```
  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 S
  2
  2
  3 16.56.11 JOB00536  ---- THURSDAY,  23 MAR 2023 ----
  4 16.56.11 JOB00536  IRR010I  USERID KC03FEC  IS ASSIGNED TO THIS JOB.
  5 16.56.11 JOB00536  IEF677I WARNING MESSAGE(S) FOR JOB CTLLEFEC ISSUED
  6 16.56.13 JOB00536  ICH70001I KC03FEC  LAST ACCESS AT 16:55:22 ON THURSDAY, MARCH 23, 2023
  7 16.56.13 JOB00536  $HASP373 CTLLEFEC STARTED - INIT 1    - CLASS A       - SYS 2964
  8 16.56.16 JOB00536  -                                    -----TIMINGS (MINS.)------
    -----PAGING COUNTS----
  9 16.56.16 JOB00536  -STEPNAME PROCSTEP    RC   EXCP   CONN      TCB      SRB  CLOCK
    SERV  WORKLOAD  PAGE   SWAP   VIO SWAPS
 10 16.56.16 JOB00536  -COBOL    COBOL      00    658    326      .00      .00     .0
    82  BATCH        0     0      0     0
 11 16.56.17 JOB00536  -COBOL    LKED       00    215     37      .00      .00     .0
    47  BATCH        0     0      0     0
 12 16.56.17 JOB00536  -CTLLEFEC ENDED.  NAME-                        TOTAL TCB CPU TIME=      .00
    TOTAL ELAPSED TIME=    .0
 13 16.56.17 JOB00536  $HASP395 CTLLEFEC ENDED - RC=0000
 14 ------ JES2 JOB STATISTICS ------
 15   23 MAR 2023 JOB EXECUTION DATE
 16            13 CARDS READ
 17           653 SYSOUT PRINT RECORDS
 18             0 SYSOUT PUNCH RECORDS
 19            41 SYSOUT SPOOL KBYTES
 20          0.09 MINUTES EXECUTION TIME
 21        1 //CTLLEFEC      JOB                                        JOB00536
 22          /* COMPILE/LKED VSAM DATA LOAD PROGRAM
 23        2 //COBOL            EXEC PROC=IGYWCL,REGION=50M,
 24          //    PARM.COBOL='TEST,RENT,APOST,OBJECT,NODYNAM,LIB,SIZE(2097152)'
 25        3 XXIGYWCL PROC  LNGPRFX='IGY630',                          00001000
 26          XX             LIBPRFX='CEE',                             00002000
 27          XX             PGMLIB='&&GOSET',GOPGM=GO                  00003000
 28          XX*                                                       00004000
 29          XX*********************************************************************** 00005000
 30          XX*                                                     * 00006000
 31          XX*   IBM Enterprise COBOL for z/OS                     * 00007000
 32          XX*            Version 6 Release 3 Modification 0        * 00008000
 33          XX*                                                     * 00009000
 34          XX*   LICENSED MATERIALS - PROPERTY OF IBM.             * 00010000
 35          XX*                                                     * 00011000
 36          XX*   5655-EC6 COPYRIGHT IBM CORP. 1983, 2019           * 00012000
 37          XX*                                                     * 00013000
 38          XX*   US GOVERNMENT USERS RESTRICTED RIGHTS - USE,      * 00014000
 39          XX*   DUPLICATION OR DISCLOSURE RESTRICTED BY GSA       * 00015000
 40          XX*   ADP SCHEDULE CONTRACT WITH IBM CORP.              * 00016000
 41          XX*                                                     * 00017000
 42          XX*********************************************************************** 00018000
 43          XX*                                                       00019000
 44          XX*   COMPILE AND LINK EDIT A COBOL PROGRAM               00020000
 45          XX*                                                       00021000
 46          XX*   PARAMETER  DEFAULT VALUE    USAGE                   00022000
 47          XX*    LNGPRFX   IGY.V6R3M0       PREFIX FOR LANGUAGE DATA SET NAMES 00023000
 48          XX*    LIBPRFX   CEE              PREFIX FOR LIBRARY DATA SET NAMES 00024000
 49          XX*    PGMLIB    &&GOSET          DATA SET NAME FOR LOAD MODULE 00025000
 50          XX*    GOPGM     GO               MEMBER NAME FOR LOAD MODULE 00026000
 51          XX*                                                       00027000
```

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52            XX*  CALLER MUST SUPPLY //COBOL.SYSIN DD ...                    00028000
53            XX*                                                             00029000
54            XX*  CALLER MUST ALSO SUPPLY //COBOL.SYSLIB DD ... for COPY statements  00030000
55            XX*                                                             00031000
56            XX*  NOTE:  SYSUT* datasets must be single-volume datasets      00032000
57            XX*                                                             00033000
58       4 XXCOBOL   EXEC PGM=IGYCRCTL,REGION=0M                              00034000
59       5 //COBOL.STEPLIB DD DSN=IGY420.SIGYCOMP,
60            //    DISP=SHR
61            X/STEPLIB  DD  DSNAME=&LNGPRFX..SIGYCOMP,DISP=SHR               00035000
62            IEFC653I SUBSTITUTION JCL - DSNAME=IGY630.SIGYCOMP,DISP=SHR
63       6 XX          DD  DSNAME=&LIBPRFX..SCEERUN,DISP=SHR                  00036000
64            IEFC653I SUBSTITUTION JCL - DSNAME=CEE.SCEERUN,DISP=SHR
65       7 XX          DD  DSNAME=&LIBPRFX..SCEERUN2,DISP=SHR                 00037000
66            IEFC653I SUBSTITUTION JCL - DSNAME=CEE.SCEERUN2,DISP=SHR
67       8 XXSYSPRINT DD  SYSOUT=*                                           00038000
68       9 XXSYSLIN   DD  DSNAME=&&LOADSET,UNIT=SYSALLDA,                    00039000
69         XX             DISP=(MOD,PASS),SPACE=(CYL,(1,1)),VOL=(,,,1)        00040000
70      10 XXSYSUT1   DD  UNIT=SYSALLDA,SPACE=(CYL,(1,1)),VOL=(,,,1)          00041000
71      11 XXSYSUT2   DD  UNIT=SYSALLDA,SPACE=(CYL,(1,1)),VOL=(,,,1)          00042000
72      12 XXSYSUT3   DD  UNIT=SYSALLDA,SPACE=(CYL,(1,1)),VOL=(,,,1)          00043000
73      13 XXSYSUT4   DD  UNIT=SYSALLDA,SPACE=(CYL,(1,1)),VOL=(,,,1)          00044000
74      14 XXSYSUT5   DD  UNIT=SYSALLDA,SPACE=(CYL,(1,1)),VOL=(,,,1)          00045000
75      15 XXSYSUT6   DD  UNIT=SYSALLDA,SPACE=(CYL,(1,1)),VOL=(,,,1)          00046000
76      16 XXSYSUT7   DD  UNIT=SYSALLDA,SPACE=(CYL,(1,1)),VOL=(,,,1)          00047000
77      17 XXSYSUT8   DD  UNIT=SYSALLDA,SPACE=(CYL,(1,1)),VOL=(,,,1)          00048000
78      18 XXSYSUT9   DD  UNIT=SYSALLDA,SPACE=(CYL,(1,1)),VOL=(,,,1)          00049000
79      19 XXSYSUT10  DD  UNIT=SYSALLDA,SPACE=(CYL,(1,1)),VOL=(,,,1)          00050000
80      20 XXSYSUT11  DD  UNIT=SYSALLDA,SPACE=(CYL,(1,1)),VOL=(,,,1)          00051000
81      21 XXSYSUT12  DD  UNIT=SYSALLDA,SPACE=(CYL,(1,1)),VOL=(,,,1)          00052000
82      22 XXSYSUT13  DD  UNIT=SYSALLDA,SPACE=(CYL,(1,1)),VOL=(,,,1)          00053000
83      23 XXSYSUT14  DD  UNIT=SYSALLDA,SPACE=(CYL,(1,1)),VOL=(,,,1)          00054000
84      24 XXSYSUT15  DD  UNIT=SYSALLDA,SPACE=(CYL,(1,1)),VOL=(,,,1)          00055000
85      25 XXSYSMDECK DD  UNIT=SYSALLDA,SPACE=(CYL,(1,1)),VOL=(,,,1)          00056000
86      26 //COBOL.SYSIN DD DSN=KC03FEC.A4.COBOL(CTLLOFEC),DISP=SHR
87      27 XXLKED    EXEC PGM=IEWBLINK,COND=(8,LT,COBOL),REGION=0M           00057000
88      28 XXSYSLIB   DD  DSNAME=&LIBPRFX..SCEELKEX,DISP=SHR                 00058000
89            IEFC653I SUBSTITUTION JCL - DSNAME=CEE.SCEELKEX,DISP=SHR
90      29 XX          DD  DSNAME=&LIBPRFX..SCEELKED,DISP=SHR                00059000
91            IEFC653I SUBSTITUTION JCL - DSNAME=CEE.SCEELKED,DISP=SHR
92      30 XXSYSPRINT DD  SYSOUT=*                                           00060000
93      31 XXSYSLIN   DD  DSNAME=&&LOADSET,DISP=(OLD,DELETE)                 00061000
94      32 XX          DD  DDNAME=SYSIN                                      00062000
95      33 //LKED.SYSLMOD DD DSN=KC03FEC.COBOL.LOADLIB(CTLLOFEC),
96            //    DISP=OLD
97            X/SYSLMOD  DD  DSNAME=&PGMLIB(&GOPGM),                         00063000
98            X/             SPACE=(CYL,(1,1,1)),                           00064000
99            X/             UNIT=SYSALLDA,DISP=(MOD,PASS),DSNTYPE=LIBRARY   00065000
100           // DECLARE DATASET THAT CONTAINS SOURCE CODE
101           //
102           // DECLARE PDS MEMBER TO STORE LOAD MODULE
103           /*
104           IEFC653I SUBSTITUTION JCL - DSNAME=&&GOSET(GO),SPACE=(CYL,
   (1,1,1)),UNIT=SYSALLDA,DISP=(MOD,PASS),
105           DSNTYPE=LIBRARY
106 STMT NO. MESSAGE
107        2 IEFC001I PROCEDURE IGYWCL WAS EXPANDED USING SYSTEM LIBRARY SVTSC.PROCLIB
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108        33 IEF686I DDNAME REFERRED TO ON DDNAME KEYWORD IN PRIOR STEP WAS NOT RESOLVED
109 ICH70001I KC03FEC  LAST ACCESS AT 16:55:22 ON THURSDAY, MARCH 23, 2023
110 IEFA111I CTLLEFEC IS USING THE FOLLOWING JOB RELATED SETTINGS:
111         SWA=ABOVE,TIOT SIZE=32K,DSENQSHR=DISALLOW,GDGBIAS=JOB
112 IEF236I ALLOC. FOR CTLLEFEC COBOL COBOL
113 IEF237I 185A ALLOCATED TO STEPLIB
114 IEF237I 1001 ALLOCATED TO
115 IEF237I 1001 ALLOCATED TO
116 IEF237I JES2 ALLOCATED TO SYSPRINT
117 IGD101I SMS ALLOCATED TO DDNAME (SYSLIN  )
118         DSN (SYS23082.T165611.RA000.CTLLEFEC.LOADSET.H01 )
119         STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
120         VOL SER NOS= TEMP00
121 IGD101I SMS ALLOCATED TO DDNAME (SYSUT1  )
122         DSN (SYS23082.T165611.RA000.CTLLEFEC.R0181384    )
123         STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
124         VOL SER NOS= TEMP00
125 IGD101I SMS ALLOCATED TO DDNAME (SYSUT2  )
126         DSN (SYS23082.T165611.RA000.CTLLEFEC.R0181385    )
127         STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
128         VOL SER NOS= TEMP00
129 IGD101I SMS ALLOCATED TO DDNAME (SYSUT3  )
130         DSN (SYS23082.T165611.RA000.CTLLEFEC.R0181386    )
131         STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
132         VOL SER NOS= TEMP00
133 IGD101I SMS ALLOCATED TO DDNAME (SYSUT4  )
134         DSN (SYS23082.T165611.RA000.CTLLEFEC.R0181387    )
135         STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
136         VOL SER NOS= TEMP00
137 IGD101I SMS ALLOCATED TO DDNAME (SYSUT5  )
138         DSN (SYS23082.T165611.RA000.CTLLEFEC.R0181388    )
139         STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
140         VOL SER NOS= TEMP00
141 IGD101I SMS ALLOCATED TO DDNAME (SYSUT6  )
142         DSN (SYS23082.T165611.RA000.CTLLEFEC.R0181389    )
143         STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
144         VOL SER NOS= TEMP00
145 IGD101I SMS ALLOCATED TO DDNAME (SYSUT7  )
146         DSN (SYS23082.T165611.RA000.CTLLEFEC.R0181390    )
147         STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
148         VOL SER NOS= TEMP00
149 IGD101I SMS ALLOCATED TO DDNAME (SYSUT8  )
150         DSN (SYS23082.T165611.RA000.CTLLEFEC.R0181391    )
151         STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
152         VOL SER NOS= TEMP00
153 IGD101I SMS ALLOCATED TO DDNAME (SYSUT9  )
154         DSN (SYS23082.T165611.RA000.CTLLEFEC.R0181392    )
155         STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
156         VOL SER NOS= TEMP00
157 IGD101I SMS ALLOCATED TO DDNAME (SYSUT10 )
158         DSN (SYS23082.T165611.RA000.CTLLEFEC.R0181393    )
159         STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
160         VOL SER NOS= TEMP00
161 IGD101I SMS ALLOCATED TO DDNAME (SYSUT11 )
162         DSN (SYS23082.T165611.RA000.CTLLEFEC.R0181394    )
163         STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
164         VOL SER NOS= TEMP00
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165 IGD101I SMS ALLOCATED TO DDNAME (SYSUT12 )
166         DSN (SYS23082.T165611.RA000.CTLLEFEC.R0181395    )
167         STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
168         VOL SER NOS= TEMP00
169 IGD101I SMS ALLOCATED TO DDNAME (SYSUT13 )
170         DSN (SYS23082.T165611.RA000.CTLLEFEC.R0181396    )
171         STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
172         VOL SER NOS= TEMP00
173 IGD101I SMS ALLOCATED TO DDNAME (SYSUT14 )
174         DSN (SYS23082.T165611.RA000.CTLLEFEC.R0181397    )
175         STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
176         VOL SER NOS= TEMP00
177 IGD101I SMS ALLOCATED TO DDNAME (SYSUT15 )
178         DSN (SYS23082.T165611.RA000.CTLLEFEC.R0181398    )
179         STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
180         VOL SER NOS= TEMP00
181 IGD101I SMS ALLOCATED TO DDNAME (SYSMDECK)
182         DSN (SYS23082.T165611.RA000.CTLLEFEC.R0181399    )
183         STORCLAS (TEMPSC) MGMTCLAS (        ) DATACLAS (        )
184         VOL SER NOS= TEMP00
185 IGD103I SMS ALLOCATED TO DDNAME SYSIN
186 IEF142I CTLLEFEC COBOL COBOL - STEP WAS EXECUTED - COND CODE 0000
187 IEF285I   IGY420.SIGYCOMP                        KEPT
188 IEF285I   VOL SER NOS= VTIGYG.
189 IEF285I   CEE.SCEERUN                            KEPT
190 IEF285I   VOL SER NOS= VTMVSC.
191 IEF285I   CEE.SCEERUN2                           KEPT
192 IEF285I   VOL SER NOS= VTMVSC.
193 IEF285I   KC03FEC.CTLLEFEC.JOB00536.D0000101.?       SYSOUT
194 IGD106I SYS23082.T165611.RA000.CTLLEFEC.LOADSET.H01  PASSED,   DDNAME=SYSLIN
195 IGD105I SYS23082.T165611.RA000.CTLLEFEC.R0181384    DELETED,   DDNAME=SYSUT1
196 IGD105I SYS23082.T165611.RA000.CTLLEFEC.R0181385    DELETED,   DDNAME=SYSUT2
197 IGD105I SYS23082.T165611.RA000.CTLLEFEC.R0181386    DELETED,   DDNAME=SYSUT3
198 IGD105I SYS23082.T165611.RA000.CTLLEFEC.R0181387    DELETED,   DDNAME=SYSUT4
199 IGD105I SYS23082.T165611.RA000.CTLLEFEC.R0181388    DELETED,   DDNAME=SYSUT5
200 IGD105I SYS23082.T165611.RA000.CTLLEFEC.R0181389    DELETED,   DDNAME=SYSUT6
201 IGD105I SYS23082.T165611.RA000.CTLLEFEC.R0181390    DELETED,   DDNAME=SYSUT7
202 IGD105I SYS23082.T165611.RA000.CTLLEFEC.R0181391    DELETED,   DDNAME=SYSUT8
203 IGD105I SYS23082.T165611.RA000.CTLLEFEC.R0181392    DELETED,   DDNAME=SYSUT9
204 IGD105I SYS23082.T165611.RA000.CTLLEFEC.R0181393    DELETED,   DDNAME=SYSUT10
205 IGD105I SYS23082.T165611.RA000.CTLLEFEC.R0181394    DELETED,   DDNAME=SYSUT11
206 IGD105I SYS23082.T165611.RA000.CTLLEFEC.R0181395    DELETED,   DDNAME=SYSUT12
207 IGD105I SYS23082.T165611.RA000.CTLLEFEC.R0181396    DELETED,   DDNAME=SYSUT13
208 IGD105I SYS23082.T165611.RA000.CTLLEFEC.R0181397    DELETED,   DDNAME=SYSUT14
209 IGD105I SYS23082.T165611.RA000.CTLLEFEC.R0181398    DELETED,   DDNAME=SYSUT15
210 IGD105I SYS23082.T165611.RA000.CTLLEFEC.R0181399    DELETED,   DDNAME=SYSMDECK
211 IGD104I KC03FEC.A4.COBOL                            RETAINED,  DDNAME=SYSIN
212 IEF373I STEP/COBOL   /START 2023082.1656
213 IEF032I STEP/COBOL   /STOP  2023082.1656
214         CPU:    0 HR  00 MIN  00.01 SEC    SRB:    0 HR  00 MIN  00.00 SEC
215         VIRT:  176K  SYS:  264K  EXT:    2028K  SYS:   11732K
216         ATB- REAL:              1080K  SLOTS:              0K
217            VIRT- ALLOC:     17M SHRD:      0M
218 IEF236I ALLOC. FOR CTLLEFEC LKED COBOL
219 IEF237I 1001 ALLOCATED TO SYSLIB
220 IEF237I 1001 ALLOCATED TO
221 IEF237I JES2 ALLOCATED TO SYSPRINT
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222 IGD103I SMS ALLOCATED TO DDNAME SYSLIN
223 IEF237I DMY  ALLOCATED TO
224 IGD103I SMS ALLOCATED TO DDNAME SYSLMOD
225 IEF142I CTLLEFEC LKED COBOL - STEP WAS EXECUTED - COND CODE 0000
226 IEF285I   CEE.SCEELKEX                           KEPT
227 IEF285I   VOL SER NOS= VTMVSC.
228 IEF285I   CEE.SCEELKED                           KEPT
229 IEF285I   VOL SER NOS= VTMVSC.
230 IEF285I   KC03FEC.CTLLEFEC.JOB00536.D0000102.?       SYSOUT
231 IGD105I SYS23082.T165611.RA000.CTLLEFEC.LOADSET.H01  DELETED,  DDNAME=SYSLIN
232 IGD104I KC03FEC.COBOL.LOADLIB                      RETAINED,  DDNAME=SYSLMOD
233 IEF373I STEP/LKED    /START 2023082.1656
234 IEF032I STEP/LKED    /STOP  2023082.1656
235        CPU:     0 HR  00 MIN  00.01 SEC   SRB:     0 HR  00 MIN  00.00 SEC
236        VIRT:    88K  SYS:   276K  EXT:    1768K  SYS:    11684K
237        ATB- REAL:                  1080K  SLOTS:                  0K
238            VIRT- ALLOC:       17M SHRD:       0M
239 IEF375I  JOB/CTLLEFEC/START 2023082.1656
240 IEF033I  JOB/CTLLEFEC/STOP  2023082.1656
241        CPU:     0 HR  00 MIN  00.02 SEC   SRB:     0 HR  00 MIN  00.00 SEC
242 PP 5655-S71 IBM Enterprise COBOL for z/OS  4.2.0                      Date 03/23/2023  Time
   16:56:15   Page     1
243 Invocation parameters:
244  TEST,RENT,APOST,OBJECT,NODYNAM,LIB,SIZE(2097152)
245 Options in effect:
246  NOADATA
247    ADV
248    APOST
249    ARITH(COMPAT)
250  NOAWO
251  NOBLOCK0
252    BUFSIZE(4096)
253  NOCICS
254    CODEPAGE(1140)
255  NOCOMPILE(S)
256  NOCURRENCY
257    DATA(31)
258  NODATEPROC
259    DBCS
260  NODECK
261  NODIAGTRUNC
262  NODLL
263  NODUMP
264  NODYNAM
265  NOEXIT
266  NOEXPORTALL
267  NOFASTSRT
268    FLAG(I,I)
269  NOFLAGMIG4
270  NOFLAGSTD
271    INTDATE(ANSI)
272    LANGUAGE(EN)
273    LIB
274    LINECOUNT(60)
275  NOLIST
276  NOMAP
277  NOMDECK
```

```
278 NONAME
279   NSYMBOL(NATIONAL)
280 NONUMBER
281   NUMPROC(NOPFD)
282   OBJECT
283 NOOFFSET
284 NOOPTIMIZE
285   OUTDD(SYSOUT)
286   PGMNAME(COMPAT)
287   RENT
288   RMODE(AUTO)
289   SEQUENCE
290   SIZE(2097152)
291   SOURCE
292   SPACE(1)
293 NOSQL
294   SQLCCSID
295 NOSSRANGE
296 NOTERM
297   TEST(HOOK,NOSEPARATE,NOEJPD)
298 NOTHREAD
299   TRUNC(STD)
300 PP 5655-S71 IBM Enterprise COBOL for z/OS  4.2.0                        Date 03/23/2023  Time
   16:56:15   Page    2
301 NOVBREF
302 NOWORD
303   XMLPARSE(XMLSS)
304   XREF(FULL)
305 NOZONECHECK
306   YEARWINDOW(1900)
307   ZWB
308 PP 5655-S71 IBM Enterprise COBOL for z/OS  4.2.0            CTLLOFEC  Date 03/23/2023  Time
   16:56:15   Page    3
309  LineID  PL SL   ----+-*A-1-B--+----2----+----3----+----4----+----5----+----6----+----7-|--
   +----8 Map and Cross Reference
310 /* CTLLOFEC
311  000001               IDENTIFICATION DIVISION.
312  000002               PROGRAM-ID. CTLLOFEC.
313  000003               AUTHOR. David Osagiede.
314  000004               DATE-WRITTEN. 3/16/2023.
315  000005              *PROGRAM DESCRIPTION:
316  000006              *Checks to see if the INVCTL-FILE open successfully, if
317  000007              *it already had data loaded previously or if it failed
318  000008               ENVIRONMENT DIVISION.
319  000009               INPUT-OUTPUT SECTION.
320  000010              *
321  000011               FILE-CONTROL.
322  000012                   SELECT INVCTL-INPUT ASSIGN TO CTLDATA
   24
323  000013                       ORGANIZATION IS SEQUENTIAL
324  000014                       FILE STATUS IS WS-INFILE-SW.
   44
325  000015
326  000016                   SELECT INVCTL-FILE ASSIGN TO OUTFILE
   34
327  000017                       RECORD KEY IS INVCTL-RECORD-KEY-1
   40
```

```
328
329 ==000017==> IGYGR1130-I "RECORD KEY" or "ALTERNATE KEY" "INVCTL-RECORD-KEY-1" was not defined
   as
330                           an alphanumeric item.  The key was treated as an alphanumeric item in
331                           input and output statements for this file.
332
333  000018                     ORGANIZATION IS INDEXED
334  000019                     ACCESS MODE IS SEQUENTIAL
335  000020                     FILE STATUS IS WS-OUTFILE-SW.
   47
336  000021             *
337  000022            DATA DIVISION.
338  000023            FILE SECTION.
339  000024            FD INVCTL-INPUT
340  000025                RECORDING MODE IS F
341  000026                RECORD CONTAINS 7 CHARACTERS
342  000027                DATA RECORD IS INVCTL-INPUT-RECORD.
   *
343  000028             01  INVCTL-INPUT-RECORD.
344  000029             *
345  000030                05  INVCTL-RECORD-KEYGRP.
346  000031                    10  INVCTL-RECORD-KEY          PIC 9(01).
347  000032                05  INVCTL-NEXT-INVOICE-NUMBER     PIC 9(06).
348  000033             *
349  000034            FD INVCTL-FILE
350  000035                RECORD CONTAINS 7 CHARACTERS
351  000036                DATA RECORD IS INVCTL-FILE-RECORD.
   *
352  000037             01  INVCTL-FILE-RECORD.
353  000038             *
354  000039                05  INVCTL-RECORD-KEYGRP-1.
355  000040                    10  INVCTL-RECORD-KEY-1        PIC 9(01).
356  000041                05  INVCTL-NEXT-INVOICE-NUMBER-1   PIC 9(06).
357  000042             *
358  000043            WORKING-STORAGE SECTION.
359  000044            01 WS-INFILE-SW                  PIC X(02)  VALUE SPACES.
   IMP
360  000045                88  WS-INFILE-SUCCESS               VALUE '00'.
361  000046                88  WS-INFILE-EOF                   VALUE '10'.
362  000047            01 WS-OUTFILE-SW                 PIC X(02)  VALUE SPACES.
   IMP
363  000048                88  WS-OUTFILE-SUCCESS              VALUE '00'.
364  000049                88  WS-OUTFILE-IOERROR              VALUE '37'.
365  000050                88  WS-OUTFILE-EOF                  VALUE '10'.
366  000051            01 WS-CM-REC                     PIC X(7).
367 PP 5655-S71 IBM Enterprise COBOL for z/OS  4.2.0          CTLLOFEC  Date 03/23/2023  Time
   16:56:15   Page    4
368  LineID  PL SL  ----+-*A-1-B--+----2----+----3----+----4----+----5----+----6----+----7-|--
   +----8 Map and Cross Reference
369  000052            01 WS-EOF-SW-IN                  PIC X(01)  VALUE 'N'.
370  000053                88  WS-EOF-IN-NO                    VALUE 'N'.
371  000054                88  WS-EOF-IN-YES                   VALUE 'Y'.
372  000055            01 WS-EOF-SW-OUT                 PIC X(01)  VALUE 'N'.
373  000056                88  WS-EOF-OUT-NO                   VALUE 'N'.
374  000057                88  WS-EOF-OUT-YES                  VALUE 'Y'.
375  000058            01 WS-NBR                        PIC 9      VALUE 0.
376  000059             *
```

```
377  000060                     PROCEDURE DIVISION.
378  000061                     000-MAIN-PARA.
379  000062                         MOVE SPACE TO WS-INFILE-SW
     IMP 44
380  000063                                      WS-OUTFILE-SW
     47
381  000064                                      WS-CM-REC.
     51
382  000065                 *
383  000066                         OPEN INPUT INVCTL-INPUT.
     24
384  000067                         IF WS-INFILE-SUCCESS
     45
385  000068        1                DISPLAY "INVCTL-INPUT OPEN SUCCESSFUL"
386  000069                         ELSE
387  000070        1                DISPLAY "WS-INFILE-SW=" WS-INFILE-SW
     44
388  000071        1                DISPLAY "INVCTL-INPUT OPEN ERROR"
389  000072        1                PERFORM 800-PROGRAM-FAILED
     122
390  000073                         END-IF.
391  000074                 *
392  000075                         OPEN OUTPUT INVCTL-FILE.
     34
393  000076                         IF WS-OUTFILE-SUCCESS
     48
394  000077        1                DISPLAY "INVCTL-FILE OPEN SUCCESSFUL"
395  000078        1            ELSE IF WS-OUTFILE-IOERROR
     49
396  000079        2                DISPLAY "WS-OUTFILE-SW=" WS-OUTFILE-SW
     47
397  000080        2                DISPLAY "INVCTL-FILE IOERROR - OPEN OUTPUT SHOULD BE "
398  000081        2                        "OPEN INPUT OR I-O OR EXTEND   "
399  000082        2                DISPLAY "- DATA MAY ALREADY HAVE BEEN LOADED PREVIOUSLY"
400  000083        2                DISPLAY "- DELETE AND INITIALIZE FILE TO RELOAD DATA"
401  000084        2                PERFORM 800-PROGRAM-FAILED
     122
402  000085        1            ELSE
403  000086        2                DISPLAY "WS-OUTFILE-SW=" WS-OUTFILE-SW
     47
404  000087        2                DISPLAY "INVCTL-FILE OPENING ERROR"
405  000088        2                PERFORM 800-PROGRAM-FAILED
     122
406  000089        1            END-IF.
407  000090                 *
408  000091                         READ INVCTL-INPUT
     24
409  000092        1                AT END MOVE 'Y' TO WS-EOF-SW-IN.
     52
410  000093                 *
411  000094                         IF WS-EOF-IN-NO THEN
     53
412  000095        1                DISPLAY "1ST READ INVCTL-INPUT-RECORD="
413  000096        1                INVCTL-INPUT-RECORD
     28
414  000097                 *
415  000098        1                PERFORM 100-LOAD-PARA
```

```
    107
416 000099     1                         UNTIL WS-EOF-IN-YES
    54
417 000100                      ELSE
418 000101     1                    DISPLAY "NO DATA IN INVCTL-INPUT"
419 000102     1                    PERFORM 800-PROGRAM-FAILED
    122
420 000103                      END-IF.
421 000104             *
422 000105                    PERFORM 900-COMPLETED-OK.
    127
423 000106             *
424 000107             100-LOAD-PARA.
425 000108             *
426 PP 5655-S71 IBM Enterprise COBOL for z/OS  4.2.0              CTLLOFEC  Date 03/23/2023  Time
    16:56:15   Page    5
427  LineID  PL SL  ----+-*A-1-B--+----2----+----3----+----4----+----5----+----6----+----7-|--
    +----8 Map and Cross Reference
428 000109                    WRITE INVCTL-FILE-RECORD FROM INVCTL-INPUT-RECORD.
    37 28
429 000110                    DISPLAY "WRITE TO INVCTL-FILE".
430 000111             *
431 000112                    READ INVCTL-INPUT
    24
432 000113     1                  AT END MOVE 'Y' TO WS-EOF-SW-IN.
    52
433 000114             *
434 000115                    IF WS-EOF-IN-NO THEN
    53
435 000116     1                  DISPLAY "NTH READ INVCTL-INPUT-RECORD="
436 000117     1                  INVCTL-INPUT-RECORD
    28
437 000118                    ELSE
438 000119     1                  DISPLAY "EOF INVCTL-INPUT"
439 000120                    END-IF.
440 000121             *
441 000122           800-PROGRAM-FAILED.
442 000123                    DISPLAY "PROGRAM TERMINATED WITH DIVIDE BY ZERO!".
443 000124                    DISPLAY "CHECK ERROR MESSAGES IN SYSOUT PART OF JOB SUMMARY".
444 000125                    COMPUTE WS-NBR = WS-NBR / WS-NBR.
    58 58 58
445 000126             *
446 000127           900-COMPLETED-OK.
447 000128                    DISPLAY "PROGRAM COMPLETED OK".
448 000129                    STOP RUN.
449 000130             *
450 */ CTLLOFEC
451 PP 5655-S71 IBM Enterprise COBOL for z/OS  4.2.0              CTLLOFEC  Date 03/23/2023  Time
    16:56:15   Page    6
452 An "M" preceding a data-name reference indicates that the data-name is modified by this
    reference.
453
454  Defined    Cross-reference of data names    References
455
456      34    INVCTL-FILE. . . . . . . . . . 16 75
457      37    INVCTL-FILE-RECORD . . . . . . M109
458      24    INVCTL-INPUT . . . . . . . . . 12 66 91 112
```

```
459      28    INVCTL-INPUT-RECORD. . . . . .  96 109 117
460      32    INVCTL-NEXT-INVOICE-NUMBER
461      41    INVCTL-NEXT-INVOICE-NUMBER-1
462      31    INVCTL-RECORD-KEY
463      40    INVCTL-RECORD-KEY-1. . . . . .  17
464      30    INVCTL-RECORD-KEYGRP
465      39    INVCTL-RECORD-KEYGRP-1
466      51    WS-CM-REC. . . . . . . . . . .  M64
467      53    WS-EOF-IN-NO . . . . . . . . .  94 115
468      54    WS-EOF-IN-YES. . . . . . . . .  99
469      56    WS-EOF-OUT-NO
470      57    WS-EOF-OUT-YES
471      52    WS-EOF-SW-IN . . . . . . . . .  M92 M113
472      55    WS-EOF-SW-OUT
473      46    WS-INFILE-EOF
474      45    WS-INFILE-SUCCESS. . . . . . .  67
475      44    WS-INFILE-SW . . . . . . . . .  14 M62 70
476      58    WS-NBR . . . . . . . . . . . .  M125 125 125
477      50    WS-OUTFILE-EOF
478      49    WS-OUTFILE-IOERROR . . . . . .  78
479      48    WS-OUTFILE-SUCCESS . . . . . .  76
480      47    WS-OUTFILE-SW. . . . . . . . .  20 M63 79 86
```
481 PP 5655-S71 IBM Enterprise COBOL for z/OS 4.2.0   CTLLOFEC Date 03/23/2023 Time
    16:56:15   Page   7
482 Context usage is indicated by the letter preceding a procedure-name reference.
483 These letters and their meanings are:
484   A = ALTER (procedure-name)
485   D = GO TO (procedure-name) DEPENDING ON
486   E = End of range of (PERFORM) through (procedure-name)
487   G = GO TO (procedure-name)
488   P = PERFORM (procedure-name)
489   T = (ALTER) TO PROCEED TO (procedure-name)
490   U = USE FOR DEBUGGING (procedure-name)
491
492 Defined   Cross-reference of procedures   References
493
494   61   000-MAIN-PARA
495   107   100-LOAD-PARA. P98
496   122   800-PROGRAM-FAILED P72 P84 P88 P102
497   127   900-COMPLETED-OK P105
498 PP 5655-S71 IBM Enterprise COBOL for z/OS 4.2.0   CTLLOFEC Date 03/23/2023 Time
    16:56:15   Page   8
499 Defined   Cross-reference of programs   References
500
501   2   CTLLOFEC
502 PP 5655-S71 IBM Enterprise COBOL for z/OS 4.2.0   CTLLOFEC Date 03/23/2023 Time
    16:56:15   Page   9
503 LineID Message code Message text
504
505   17 IGYGR1130-I   "RECORD KEY" or "ALTERNATE KEY" "INVCTL-RECORD-KEY-1" was not defined as
    an alphanumeric item. The key was
506   treated as an alphanumeric item in input and output statements for this
    file.
507 Messages   Total   Informational   Warning   Error   Severe   Terminating
508 Printed: 1   1
509 * Statistics for COBOL program CTLLOFEC:
510 *   Source records = 130

```
511 *    Data Division statements = 23
512 *    Procedure Division statements = 39
513 End of compilation 1,  program CTLLOFEC,  highest severity 0.
514 Return code 0
515 z/OS V2 R4 BINDER      16:56:16 THURSDAY MARCH 23, 2023
516 BATCH EMULATOR  JOB(CTLLEFEC) STEP(COBOL  ) PGM= IEWBLINK  PROCEDURE(LKED    )
517
518
519
520                                  *** O P E R A T I O N   S U M M A R Y   R E P O R T ***
521
522 PROCESSING OPTIONS:
523
524     ALIASES             NO
525     ALIGN2              NO
526     AMODE               UNSPECIFIED
527     CALL                YES
528     CASE                UPPER
529     COMPAT              UNSPECIFIED
530     COMPRESS            AUTO
531     DCBS                NO
532     DYNAM               NO
533     EXTATTR             UNSPECIFIED
534     EXITS:              NONE
535     FILL                NONE
536     GID                 UNSPECIFIED
537     HOBSET              NO
538     INFO                NO
539     LET                 04
540     LINECT              060
541     LIST                SUMMARY
542     LISTPRIV            NO
543     LONGPARM            NO
544     MAP                 NO
545     MAXBLK              032760
546     MODMAP              NO
547     MSGLEVEL            00
548     OVLY                NO
549     PRINT               YES
550     RES                 NO
551     REUSABILITY         UNSPECIFIED
552     RMODE               UNSPECIFIED
553     RMODEX              NO
554     SIGN                NO
555     STORENX             NOREPLACE
556     STRIPCL             NO
557     STRIPSEC            NO
558     SYMTRACE
559     TERM                NO
560     TRAP                ON
561     UID                 UNSPECIFIED
562     UPCASE              NO
563     WKSPACE             000000K,000000K
564     XCAL                NO
565     XREF                NO
566     ***END OF OPTIONS***
567
```

```
568
569
570
571 SAVE OPERATION SUMMARY:
572
573    MEMBER NAME         CTLLOFEC
574    LOAD LIBRARY        KC03FEC.COBOL.LOADLIB
575    PROGRAM TYPE        PROGRAM OBJECT(FORMAT 2)
576    VOLUME SERIAL       KCTR00
577    DISPOSITION         REPLACED
578    TIME OF SAVE        16.56.16  MAR 23, 2023
579
580
581 SAVE MODULE ATTRIBUTES:
582
583    AC                  000
584    AMODE                31
585    COMPRESSION         NONE
586    DC                  NO
587    EDITABLE            YES
588    EXCEEDS 16MB        NO
589    EXECUTABLE          YES
590    LONGPARM            NO
591    MIGRATABLE          YES
592    OL                  NO
593    OVLY                NO
594    PACK,PRIME          NO,NO
595    PAGE ALIGN          NO
596    REFR                NO
597    RENT                NO
598    REUS                NO
599    RMODE               ANY
600    SCTR                NO
601    SIGN                NO
602    SSI
603    SYM GENERATED       NO
604    TEST                NO
605    XPLINK              NO
606    MODULE SIZE (HEX)   00004D58
607    DASD SIZE (HEX)     0000A000
608
609
610  ENTRY POINT AND ALIAS SUMMARY:
611
612  NAME:            ENTRY TYPE AMODE C_OFFSET CLASS NAME        STATUS
613
614  CTLLOFEC         MAIN_EP     31 00000000 B_TEXT
615
616                    *** 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 ***
617
618
619
620
621 z/OS V2 R4 BINDER     16:56:16 THURSDAY MARCH 23, 2023
622 BATCH EMULATOR  JOB(CTLLEFEC) STEP(COBOL  ) PGM= IEWBLINK  PROCEDURE(LKED   )
623 IEW2008I 0F03 PROCESSING COMPLETED.  RETURN CODE =  0.
624
```

```
625
626
627 ----------------------
628 MESSAGE SUMMARY REPORT
629 ----------------------
630  TERMINAL MESSAGES      (SEVERITY = 16)
631  NONE
632
633  SEVERE MESSAGES        (SEVERITY = 12)
634  NONE
635
636  ERROR MESSAGES         (SEVERITY = 08)
637  NONE
638
639  WARNING MESSAGES       (SEVERITY = 04)
640  NONE
641
642  INFORMATIONAL MESSAGES (SEVERITY = 00)
643  2008
644
645
646  **** END OF MESSAGE SUMMARY REPORT ****
647
648
```