.RA000.CMMNTAAB.R0115601 )
248      STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
249      VOL SER NOS= TEMP00
250 IGD101I SMS ALLOCATED TO DDNAME (SYSUT11 )
251      DSN (SYS21059.T161309.RA000.CMMNTAAB.R0115602 )
252      STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
253      VOL SER NOS= TEMP00
254 IGD101I SMS ALLOCATED TO DDNAME (SYSUT12 )
255      DSN (SYS21059.T161309.RA000.CMMNTAAB.R0115603 )
256      STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
257      VOL SER NOS= TEMP00
258 IGD101I SMS ALLOCATED TO DDNAME (SYSUT13 )
259      DSN (SYS21059.T161309.RA000.CMMNTAAB.R0115604 )
260      STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
261      VOL SER NOS= TEMP00
262 IGD101I SMS ALLOCATED TO DDNAME (SYSUT14 )
263      DSN (SYS21059.T161309.RA000.CMMNTAAB.R0115605 )
264      STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
265      VOL SER NOS= TEMP00
266 IGD101I SMS ALLOCATED TO DDNAME (SYSUT15 )
267      DSN (SYS21059.T161309.RA000.CMMNTAAB.R0115606 )
268      STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
269      VOL SER NOS= TEMP00
270 IEF142I CMMNTAAB COB COMPLI - STEP WAS EXECUTED - COND CODE 0004
271 IGD104I KC03AAB.A3.COBOL RETAINED, DDNAME=SYSLIB
272 IEF285I DFH540.CICS.SDFHCOB KEPT
273 IEF285I VOL SER NOS= VTDFHI.
274 IEF285I DFH540.CICS.SDFHMAC KEPT
275 IEF285I VOL SER NOS= VTDFHI.
276 IEF285I DFH540.CICS.SDFHSAMP KEPT
277 IEF285I VOL SER NOS= VTDFHI.
278 IEF285I KC03AAB.CMMNTAAB.JOB08514.D0000102.? SYSOUT
279 IGD105I SYS21059.T161309.RA000.CMMNTAAB.SYSCIN.H01 DELETED, DDNAME=SYSIN

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CMMNTAAB:JOB08514.spool

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280 IGD106I SYS21059.T161309.RA000.CMMNTAAB.LOADSET.H01 PASSED, DDNAME=SYSLIN
281 IGD105I SYS21059.T161309.RA000.CMMNTAAB.R0115591 DELETED, DDNAME=SYSMDECK
282 IGD105I SYS21059.T161309.RA000.CMMNTAAB.R0115592 DELETED, DDNAME=SYSUT1
283 IGD105I SYS21059.T161309.RA000.CMMNTAAB.R0115593 DELETED, DDNAME=SYSUT2
284 IGD105I SYS21059.T161309.RA000.CMMNTAAB.R0115594 DELETED, DDNAME=SYSUT3
285 IGD105I SYS21059.T161309.RA000.CMMNTAAB.R0115595 DELETED, DDNAME=SYSUT4
286 IGD105I SYS21059.T161309.RA000.CMMNTAAB.R0115596 DELETED, DDNAME=SYSUT5
287 IGD105I SYS21059.T161309.RA000.CMMNTAAB.R0115597 DELETED, DDNAME=SYSUT6
288 IGD105I SYS21059.T161309.RA000.CMMNTAAB.R0115598 DELETED, DDNAME=SYSUT7
289 IGD105I SYS21059.T161309.RA000.CMMNTAAB.R0115599 DELETED, DDNAME=SYSUT8
290 IGD105I SYS21059.T161309.RA000.CMMNTAAB.R0115600 DELETED, DDNAME=SYSUT9
291 IGD105I SYS21059.T161309.RA000.CMMNTAAB.R0115601 DELETED, DDNAME=SYSUT10
292 IGD105I SYS21059.T161309.RA000.CMMNTAAB.R0115602 DELETED, DDNAME=SYSUT11
293 IGD105I SYS21059.T161309.RA000.CMMNTAAB.R0115603 DELETED, DDNAME=SYSUT12
294 IGD105I SYS21059.T161309.RA000.CMMNTAAB.R0115604 DELETED, DDNAME=SYSUT13
295 IGD105I SYS21059.T161309.RA000.CMMNTAAB.R0115605 DELETED, DDNAME=SYSUT14
296 IGD105I SYS21059.T161309.RA000.CMMNTAAB.R0115606 DELETED, DDNAME=SYSUT15
297 IEF373I STEP/COB /START 2021059.1613
298 IEF032I STEP/COB /STOP 2021059.1613
299 CPU: 0 HR 00 MIN 00.07 SEC SRB: 0 HR 00 MIN 00.00 SEC
300 VIRT: 532K SYS: 4252K EXT: 135888K SYS: 14868K
301 ATB- REAL: 12352K SLOTS: 0K
302 VIRT- ALLOC: 531M SHRD: 0M
303 IEF236I ALLOC. FOR CMMNTAAB COPYLINK COMPLI
304 IEF237I 1A10 ALLOCATED TO SYSUT1
305 IGD101I SMS ALLOCATED TO DDNAME (SYSUT2 )
306 DSN (SYS21059.T161309.RA000.CMMNTAAB.COPYLINK.H01)
307 STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
308 VOL SER NOS= TEMP00
309 IEF237I JES2 ALLOCATED TO SYSPRINT
310 IEF237I DMY ALLOCATED TO SYSIN
311 IEF142I CMMNTAAB COPYLINK COMPLI - STEP WAS EXECUTED - COND CODE 0000
312 IEF285I DFH540.CICS.SDFHCOB KEPT
313 IEF285I VOL SER NOS= VTDFHI.
314 IGD106I SYS21059.T161309.RA000.CMMNTAAB.COPYLINK.H01 PASSED, DDNAME=SYSUT2
315 IEF285I KC03AAB.CMMNTAAB.JOB08514.D0000103.? SYSOUT
316 IEF373I STEP/COPYLINK/START 2021059.1613
317 IEF032I STEP/COPYLINK/STOP 2021059.1613
318 CPU: 0 HR 00 MIN 00.00 SEC SRB: 0 HR 00 MIN 00.00 SEC
319 VIRT: 112K SYS: 260K EXT: 4K SYS: 12944K
320 ATB- REAL: 4132K SLOTS: 0K
321 VIRT- ALLOC: 13M SHRD: 0M
322 IEF236I ALLOC. FOR CMMNTAAB LKED COMPLI
323 IGD103I SMS ALLOCATED TO DDNAME SYSLIB
324 IEF237I 1A10 ALLOCATED TO
325 IEF237I 1001 ALLOCATED TO
326 IGD103I SMS ALLOCATED TO DDNAME SYSLMOD
327 IGD101I SMS ALLOCATED TO DDNAME (SYSUT1 )
328 DSN (SYS21059.T161309.RA000.CMMNTAAB.R0115607 )
329 STORCLAS (TEMPSC) MGMTCLAS ( ) DATACLAS ( )
330 VOL SER NOS= TEMP00
331 IEF237I JES2 ALLOCATED TO SYSPRINT
332 IGD103I SMS ALLOCATED TO DDNAME SYSLIN
333 IGD103I SMS ALLOCATED TO DDNAME
334 IEF142I CMMNTAAB LKED COMPLI - STEP WAS EXECUTED - COND CODE 0000
335 IGD104I TSOECCC.CICSTS12.STUDENT.LOADLIB RETAINED, DDNAME=SYSLIB
336 IEF285I DFH540.CICS.SDFHLOAD KEPT

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337 IEF285I VOL SER NOS= VTDFHI.
338 IEF285I CEE.SCEELKED KEPT
339 IEF285I VOL SER NOS= VTMVSC.
340 IGD104I TSOECCC.CICSTS12.STUDENT.LOADLIB RETAINED, DDNAME=SYSLMOD
341 IGD105I SYS21059.T161309.RA000.CMMNTAAB.R0115607 DELETED, DDNAME=SYSUT1
342 IEF285I KC03AAB.CMMNTAAB.JOB08514.D0000104.? SYSOUT
343 IGD105I SYS21059.T161309.RA000.CMMNTAAB.COPYLINK.H01 DELETED, DDNAME=SYSLIN
344 IGD105I SYS21059.T161309.RA000.CMMNTAAB.LOADSET.H01 DELETED, DDNAME=
345 IEF373I STEP/LKED /START 2021059.1613
346 IEF032I STEP/LKED /STOP 2021059.1613
347 CPU: 0 HR 00 MIN 00.01 SEC SRB: 0 HR 00 MIN 00.00 SEC
348 VIRT: 88K SYS: 260K EXT: 1768K SYS: 12980K
349 ATB- REAL: 4156K SLOTS: 0K
350 VIRT- ALLOC: 17M SHRD: 0M
351 IEF375I JOB/CMMNTAAB/START 2021059.1613
352 IEF033I JOB/CMMNTAAB/STOP 2021059.1613
353 CPU: 0 HR 00 MIN 00.09 SEC SRB: 0 HR 00 MIN 00.00 SEC
354 CICS 7.1.0 COMMAND LANGUAGE TRANSLATOR TIME 16.13
DATE 28 FEB 21 PAGE 1
355 OPTIONS SPECIFIED: -APOST,DEBUG,COBOL3,FLAGW,NOSEQ,NONUM,LIST,NOXREF,SPACE1,CICS,SP
356 *OPTIONS IN EFFECT*
357
358 CICS
359 DEBUG
360 SPIE
361 EDF
362 LINECOUNT(60)
363 TABLE(DFHEITAB,DFHEITBS)
364 SP
365 NATLANG(EN)
366 SOURCE
367 NOVBREF
368 OPTIONS
369 FLAG(W)
370 NOSEQ
371 APOST
372 NONUM
373 SPACE(1)
374 CBLCARD
375 NOC5
376 NOSYSEIB
377 NOFEPI
378 NOCPSM
379 LINKAGE
380 COBOL3
381 LENGTH
382 LINE SOURCE LISTING
383
384 00001 IDENTIFICATION DIVISION.
385 00002 *
386 00003 PROGRAM-ID. CMMNTAAB.
387 00004 AUTHOR. ROLANDO AGULLANO.
388 00005 DATE-WRITTEN. 02-28-2021.
389 00006 *
390 00007 ENVIRONMENT DIVISION.
391 00008 *
392 00009 DATA DIVISION.

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393 00010      *
394 00011      WORKING-STORAGE SECTION.
395 00012      *
396 00013      01 SWITCHES.
397 00014      *
398 00015          05 VALID-DATA-SW                PIC X(01) VALUE 'Y'.
399 00016          88 VALID-DATA                    VALUE 'Y'.
400 00017      *
401 00018      01 FLAGS.
402 00019      *
403 00020          05 SEND-FLAG                      PIC X(01).
404 00021          88 SEND-ERASE                      VALUE '1'.
405 00022          88 SEND-ERASE-ALARM              VALUE '2'.
406 00023          88 SEND-DATAONLY                VALUE '3'.
407 00024          88 SEND-DATAONLY-ALARM          VALUE '4'.
408 00025      *
409 00026      01 WORK-FIELDS.
410 00027      *
411 CICS 7.1.0 COMMAND LANGUAGE TRANSLATOR                                TIME 16.13
    DATE 28 FEB 21    PAGE 2
412 LINE    SOURCE LISTING
413 00028          05 RESPONSE-CODE                PIC S9(08) COMP.
414 00029      *
415 00030      01 USER-INSTRUCTIONS.
416 00031      *
417 00032          05 ADD-INSTRUCTION                PIC X(79) VALUE
418 00033              'Type information for new customer. Then Press Enter.'.
419 00034          05 CHANGE-INSTRUCTION              PIC X(79) VALUE
420 00035              'Type changes. Then press Enter.'.
421 00036          05 DELETE-INSTRUCTION              PIC X(79) VALUE
422 00037              'Press Enter to delete this customer or press F12 to canc
423 00038              'el.'.
424 00039      -
425 00040      *
426 00041      01 COMMUNICATION-AREA.
427 00042      *
428 00043          05 CA-CONTEXT-FLAG                  PIC X(01).
429 00044          88 PROCESS-KEY-MAP                  VALUE '1'.
430 00045          88 PROCESS-ADD-CUSTOMER            VALUE '2'.
431 00046          88 PROCESS-CHANGE-CUSTOMER          VALUE '3'.
432 00047          88 PROCESS-DELETE-CUSTOMER          VALUE '4'.
433 00048          05 CA-CUSTOMER-RECORD.
434 00049              10 CA-CUSTOMER-NUMBER          PIC X(06).
435 00050              10 FILLER                        PIC X(112).
436 00051      *
437 00052      01 FILE-STATUS-INFO.
438 00053          02 CMF-OPEN                          PIC X VALUE 'N'.
439 00054          02 CMF-OPEN-STATUS                PIC S9(8) COMP.
440 00055          02 CMF-ENABLE-STATUS            PIC S9(8) COMP.
441 00056
442 00057      COPY CUSTMAS.
443 00058      *
444 00059      COPY MNTSAAB.
445 00060      *
446 00061      COPY DFHAID.
447 00062      *
448 00063      COPY ATTR.

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449 00064      *
450 00065      COPY ERRPARM.
451 00066      *
452 00067      LINKAGE SECTION.
453 00068      *
454 00069      01 DFHCOMMAREA                                PIC X(119).
455 00070      *
456 00071      PROCEDURE DIVISION.
457 00072      *
458 00073      0000-PROCESS-CUSTOMER-MAINT.
459 00074      *
460 00075          IF EIBCALEN > ZERO
461 00076              MOVE DFHCOMMAREA TO COMMUNICATION-AREA
462 00077          END-IF.
463 00078      *
464 00079          EVALUATE TRUE
465 00080      *
466 00081              WHEN EIBCALEN = ZERO
467 00082                  MOVE LOW-VALUE TO MNT1AABO
468 00083                  MOVE -1 TO CUSTN01L
469 CICS 7.1.0 COMMAND LANGUAGE TRANSLATOR
DATE 28 FEB 21   PAGE 3
470 LINE SOURCE LISTING
471 00084          SET SEND-ERASE TO TRUE
472 00085          PERFORM 1500-SEND-KEY-MAP
473 00086          SET PROCESS-KEY-MAP TO TRUE
474 00087      *
475 00088          WHEN EIBAID = DFHPF3
476 00089              EXEC CICS
477 00090                  INQUIRE FILE('CMFAAB')
478 00091                      OPENSTATUS(CMF-OPEN-STATUS)
479 00092                      ENABLESTATUS(CMF-ENABLE-STATUS)
480 00093              END-EXEC
481 00094              IF CMF-OPEN-STATUS = DFHVALUE(OPEN)
482 00095                  EXEC CICS
483 00096                      SET FILE('CMFAAB') CLOSED
484 00097                  END-EXEC
485 00098                  MOVE 'N' TO CMF-OPEN
486 00099              END-IF
487 00100              EXEC CICS
488 00101                  XCTL PROGRAM('UUMENAAB')
489 00102              END-EXEC
490 00103      *
491 00104          WHEN EIBAID = DFHPF12
492 00105              EXEC CICS
493 00106                  INQUIRE FILE('CMFAAB')
494 00107                      OPENSTATUS(CMF-OPEN-STATUS)
495 00108                      ENABLESTATUS(CMF-ENABLE-STATUS)
496 00109              END-EXEC
497 00110              IF CMF-OPEN-STATUS = DFHVALUE(OPEN)
498 00111                  EXEC CICS
499 00112                      SET FILE('CMFAAB') CLOSED
500 00113                  END-EXEC
501 00114                  MOVE 'N' TO CMF-OPEN
502 00115              END-IF
503 00116              IF PROCESS-KEY-MAP
504 00117                  EXEC CICS

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50500118          XCTL PROGRAM('CMMNTAAB')
50600119          END-EXEC
50700120      ELSE
50800121          MOVE LOW-VALUE TO MNT1AABO
50900122          MOVE -1 TO CUSTNO1L
51000123          SET SEND-ERASE TO TRUE
51100124          PERFORM 1500-SEND-KEY-MAP
51200125          SET PROCESS-KEY-MAP TO TRUE
51300126      END-IF
51400127      *
51500128      WHEN EIBAID = DFHCLEAR
51600129          IF PROCESS-KEY-MAP
51700130              MOVE LOW-VALUE TO MNT1AABO
51800131              MOVE -1 TO CUSTNO1L
51900132              SET SEND-ERASE TO TRUE
52000133              PERFORM 1500-SEND-KEY-MAP
52100134          ELSE
52200135              MOVE LOW-VALUE TO MNT2AABO
52300136              MOVE CA-CUSTOMER-NUMBER TO CUSTNO2O
52400137              EVALUATE TRUE
52500138                  WHEN PROCESS-ADD-CUSTOMER
52600139                      MOVE ADD-INSTRUCTION      TO INSTR2O
527CICS 7.1.0 COMMAND LANGUAGE TRANSLATOR
DATE 28 FEB 21   PAGE 4
528 LINE          SOURCE LISTING
52900140              WHEN PROCESS-CHANGE-CUSTOMER
53000141                  MOVE CHANGE-INSTRUCTION TO INSTR2O
53100142              WHEN PROCESS-DELETE-CUSTOMER
53200143                  MOVE DELETE-INSTRUCTION TO INSTR2O
53300144              END-EVALUATE
53400145              MOVE -1 TO LNAMEL
53500146              SET SEND-ERASE TO TRUE
53600147              PERFORM 1400-SEND-DATA-MAP
53700148          END-IF
53800149      *
53900150      WHEN EIBAID = DFHPA1 OR DFHPA2 OR DFHPA3
54000151          CONTINUE
54100152      *
54200153      WHEN EIBAID = DFHENTER
54300154          EVALUATE TRUE
54400155              WHEN PROCESS-KEY-MAP
54500156                  PERFORM 1000-PROCESS-KEY-MAP
54600157              WHEN PROCESS-ADD-CUSTOMER
54700158                  PERFORM 2000-PROCESS-ADD-CUSTOMER
54800159              WHEN PROCESS-CHANGE-CUSTOMER
54900160                  PERFORM 3000-PROCESS-CHANGE-CUSTOMER
55000161              WHEN PROCESS-DELETE-CUSTOMER
55100162                  PERFORM 4000-PROCESS-DELETE-CUSTOMER
55200163          END-EVALUATE
55300164      *
55400165      WHEN OTHER
55500166          IF PROCESS-KEY-MAP
55600167              MOVE LOW-VALUE TO MNT1AABO
55700168              MOVE 'That key is unassigned.' TO MSG10
55800169              MOVE -1 TO CUSTNO1L
55900170              SET SEND-DATAONLY-ALARM TO TRUE
56000171              PERFORM 1500-SEND-KEY-MAP

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56100172          ELSE
56200173              MOVE LOW-VALUE TO MNT2AABO
56300174              MOVE 'That key is unassigned.' TO MSG20
56400175              MOVE -1 TO LNAMEL
56500176              SET SEND-DATAONLY-ALARM TO TRUE
56600177              PERFORM 1400-SEND-DATA-MAP
56700178          END-IF
56800179      *
56900180      END-EVALUATE.
57000181
57100182      EXEC CICS
57200183          RETURN TRANSID('MAAB')
57300184              COMMAREA(COMMUNICATION-AREA)
57400185      END-EXEC.
57500186  *
57600187      1000-PROCESS-KEY-MAP.
57700188  *
57800189      PERFORM 1100-RECEIVE-KEY-MAP.
57900190      PERFORM 1200-EDIT-KEY-DATA.
58000191      IF VALID-DATA
58100192          IF NOT PROCESS-DELETE-CUSTOMER
58200193              INSPECT CUSTOMER-MASTER-RECORD
58300194                  REPLACING ALL SPACE BY ' _ '
58400195          END-IF

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585 CICS 7.1.0 COMMAND LANGUAGE TRANSLATOR

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586 LINE          SOURCE LISTING
58700196          MOVE CUSTN01I      TO CUSTN020
58800197          MOVE CM-LAST-NAME    TO LNAMEO
58900198          MOVE CM-FIRST-NAME    TO FNAMEO
59000199          MOVE CM-ADDRESS      TO ADDR0
59100200          MOVE CM-CITY         TO CITYO
59200201          MOVE CM-STATE     TO STATEO
59300202          MOVE CM-ZIP-CODE   TO ZIPCODEO
59400203          MOVE -1 TO LNAMEL
59500204          SET SEND-ERASE TO TRUE
59600205          PERFORM 1400-SEND-DATA-MAP
59700206      ELSE
59800207          MOVE LOW-VALUE TO CUSTN010
59900208              ACTIONO
60000209          SET SEND-DATAONLY-ALARM TO TRUE
60100210          PERFORM 1500-SEND-KEY-MAP
60200211      END-IF.
60300212  *
60400213      1100-RECEIVE-KEY-MAP.
60500214  *
60600215      EXEC CICS
60700216          RECEIVE MAP('MNT1AAB')
60800217              MAPSET('MNTSAAB')
60900218                  INTO(MNT1AABI)
61000219      END-EXEC.
61100220  *
61200221      INSPECT MNT1AABI
61300222          REPLACING ALL ' _ ' BY SPACE.
61400223  *
61500224      1200-EDIT-KEY-DATA.
61600225  *

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61700226      MOVE ATTR-NO-HIGHLIGHT TO ACTIONH
61800227                      CUSTNO1H.
61900228      *
62000229      IF ACTIONI NOT = '1' AND '2' AND '3'
62100230          MOVE ATTR-REVERSE TO ACTIONH
62200231          MOVE -1 TO ACTIONL
62300232          MOVE 'Action must be 1, 2, or 3.' TO MSG10
62400233          MOVE 'N' TO VALID-DATA-SW
62500234      END-IF.
62600235      *
62700236      IF      CUSTNO1L = ZERO
62800237          OR CUSTNO1I = SPACE
62900238          MOVE ATTR-REVERSE TO CUSTNO1H
63000239          MOVE -1 TO CUSTNO1L
63100240          MOVE 'You must enter a customer number.' TO MSG10
63200241          MOVE 'N' TO VALID-DATA-SW
63300242      END-IF.
63400243      *
63500244      IF VALID-DATA
63600245          MOVE LOW-VALUE TO MNT2AABO
63700246          EVALUATE ACTIONI
63800247              WHEN '1'
63900248                  PERFORM 1300-READ-CUSTOMER-RECORD
64000249                  IF RESPONSE-CODE = DFHRESP(NOTFND)
64100250                      MOVE ADD-INSTRUCTION TO INSTR20
64200251                      SET PROCESS-ADD-CUSTOMER TO TRUE
643CICS 7.1.0 COMMAND LANGUAGE TRANSLATOR
644 LINE      SOURCE LISTING
64500252                      MOVE SPACE TO CUSTOMER-MASTER-RECORD
64600253                      ELSE
64700254                          IF RESPONSE-CODE = DFHRESP(NORMAL)
64800255                              MOVE 'That customer already exists.'
64900256                                  TO MSG10
65000257                              MOVE 'N' TO VALID-DATA-SW
65100258                          END-IF
65200259                      END-IF
65300260                      WHEN '2'
65400261                          PERFORM 1300-READ-CUSTOMER-RECORD
65500262                          IF RESPONSE-CODE = DFHRESP(NORMAL)
65600263                              MOVE CUSTOMER-MASTER-RECORD TO
65700264                                  CA-CUSTOMER-RECORD
65800265                              MOVE CHANGE-INSTRUCTION TO INSTR20
65900266                              SET PROCESS-CHANGE-CUSTOMER TO TRUE
66000267                          ELSE
66100268                              IF RESPONSE-CODE = DFHRESP(NOTFND)
66200269                                  MOVE 'That customer does not exist.' TO
66300270                                      MSG10
66400271                                  MOVE 'N' TO VALID-DATA-SW
66500272                              END-IF
66600273                          END-IF
66700274                      WHEN '3'
66800275                          PERFORM 1300-READ-CUSTOMER-RECORD
66900276                          IF RESPONSE-CODE = DFHRESP(NORMAL)
67000277                              MOVE CUSTOMER-MASTER-RECORD TO
67100278                                  CA-CUSTOMER-RECORD
67200279                              MOVE DELETE-INSTRUCTION TO INSTR20

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673 00280          SET PROCESS-DELETE-CUSTOMER TO TRUE
674 00281          MOVE ATTR-PROT TO LNAMEA
675 00282                      FNAMEA
676 00283                      ADDRA
677 00284                      CITYA
678 00285                      STATEA
679 00286                      ZIPCODEA
680 00287          ELSE
681 00288              IF RESPONSE-CODE = DFHRESP(NOTFND)
682 00289                  MOVE 'That customer does not exist.' TO
683 00290                      MSG10
684 00291                  MOVE 'N' TO VALID-DATA-SW
685 00292              END-IF
686 00293          END-IF
687 00294          END-EVALUATE.
688 00295      *
689 00296      1300-READ-CUSTOMER-RECORD.
690 00297      *
691 00298          EXEC CICS
692 00299              INQUIRE FILE('CMFAAB')
693 00300                  OPENSTATUS(CMF-OPEN-STATUS)
694 00301                  ENABLESTATUS(CMF-ENABLE-STATUS)
695 00302          END-EXEC.
696 00303
697 00304          IF CMF-OPEN-STATUS = DFHVALUE(CLOSED)
698 00305              EXEC CICS
699 00306                  SET FILE('CMFAAB') OPEN
700 00307              END-EXEC
701 CICS 7.1.0 COMMAND LANGUAGE TRANSLATOR
702 LINE          SOURCE LISTING
703 00308          MOVE 'Y' TO CMF-OPEN
704 00309          END-IF.
705 00310
706 00311          EXEC CICS
707 00312              READ FILE('CMFAAB')
708 00313                  INTO(CUSTOMER-MASTER-RECORD)
709 00314                  RIDFLD(CUSTN01I)
710 00315                  RESP(RESPONSE-CODE)
711 00316          END-EXEC.
712 00317      *
713 00318          IF      RESPONSE-CODE NOT = DFHRESP(NORMAL)
714 00319              AND RESPONSE-CODE NOT = DFHRESP(NOTFND)
715 00320              PERFORM 9999-TERMINATE-PROGRAM
716 00321          END-IF.
717 00322      *
718 00323
719 00324      1400-SEND-DATA-MAP.
720 00325      *
721 00326          MOVE 'MAAB' TO TRANID20.
722 00327      *
723 00328          EVALUATE TRUE
724 00329              WHEN SEND-ERASE
725 00330                  EXEC CICS
726 00331                      SEND MAP('MNT2AAB')
727 00332                          MAPSET('MNTSAAB')
728 00333                          FROM(MNT2AAB0)

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72900334          ERASE
73000335          CURSOR
73100336          END-EXEC
73200337          WHEN SEND-DATAONLY-ALARM
73300338          EXEC CICS
73400339              SEND MAP('MNT2AAB')
73500340              MAPSET('MNTSAAB')
73600341              FROM(MNT2AABO)
73700342              DATAONLY
73800343              ALARM
73900344              CURSOR
74000345          END-EXEC
74100346          END-EVALUATE.
74200347      *
74300348      1500-SEND-KEY-MAP.
74400349      *
74500350          MOVE 'MAAB' TO TRANID10.
74600351      *
74700352          EVALUATE TRUE
74800353              WHEN SEND-ERASE
74900354              EXEC CICS
75000355                  SEND MAP('MNT1AAB')
75100356                  MAPSET('MNTSAAB')
75200357                  FROM(MNT1AABO)
75300358                  ERASE
75400359                  CURSOR
75500360          END-EXEC
75600361          WHEN SEND-ERASE-ALARM
75700362          EXEC CICS
75800363              SEND MAP('MNT1AAB')
759CICS 7.1.0 COMMAND LANGUAGE TRANSLATOR
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760 LINE          SOURCE LISTING
76100364          MAPSET('MNTSAAB')
76200365          FROM(MNT1AABO)
76300366          ERASE
76400367          ALARM
76500368          CURSOR
76600369          END-EXEC
76700370          WHEN SEND-DATAONLY-ALARM
76800371          EXEC CICS
76900372              SEND MAP('MNT1AAB')
77000373              MAPSET('MNTSAAB')
77100374              FROM(MNT1AABO)
77200375              DATAONLY
77300376              ALARM
77400377              CURSOR
77500378          END-EXEC
77600379          END-EVALUATE.
77700380      *
77800381      2000-PROCESS-ADD-CUSTOMER.
77900382      *
78000383          PERFORM 2100-RECEIVE-DATA-MAP.
78100384          PERFORM 2200-EDIT-CUSTOMER-DATA.
78200385          IF VALID-DATA
78300386              PERFORM 2300-WRITE-CUSTOMER-RECORD
78400387              IF RESPONSE-CODE = DFHRESP(NORMAL)

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78500388             MOVE 'Customer record added.' TO MSG10
78600389             SET SEND-ERASE TO TRUE
78700390         ELSE
78800391             IF RESPONSE-CODE = DFHRESP(DUPREC)
78900392                 MOVE 'Another user has added a record with that c
79000393                 -           'ustomer number.' TO MSG10
79100394                 SET SEND-ERASE-ALARM TO TRUE
79200395             END-IF
79300396         END-IF
79400397         MOVE -1 TO CUSTN01L
79500398         PERFORM 1500-SEND-KEY-MAP
79600399         SET PROCESS-KEY-MAP TO TRUE
79700400     ELSE
79800401         MOVE LOW-VALUE TO LNAMEO
79900402                             FNAMEO
80000403                             ADDR0
80100404                             CITYO
80200405                             STATEO
80300406                             ZIPCODEO
80400407         SET SEND-DATAONLY-ALARM TO TRUE
80500408         PERFORM 1400-SEND-DATA-MAP
80600409     END-IF.
80700410 *
80800411     2100-RECEIVE-DATA-MAP.
80900412 *
81000413     EXEC CICS
81100414         RECEIVE MAP('MNT2AAB')
81200415             MAPSET('MNTSAAB')
81300416             INTO(MNT2AABI)
81400417     END-EXEC.
81500418 *
81600419     INSPECT MNT2AABI
817CICS 7.1.0 COMMAND LANGUAGE TRANSLATOR                                TIME 16.13
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818 LINE                SOURCE LISTING
81900420                 REPLACING ALL '_' BY SPACE.
82000421 *
82100422     2200-EDIT-CUSTOMER-DATA.
82200423 *
82300424         MOVE ATTR-NO-HIGHLIGHT TO ZIPCODEH
82400425                             STATEH
82500426                             CITYH
82600427                             ADDRH
82700428                             FNAMEH
82800429                             LNAMEH.
82900430
83000431     IF          ZIPCODEI = SPACE
83100432         OR ZIPCODEI = ZERO
83200433         MOVE ATTR-REVERSE TO ZIPCODEH
83300434         MOVE -1 TO ZIPCODEI
83400435         MOVE 'You must enter a zip code.' TO MSG20
83500436         MOVE 'N' TO VALID-DATA-SW
83600437     END-IF.
83700438
83800439     IF          STATEI = SPACE
83900440         OR STATEI = ZERO
84000441         MOVE ATTR-REVERSE TO STATEH

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84100442      MOVE -1 TO STATEL
84200443      MOVE 'You must enter a state.' TO MSG20
84300444      MOVE 'N' TO VALID-DATA-SW
84400445      END-IF.
84500446
84600447      IF          CITYI = SPACE
84700448          OR CITYL = ZERO
84800449          MOVE ATTR-REVERSE TO CITYH
84900450          MOVE -1 TO CITYL
85000451          MOVE 'You must enter a city.' TO MSG20
85100452          MOVE 'N' TO VALID-DATA-SW
85200453      END-IF.
85300454
85400455      IF          ADDRI = SPACE
85500456          OR ADDRL = ZERO
85600457          MOVE ATTR-REVERSE TO ADDRH
85700458          MOVE -1 TO ADDRL
85800459          MOVE 'You must enter an address.' TO MSG20
85900460          MOVE 'N' TO VALID-DATA-SW
86000461      END-IF.
86100462
86200463      IF          FNAMEI = SPACE
86300464          OR FNAMEL = ZERO
86400465          MOVE ATTR-REVERSE TO FNAMEH
86500466          MOVE -1 TO FNAMEL
86600467          MOVE 'You must enter a first name.' TO MSG20
86700468          MOVE 'N' TO VALID-DATA-SW
86800469      END-IF.
86900470
87000471      IF          LNAMEI = SPACE
87100472          OR LNAMEL = ZERO
87200473          MOVE ATTR-REVERSE TO LNAMEH
87300474          MOVE -1 TO LNAMEL
87400475          MOVE 'You must enter a last name.' TO MSG20
875CICS 7.1.0 COMMAND LANGUAGE TRANSLATOR
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876 LINE          SOURCE LISTING
87700476          MOVE 'N' TO VALID-DATA-SW
87800477          END-IF.
87900478          *
88000479          2300-WRITE-CUSTOMER-RECORD.
88100480          *
88200481          MOVE CUSTNO2I TO CM-CUSTOMER-NUMBER.
88300482          MOVE LNAMEI   TO CM-LAST-NAME.
88400483          MOVE FNAMEI   TO CM-FIRST-NAME.
88500484          MOVE ADDRI    TO CM-ADDRESS.
88600485          MOVE CITYI    TO CM-CITY.
88700486          MOVE STATEI   TO CM-STATE.
88800487          MOVE ZIPCODEI TO CM-ZIP-CODE.
88900488          *
89000489          EXEC CICS
89100490              INQUIRE FILE('CMFAAB')
89200491                  OPENSTATUS(CMF-OPEN-STATUS)
89300492                  ENABLESTATUS(CMF-ENABLE-STATUS)
89400493          END-EXEC.
89500494
89600495          IF CMF-OPEN-STATUS = DFHVALUE(CLOSED)

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89700496      EXEC CICS
89800497          SET FILE('CMFAAB') OPEN
89900498      END-EXEC
90000499      MOVE 'Y' TO CMF-OPEN
90100500      END-IF.
90200501
90300502      EXEC CICS
90400503          WRITE FILE('CMFAAB')
90500504              FROM(CUSTOMER-MASTER-RECORD)
90600505              RIDFLD(CM-CUSTOMER-NUMBER)
90700506              RESP(RESPONSE-CODE)
90800507      END-EXEC.
90900508      *
91000509      IF      RESPONSE-CODE NOT = DFHRESP(NORMAL)
91100510          AND RESPONSE-CODE NOT = DFHRESP(DUPREC)
91200511          PERFORM 9999-TERMINATE-PROGRAM
91300512      END-IF.
91400513      *
91500514      3000-PROCESS-CHANGE-CUSTOMER.
91600515      *
91700516      PERFORM 2100-RECEIVE-DATA-MAP.
91800517      PERFORM 2200-EDIT-CUSTOMER-DATA.
91900518      IF VALID-DATA
92000519          MOVE CUSTNO2I TO CM-CUSTOMER-NUMBER
92100520          PERFORM 3100-READ-CUSTOMER-FOR-UPDATE
92200521          IF RESPONSE-CODE = DFHRESP(NORMAL)
92300522              IF CUSTOMER-MASTER-RECORD = CA-CUSTOMER-RECORD
92400523                  PERFORM 3200-REWRITE-CUSTOMER-RECORD
92500524                  MOVE 'Customer record updated.' TO MSG10
92600525                  SET SEND-ERASE TO TRUE
92700526              ELSE
92800527                  MOVE 'Another user has updated the record. Try a
92900528                      -      'gain.' TO MSG10
93000529                  SET SEND-ERASE-ALARM TO TRUE
93100530              END-IF
93200531          ELSE
933CICS 7.1.0 COMMAND LANGUAGE TRANSLATOR                                TIME 16.13
          DATE 28 FEB 21    PAGE 11
934 LINE      SOURCE LISTING
93500532          IF RESPONSE-CODE = DFHRESP(NOTFND)
93600533              MOVE 'Another user has deleted the record.' TO
93700534                  MSG10
93800535              SET SEND-ERASE-ALARM TO TRUE
93900536          END-IF
94000537      END-IF
94100538      MOVE -1 TO CUSTNO1L
94200539      PERFORM 1500-SEND-KEY-MAP
94300540      SET PROCESS-KEY-MAP TO TRUE
94400541      ELSE
94500542          MOVE LOW-VALUE TO LNAMEO
94600543                          FNAMEO
94700544                          ADDRO
94800545                          CITYO
94900546                          STATEO
95000547                          ZIPCODEO
95100548      SET SEND-DATAONLY-ALARM TO TRUE
95200549      PERFORM 1400-SEND-DATA-MAP

```

```

95300550      END-IF.
95400551      *
95500552      3100-READ-CUSTOMER-FOR-UPDATE.
95600553      *
95700554      EXEC CICS
95800555          INQUIRE FILE('CMFAAB')
95900556          OPENSTATUS(CMF-OPEN-STATUS)
96000557          ENABLESTATUS(CMF-ENABLE-STATUS)
96100558      END-EXEC.
96200559
96300560      IF CMF-OPEN-STATUS = DFHVALUE(CLOSED)
96400561          EXEC CICS
96500562              SET FILE('CMFAAB') OPEN
96600563          END-EXEC
96700564          MOVE 'Y' TO CMF-OPEN
96800565      END-IF.
96900566
97000567      EXEC CICS
97100568          READ FILE('CMFAAB')
97200569              INTO(CUSTOMER-MASTER-RECORD)
97300570              RIDFLD(CM-CUSTOMER-NUMBER)
97400571              UPDATE
97500572              RESP(RESPONSE-CODE)
97600573      END-EXEC.
97700574      *
97800575      IF      RESPONSE-CODE NOT = DFHRESP(NORMAL)
97900576          AND RESPONSE-CODE NOT = DFHRESP(NOTFND)
98000577          PERFORM 9999-TERMINATE-PROGRAM
98100578      END-IF.
98200579      *
98300580      3200-REWRITE-CUSTOMER-RECORD.
98400581      *
98500582          MOVE LNAMEI    TO CM-LAST-NAME.
98600583          MOVE FNAMEI    TO CM-FIRST-NAME.
98700584          MOVE ADDR1     TO CM-ADDRESS.
98800585          MOVE CITYI     TO CM-CITY.
98900586          MOVE STATEI    TO CM-STATE.
99000587          MOVE ZIPCODEI  TO CM-ZIP-CODE.
991CICS 7.1.0 COMMAND LANGUAGE TRANSLATOR
992  DATE 28 FEB 21    PAGE 12
993  LINE SOURCE LISTING
99400588      *
99500589      EXEC CICS
99600590          INQUIRE FILE('CMFAAB')
99700591          OPENSTATUS(CMF-OPEN-STATUS)
99800592          ENABLESTATUS(CMF-ENABLE-STATUS)
99900593      END-EXEC.
100000594
100100595      IF CMF-OPEN-STATUS = DFHVALUE(CLOSED)
100200596          EXEC CICS
100300597              SET FILE('CMFAAB') OPEN
100400598          END-EXEC
100500599              MOVE 'Y' TO CMF-OPEN
100600600      END-IF.
100700601
100800602      EXEC CICS
          REWRITE FILE('CMFAAB')

```

TIME 16.13

```

1009 00604          FROM(CUSTOMER-MASTER-RECORD)
1010 00605          RESP(RESPONSE-CODE)
1011 00606          END-EXEC.
1012 00607      *
1013 00608          IF RESPONSE-CODE NOT = DFHRESP(NORMAL)
1014 00609              PERFORM 9999-TERMINATE-PROGRAM
1015 00610          END-IF.
1016 00611      *
1017 00612      4000-PROCESS-DELETE-CUSTOMER.
1018 00613      *
1019 00614          MOVE CA-CUSTOMER-NUMBER TO CM-CUSTOMER-NUMBER.
1020 00615          PERFORM 3100-READ-CUSTOMER-FOR-UPDATE.
1021 00616          IF RESPONSE-CODE = DFHRESP(NORMAL)
1022 00617              IF CUSTOMER-MASTER-RECORD = CA-CUSTOMER-RECORD
1023 00618                  PERFORM 4100-DELETE-CUSTOMER-RECORD
1024 00619                  MOVE 'Customer deleted.' TO MSG10
1025 00620                  SET SEND-ERASE TO TRUE
1026 00621              ELSE
1027 00622                  MOVE 'Another user has updated the record. Try again
1028 00623                      ' TO MSG10
1029 00624                  SET SEND-ERASE-ALARM TO TRUE
1030 00625              END-IF
1031 00626          ELSE
1032 00627              IF RESPONSE-CODE = DFHRESP(NOTFND)
1033 00628                  MOVE 'Another user has deleted the record.' TO
1034 00629                      MSG10
1035 00630                  SET SEND-ERASE-ALARM TO TRUE
1036 00631              END-IF
1037 00632          END-IF.
1038 00633          MOVE -1 TO CUSTN01L.
1039 00634          PERFORM 1500-SEND-KEY-MAP.
1040 00635          SET PROCESS-KEY-MAP TO TRUE.
1041 00636      *
1042 00637      4100-DELETE-CUSTOMER-RECORD.
1043 00638      *
1044 00639          EXEC CICS
1045 00640              INQUIRE FILE('CMFAAB')
1046 00641                  OPENSTATUS(CMF-OPEN-STATUS)
1047 00642                  ENABLESTATUS(CMF-ENABLE-STATUS)
1048 00643          END-EXEC.
1049 CICS 7.1.0 COMMAND LANGUAGE TRANSLATOR                                TIME 16.13
1050 LINE          SOURCE LISTING
1051 00644
1052 00645          IF CMF-OPEN-STATUS = DFHVALUE(CLOSED)
1053 00646              EXEC CICS
1054 00647                  SET FILE('CMFAAB') OPEN
1055 00648              END-EXEC
1056 00649              MOVE 'Y' TO CMF-OPEN
1057 00650          END-IF.
1058 00651
1059 00652          EXEC CICS
1060 00653              DELETE FILE('CMFAAB')
1061 00654                  RESP(RESPONSE-CODE)
1062 00655          END-EXEC.
1063 00656      *
1064 00657          IF RESPONSE-CODE NOT = DFHRESP(NORMAL)

```

```

106500658          PERFORM 9999-TERMINATE-PROGRAM
106600659          END-IF.
106700660          *
106800661          9999-TERMINATE-PROGRAM.
106900662          *
107000663          MOVE EIBRESP TO ERR-RESP.
107100664          MOVE EIBRESP2 TO ERR-RESP2.
107200665          MOVE EIBTRNID TO ERR-TRNID.
107300666          MOVE EIBRSRCE TO ERR-RSRCE.
107400667          *
107500668          EXEC CICS
107600669              XCTL PROGRAM('SYSERR')
107700670              COMMAREA(ERROR-PARAMETERS)
107800671          END-EXEC.
107900672
108000673

```

1081 NO MESSAGES PRODUCED BY TRANSLATOR.

1082 TRANSLATION TIME:- 0.00 MINS.

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1084 Invocation parameters:

1085 NOXREF,NODBCS,APOST,OBJECT,NODYNAM

1086 PROCESS(CBL) statements:

1087 Process rent,nodynam,lib

1088

1089 IGYOS4090-I The "LIB" option specification is no longer required. COBOL library
processing is always in effect.

1090

1091

1092 IGYOS4020-W The "NSYMBOL(NATIONAL)" option was discarded due to option conflict
resolution. The "NODBCS" option from

1093 compiler invocation parameter took precedence.

1094

1095 Options in effect:

1096 NOADATA

1097 ADV

1098 AFP(NOVOLATILE)

1099 APOST

1100 ARCH(7)

1101 ARITH(COMPAT)

1102 NOAWO

1103 NOBLOCK0

1104 BUFSIZE(4096)

1105 NOCICS

1106 CODEPAGE(1140)

1107 NOCOMPILE(S)

1108 NOCOPYLOC

1109 NOCOPYRIGHT

1110 NOCURRENCY

1111 DATA(31)

1112 NODBCS

1113 NODECK

1114 NODEFINE

1115 NODIAGTRUNC

1116 DISPSIGN(COMPAT)

1117 NODLL

1118 NODUMP

1119 NODYNAM
1120 NOEXIT
1121 NOEXPORTALL
1122 NOFASTSRT
1123 FLAG(I,I)
1124 NOFLAGSTD
1125 HGPR(PRESERVE)
1126 NOINITCHECK
1127 INLINE
1128 INTDATE(ANSI)
1129 LANGUAGE(EN)
1130 LINECOUNT(60)
1131 NOLIST
1132 NOMAP
1133 MAXPCF(100000)
1134 NOMDECK
1135 NONAME
1136 NSYMBOL(DBCS)
1137 NONUMBER
1138 NONUMCHECK
1139 NUMPROC(NOPFD)
1140 PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.2.0 P190107
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1141 OBJECT
1142 NOOFFSET
1143 OPTIMIZE(0)
1144 OUTDD(SYSOUT)
1145 NOPARMCHECK
1146 PGMNAME(COMPAT)
1147 QUALIFY(COMPAT)
1148 RENT
1149 RMODE(AUTO)
1150 NORULES
1151 NOSERVICE
1152 SEQUENCE
1153 SOURCE
1154 SPACE(1)
1155 NOSQL
1156 SQLCCSID
1157 NOSQLIMS
1158 NOSSRANGE
1159 NOSTGOPT
1160 SUPPRESS
1161 NOTERM
1162 NOTEST(NODWARF,NOSOURCE,NOSEPARATE)
1163 NOTHREAD
1164 TRUNC(STD)
1165 NOVBREF
1166 VLR(STANDARD)
1167 VSAMOPENFS(COMPAT)
1168 NOWORD
1169 XMLPARSE(XMLSS)
1170 NOXREF
1171 ZONEDATA(PFD)
1172 ZWB
1173 PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.2.0 P190107
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```

1174 LineID  PL SL  ----+*A-1-B--+----2----+----3----+----4----+----5----+----6----+----7-|--
      +----8 Map and Cross Reference
1175 000001 IDENTIFICATION DIVISION.
1176 000002 *
1177 000003 PROGRAM-ID. CMMNTAAB.
1178 000004 AUTHOR. ROLANDO AGULLANO.
1179 000005 DATE-WRITTEN. 02-28-2021.
1180 000006 *
1181 000007 ENVIRONMENT DIVISION.
1182 000008 *
1183 000009 DATA DIVISION.
1184 000010 *
1185 000011 WORKING-STORAGE SECTION.
1186 000012 *
1187 000013 01 SWITCHES.
1188 000014 *
1189 000015 05 VALID-DATA-SW PIC X(01) VALUE 'Y'.
1190 000016 88 VALID-DATA VALUE 'Y'.
1191 000017 *
1192 000018 01 FLAGS.
1193 000019 *
1194 000020 05 SEND-FLAG PIC X(01).
1195 000021 88 SEND-ERASE VALUE '1'.
1196 000022 88 SEND-ERASE-ALARM VALUE '2'.
1197 000023 88 SEND-DATAONLY VALUE '3'.
1198 000024 88 SEND-DATAONLY-ALARM VALUE '4'.
1199 000025 *
1200 000026 01 WORK-FIELDS.
1201 000027 *
1202 000028 05 RESPONSE-CODE PIC S9(08) COMP.
1203 000029 *
1204 000030 01 USER-INSTRUCTIONS.
1205 000031 *
1206 000032 05 ADD-INSTRUCTION PIC X(79) VALUE
1207 000033 'Type information for new customer. Then Press Enter.'.
1208 000034 05 CHANGE-INSTRUCTION PIC X(79) VALUE
1209 000035 'Type changes. Then press Enter.'.
1210 000036 05 DELETE-INSTRUCTION PIC X(79) VALUE
1211 000037 'Press Enter to delete this customer or press F12 to canc
1212 000038 - 'el.'.
1213 000039 *
1214 000040 01 COMMUNICATION-AREA.
1215 000041 *
1216 000042 05 CA-CONTEXT-FLAG PIC X(01).
1217 000043 88 PROCESS-KEY-MAP VALUE '1'.
1218 000044 88 PROCESS-ADD-CUSTOMER VALUE '2'.
1219 000045 88 PROCESS-CHANGE-CUSTOMER VALUE '3'.
1220 000046 88 PROCESS-DELETE-CUSTOMER VALUE '4'.
1221 000047 05 CA-CUSTOMER-RECORD.
1222 000048 10 CA-CUSTOMER-NUMBER PIC X(06).
1223 000049 10 FILLER PIC X(112).
1224 000050 *
1225 000051
1226 000052 01 FILE-STATUS-INFO.
1227 000053 02 CMF-OPEN PIC X VALUE 'N'.
1228 000054 02 CMF-OPEN-STATUS PIC S9(8) COMP.
1229 000055 02 CMF-ENABLE-STATUS PIC S9(8) COMP.

```

```

1230 000056
1231 000057          COPY CUSTMAS.
1232 PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.2.0 P190107          CMMNTAAB Date 02/28/2021
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1233 LineID PL SL -----*A-1-B---+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-|---
      +-----8 Map and Cross Reference
1234 000058C          01 CUSTOMER-MASTER-RECORD.
1235 000059C          *
1236 000060C          05 CM-CUSTOMER-NUMBER          PIC X(6).
1237 000061C          05 CM-FIRST-NAME              PIC X(20).
1238 000062C          05 CM-LAST-NAME                PIC X(30).
1239 000063C          05 CM-ADDRESS                  PIC X(30).
1240 000064C          05 CM-CITY                     PIC X(20).
1241 000065C          05 CM-STATE                     PIC X(2).
1242 000066C          05 CM-ZIP-CODE                  PIC X(10).
1243 000067C
1244 000068C
1245 000069C          *
1246 000070C          COPY MNTSAAB.
1247 000071C          01 MNT1AABI.
1248 000072C          02 FILLER PIC X(12).
1249 000073C          02 TRANID1L      COMP PIC S9(4).
1250 000074C          02 TRANID1F      PICTURE X.
1251 000075C          02 FILLER REDEFINES TRANID1F.
1252 000076C          03 TRANID1A      PICTURE X.
1253 000077C          02 FILLER PICTURE X(2).
1254 000078C          02 TRANID1I      PIC X(4).
1255 000079C          02 CUSTN01L      COMP PIC S9(4).
1256 000080C          02 CUSTN01F      PICTURE X.
1257 000081C          02 FILLER REDEFINES CUSTN01F.
1258 000082C          03 CUSTN01A      PICTURE X.
1259 000083C          02 FILLER PICTURE X(2).
1260 000084C          02 CUSTN01I      PIC X(6).
1261 000085C          02 ACTIONL      COMP PIC S9(4).
1262 000086C          02 ACTIONF      PICTURE X.
1263 000087C          02 FILLER REDEFINES ACTIONF.
1264 000088C          03 ACTIONA      PICTURE X.
1265 000089C          02 FILLER PICTURE X(2).
1266 000090C          02 ACTIONI      PIC X(1).
1267 000091C          02 MSG1L      COMP PIC S9(4).
1268 000092C          02 MSG1F      PICTURE X.
1269 000093C          02 FILLER REDEFINES MSG1F.
1270 000094C          03 MSG1A      PICTURE X.
1271 000095C          02 FILLER PICTURE X(2).
1272 000096C          02 MSG1I      PIC X(79).
1273 000097C          02 DUMMY1L      COMP PIC S9(4).
1274 000098C          02 DUMMY1F      PICTURE X.
1275 000099C          02 FILLER REDEFINES DUMMY1F.
1276 000100C          03 DUMMY1A      PICTURE X.
1277 000101C          02 FILLER PICTURE X(2).
1278 000102C          02 DUMMY1I      PIC X(1).
1279 000103C          01 MNT1AABO REDEFINES MNT1AABI.
1280 000104C          02 FILLER PIC X(12).
1281 000105C          02 FILLER PICTURE X(3).
1282 000106C          02 TRANID1C      PICTURE X.
1283 000107C          02 TRANID1H      PICTURE X.
1284 000108C          02 TRANID10     PIC X(4).

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1285 000109C      02 FILLER PICTURE X(3).
1286 000110C      02 CUSTNO1C    PICTURE X.
1287 000111C      02 CUSTNO1H    PICTURE X.
1288 000112C      02 CUSTNO10   PIC X(6).
1289 000113C      02 FILLER PICTURE X(3).
1290 000114C      02 ACTIONC    PICTURE X.

```

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1292 LineID PL SL  ----+*A-1-B-+----2----+----3----+----4----+----5----+----6----+----7-|--
+----8 Map and Cross Reference

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```

1293 000115C      02 ACTIONH    PICTURE X.
1294 000116C      02 ACTIONO    PIC X(1).
1295 000117C      02 FILLER PICTURE X(3).
1296 000118C      02 MSG1C     PICTURE X.
1297 000119C      02 MSG1H     PICTURE X.
1298 000120C      02 MSG10     PIC X(79).
1299 000121C      02 FILLER PICTURE X(3).
1300 000122C      02 DUMMY1C    PICTURE X.
1301 000123C      02 DUMMY1H    PICTURE X.
1302 000124C      02 DUMMY10    PIC X(1).
1303 000125C      01 MNT2AABI.
1304 000126C      02 FILLER PIC X(12).
1305 000127C      02 TRANID2L   COMP PIC S9(4).
1306 000128C      02 TRANID2F   PICTURE X.
1307 000129C      02 FILLER REDEFINES TRANID2F.
1308 000130C      03 TRANID2A   PICTURE X.
1309 000131C      02 FILLER PICTURE X(2).
1310 000132C      02 TRANID2I   PIC X(4).
1311 000133C      02 INSTR2L   COMP PIC S9(4).
1312 000134C      02 INSTR2F   PICTURE X.
1313 000135C      02 FILLER REDEFINES INSTR2F.
1314 000136C      03 INSTR2A   PICTURE X.
1315 000137C      02 FILLER PICTURE X(2).
1316 000138C      02 INSTR2I   PIC X(79).
1317 000139C      02 CUSTNO2L   COMP PIC S9(4).
1318 000140C      02 CUSTNO2F   PICTURE X.
1319 000141C      02 FILLER REDEFINES CUSTNO2F.
1320 000142C      03 CUSTNO2A   PICTURE X.
1321 000143C      02 FILLER PICTURE X(2).
1322 000144C      02 CUSTNO2I   PIC X(6).
1323 000145C      02 LNAMEL    COMP PIC S9(4).
1324 000146C      02 LNAMEF    PICTURE X.
1325 000147C      02 FILLER REDEFINES LNAMEF.
1326 000148C      03 LNAMEA    PICTURE X.
1327 000149C      02 FILLER PICTURE X(2).
1328 000150C      02 LNAMEI    PIC X(30).
1329 000151C      02 FNAMEL    COMP PIC S9(4).
1330 000152C      02 FNAMEF    PICTURE X.
1331 000153C      02 FILLER REDEFINES FNAMEF.
1332 000154C      03 FNAMEA    PICTURE X.
1333 000155C      02 FILLER PICTURE X(2).
1334 000156C      02 FNAMEI    PIC X(20).
1335 000157C      02 ADDR1L    COMP PIC S9(4).
1336 000158C      02 ADDR1F    PICTURE X.
1337 000159C      02 FILLER REDEFINES ADDR1F.
1338 000160C      03 ADDR1A    PICTURE X.
1339 000161C      02 FILLER PICTURE X(2).

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1340 000162C      02 ADDRI  PIC X(30).
1341 000163C      02 CITYL   COMP PIC S9(4).
1342 000164C      02 CITYF   PICTURE X.
1343 000165C      02 FILLER REDEFINES CITYF.
1344 000166C          03 CITYA   PICTURE X.
1345 000167C      02 FILLER   PICTURE X(2).
1346 000168C      02 CITYI   PIC X(20).
1347 000169C      02 STATEL   COMP PIC S9(4).
1348 000170C      02 STATEF   PICTURE X.
1349 000171C      02 FILLER REDEFINES STATEF.

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1351 LineID PL SL -----*A-1-B--+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-|--
+-----8 Map and Cross Reference

```

1352 000172C          03 STATEA   PICTURE X.
1353 000173C      02 FILLER   PICTURE X(2).
1354 000174C      02 STATEI   PIC X(2).
1355 000175C      02 ZIPCODEL   COMP PIC S9(4).
1356 000176C      02 ZIPCODEF   PICTURE X.
1357 000177C      02 FILLER REDEFINES ZIPCODEF.
1358 000178C          03 ZIPCODEA   PICTURE X.
1359 000179C      02 FILLER   PICTURE X(2).
1360 000180C      02 ZIPCODEI   PIC X(10).
1361 000181C      02 MSG2L    COMP PIC S9(4).
1362 000182C      02 MSG2F    PICTURE X.
1363 000183C      02 FILLER REDEFINES MSG2F.
1364 000184C          03 MSG2A    PICTURE X.
1365 000185C      02 FILLER   PICTURE X(2).
1366 000186C      02 MSG2I    PIC X(79).
1367 000187C      02 DUMMY2L   COMP PIC S9(4).
1368 000188C      02 DUMMY2F   PICTURE X.
1369 000189C      02 FILLER REDEFINES DUMMY2F.
1370 000190C          03 DUMMY2A   PICTURE X.
1371 000191C      02 FILLER   PICTURE X(2).
1372 000192C      02 DUMMY2I   PIC X(1).
1373 000193C      01 MNT2AABO REDEFINES MNT2AABI.
1374 000194C      02 FILLER   PIC X(12).
1375 000195C      02 FILLER   PICTURE X(3).
1376 000196C      02 TRANID2C   PICTURE X.
1377 000197C      02 TRANID2H   PICTURE X.
1378 000198C      02 TRANID2O   PIC X(4).
1379 000199C      02 FILLER   PICTURE X(3).
1380 000200C      02 INSTR2C   PICTURE X.
1381 000201C      02 INSTR2H   PICTURE X.
1382 000202C      02 INSTR2O   PIC X(79).
1383 000203C      02 FILLER   PICTURE X(3).
1384 000204C      02 CUSTNO2C   PICTURE X.
1385 000205C      02 CUSTNO2H   PICTURE X.
1386 000206C      02 CUSTNO2O   PIC X(6).
1387 000207C      02 FILLER   PICTURE X(3).
1388 000208C      02 LNAMEC    PICTURE X.
1389 000209C      02 LNAMEH    PICTURE X.
1390 000210C      02 LNAMEO    PIC X(30).
1391 000211C      02 FILLER   PICTURE X(3).
1392 000212C      02 FNAMEC    PICTURE X.
1393 000213C      02 FNAMEH    PICTURE X.
1394 000214C      02 FNAMEO    PIC X(20).

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1395 000215C      02 FILLER PICTURE X(3).
1396 000216C      02 ADDRCL PICTURE X.
1397 000217C      02 ADDRHL PICTURE X.
1398 000218C      02 ADDRLO PIC X(30).
1399 000219C      02 FILLER PICTURE X(3).
1400 000220C      02 CITYCL PICTURE X.
1401 000221C      02 CITYHL PICTURE X.
1402 000222C      02 CITYLO PIC X(20).
1403 000223C      02 FILLER PICTURE X(3).
1404 000224C      02 STATECL PICTURE X.
1405 000225C      02 STATEHL PICTURE X.
1406 000226C      02 STATELO PIC X(2).
1407 000227C      02 FILLER PICTURE X(3).
1408 000228C      02 ZIPCODEC PICTURE X.
1409 PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.2.0 P190107 CMMNTAAB Date 02/28/2021
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1410 LineID PL SL ----+*A-1-B-+----2-+----3-+----4-+----5-+----6-+----7-|--
      +----8 Map and Cross Reference
1411 000229C      02 ZIPCODEH PICTURE X.
1412 000230C      02 ZIPCODEO PIC X(10).
1413 000231C      02 FILLER PICTURE X(3).
1414 000232C      02 MSG2CL PICTURE X.
1415 000233C      02 MSG2HL PICTURE X.
1416 000234C      02 MSG2LO PIC X(79).
1417 000235C      02 FILLER PICTURE X(3).
1418 000236C      02 DUMMY2CL PICTURE X.
1419 000237C      02 DUMMY2HL PICTURE X.
1420 000238C      02 DUMMY2LO PIC X(1).
1421 000239      *
1422 000240      COPY DFHAID.
1423 000241C      *****
1424 000242C      *
1425 000243C      *
1426 000244C      *
1427 000245C      * Licensed Materials - Property of IBM
1428 000246C      *
1429 000247C      * "Restricted Materials of IBM"
1430 000248C      *
1431 000249C      * 5655-Y04
1432 000250C      *
1433 000251C      * (C) Copyright IBM Corp. 1988, 2010"
1434 000252C      *
1435 000253C      *
1436 000254C      *
1437 000255C      *
1438 000256C      * STATUS = 7.1.0
1439 000257C      *
1440 000258C      * CHANGE ACTIVITY :
1441 000259C      *
1442 000260C      * $SEG(DFHAID),COMP(BMS),PROD(CICS TS ):
1443 000261C      *
1444 000262C      * PN= REASON REL YYMMDD HDXXIII : REMARKS
1445 000263C      * $D1= I07991 670 100820 HDIGPG : Translate unprintable char
1446 000264C      * $L0= Base 210 88 HD1MA : Base
1447 000265C      *
1448 000266C      *****
1449 000267C      *

```



```

1450 000268C      *
1451 000269C      01  DFHAID.
1452 000270C      02  DFHNULL    PIC X  VALUE IS X'00'.
1453 000271C      02  DFHENTER   PIC X  VALUE IS ' ' .
1454 000272C      02  DFHCLEAR   PIC X  VALUE IS ' ' .
1455 000273C      02  DFHCLRP    PIC X  VALUE IS 'I' .
1456 000274C      02  DFHPEN     PIC X  VALUE IS '=' .
1457 000275C      02  DFHOPID    PIC X  VALUE IS 'W' .
1458 000276C      02  DFHMSRE    PIC X  VALUE IS 'X' .
1459 000277C      02  DFHSTRF    PIC X  VALUE IS 'h' .
1460 000278C      02  DFHTRIG    PIC X  VALUE IS ' ' .
1461 000279C      02  DFHPA1     PIC X  VALUE IS '%' .
1462 000280C      02  DFHPA2     PIC X  VALUE IS '>' .
1463 000281C      02  DFHPA3     PIC X  VALUE IS ',' .
1464 000282C      02  DFHPF1     PIC X  VALUE IS '1' .
1465 000283C      02  DFHPF2     PIC X  VALUE IS '2' .
1466 000284C      02  DFHPF3     PIC X  VALUE IS '3' .
1467 000285C      02  DFHPF4     PIC X  VALUE IS '4' .
1468 PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.2.0 P190107 CMMNTAAB Date 02/28/2021
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1469 LineID PL SL -----*A-1-B-+-----2-+-----3-+-----4-+-----5-+-----6-+-----7-|---
      +-----8 Map and Cross Reference
1470 000286C      02  DFHPF5     PIC X  VALUE IS '5' .
1471 000287C      02  DFHPF6     PIC X  VALUE IS '6' .
1472 000288C      02  DFHPF7     PIC X  VALUE IS '7' .
1473 000289C      02  DFHPF8     PIC X  VALUE IS '8' .
1474 000290C      02  DFHPF9     PIC X  VALUE IS '9' .
1475 000291C      02  DFHPF10    PIC X  VALUE IS ':' .
1476 000292C      02  DFHPF11    PIC X  VALUE IS '#' .
1477 000293C      02  DFHPF12    PIC X  VALUE IS '@' .
1478 000294C      02  DFHPF13    PIC X  VALUE IS 'A' .
1479 000295C      02  DFHPF14    PIC X  VALUE IS 'B' .
1480 000296C      02  DFHPF15    PIC X  VALUE IS 'C' .
1481 000297C      02  DFHPF16    PIC X  VALUE IS 'D' .
1482 000298C      02  DFHPF17    PIC X  VALUE IS 'E' .
1483 000299C      02  DFHPF18    PIC X  VALUE IS 'F' .
1484 000300C      02  DFHPF19    PIC X  VALUE IS 'G' .
1485 000301C      02  DFHPF20    PIC X  VALUE IS 'H' .
1486 000302C      02  DFHPF21    PIC X  VALUE IS 'I' .
1487 000303C      02  DFHPF22    PIC X  VALUE IS 'J' .
1488 000304C      02  DFHPF23    PIC X  VALUE IS '.' .
1489 000305C      02  DFHPF24    PIC X  VALUE IS '<' .
1490 000306      *
1491 000307      COPY ATTR.
1492 000308C      01  ATTRIBUTE-DEFINITIONS.
1493 000309C      *
1494 000310C      05  ATTR-UNPROT          PIC X  VALUE ' ' .
1495 000311C      05  ATTR-UNPROT-MDT      PIC X  VALUE X'C1' .
1496 000312C      05  ATTR-UNPROT-BRT      PIC X  VALUE X'C8' .
1497 000313C      05  ATTR-UNPROT-BRT-MDT  PIC X  VALUE X'C9' .
1498 000314C      05  ATTR-UNPROT-DARK     PIC X  VALUE X'4C' .
1499 000315C      05  ATTR-UNPROT-DARK-MDT PIC X  VALUE X'4D' .
1500 000316C      05  ATTR-UNPROT-NUM      PIC X  VALUE X'50' .
1501 000317C      05  ATTR-UNPROT-NUM-MDT  PIC X  VALUE X'D1' .
1502 000318C      05  ATTR-UNPROT-NUM-BRT  PIC X  VALUE X'D8' .
1503 000319C      05  ATTR-UNPROT-NUM-BRT-MDT PIC X  VALUE X'D9' .
1504 000320C      05  ATTR-UNPROT-NUM-DARK PIC X  VALUE X'5C' .

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1505	000321C	05	ATTR-UNPROT-NUM-DARK-MDT	PIC X	VALUE X'5D'.
1506	000322C	05	ATTR-PROT	PIC X	VALUE X'60'.
1507	000323C	05	ATTR-PROT-MDT	PIC X	VALUE X'61'.
1508	000324C	05	ATTR-PROT-BRT	PIC X	VALUE X'E8'.
1509	000325C	05	ATTR-PROT-BRT-MDT	PIC X	VALUE X'E9'.
1510	000326C	05	ATTR-PROT-DARK	PIC X	VALUE '%'.
1511	000327C	05	ATTR-PROT-DARK-MDT	PIC X	VALUE X'6D'.
1512	000328C	05	ATTR-PROT-SKIP	PIC X	VALUE X'F0'.
1513	000329C	05	ATTR-PROT-SKIP-MDT	PIC X	VALUE X'F1'.
1514	000330C	05	ATTR-PROT-SKIP-BRT	PIC X	VALUE X'F8'.
1515	000331C	05	ATTR-PROT-SKIP-BRT-MDT	PIC X	VALUE X'F9'.
1516	000332C	05	ATTR-PROT-SKIP-DARK	PIC X	VALUE X'7C'.
1517	000333C	05	ATTR-PROT-SKIP-DARK-MDT	PIC X	VALUE X'7D'.
1518	000334C	*			
1519	000335C	05	ATTR-NO-HIGHLIGHT	PIC X	VALUE X'00'.
1520	000336C	05	ATTR-BLINK	PIC X	VALUE '1'.
1521	000337C	05	ATTR-REVERSE	PIC X	VALUE '2'.
1522	000338C	05	ATTR-UNDERSCORE	PIC X	VALUE '4'.
1523	000339C	*			
1524	000340C	05	ATTR-DEFAULT-COLOR	PIC X	VALUE X'00'.
1525	000341C	05	ATTR-BLUE	PIC X	VALUE '1'.
1526	000342C	05	ATTR-RED	PIC X	VALUE '2'.

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1528 LineID PL SL -----*A-1-B-----2-----3-----4-----5-----6-----7-|--
 +----8 Map and Cross Reference

1529	000343C	05	ATTR-PINK	PIC X	VALUE '3'.
1530	000344C	05	ATTR-GREEN	PIC X	VALUE '4'.
1531	000345C	05	ATTR-TURQUOISE	PIC X	VALUE '5'.
1532	000346C	05	ATTR-YELLOW	PIC X	VALUE '6'.
1533	000347C	05	ATTR-NEUTRAL	PIC X	VALUE '7'.
1534	000348C				
1535	000349C				
1536	000350	*			
1537	000351		COPY ERRPARM.		
1538	000352C	01	ERROR-PARAMETERS.		
1539	000353C	*			
1540	000354C	05	ERR-RESP	PIC S9(8)	COMP.
1541	000355C	05	ERR-RESP2	PIC S9(8)	COMP.
1542	000356C	05	ERR-TRNID	PIC X(4).	
1543	000357C	05	ERR-RSRCE	PIC X(8).	
1544	000358C				
1545	000359C				
1546	000360	*			
1547	000361				
1548	000362	01	dfhb0020	comp pic s9(4)	is global.
1549	000363	01	dfhb0021	comp pic s9(4)	is global.
1550	000364	01	dfhb0022	comp pic s9(4)	is global.
1551	000365	01	dfhb0023	comp pic s9(4)	is global.
1552	000366	01	dfhb0024	comp pic s9(4)	is global.
1553	000367	01	dfhb0025	comp pic s9(4)	is global.
1554	000368	01	dfhc2550	pic x(255)	is global.
1555	000369	01	dfhc2551	pic x(255)	is global.
1556	000370	01	dfhc2552	pic x(255)	is global.
1557	000371	01	dfhc2553	pic x(255)	is global.
1558	000372	01	dfhc2460	pic x(246)	is global.
1559	000373	01	dfhc2400	pic x(240)	is global.

```

1560 000374      01  dfhc2401  pic x(240) is global.
1561 000375      01  dfhc2402  pic x(240) is global.
1562 000376      01  dfhc2403  pic x(240) is global.
1563 000377      LINKAGE SECTION.
1564 000378      *
1565 000379      01  dfheiblk.
1566 000380      02    eibtime  comp-3 pic s9(7).
1567 000381      02    eibdate  comp-3 pic s9(7).
1568 000382      02    eibtrnid pic x(4).
1569 000383      02    eibtaskn comp-3 pic s9(7).
1570 000384      02    eibtrmid pic x(4).
1571 000385      02    dfheigdi comp pic s9(4).
1572 000386      02    eibcpesn comp pic s9(4).
1573 000387      02    eibcalen comp pic s9(4).
1574 000388      02    eibaid   pic x(1).
1575 000389      02    eibfn   pic x(2).
1576 000390      02    eibrcoe  pic x(6).
1577 000391      02    eibds   pic x(8).
1578 000392      02    eibreqid pic x(8).
1579 000393      02    eibsrce  pic x(8).
1580 000394      02    eibsync  pic x(1).
1581 000395      02    eibfree  pic x(1).
1582 000396      02    eibrecv  pic x(1).
1583 000397      02    eibfil01 pic x(1).
1584 000398      02    eibatt   pic x(1).
1585 000399      02    eibeoc   pic x(1).

```

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1587 LineID PL SL  ----+*A-1-B---+----2----+----3----+----4----+----5----+----6----+----7-|--
      +----8 Map and Cross Reference

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```

1588 000400      02    eibfmh   pic x(1).
1589 000401      02    eibcompl  pic x(1).
1590 000402      02    eibsig   pic x(1).
1591 000403      02    eibconf  pic x(1).
1592 000404      02    eiberr   pic x(1).
1593 000405      02    eiberrcd pic x(4).
1594 000406      02    eibsynrb pic x(1).
1595 000407      02    eibnodat pic x(1).
1596 000408      02    eibresp  comp pic s9(8).
1597 000409      02    eibresp2 comp pic s9(8).
1598 000410      02    eibrldbk pic x(1).
1599 000411      01  DFHCOMMAREA                                PIC X(119).
1600 000412      *
1601 000413      PROCEDURE DIVISION using dfheiblk dfhcommarea.
1602 000414      *
1603 000415      0000-PROCESS-CUSTOMER-MAINT.
1604 000416      *
1605 000417      IF EIBCALEN > ZERO
1606 000418      1      MOVE DFHCOMMAREA TO COMMUNICATION-AREA
1607 000419      END-IF.
1608 000420      *
1609 000421      EVALUATE TRUE
1610 000422      *
1611 000423      WHEN EIBCALEN = ZERO
1612 000424      1      MOVE LOW-VALUE TO MNT1AABO
1613 000425      1      MOVE -1 TO CUSTNO1L
1614 000426      1      SET SEND-ERASE TO TRUE

```

```

1615 000427      1      PERFORM 1500-SEND-KEY-MAP
1616 000428      1      SET PROCESS-KEY-MAP TO TRUE
1617 000429      *
1618 000430      WHEN EIBAID = DFHPF3
1619 000431      *EXEC CICS
1620 000432      *    INQUIRE FILE('CMFAAB')
1621 000433      *    OPENSTATUS(CMF-OPEN-STATUS)
1622 000434      *    ENABLESTATUS(CMF-ENABLE-STATUS)
1623 000435      *END-EXEC
1624 000436      1      Call 'DFHEI1' using by content x'4c028006078006000000
1625 000437      1      - '000000f0f0f0f8f9404040' by content 'CMFAAB ' by content x'0
1626 000438      1      - '000' by content x'0000' by content x'0000' by content x'0000
1627 000439      1      - '' by content x'0000' by content x'0000' by content x'0000'
1628 000440      1      by content x'0000' by content x'0000' by content x'0000' by
1629 000441      1      content x'0000' by content x'0000' by reference
1630 000442      1      CMF-OPEN-STATUS by reference CMF-ENABLE-STATUS end-call
1631 000443
1632 000444      * DFHVALUE(OPEN) = 18      INSERTED BY TRANSLATOR
1633 000445      1      IF CMF-OPEN-STATUS = 18
1634 000446      *EXEC CICS
1635 000447      *    SET FILE('CMFAAB') CLOSED
1636 000448      *END-EXEC
1637 000449      2      Call 'DFHEI1' using by content x'4c04800007800000
1638 000450      2      - '0000004000f0f0f9f5404040' by content 'CMFAAB ' end-call
1639 000451
1640 000452      2      MOVE 'N' TO CMF-OPEN
1641 000453      1      END-IF
1642 000454      *EXEC CICS
1643 000455      *    XCTL PROGRAM('UUMENAAB')
1644 000456      *END-EXEC

```

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1646 LineID PL SL -----*A-1-B---+---2---+---3---+---4---+---5---+---6---+---7---|--
+---8 Map and Cross Reference

```

1647 000457      1      Call 'DFHEI1' using by content x'0e0480000700000200f0
1648 000458      1      - 'f0f1f0f0404040' by content 'UUMENAAB' end-call
1649 000459
1650 000460      *
1651 000461      WHEN EIBAID = DFHPF12
1652 000462      *EXEC CICS
1653 000463      *    INQUIRE FILE('CMFAAB')
1654 000464      *    OPENSTATUS(CMF-OPEN-STATUS)
1655 000465      *    ENABLESTATUS(CMF-ENABLE-STATUS)
1656 000466      *END-EXEC
1657 000467      1      Call 'DFHEI1' using by content x'4c028006078006000000
1658 000468      1      - '000000f0f0f1f0f5404040' by content 'CMFAAB ' by content x'0
1659 000469      1      - '000' by content x'0000' by content x'0000' by content x'0000
1660 000470      1      - '' by content x'0000' by content x'0000' by content x'0000'
1661 000471      1      by content x'0000' by content x'0000' by content x'0000' by
1662 000472      1      content x'0000' by content x'0000' by reference
1663 000473      1      CMF-OPEN-STATUS by reference CMF-ENABLE-STATUS end-call
1664 000474
1665 000475      * DFHVALUE(OPEN) = 18      INSERTED BY TRANSLATOR
1666 000476      1      IF CMF-OPEN-STATUS = 18
1667 000477      *EXEC CICS
1668 000478      *    SET FILE('CMFAAB') CLOSED
1669 000479      *END-EXEC

```

```

1670 000480      2      Call 'DFHEI1' using by content x'4c04800007800000
1671 000481      2      - '0000004000f0f0f1f1404040' by content 'CMFAAB ' end-call
1672 000482
1673 000483      2      MOVE 'N' TO CMF-OPEN
1674 000484      1      END-IF
1675 000485      1      IF PROCESS-KEY-MAP
1676 000486      *EXEC CICS
1677 000487      *    XCTL PROGRAM('CMMNTAAB')
1678 000488      *END-EXEC
1679 000489      2      Call 'DFHEI1' using by content x'0e04800007000002
1680 000490      2      - '00f0f0f1f1f7404040' by content 'CMMNTAAB' end-call
1681 000491
1682 000492      1      ELSE
1683 000493      2      MOVE LOW-VALUE TO MNT1AABO
1684 000494      2      MOVE -1 TO CUSTNO1L
1685 000495      2      SET SEND-ERASE TO TRUE
1686 000496      2      PERFORM 1500-SEND-KEY-MAP
1687 000497      2      SET PROCESS-KEY-MAP TO TRUE
1688 000498      1      END-IF
1689 000499      *
1690 000500      WHEN EIBAID = DFHCLEAR
1691 000501      1      IF PROCESS-KEY-MAP
1692 000502      2      MOVE LOW-VALUE TO MNT1AABO
1693 000503      2      MOVE -1 TO CUSTNO1L
1694 000504      2      SET SEND-ERASE TO TRUE
1695 000505      2      PERFORM 1500-SEND-KEY-MAP
1696 000506      1      ELSE
1697 000507      2      MOVE LOW-VALUE TO MNT2AABO
1698 000508      2      MOVE CA-CUSTOMER-NUMBER TO CUSTNO20
1699 000509      2      EVALUATE TRUE
1700 000510      2      WHEN PROCESS-ADD-CUSTOMER
1701 000511      3      MOVE ADD-INSTRUCTION TO INSTR20
1702 000512      2      WHEN PROCESS-CHANGE-CUSTOMER
1703 000513      3      MOVE CHANGE-INSTRUCTION TO INSTR20
1704 PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.2.0 P190107 CMMNTAAB Date 02/28/2021
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1705 LineID PL SL  ----+--*A-1-B--+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-|--
      +-----8 Map and Cross Reference
1706 000514      2      WHEN PROCESS-DELETE-CUSTOMER
1707 000515      3      MOVE DELETE-INSTRUCTION TO INSTR20
1708 000516      2      END-EVALUATE
1709 000517      2      MOVE -1 TO LNAMEL
1710 000518      2      SET SEND-ERASE TO TRUE
1711 000519      2      PERFORM 1400-SEND-DATA-MAP
1712 000520      1      END-IF
1713 000521      *
1714 000522      WHEN EIBAID = DFHPA1 OR DFHPA2 OR DFHPA3
1715 000523      1      CONTINUE
1716 000524      *
1717 000525      WHEN EIBAID = DFHENTER
1718 000526      1      EVALUATE TRUE
1719 000527      1      WHEN PROCESS-KEY-MAP
1720 000528      2      PERFORM 1000-PROCESS-KEY-MAP
1721 000529      1      WHEN PROCESS-ADD-CUSTOMER
1722 000530      2      PERFORM 2000-PROCESS-ADD-CUSTOMER
1723 000531      1      WHEN PROCESS-CHANGE-CUSTOMER
1724 000532      2      PERFORM 3000-PROCESS-CHANGE-CUSTOMER

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1725 000533      1          WHEN PROCESS-DELETE-CUSTOMER
1726 000534      2          PERFORM 4000-PROCESS-DELETE-CUSTOMER
1727 000535      1          END-EVALUATE
1728 000536      *
1729 000537          WHEN OTHER
1730 000538      1          IF PROCESS-KEY-MAP
1731 000539      2          MOVE LOW-VALUE TO MNT1AABO
1732 000540      2          MOVE 'That key is unassigned.' TO MSG10
1733 000541      2          MOVE -1 TO CUSTN01L
1734 000542      2          SET SEND-DATAONLY-ALARM TO TRUE
1735 000543      2          PERFORM 1500-SEND-KEY-MAP
1736 000544      1          ELSE
1737 000545      2          MOVE LOW-VALUE TO MNT2AABO
1738 000546      2          MOVE 'That key is unassigned.' TO MSG20
1739 000547      2          MOVE -1 TO LNAMEL
1740 000548      2          SET SEND-DATAONLY-ALARM TO TRUE
1741 000549      2          PERFORM 1400-SEND-DATA-MAP
1742 000550      1          END-IF
1743 000551      *
1744 000552          END-EVALUATE.
1745 000553
1746 000554      *EXEC CICS
1747 000555      *  RETURN TRANSID('MAAB')
1748 000556      *  COMMAREA(COMMUNICATION-AREA)
1749 000557      *END-EXEC.
1750 000558          Move length of COMMUNICATION-AREA to dfhb0020
1751 000559          Call 'DFHEI1' using by content x'0e08e0000700001000f0f0f1f8f2
1752 000560      -  '404040' by content 'MAAB' by reference COMMUNICATION-AREA by
1753 000561          reference dfhb0020 end-call.
1754 000562      *
1755 000563          1000-PROCESS-KEY-MAP.
1756 000564      *
1757 000565          PERFORM 1100-RECEIVE-KEY-MAP.
1758 000566          PERFORM 1200-EDIT-KEY-DATA.
1759 000567          IF VALID-DATA
1760 000568      1          IF NOT PROCESS-DELETE-CUSTOMER
1761 000569      2          INSPECT CUSTOMER-MASTER-RECORD
1762 000570      2          REPLACING ALL SPACE BY ' '

```

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1764 LineID PL SL -----*A-1-B-----2-----3-----4-----5-----6-----7-|--
+-----8 Map and Cross Reference

```

1765 000571      1          END-IF
1766 000572      1          MOVE CUSTN01I      TO CUSTN020
1767 000573      1          MOVE CM-LAST-NAME TO LNAMEO
1768 000574      1          MOVE CM-FIRST-NAME TO FNAMEO
1769 000575      1          MOVE CM-ADDRESS  TO ADDRO
1770 000576      1          MOVE CM-CITY     TO CITYO
1771 000577      1          MOVE CM-STATE    TO STATEO
1772 000578      1          MOVE CM-ZIP-CODE  TO ZIPCODEO
1773 000579      1          MOVE -1 TO LNAMEL
1774 000580      1          SET SEND-ERASE TO TRUE
1775 000581      1          PERFORM 1400-SEND-DATA-MAP
1776 000582          ELSE
1777 000583      1          MOVE LOW-VALUE TO CUSTN010
1778 000584      1          ACTIONO
1779 000585      1          SET SEND-DATAONLY-ALARM TO TRUE

```



```

1780 000586      1      PERFORM 1500-SEND-KEY-MAP
1781 000587      END-IF.
1782 000588      *
1783 000589      1100-RECEIVE-KEY-MAP.
1784 000590      *
1785 000591      *EXEC CICS
1786 000592      *      RECEIVE MAP('MNT1AAB')
1787 000593      *      MAPSET('MNTSAAB')
1788 000594      *      INTO(MNT1AABI)
1789 000595      *END-EXEC.
1790 000596      Call 'DFHEI1' using by content x'1802d0000700000000509000000
1791 000597      - '20f0f0f2f1f5404040' by content 'MNT1AAB' by reference
1792 000598      MNT1AABI by content x'0000' by content 'MNTSAAB' end-call.
1793 000599
1794 000600
1795 000601      *
1796 000602      INSPECT MNT1AABI
1797 000603      REPLACING ALL '_' BY SPACE.
1798 000604      *
1799 000605      1200-EDIT-KEY-DATA.
1800 000606      *
1801 000607      MOVE ATTR-NO-HIGHLIGHT TO ACTIONH
1802 000608      CUSTN01H.
1803 000609      *
1804 000610      IF ACTIONI NOT = '1' AND '2' AND '3'
1805 000611      1      MOVE ATTR-REVERSE TO ACTIONH
1806 000612      1      MOVE -1 TO ACTIONL
1807 000613      1      MOVE 'Action must be 1, 2, or 3.' TO MSG10
1808 000614      1      MOVE 'N' TO VALID-DATA-SW
1809 000615      END-IF.
1810 000616      *
1811 000617      IF      CUSTN01L = ZERO
1812 000618      OR CUSTN01I = SPACE
1813 000619      1      MOVE ATTR-REVERSE TO CUSTN01H
1814 000620      1      MOVE -1 TO CUSTN01L
1815 000621      1      MOVE 'You must enter a customer number.' TO MSG10
1816 000622      1      MOVE 'N' TO VALID-DATA-SW
1817 000623      END-IF.
1818 000624      *
1819 000625      IF VALID-DATA
1820 000626      1      MOVE LOW-VALUE TO MNT2AAB0
1821 000627      1      EVALUATE ACTIONI
1822 PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.2.0 P190107      CMMNTAAB Date 02/28/2021
      Time 16:13:13      Page      14
1823 LineID PL SL -----*A-1-B-+-----2-+-----3-+-----4-+-----5-+-----6-+-----7-|--
      +-----8 Map and Cross Reference
1824 000628      1      WHEN '1'
1825 000629      2      PERFORM 1300-READ-CUSTOMER-RECORD
1826 000630      * DFHRESP(NOTFND) = 13      INSERTED BY TRANSLATOR
1827 000631      2      IF RESPONSE-CODE = 13
1828 000632      3      MOVE ADD-INSTRUCTION TO INSTR20
1829 000633      3      SET PROCESS-ADD-CUSTOMER TO TRUE
1830 000634      3      MOVE SPACE TO CUSTOMER-MASTER-RECORD
1831 000635      2      ELSE
1832 000636      * DFHRESP(NORMAL) = 0      INSERTED BY TRANSLATOR
1833 000637      3      IF RESPONSE-CODE = 0
1834 000638      4      MOVE 'That customer already exists.'

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1835 000639      4                                TO MSG10
1836 000640      4                                MOVE 'N' TO VALID-DATA-SW
1837 000641      3                                END-IF
1838 000642      2                                END-IF
1839 000643      1                                WHEN '2'
1840 000644      2                                PERFORM 1300-READ-CUSTOMER-RECORD
1841 000645      * DFHRESP(NORMAL) = 0                                INSERTED BY TRANSLATOR
1842 000646      2                                IF RESPONSE-CODE = 0
1843 000647      3                                MOVE CUSTOMER-MASTER-RECORD TO
1844 000648      3                                CA-CUSTOMER-RECORD
1845 000649      3                                MOVE CHANGE-INSTRUCTION TO INSTR20
1846 000650      3                                SET PROCESS-CHANGE-CUSTOMER TO TRUE
1847 000651      2                                ELSE
1848 000652      * DFHRESP(NOTFND) = 13                                INSERTED BY TRANSLATOR
1849 000653      3                                IF RESPONSE-CODE = 13
1850 000654      4                                MOVE 'That customer does not exist.' TO
1851 000655      4                                MSG10
1852 000656      4                                MOVE 'N' TO VALID-DATA-SW
1853 000657      3                                END-IF
1854 000658      2                                END-IF
1855 000659      1                                WHEN '3'
1856 000660      2                                PERFORM 1300-READ-CUSTOMER-RECORD
1857 000661      * DFHRESP(NORMAL) = 0                                INSERTED BY TRANSLATOR
1858 000662      2                                IF RESPONSE-CODE = 0
1859 000663      3                                MOVE CUSTOMER-MASTER-RECORD TO
1860 000664      3                                CA-CUSTOMER-RECORD
1861 000665      3                                MOVE DELETE-INSTRUCTION TO INSTR20
1862 000666      3                                SET PROCESS-DELETE-CUSTOMER TO TRUE
1863 000667      3                                MOVE ATTR-PROT TO LNAMEA
1864 000668      3                                FNAMEA
1865 000669      3                                ADDRA
1866 000670      3                                CITYA
1867 000671      3                                STATEA
1868 000672      3                                ZIPCODEA
1869 000673      2                                ELSE
1870 000674      * DFHRESP(NOTFND) = 13                                INSERTED BY TRANSLATOR
1871 000675      3                                IF RESPONSE-CODE = 13
1872 000676      4                                MOVE 'That customer does not exist.' TO
1873 000677      4                                MSG10
1874 000678      4                                MOVE 'N' TO VALID-DATA-SW
1875 000679      3                                END-IF
1876 000680      2                                END-IF
1877 000681      1                                END-EVALUATE.
1878 000682      *
1879 000683      1300-READ-CUSTOMER-RECORD.
1880 000684      *

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1881PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.2.0 P190107 CMMNTAAB Date 02/28/2021
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1882 LineID PL SL ----+*A-1-B-+----2-+----3-+----4-+----5-+----6-+----7-|--
+----8 Map and Cross Reference
1883 000685      *EXEC CICS
1884 000686      *    INQUIRE FILE('CMFAAB')
1885 000687      *    OPENSTATUS(CMF-OPEN-STATUS)
1886 000688      *    ENABLESTATUS(CMF-ENABLE-STATUS)
1887 000689      *END-EXEC.
1888 000690      Call 'DFHEI1' using by content x'4c0280060780060000000000f0
1889 000691      -    'f0f2f9f8404040' by content 'CMFAAB ' by content x'0000' by

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1890 000692          content x'0000' by content x'0000' by content x'0000' by
1891 000693          content x'0000' by content x'0000' by content x'0000' by
1892 000694          content x'0000' by content x'0000' by content x'0000' by
1893 000695          content x'0000' by content x'0000' by reference
1894 000696          CMF-OPEN-STATUS by reference CMF-ENABLE-STATUS end-call.
1895 000697
1896 000698
1897 000699          * DFHVALUE(CLOSED) = 19                      INSERTED BY TRANSLATOR
1898 000700          IF CMF-OPEN-STATUS = 19
1899 000701          *EXEC CICS
1900 000702          *      SET FILE('CMFAAB') OPEN
1901 000703          *END-EXEC
1902 000704          1          Call 'DFHEI1' using by content x'4c04800078000000000080
1903 000705          1          - '00f0f0f3f0f5404040' by content 'CMFAAB ' end-call
1904 000706
1905 000707          1          MOVE 'Y' TO CMF-OPEN
1906 000708          END-IF.
1907 000709
1908 000710          *EXEC CICS
1909 000711          *      READ FILE('CMFAAB')
1910 000712          *      INTO(CUSTOMER-MASTER-RECORD)
1911 000713          *      RIDFLD(CUSTN01I)
1912 000714          *      RESP(RESPONSE-CODE)
1913 000715          *END-EXEC.
1914 000716          Move length of CUSTOMER-MASTER-RECORD to dfhb0020
1915 000717          Call 'DFHEI1' using by content x'0602f0002700008000f0f0f3f1f1
1916 000718          - '404040' by content 'CMFAAB ' by reference
1917 000719          CUSTOMER-MASTER-RECORD by reference dfhb0020 by reference
1918 000720          CUSTN01I end-call      Move eibresp to RESPONSE-CODE.
1919 000721
1920 000722          *
1921 000723          * DFHRESP(NORMAL) = 0                      INSERTED BY TRANSLATOR
1922 000724          IF      RESPONSE-CODE NOT = 0
1923 000725          * DFHRESP(NOTFND) = 13                      INSERTED BY TRANSLATOR
1924 000726          AND RESPONSE-CODE NOT = 13
1925 000727          1          PERFORM 9999-TERMINATE-PROGRAM
1926 000728          END-IF.
1927 000729          *
1928 000730
1929 000731          1400-SEND-DATA-MAP.
1930 000732          *
1931 000733          MOVE 'MAAB' TO TRANID20.
1932 000734          *
1933 000735          EVALUATE TRUE
1934 000736          WHEN SEND-ERASE
1935 000737          *EXEC CICS
1936 000738          *      SEND MAP('MNT2AAB')
1937 000739          *      MAPSET('MNTSAAB')
1938 000740          *      FROM(MNT2AAB0)
1939 000741          *      ERASE
1940 PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.2.0 P190107          CMMNTAAB Date 02/28/2021
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1941 LineID PL SL -----*A-1-B-+-----2-+-----3-+-----4-+-----5-+-----6-+-----7-|---
+-----8 Map and Cross Reference
1942 000742          *      CURSOR
1943 000743          *END-EXEC
1944 000744          1          Move length of MNT2AAB0 to dfhb0020

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1945 000745      1          Move -1 to dfhb0021
1946 000746      1          Call 'DFHEI1' using by content x'1804f100070000000015
1947 000747      1      -    'e204000020f0f0f3f3f0404040' by content 'MNT2AAB' by
1948 000748      1          reference MNT2AAB0 by reference dfhb0020 by content 'MNTSAAB'
1949 000749      1          by content x'0000' by content x'0000' by content x'0000' by
1950 000750      1          reference dfhb0021 end-call
1951 000751          WHEN SEND-DATAONLY-ALARM
1952 000752      *EXEC CICS
1953 000753      *      SEND MAP('MNT2AAB')
1954 000754      *      MAPSET('MNTSAAB')
1955 000755      *      FROM(MNT2AAB0)
1956 000756      *      DATAONLY
1957 000757      *      ALARM
1958 000758      *      CURSOR
1959 000759      *EXEC
1960 000760      1          Move length of MNT2AAB0 to dfhb0020
1961 000761      1          Move -1 to dfhb0021
1962 000762      1          Call 'DFHEI1' using by content x'1804f1000700c400001d
1963 000763      1      -    '2004000020f0f0f3f3f8404040' by content 'MNT2AAB' by
1964 000764      1          reference MNT2AAB0 by reference dfhb0020 by content 'MNTSAAB'
1965 000765      1          by content x'0000' by content x'0000' by content x'0000' by
1966 000766      1          reference dfhb0021 end-call
1967 000767
1968 000768          END-EVALUATE.
1969 000769      *
1970 000770          1500-SEND-KEY-MAP.
1971 000771      *
1972 000772          MOVE 'MAAB' TO TRANID10.
1973 000773      *
1974 000774          EVALUATE TRUE
1975 000775          WHEN SEND-ERASE
1976 000776      *EXEC CICS
1977 000777      *      SEND MAP('MNT1AAB')
1978 000778      *      MAPSET('MNTSAAB')
1979 000779      *      FROM(MNT1AAB0)
1980 000780      *      ERASE
1981 000781      *      CURSOR
1982 000782      *END-EXEC
1983 000783      1          Move length of MNT1AAB0 to dfhb0020
1984 000784      1          Move -1 to dfhb0021
1985 000785      1          Call 'DFHEI1' using by content x'1804f100070000000015
1986 000786      1      -    'e204000020f0f0f3f5f4404040' by content 'MNT1AAB' by
1987 000787      1          reference MNT1AAB0 by reference dfhb0020 by content 'MNTSAAB'
1988 000788      1          by content x'0000' by content x'0000' by content x'0000' by
1989 000789      1          reference dfhb0021 end-call
1990 000790          WHEN SEND-ERASE-ALARM
1991 000791      *EXEC CICS
1992 000792      *      SEND MAP('MNT1AAB')
1993 000793      *      MAPSET('MNTSAAB')
1994 000794      *      FROM(MNT1AAB0)
1995 000795      *      ERASE
1996 000796      *      ALARM
1997 000797      *      CURSOR
1998 000798      *END-EXEC

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+----8 Map and Cross Reference

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2001 000799      1      Move length of MNT1AAB0 to dfhb0020
2002 000800      1      Move -1 to dfhb0021
2003 000801      1      Call 'DFHEI1' using by content x'1804f1000700c400001d
2004 000802      1      - 'e204000020f0f0f3f6f2404040' by content 'MNT1AAB' by
2005 000803      1      reference MNT1AAB0 by reference dfhb0020 by content 'MNTSAAB'
2006 000804      1      by content x'0000' by content x'0000' by content x'0000' by
2007 000805      1      reference dfhb0021 end-call
2008 000806
2009 000807      WHEN SEND-DATAONLY-ALARM
2010 000808      *EXEC CICS
2011 000809      *      SEND MAP('MNT1AAB')
2012 000810      *      MAPSET('MNTSAAB')
2013 000811      *      FROM(MNT1AAB0)
2014 000812      *      DATAONLY
2015 000813      *      ALARM
2016 000814      *      CURSOR
2017 000815      *END-EXEC
2018 000816      1      Move length of MNT1AAB0 to dfhb0020
2019 000817      1      Move -1 to dfhb0021
2020 000818      1      Call 'DFHEI1' using by content x'1804f1000700c400001d
2021 000819      1      - '2004000020f0f0f3f7f1404040' by content 'MNT1AAB' by
2022 000820      1      reference MNT1AAB0 by reference dfhb0020 by content 'MNTSAAB'
2023 000821      1      by content x'0000' by content x'0000' by content x'0000' by
2024 000822      1      reference dfhb0021 end-call
2025 000823
2026 000824      END-EVALUATE.
2027 000825      *
2028 000826      2000-PROCESS-ADD-CUSTOMER.
2029 000827      *
2030 000828      PERFORM 2100-RECEIVE-DATA-MAP.
2031 000829      PERFORM 2200-EDIT-CUSTOMER-DATA.
2032 000830      IF VALID-DATA
2033 000831      1      PERFORM 2300-WRITE-CUSTOMER-RECORD
2034 000832      * DFHRESP(NORMAL) = 0      INSERTED BY TRANSLATOR
2035 000833      1      IF RESPONSE-CODE = 0
2036 000834      2      MOVE 'Customer record added.' TO MSG10
2037 000835      2      SET SEND-ERASE TO TRUE
2038 000836      1      ELSE
2039 000837      * DFHRESP(DUPREC) = 14      INSERTED BY TRANSLATOR
2040 000838      2      IF RESPONSE-CODE = 14
2041 000839      3      MOVE 'Another user has added a record with that c
2042 000840      3      - 'ustomer number.' TO MSG10
2043 000841      3      SET SEND-ERASE-ALARM TO TRUE
2044 000842      2      END-IF
2045 000843      1      END-IF
2046 000844      1      MOVE -1 TO CUSTN01L
2047 000845      1      PERFORM 1500-SEND-KEY-MAP
2048 000846      1      SET PROCESS-KEY-MAP TO TRUE
2049 000847      ELSE
2050 000848      1      MOVE LOW-VALUE TO LNAMEO
2051 000849      1      FNAMEO
2052 000850      1      ADDRO
2053 000851      1      CITYO
2054 000852      1      STATEO
2055 000853      1      ZIPCODEO
2056 000854      1      SET SEND-DATAONLY-ALARM TO TRUE

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2057 000855      1          PERFORM 1400-SEND-DATA-MAP
2058 PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.2.0 P190107      CMMNTAAB Date 02/28/2021
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2059 LineID PL SL  ----+*A-1-B--+----2-----3-----4-----5-----6-----7-|--
      +----8 Map and Cross Reference
2060 000856          END-IF.
2061 000857          *
2062 000858          2100-RECEIVE-DATA-MAP.
2063 000859          *
2064 000860          *EXEC CICS
2065 000861          *    RECEIVE MAP('MNT2AAB')
2066 000862          *    MAPSET('MNTSAAB')
2067 000863          *    INTO(MNT2AABI)
2068 000864          *END-EXEC.
2069 000865          Call 'DFHEI1' using by content x'1802d000070000000050900000
2070 000866          - '20f0f0f4f1f3404040' by content 'MNT2AAB' by reference
2071 000867          MNT2AABI by content x'0000' by content 'MNTSAAB' end-call.
2072 000868
2073 000869
2074 000870          *
2075 000871          INSPECT MNT2AABI
2076 000872          REPLACING ALL '_' BY SPACE.
2077 000873          *
2078 000874          2200-EDIT-CUSTOMER-DATA.
2079 000875          *
2080 000876          MOVE ATTR-NO-HIGHLIGHT TO ZIPCODEH
2081 000877          STATEH
2082 000878          CITYH
2083 000879          ADDRH
2084 000880          FNAMEH
2085 000881          LNAMEH.
2086 000882
2087 000883          IF      ZIPCODEI = SPACE
2088 000884          OR ZIPCODEL = ZERO
2089 000885      1      MOVE ATTR-REVERSE TO ZIPCODEH
2090 000886      1      MOVE -1 TO ZIPCODEL
2091 000887      1      MOVE 'You must enter a zip code.' TO MSG20
2092 000888      1      MOVE 'N' TO VALID-DATA-SW
2093 000889          END-IF.
2094 000890
2095 000891          IF      STATEI = SPACE
2096 000892          OR STATEL = ZERO
2097 000893      1      MOVE ATTR-REVERSE TO STATEH
2098 000894      1      MOVE -1 TO STATEL
2099 000895      1      MOVE 'You must enter a state.' TO MSG20
2100 000896      1      MOVE 'N' TO VALID-DATA-SW
2101 000897          END-IF.
2102 000898
2103 000899          IF      CITYI = SPACE
2104 000900          OR CITYL = ZERO
2105 000901      1      MOVE ATTR-REVERSE TO CITYH
2106 000902      1      MOVE -1 TO CITYL
2107 000903      1      MOVE 'You must enter a city.' TO MSG20
2108 000904      1      MOVE 'N' TO VALID-DATA-SW
2109 000905          END-IF.
2110 000906
2111 000907          IF      ADDRI = SPACE

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2112 000908          OR ADDRL = ZERO
2113 000909          1      MOVE ATTR-REVERSE TO ADDRH
2114 000910          1      MOVE -1 TO ADDRL
2115 000911          1      MOVE 'You must enter an address.' TO MSG20
2116 000912          1      MOVE 'N' TO VALID-DATA-SW
2117 PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.2.0 P190107      CMMNTAAB Date 02/28/2021
      Time 16:13:13 Page 19
2118 LineID PL SL -----*A-1-B-----2-----3-----4-----5-----6-----7-|--
      +-----8 Map and Cross Reference
2119 000913          END-IF.
2120 000914
2121 000915          IF      FNAMEI = SPACE
2122 000916          OR FNAMEI = ZERO
2123 000917          1      MOVE ATTR-REVERSE TO FNAMEH
2124 000918          1      MOVE -1 TO FNAMEI
2125 000919          1      MOVE 'You must enter a first name.' TO MSG20
2126 000920          1      MOVE 'N' TO VALID-DATA-SW
2127 000921          END-IF.
2128 000922
2129 000923          IF      LNAMEI = SPACE
2130 000924          OR LNAMEI = ZERO
2131 000925          1      MOVE ATTR-REVERSE TO LNAMEH
2132 000926          1      MOVE -1 TO LNAMEI
2133 000927          1      MOVE 'You must enter a last name.' TO MSG20
2134 000928          1      MOVE 'N' TO VALID-DATA-SW
2135 000929          END-IF.
2136 000930          *
2137 000931          2300-WRITE-CUSTOMER-RECORD.
2138 000932          *
2139 000933          MOVE CUSTNO2I TO CM-CUSTOMER-NUMBER.
2140 000934          MOVE LNAMEI TO CM-LAST-NAME.
2141 000935          MOVE FNAMEI TO CM-FIRST-NAME.
2142 000936          MOVE ADDRI TO CM-ADDRESS.
2143 000937          MOVE CITYI TO CM-CITY.
2144 000938          MOVE STATEI TO CM-STATE.
2145 000939          MOVE ZIPCODEI TO CM-ZIP-CODE.
2146 000940          *
2147 000941          *EXEC CICS
2148 000942          *    INQUIRE FILE('CMFAAB')
2149 000943          *    OPENSTATUS(CMF-OPEN-STATUS)
2150 000944          *    ENABLESTATUS(CMF-ENABLE-STATUS)
2151 000945          *END-EXEC.
2152 000946          Call 'DFHEI1' using by content x'4c0280060780060000000000f0
2153 000947          - 'f0f4f8f9404040' by content 'CMFAAB ' by content x'0000' by
2154 000948          content x'0000' by content x'0000' by content x'0000' by
2155 000949          content x'0000' by content x'0000' by content x'0000' by
2156 000950          content x'0000' by content x'0000' by content x'0000' by
2157 000951          content x'0000' by content x'0000' by reference
2158 000952          CMF-OPEN-STATUS by reference CMF-ENABLE-STATUS end-call.
2159 000953
2160 000954
2161 000955          * DFHVALUE(CLOSED) = 19      INSERTED BY TRANSLATOR
2162 000956          IF CMF-OPEN-STATUS = 19
2163 000957          *EXEC CICS
2164 000958          *    SET FILE('CMFAAB') OPEN
2165 000959          *END-EXEC
2166 000960          1      Call 'DFHEI1' using by content x'4c0480000780000000000080

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2167 000961      1      -      '00f0f0f4f9f6404040' by content 'CMFAAB ' end-call
2168 000962
2169 000963      1      MOVE 'Y' TO CMF-OPEN
2170 000964      END-IF.
2171 000965
2172 000966      *EXEC CICS
2173 000967      *      WRITE FILE('CMFAAB')
2174 000968      *      FROM(CUSTOMER-MASTER-RECORD)
2175 000969      *      RIDFLD(CM-CUSTOMER-NUMBER)
2176 PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.2.0 P190107      CMMNTAAB Date 02/28/2021
      Time 16:13:13      Page      20
2177 LineID PL SL      +---+*A-1-B-+---+2---+---+3---+---+4---+---+5---+---+6---+---+7-|--
      +---+8 Map and Cross Reference
2178 000970      *      RESP(RESPONSE-CODE)
2179 000971      *END-EXEC.
2180 000972      Move length of CUSTOMER-MASTER-RECORD to dfhb0020
2181 000973      Call 'DFHEI1' using by content x'0604f0002728004400f0f0f5f0f2
2182 000974      -      '404040' by content 'CMFAAB ' by reference
2183 000975      CUSTOMER-MASTER-RECORD by reference dfhb0020 by reference
2184 000976      CM-CUSTOMER-NUMBER end-call
2185 000977      Move eibresp to RESPONSE-CODE.
2186 000978      *
2187 000979      * DFHRESP(NORMAL) = 0      INSERTED BY TRANSLATOR
2188 000980      IF      RESPONSE-CODE NOT = 0
2189 000981      * DFHRESP(DUPREC) = 14      INSERTED BY TRANSLATOR
2190 000982      AND RESPONSE-CODE NOT = 14
2191 000983      1      PERFORM 9999-TERMINATE-PROGRAM
2192 000984      END-IF.
2193 000985      *
2194 000986      3000-PROCESS-CHANGE-CUSTOMER.
2195 000987      *
2196 000988      PERFORM 2100-RECEIVE-DATA-MAP.
2197 000989      PERFORM 2200-EDIT-CUSTOMER-DATA.
2198 000990      IF VALID-DATA
2199 000991      1      MOVE CUSTNO2I TO CM-CUSTOMER-NUMBER
2200 000992      1      PERFORM 3100-READ-CUSTOMER-FOR-UPDATE
2201 000993      * DFHRESP(NORMAL) = 0      INSERTED BY TRANSLATOR
2202 000994      1      IF RESPONSE-CODE = 0
2203 000995      2      IF CUSTOMER-MASTER-RECORD = CA-CUSTOMER-RECORD
2204 000996      3      PERFORM 3200-REWRITE-CUSTOMER-RECORD
2205 000997      3      MOVE 'Customer record updated.' TO MSG10
2206 000998      3      SET SEND-ERASE TO TRUE
2207 000999      2      ELSE
2208 001000      3      MOVE 'Another user has updated the record. Try a
2209 001001      3      -      'gain.' TO MSG10
2210 001002      3      SET SEND-ERASE-ALARM TO TRUE
2211 001003      2      END-IF
2212 001004      1      ELSE
2213 001005      * DFHRESP(NOTFND) = 13      INSERTED BY TRANSLATOR
2214 001006      2      IF RESPONSE-CODE = 13
2215 001007      3      MOVE 'Another user has deleted the record.' TO
2216 001008      3      MSG10
2217 001009      3      SET SEND-ERASE-ALARM TO TRUE
2218 001010      2      END-IF
2219 001011      1      END-IF
2220 001012      1      MOVE -1 TO CUSTNO1L
2221 001013      1      PERFORM 1500-SEND-KEY-MAP

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2222 001014      1          SET PROCESS-KEY-MAP TO TRUE
2223 001015          ELSE
2224 001016      1          MOVE LOW-VALUE TO LNAMEO
2225 001017      1          FNAMEO
2226 001018      1          ADDRO
2227 001019      1          CITYO
2228 001020      1          STATEO
2229 001021      1          ZIPCODEO
2230 001022      1          SET SEND-DATAONLY-ALARM TO TRUE
2231 001023      1          PERFORM 1400-SEND-DATA-MAP
2232 001024          END-IF.
2233 001025          *
2234 001026          3100-READ-CUSTOMER-FOR-UPDATE.
2235 PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.2.0 P190107      CMMNTAAB Date 02/28/2021
      Time 16:13:13      Page 21
2236 LineID PL SL  ----+*A-1-B-+----2-+----3-+----4-+----5-+----6-+----7-|--
      +----8 Map and Cross Reference
2237 001027          *
2238 001028          *EXEC CICS
2239 001029          *    INQUIRE FILE('CMFAAB')
2240 001030          *    OPENSTATUS(CMF-OPEN-STATUS)
2241 001031          *    ENABLESTATUS(CMF-ENABLE-STATUS)
2242 001032          *END-EXEC.
2243 001033          Call 'DFHEI1' using by content x'4c0280060780060000000000f0
2244 001034          - 'f0f5f5f4404040' by content 'CMFAAB ' by content x'0000' by
2245 001035          content x'0000' by content x'0000' by content x'0000' by
2246 001036          content x'0000' by content x'0000' by content x'0000' by
2247 001037          content x'0000' by content x'0000' by content x'0000' by
2248 001038          content x'0000' by content x'0000' by reference
2249 001039          CMF-OPEN-STATUS by reference CMF-ENABLE-STATUS end-call.
2250 001040
2251 001041
2252 001042          * DFHVALUE(CLOSED) = 19      INSERTED BY TRANSLATOR
2253 001043          IF CMF-OPEN-STATUS = 19
2254 001044          *EXEC CICS
2255 001045          *    SET FILE('CMFAAB') OPEN
2256 001046          *END-EXEC
2257 001047      1          Call 'DFHEI1' using by content x'4c0480000780000000000080
2258 001048      1          - '00f0f0f5f6f1404040' by content 'CMFAAB ' end-call
2259 001049
2260 001050      1          MOVE 'Y' TO CMF-OPEN
2261 001051          END-IF.
2262 001052
2263 001053          *EXEC CICS
2264 001054          *    READ FILE('CMFAAB')
2265 001055          *    INTO(CUSTOMER-MASTER-RECORD)
2266 001056          *    RIDFLD(CM-CUSTOMER-NUMBER)
2267 001057          *    UPDATE
2268 001058          *    RESP(RESPONSE-CODE)
2269 001059          *END-EXEC.
2270 001060          Move length of CUSTOMER-MASTER-RECORD to dfhb0020
2271 001061          Call 'DFHEI1' using by content x'0602f0002700008400f0f0f5f6f7
2272 001062          - '404040' by content 'CMFAAB ' by reference
2273 001063          CUSTOMER-MASTER-RECORD by reference dfhb0020 by reference
2274 001064          CM-CUSTOMER-NUMBER end-call
2275 001065          Move eibresp to RESPONSE-CODE.
2276 001066

```

```

2277 001067      *
2278 001068      * DFHRESP(NORMAL) = 0                      INSERTED BY TRANSLATOR
2279 001069          IF      RESPONSE-CODE NOT = 0
2280 001070      * DFHRESP(NOTFND) = 13                      INSERTED BY TRANSLATOR
2281 001071          AND RESPONSE-CODE NOT = 13
2282 001072      1          PERFORM 9999-TERMINATE-PROGRAM
2283 001073          END-IF.
2284 001074      *
2285 001075          3200-REWRITE-CUSTOMER-RECORD.
2286 001076      *
2287 001077          MOVE LNAMEI    TO CM-LAST-NAME.
2288 001078          MOVE FNAMEI    TO CM-FIRST-NAME.
2289 001079          MOVE ADDR1    TO CM-ADDRESS.
2290 001080          MOVE CITYI    TO CM-CITY.
2291 001081          MOVE STATEI    TO CM-STATE.
2292 001082          MOVE ZIPCODEI TO CM-ZIP-CODE.
2293 001083      *
2294 PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.2.0 P190107      CMMNTAAB Date 02/28/2021
      Time 16:13:13      Page 22
2295 LineID PL SL  ----*A-1-B---+----2-----3-----4-----5-----6-----7-|--
      +----8 Map and Cross Reference
2296 001084      *EXEC CICS
2297 001085      *   INQUIRE FILE('CMFAAB')
2298 001086      *       OPENSTATUS(CMF-OPEN-STATUS)
2299 001087      *       ENABLESTATUS(CMF-ENABLE-STATUS)
2300 001088      *END-EXEC.
2301 001089          Call 'DFHEI1' using by content x'4c028006078006000000000000f0
2302 001090      -   'f0f5f8f9404040' by content 'CMFAAB ' by content x'0000' by
2303 001091          content x'0000' by content x'0000' by content x'0000' by
2304 001092          content x'0000' by content x'0000' by content x'0000' by
2305 001093          content x'0000' by content x'0000' by content x'0000' by
2306 001094          content x'0000' by content x'0000' by reference
2307 001095          CMF-OPEN-STATUS by reference CMF-ENABLE-STATUS end-call.
2308 001096
2309 001097
2310 001098      * DFHVALUE(CLOSED) = 19                      INSERTED BY TRANSLATOR
2311 001099          IF CMF-OPEN-STATUS = 19
2312 001100      *EXEC CICS
2313 001101      *   SET FILE('CMFAAB') OPEN
2314 001102      *END-EXEC
2315 001103      1          Call 'DFHEI1' using by content x'4c04800007800000000000080
2316 001104      1      -   '00f0f0f5f9f6404040' by content 'CMFAAB ' end-call
2317 001105
2318 001106      1          MOVE 'Y' TO CMF-OPEN
2319 001107          END-IF.
2320 001108
2321 001109      *EXEC CICS
2322 001110      *   REWRITE FILE('CMFAAB')
2323 001111          FROM(CUSTOMER-MASTER-RECORD)
2324 001112          RESP(RESPONSE-CODE)
2325 001113      *END-EXEC.
2326 001114          Move length of CUSTOMER-MASTER-RECORD to dfhb0020
2327 001115          Call 'DFHEI1' using by content x'0606e0002700004000f0f0f6f0f2
2328 001116      -   '404040' by content 'CMFAAB ' by reference
2329 001117          CUSTOMER-MASTER-RECORD by reference dfhb0020 end-call
2330 001118          Move eibresp to RESPONSE-CODE.
2331 001119      *

```

```

2332 001120      * DFHRESP(NORMAL) = 0                      INSERTED BY TRANSLATOR
2333 001121      IF RESPONSE-CODE NOT = 0
2334 001122      1      PERFORM 9999-TERMINATE-PROGRAM
2335 001123      END-IF.
2336 001124      *
2337 001125      4000-PROCESS-DELETE-CUSTOMER.
2338 001126      *
2339 001127      MOVE CA-CUSTOMER-NUMBER TO CM-CUSTOMER-NUMBER.
2340 001128      PERFORM 3100-READ-CUSTOMER-FOR-UPDATE.
2341 001129      * DFHRESP(NORMAL) = 0                      INSERTED BY TRANSLATOR
2342 001130      IF RESPONSE-CODE = 0
2343 001131      1      IF CUSTOMER-MASTER-RECORD = CA-CUSTOMER-RECORD
2344 001132      2      PERFORM 4100-DELETE-CUSTOMER-RECORD
2345 001133      2      MOVE 'Customer deleted.' TO MSG10
2346 001134      2      SET SEND-ERASE TO TRUE
2347 001135      1      ELSE
2348 001136      2      MOVE 'Another user has updated the record. Try again
2349 001137      2      -      '.' TO MSG10
2350 001138      2      SET SEND-ERASE-ALARM TO TRUE
2351 001139      1      END-IF
2352 001140      ELSE

```

2353 PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.2.0 P190107 CMMNTAAB Date 02/28/2021
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2354 LineID PL SL -----*A-1-B-----2-----3-----4-----5-----6-----7-|--
+----8 Map and Cross Reference

```

2355 001141      * DFHRESP(NOTFND) = 13                      INSERTED BY TRANSLATOR
2356 001142      1      IF RESPONSE-CODE = 13
2357 001143      2      MOVE 'Another user has deleted the record.' TO
2358 001144      2      MSG10
2359 001145      2      SET SEND-ERASE-ALARM TO TRUE
2360 001146      1      END-IF
2361 001147      END-IF.
2362 001148      MOVE -1 TO CUSTN01L.
2363 001149      PERFORM 1500-SEND-KEY-MAP.
2364 001150      SET PROCESS-KEY-MAP TO TRUE.
2365 001151      *
2366 001152      4100-DELETE-CUSTOMER-RECORD.
2367 001153      *
2368 001154      *EXEC CICS
2369 001155      *      INQUIRE FILE('CMFAAB')
2370 001156      *      OPENSTATUS(CMF-OPEN-STATUS)
2371 001157      *      ENABLESTATUS(CMF-ENABLE-STATUS)
2372 001158      *END-EXEC.
2373 001159      Call 'DFHEI1' using by content x'4c028006078006000000000000f0
2374 001160      -      'f0f6f3f9404040' by content 'CMFAAB ' by content x'0000' by
2375 001161      content x'0000' by content x'0000' by content x'0000' by
2376 001162      content x'0000' by content x'0000' by content x'0000' by
2377 001163      content x'0000' by content x'0000' by content x'0000' by
2378 001164      content x'0000' by content x'0000' by reference
2379 001165      CMF-OPEN-STATUS by reference CMF-ENABLE-STATUS end-call.
2380 001166
2381 001167
2382 001168      * DFHVALUE(CLOSED) = 19                      INSERTED BY TRANSLATOR
2383 001169      IF CMF-OPEN-STATUS = 19
2384 001170      *EXEC CICS
2385 001171      *      SET FILE('CMFAAB') OPEN
2386 001172      *END-EXEC

```

```

2387 001173      1          Call 'DFHEI1' using by content x'4c04800078000000000080
2388 001174      1      -   '00f0f0f6f4f6404040' by content 'CMFAAB ' end-call
2389 001175
2390 001176      1          MOVE 'Y' TO CMF-OPEN
2391 001177          END-IF.
2392 001178
2393 001179          *EXEC CICS
2394 001180          *   DELETE FILE('CMFAAB')
2395 001181          *   RESP(RESPONSE-CODE)
2396 001182          *END-EXEC.
2397 001183          Call 'DFHEI1' using by content x'060880002700000100f0f0f6f5f2
2398 001184      -   '404040' by content 'CMFAAB ' end-call
2399 001185          Move eibresp to RESPONSE-CODE.
2400 001186
2401 001187          *
2402 001188          * DFHRESP(NORMAL) = 0                      INSERTED BY TRANSLATOR
2403 001189          IF RESPONSE-CODE NOT = 0
2404 001190      1          PERFORM 9999-TERMINATE-PROGRAM
2405 001191          END-IF.
2406 001192          *
2407 001193          9999-TERMINATE-PROGRAM.
2408 001194          *
2409 001195          MOVE EIBRESP TO ERR-RESP.
2410 001196          MOVE EIBRESP2 TO ERR-RESP2.
2411 001197          MOVE EIBTRNID TO ERR-TRNID.

```

2412PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.2.0 P190107 CMMNTAAB Date 02/28/2021
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2413 LineID PL SL -----*A-1-B-+-----2-----3-----4-----5-----6-----7-|--
+-----8 Map and Cross Reference

```

2414 001198          MOVE EIBRSRCE TO ERR-RSRCE.
2415 001199          *
2416 001200          *EXEC CICS
2417 001201          *   XCTL PROGRAM('SYSERR')
2418 001202          *   COMMAREA(ERROR-PARAMETERS)
2419 001203          *END-EXEC.
2420 001204          Move length of ERROR-PARAMETERS to dfhb0020
2421 001205          Call 'DFHEI1' using by content x'0e04e000700000200f0f0f6f6f8
2422 001206      -   '404040' by content 'SYSERR ' by reference ERROR-PARAMETERS
2423 001207          by reference dfhb0020 end-call.
2424 001208

```

2425PP 5655-EC6 IBM Enterprise COBOL for z/OS 6.2.0 P190107 CMMNTAAB Date 02/28/2021
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2426LineID Message code Message text

2427

2428 IGYDS0139-W Diagnostic messages were issued during processing of compiler options.
These messages are located at the

2429 beginning of the listing.

2430Messages	Total	Informational	Warning	Error	Severe	Terminating
--------------	-------	---------------	---------	-------	--------	-------------

2431Printed:	3	1	2			
--------------	---	---	---	--	--	--

2432* Statistics for COBOL program CMMNTAAB:

2433* Source records = 1208

2434* Data Division statements = 278

2435* Procedure Division statements = 283

2436* Generated COBOL statements = 0

2437* Program complexity factor = 288

2438End of compilation 1, program CMMNTAAB, highest severity 4.

2439Return code 4

2440 DATA SET UTILITY - GENERATE

PAGE 0001

2441

2442 PROCESSING ENDED AT EOD

2443 z/OS V2 R3 BINDER 16:13:15 SUNDAY FEBRUARY 28, 2021

2444 BATCH EMULATOR JOB(CMMNTAAB) STEP(COMPLI) PGM= IEWL PROCEDURE(LKED)

2445 IEW2278I B352 INVOCATION PARAMETERS - LIST,XREF,MAP

2446 IEW2322I 1220 1 INCLUDE SYSLIB(DFHECI)

2447

2448 *** M O D U L E M A P ***

2449

2450 -----

2451 CLASS C_CODE LENGTH = 2FC0 ATTRIBUTES = CAT, LOAD, RMODE=ANY

2452 OFFSET = 0 IN SEGMENT 001 ALIGN = DBLWORD

2453 -----

2454

2455 SECTION CLASS ----- SOURCE -----

2456 OFFSET OFFSET NAME TYPE LENGTH DDNAME SEQ MEMBER

2457

2458 0 CMMNTAAB CSECT 2FC0 SYSLIN 02 **NULL**

2459 0 CMMNTAAB#C LABEL

2460 0 CMMNTAAB LABEL

2461

2462 -----

2463 CLASS B_TEXT LENGTH = C3A ATTRIBUTES = CAT, LOAD, RMODE=ANY

2464 OFFSET = 2FC0 IN SEGMENT 001 ALIGN = DBLWORD

2465 -----

2466

2467 SECTION CLASS ----- SOURCE -----

2468 OFFSET OFFSET NAME TYPE LENGTH DDNAME SEQ MEMBER

2469

2470 0 DFHECI CSECT 20 SYSLIB 02 DFHECI

2471 8 DFHEI1 LABEL

2472 8 DLZEI01 LABEL

2473 8 DLZEI02 LABEL

2474 8 DLZEI03 LABEL

2475 8 DLZEI04 LABEL

2476

2477 20 IGZXS61 * CSECT 10 SYSLIB 03 IGZXS61

2478

2479 30 CEESG004 * CSECT 34 SYSLIB 03 CEESG004

2480

2481 68 IGZXRT1 * CSECT 12 SYSLIB 03 IGZXRT1

2482

2483 80 IGZXVMO * CSECT 12 SYSLIB 03 IGZXVMO

2484

2485 98 IGZXCMSG * CSECT 12 SYSLIB 03 IGZXCMSG

2486

2487 B0 IGZXPRS * CSECT 12 SYSLIB 03 IGZXPRS

2488

2489 C8 IGZXBST3 * CSECT 4E0 SYSLIB 03 IGZXBST3

2490

2491 5A8 CEEBETBL * CSECT 28 SYSLIB 03 CEEBETBL

2492

2493 5D0 CEESTART * CSECT B0 SYSLIB 03 CEESTART

2494

2495 680 CEEBPUBT * CSECT 70 SYSLIB 03 CEEBPUBT

```

2496
2497          6F0 CEEBTRM      * CSECT      A4 SYSLIB      03 CEEBTRM
2498
2499          798 CEEBLLST      * CSECT      5C SYSLIB      03 CEEBLLST
2500      10      7A8      CEELLIST      LABEL
2501
2502          7F8 CEEBINT      * CSECT      8 SYSLIB      03 CEEBINT
2503
2504          800 CEEARLU      * CSECT      B8 SYSLIB      03 CEEARLU
2505
2506          8B8 CEEBPIRA      * CSECT      2A0 SYSLIB      03 CEEINT
2507      0      8B8      CEEINT      LABEL
2508          *** M O D U L E M A P ***
2509
2510 SECTION      CLASS
2511      OFFSET      OFFSET      NAME      TYPE      LENGTH      DDNAME      SOURCE      SEQ      MEMBER
2512
2513      0      8B8      CEEBPIRB      LABEL
2514      0      8B8      CEEBPIRC      LABEL
2515
2516          B58 CEECPYRT      * CSECT      E2 SYSLIB      03 CEEINT
2517          *** M O D U L E M A P ***
2518
2519 -----
2520 CLASS  C_@@PPA2      LENGTH =      8  ATTRIBUTES = MRG,      LOAD, RMODE=ANY
2521      OFFSET =      3C00 IN SEGMENT 001      ALIGN = DBLWORD
2522 -----
2523
2524          CLASS
2525      OFFSET      NAME      TYPE      LENGTH      SECTION
2526      0      $PRIV000010      PART      8      CMMNTAAB
2527
2528 -----
2529 CLASS  C_@@CSINIT      LENGTH =      4  ATTRIBUTES = MRG,      LOAD, RMODE=ANY
2530      OFFSET =      3C08 IN SEGMENT 001      ALIGN = DBLWORD
2531 -----
2532
2533          CLASS
2534      OFFSET      NAME      TYPE      LENGTH      SECTION
2535      0      $PRIV000011      PART      4      CMMNTAAB
2536
2537 -----
2538 CLASS  B_LIT      LENGTH =      100  ATTRIBUTES = CAT,      LOAD, RMODE=ANY
2539      OFFSET =      3C10 IN SEGMENT 001      ALIGN = DBLWORD
2540 -----
2541
2542 SECTION      CLASS
2543      OFFSET      OFFSET      NAME      TYPE      LENGTH      DDNAME      SOURCE      SEQ      MEMBER
2544
2545          0      IEWBLIT      CSECT      100      **NULL**
2546      0      0      IEWBLIT      LABEL
2547
2548 -----
2549 CLASS  C_WSA      LENGTH =      D0  ATTRIBUTES = MRG, DEFER , RMODE=ANY
2550      OFFSET =      0 IN SEGMENT 002      ALIGN = DBLWORD
2551 -----
2552

```

```

2553          CLASS
2554      OFFSET NAME          TYPE      LENGTH  SECTION
2555          0  $PRIV000012    PART          10
2556          10 CMMNTAAB#S    PART          C0  CMMNTAAB
2557
2558 -----
2559 CLASS  C_CEESG003          LENGTH =          0  ATTRIBUTES = CAT, NOLOAD
2560
2561 -----
2562
2563 SECTION      CLASS
2564  OFFSET  OFFSET  NAME          TYPE      LENGTH  DDNAME  SEQ  MEMBER
2565
2566          0  CMMNTAAB          CSECT          0  SYSLIN    02  **NULL**
2567      ***  DATA SET SUMMARY  ***
2568
2569 DDNAME  CONCAT  FILE IDENTIFICATION
2570
2571 SYSLIB    02      DFH540.CICS.SDFHLOAD
2572 SYSLIB    03      CEE.SCEELKED
2573 SYSLIN    02      SYS21059.T161309.RA000.CMMNTAAB.LOADSET.H01
2574      ***  SYMBOL REFERENCES NOT ASSOCIATED WITH ANY ADCON  ***
2575
2576 TYPE  SCOPE  NAME
2577
2578
2579      ***  E N D   O F   M O D U L E   M A P  ***
2580
2581
2582          C R O S S - R E F E R E N C E   T A B L E
2583          -----
2584
2585 TEXT CLASS = C_CODE
2586
2587 -----  R E F E R E N C E  -----  T A R G E T
2588 -----
2588  CLASS          ELEMENT          |
2589  ELEMENT          |
2589  OFFSET SECT/PART(ABBREV)          OFFSET  TYPE  | SYMBOL(ABBREV)  SECTION (ABBREV)
2589  OFFSET CLASS NAME          |
2590          |
2591          24 CMMNTAAB          24 A-CON | CMMNTAAB#C          CMMNTAAB
2591          0 C_CODE          |
2592          2C CMMNTAAB          2C A-CON | CMMNTAAB#C          CMMNTAAB
2592          0 C_CODE          |
2593          30 CMMNTAAB          30 A-CON | CMMNTAAB#C          CMMNTAAB
2593          0 C_CODE          |
2594          34 CMMNTAAB          34 A-CON | CMMNTAAB#C          CMMNTAAB
2594          0 C_CODE          |
2595          38 CMMNTAAB          38 V-CON | IGZXBST3          IGZXBST3
2595          0 B_TEXT          |
2596          3C CMMNTAAB          3C A-CON | CMMNTAAB#C          CMMNTAAB
2596          0 C_CODE          |
2597          44 CMMNTAAB          44 A-CON | CMMNTAAB#C          CMMNTAAB
2597          0 C_CODE          |
2598          23EC CMMNTAAB          23EC Q-CON | CMMNTAAB#S          $NON-RELOCATABLE

```

10 C_WSA			
2599 23F0 CMMNTAAB	23F0 V-CON	DFHEI1	DFHECI
8 B_TEXT			
2600 23F4 CMMNTAAB	23F4 V-CON	IGZXPRS	IGZXPRS
0 B_TEXT			
2601 23F8 CMMNTAAB	23F8 V-CON	IGZXCMSG	IGZXCMSG
0 B_TEXT			
2602 23FC CMMNTAAB	23FC A-CON	CMMNTAAB#C	CMMNTAAB
0 C_CODE			
2603 2400 CMMNTAAB	2400 A-CON	CMMNTAAB#C	CMMNTAAB
0 C_CODE			
2604 2404 CMMNTAAB	2404 V-CON	IGZXVMO	IGZXVMO
0 B_TEXT			
2605 2408 CMMNTAAB	2408 V-CON	IGZXRT1	IGZXRT1
0 B_TEXT			
2606 252C CMMNTAAB	252C A-CON	CMMNTAAB#C	CMMNTAAB
0 C_CODE			
2607 2538 CMMNTAAB	2538 A-CON	CMMNTAAB#C	CMMNTAAB
0 C_CODE			
2608 2550 CMMNTAAB	2550 A-CON	CMMNTAAB#C	CMMNTAAB
0 C_CODE			
2609 2D30 CMMNTAAB	2D30 A-CON	CMMNTAAB#C	CMMNTAAB
0 C_CODE			
2610 2F1C CMMNTAAB	2F1C A-CON	CEESTART	CEESTART
0 B_TEXT			
2611 2F1C CMMNTAAB	2F1C A-CON	CMMNTAAB#C	CMMNTAAB
0 C_CODE			
2612 2F34 CMMNTAAB	2F34 A-CON	CMMNTAAB#C	CMMNTAAB
0 C_CODE			
2613 2F38 CMMNTAAB	2F38 V-CON	CEESTART	CEESTART
0 B_TEXT			
2614 2F3C CMMNTAAB	2F3C V-CON	CEEBETBL	CEEBETBL
0 B_TEXT			
2615 2F7C CMMNTAAB	2F7C Q-CON	CMMNTAAB#S	\$NON-RELOCATABLE
10 C_WSA			

2616

2617

2618 TEXT CLASS = B_TEXT

2619

2620 ----- R E F E R E N C E ----- T A R G E T

2621 CLASS	ELEMENT		
ELEMENT			
2622 OFFSET SECT/PART(ABBREV)	OFFSET TYPE	SYMBOL(ABBREV)	SECTION (ABBREV)
OFFSET CLASS NAME			
2623			
2624 44 CEESG004	14 A-CON	IGZEOPT	\$UNRESOLVED(W)
2625 48 CEESG004	18 A-CON	IGZETUN	\$UNRESOLVED(W)
2626 4C CEESG004	1C A-CON	IGZXRES1	\$UNRESOLVED(W)
2627 50 CEESG004	20 A-CON	IEWBLIT	IEWBLIT
0 B_LIT			
2628 518 IGZXBST3	450 V-CON	CEEINT	CEEBPIRA
0 B_TEXT			

2629	51C IGZXBST3	454 V-CON	CEEARLU	CEEARLU
	0 B_TEXT			
2630	520 IGZXBST3	458 A-CON	CEESG004	CEESG004
	0 B_TEXT			
2631	5AC CEEBETBL	4 V-CON	CEEBXITA	\$UNRESOLVED(W)
2632	5B0 CEEBETBL	8 V-CON	CEEBINT	CEEBINT
	0 B_TEXT			
2633	5B4 CEEBETBL	C V-CON	CEEBLLST	CEEBLLST
	0 B_TEXT			
2634	5B8 CEEBETBL	10 V-CON	CEEUOPT	\$UNRESOLVED(W)
2635	5BC CEEBETBL	14 V-CON	CEEBTRM	CEEBTRM
	0 B_TEXT			
2636	5C4 CEEBETBL	1C V-CON	CEEBPUBT	CEEBPUBT
	0 B_TEXT			
2637	5C8 CEEBETBL	20 V-CON	IEWBLIT	IEWBLIT
	0 B_LIT			

2638

2639

2640

2641

2642

2643 TEXT CLASS = B_TEXT

2644

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

2645 ----- R E F E R E N C E ----- T A R G E T

2646	CLASS	ELEMENT			
2647	OFFSET SECT/PART(ABBREV)	OFFSET TYPE	SYMBOL(ABBREV)	SECTION (ABBREV)	
2648	OFFSET CLASS NAME				
2649	62C CEESTART	5C A-CON	CEEMAIN	\$UNRESOLVED(W)	
2650	63C CEESTART	6C C-LEN		\$NON-RELOCATABLE	
	B_PRV				
2651	668 CEESTART	98 A-CON	CEEFMAIN	\$UNRESOLVED(W)	
2652	674 CEESTART	A4 A-CON	CEEBETBL	CEEBETBL	
	0 B_TEXT				
2653	678 CEESTART	A8 A-CON	CEER00TA	\$UNRESOLVED(W)	
2654	67C CEESTART	AC A-CON	CEER00TD	\$UNRESOLVED(W)	
2655	75C CEEBTRM	6C A-CON	CEEBPUBT	CEEBPUBT	
	0 B_TEXT				
2656	7A8 CEEBLLST	10 A-CON	CEESG000	\$UNRESOLVED(W)	
2657	7AC CEEBLLST	14 A-CON	CEESG001	\$UNRESOLVED(W)	
2658	7B0 CEEBLLST	18 A-CON	CEESG002	\$UNRESOLVED(W)	
2659	7B4 CEEBLLST	1C A-CON	CEESG003	\$UNRESOLVED(W)	
2660	7B8 CEEBLLST	20 A-CON	CEESG004	CEESG004	
	0 B_TEXT				

```

2661      7BC CEEBLLST                24 A-CON | CEESG005          $UNRESOLVED(W)
2662      7C0 CEEBLLST                28 A-CON | CEESG006          $UNRESOLVED(W)
2663      7C4 CEEBLLST                2C A-CON | CEESG007          $UNRESOLVED(W)
2664      7C8 CEEBLLST                30 A-CON | CEESG008          $UNRESOLVED(W)
2665      7CC CEEBLLST                34 A-CON | CEESG009          $UNRESOLVED(W)
2666      7D0 CEEBLLST                38 A-CON | CEESG010          $UNRESOLVED(W)
2667      7D4 CEEBLLST                3C A-CON | CEESG011          $UNRESOLVED(W)
2668      7D8 CEEBLLST                40 A-CON | CEESG012          $UNRESOLVED(W)
2669      7DC CEEBLLST                44 A-CON | CEESG013          $UNRESOLVED(W)
2670      7E0 CEEBLLST                48 A-CON | CEESG014          $UNRESOLVED(W)
2671      7E4 CEEBLLST                4C A-CON | CEESG015          $UNRESOLVED(W)
2672      7E8 CEEBLLST                50 A-CON | CEESG016          $UNRESOLVED(W)
2673      AE8 CEEBPIRA                230 A-CON | CEEBPUBT          CEEBPUBT
      0 B_TEXT
2674
2675
2676 TEXT CLASS = C_@@PPA2
2677
2678 ----- R E F E R E N C E ----- T A R G E T
-----
2679 CLASS                                ELEMENT
      ELEMENT
2680 OFFSET SECT/PART(ABBREV)            OFFSET TYPE | SYMBOL(ABBREV)  SECTION (ABBREV)
      OFFSET CLASS NAME
2681
      |
2682      4 $PRIV000010                4 A-CON | CMMNTAAB#C          CMMNTAAB
      0 C_CODE
2683
2684
2685 TEXT CLASS = C_@@CSINIT
2686
2687 ----- R E F E R E N C E ----- T A R G E T
-----
2688 CLASS                                ELEMENT
      ELEMENT
2689 OFFSET SECT/PART(ABBREV)            OFFSET TYPE | SYMBOL(ABBREV)  SECTION (ABBREV)
      OFFSET CLASS NAME
2690
      |
2691      0 $PRIV000011                0 A-CON | CMMNTAAB#C          CMMNTAAB
      0 C_CODE
2692
2693
2694 TEXT CLASS = B_LIT

```

2695

2696 ----- R E F E R E N C E ----- T A R G E T

2697	CLASS	ELEMENT			
2698	OFFSET SECT/PART(ABBREV)	OFFSET	TYPE	SYMBOL(ABBREV)	SECTION (ABBREV)
2699	OFFSET CLASS NAME				
2700	28 IEWBLIT	28 L	TOKE		

2701

2702

2703 C R O S S - R E F E R E N C E T A B L E

2704

2705

2706 TEXT CLASS = B_LIT

2707

2708 ----- R E F E R E N C E ----- T A R G E T

2709	CLASS	ELEMENT			
2710	OFFSET SECT/PART(ABBREV)	OFFSET	TYPE	SYMBOL(ABBREV)	SECTION (ABBREV)
2711	OFFSET CLASS NAME				
2712	50 IEWBLIT	50 C-LEN			\$NON-RELOCATABLE
2713	B_TEXT	54 A-CON			
2714	70 IEWBLIT	70 C-LEN			\$NON-RELOCATABLE
2715	C_CODE	74 A-CON			
2716	90 IEWBLIT	90 C-LEN			\$NON-RELOCATABLE
2717	C_WSA	B0 C-LEN			\$NON-RELOCATABLE
2718	B4 IEWBLIT	B4 A-CON			
2719	D0 IEWBLIT	D0 C-LEN			\$NON-RELOCATABLE
2720	D4 IEWBLIT	D4 A-CON			
2721	F0 IEWBLIT	F0 C-LEN			\$NON-RELOCATABLE
2722	F4 IEWBLIT	F4 A-CON			

2723

2724

2725 TEXT CLASS = C_WSA

2726

2727 ----- R E F E R E N C E ----- T A R G E T

2728	CLASS	ELEMENT			
2729	OFFSET SECT/PART(ABBREV)	OFFSET	TYPE	SYMBOL(ABBREV)	SECTION (ABBREV)

OFFSET	CLASS	NAME			
2730					
2731	24	CMMNTAAB#S	24	A-CON	CMMNTAAB#C
	0	C_CODE			
2732	28	CMMNTAAB#S	28	A-CON	CMMNTAAB#C
	0	C_CODE			
2733	2C	CMMNTAAB#S	2C	A-CON	CMMNTAAB#C
	0	C_CODE			
2734	30	CMMNTAAB#S	30	A-CON	CMMNTAAB#C
	0	C_CODE			
2735	34	CMMNTAAB#S	34	A-CON	CMMNTAAB#C
	0	C_CODE			
2736	38	CMMNTAAB#S	38	A-CON	CMMNTAAB#C
	0	C_CODE			
2737	3C	CMMNTAAB#S	3C	A-CON	CMMNTAAB#C
	0	C_CODE			
2738	40	CMMNTAAB#S	40	A-CON	CMMNTAAB#C
	0	C_CODE			
2739	44	CMMNTAAB#S	44	A-CON	CMMNTAAB#C
	0	C_CODE			
2740	48	CMMNTAAB#S	48	A-CON	CMMNTAAB#C
	0	C_CODE			
2741	4C	CMMNTAAB#S	4C	A-CON	CMMNTAAB#C
	0	C_CODE			
2742	50	CMMNTAAB#S	50	A-CON	CMMNTAAB#C
	0	C_CODE			
2743	54	CMMNTAAB#S	54	A-CON	CMMNTAAB#C
	0	C_CODE			
2744	58	CMMNTAAB#S	58	A-CON	CMMNTAAB#C
	0	C_CODE			
2745	5C	CMMNTAAB#S	5C	A-CON	CMMNTAAB#C
	0	C_CODE			
2746	60	CMMNTAAB#S	60	A-CON	CMMNTAAB#C
	0	C_CODE			
2747	6C	CMMNTAAB#S	6C	A-CON	CMMNTAAB#S
	10	C_WSA			
2748	70	CMMNTAAB#S	70	A-CON	CMMNTAAB#C
	0	C_CODE			
2749	AC	CMMNTAAB#S	AC	V-CON	CMMNTAAB
	0	C_CODE			
2750	C0	CMMNTAAB#S	C0	A-CON	CMMNTAAB#S
	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 ***

2757 PROCESSING OPTIONS:

2759	ALIASES	NO
2760	ALIGN2	NO
2761	AMODE	UNSPECIFIED
2762	CALL	YES
2763	CASE	UPPER
2764	COMPAT	UNSPECIFIED

2765	COMPRESS	AUTO
2766	DCBS	NO
2767	DYNAM	NO
2768	EXTATTR	UNSPECIFIED
2769	EXITS:	NONE
2770	FILL	NONE
2771	GID	UNSPECIFIED
2772	HOBSET	NO
2773	INFO	NO
2774	LET	04
2775	LINECT	060
2776	LIST	SUMMARY
2777	LISTPRIV	NO
2778	LONGPARM	NO
2779	MAP	YES
2780	MAXBLK	032760
2781	MODMAP	NO
2782	MSGLEVEL	00
2783	OVLY	NO
2784	PRINT	YES
2785	RES	NO
2786	REUSABILITY	UNSPECIFIED
2787	RMODE	UNSPECIFIED
2788	RMODEX	NO
2789	SIGN	NO
2790	STORENX	NOREPLACE
2791	STRIPCL	NO
2792	STRIPSEC	NO
2793	SYMTRACE	
2794	TERM	NO
2795	TRAP	ON
2796	UID	UNSPECIFIED
2797	UPCASE	NO
2798	WKSPACE	000000K,000000K
2799	XCAL	NO
2800	XREF	YES
2801	***END OF OPTIONS***	
2802		
2803		
2804		
2805		
2806	SAVE OPERATION SUMMARY:	
2807		
2808	MEMBER NAME	CMMNTAAB
2809	LOAD LIBRARY	TSOECCC.CICSTS12.STUDENT.LOADLIB
2810	PROGRAM TYPE	PROGRAM OBJECT(FORMAT 3)
2811	VOLUME SERIAL	KCTR12
2812	DISPOSITION	REPLACED
2813	TIME OF SAVE	16.13.16 FEB 28, 2021
2814		
2815		
2816	SAVE MODULE ATTRIBUTES:	
2817		
2818	AC	000
2819	AMODE	31
2820	COMPRESSION	NONE
2821	DC	NO

2822 EDITABLE YES
 2823 EXCEEDS 16MB NO
 2824 EXECUTABLE YES
 2825 LONGPARM NO
 2826 MIGRATABLE NO
 2827 OL NO
 2828 OVLY NO
 2829 PACK,PRIME NO,NO
 2830 PAGE ALIGN NO
 2831 REFR NO
 2832 RENT NO
 2833 REUS NO
 2834 RMODE ANY
 2835 SCTR NO
 2836 SIGN NO
 2837 SSI
 2838 SYM GENERATED NO
 2839 TEST NO
 2840 XPLINK NO
 2841 MODULE SIZE (HEX) 00003DE0
 2842 DASD SIZE (HEX) 0000C000

2843

2844

2845 ENTRY POINT AND ALIAS SUMMARY:

2846

2847 NAME: ENTRY TYPE AMODE C_OFFSET CLASS NAME STATUS

2848

2849 CMMNTAAB MAIN_EP 31 00000000 C_CODE

2850

2851 *** 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

2852

2853

2854

2855

2856 z/OS V2 R3 BINDER 16:13:15 SUNDAY FEBRUARY 28, 2021

2857 BATCH EMULATOR JOB(CMMNTAAB) STEP(COMPLI) PGM= IEWL PROCEDURE(LKED)

2858 IEW2008I 0F03 PROCESSING COMPLETED. RETURN CODE = 0.

2859

2860

2861

2862 -----

2863 MESSAGE SUMMARY REPORT

2864 -----

2865 TERMINAL MESSAGES (SEVERITY = 16)

2866 NONE

2867

2868 SEVERE MESSAGES (SEVERITY = 12)

2869 NONE

2870

2871 ERROR MESSAGES (SEVERITY = 08)

2872 NONE

2873

2874 WARNING MESSAGES (SEVERITY = 04)

2875 NONE

2876

2877 INFORMATIONAL MESSAGES (SEVERITY = 00)

CMMNTAAB:JOB08514.spool

2878 2008 2278 2322

2879

2880

2881 **** END OF MESSAGE SUMMARY REPORT ****

2882

2883