```
EEEEEEEEEEEEEEE   RRRRRRRRRRRR        FFFFFFFFFFFFFFF
EEEEEEEEEEEEEEE   RRRRRRRRRRRRR       FFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEE   RRRRRRRRRRRRR       FFFFFFFFFFFFFFF
EEE               RRR         RRR     FFF
EEE               RRR         RRR     FFF
EEE               RRR         RRR     FFF
EEE               RRR         RRR     FFF
EEE               RRR         RRR     FFF
EEE               RRR         RRR     FFF
EEEEEEEEEEEE      RRRRRRRRRRRR        FFFFFFFFFFFF
EEEEEEEEEEEE      RRRRRRRRRRRR        FFFFFFFFFFFF
EEEEEEEEEEEE      RRRRRRRRRRRR        FFFFFFFFFFFF
EEE               RRR  RRR            FFF
EEE               RRR  RRR            FFF
EEE               RRR  RRR            FFF
EEE               RRR     RRR         FFF
EEE               RRR     RRR         FFF
EEE               RRR     RRR         FFF
EEEEEEEEEEEEEEE   RRR        RRR      FFF
EEEEEEEEEEEEEEE   RRR        RRR      FFF
EEEEEEEEEEEEEEE   RRR        RRR      FFF
```

FILEID**OPNOUTFIL

```
000000   PPPPPPPP  NN      NN  000000   UU      UU  TTTTTTTTTT  FFFFFFFFFF  IIIIII  LL
000000   PPPPPPPP  NN      NN  000000   UU      UU  TTTTTTTTTT  FFFFFFFFFF  IIIIII  LL
00    00 PP     PP NN      NN 00    00  UU      UU      TT      FF              II  LL
00    00 PP     PP NN      NN 00    00  UU      UU      TT      FF              II  LL
00    00 PP     PP NNNN    NN 00    00  UU      UU      TT      FF              II  LL
00    00 PP     PP NNNN    NN 00    00  UU      UU      TT      FF              II  LL
00    00 PPPPPPPP  NN  NN  NN 00    00  UU      UU      TT      FFFFFFF         II  LL
00    00 PPPPPPPP  NN  NN  NN 00    00  UU      UU      TT      FFFFFFF         II  LL
00    00 PP        NN   NNNN  00    00  UU      UU      TT      FF              II  LL
00    00 PP        NN   NNNN  00    00  UU      UU      TT      FF              II  LL
00    00 PP        NN      NN 00    00  UU      UU      TT      FF              II  LL
00    00 PP        NN      NN 00    00  UU      UU      TT      FF              II  LL          ....
000000   PP        NN      NN  000000   UUUUUUUUUU      TT      FF          IIIIII  LLLLLLLLLL  ....
000000   PP        NN      NN  000000   UUUUUUUUUU      TT      FF          IIIIII  LLLLLLLLLL  ....


LL          IIIIII  SSSSSSSS
LL          IIIIII  SSSSSSSS
LL            II    SS
LL            II    SS
LL            II    SS
LL            II    SS
LL            II      SSSSSS
LL            II      SSSSSS
LL            II          SS
LL            II          SS
LL            II          SS
LL            II          SS
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS
```

```
0001    C
0002    C Version:        'V04-000'
0003    C
0004    C*********************************************************************
0005    C*                                                                   *
0006    C*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                          *
0007    C*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.           *
0008    C*  ALL RIGHTS RESERVED.                                             *
0009    C*                                                                   *
0010    C*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED *
0011    C*  ONLY IN ACCORDANCE WITH THE  TERMS  OF  SUCH  LICENSE  AND WITH THE  *
0012    C*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER *
0013    C*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY *
0014    C*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY *
0015    C*  TRANSFERRED.                                                     *
0016    C*                                                                   *
0017    C*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE *
0018    C*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT *
0019    C*  CORPORATION.                                                     *
0020    C*                                                                   *
0021    C*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS *
0022    C*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.          *
0023    C*                                                                   *
0024    C*                                                                   *
0025    C*********************************************************************
0026    C
0027    C
0028    C
0029    C      AUTHOR: Elliott A. Drayton           CREATION DATE: 15-Dec-1982
0030    C
0031    C      Functional description:
0032    C
0033    C
0034    C      This module opens the file specified by OUTPUT FILE STRING.
0035    C      If the open is successful then we returns to the caller,
0036    C      else we signal the error and stop the image.
0037    C
0038    C
0039    C      Modified by:
0040    C
0041    C      V03-005 EAD0189         Elliott A. Drayton            6-Jul-1984
0042    C              Remove LSTLUN from the parmeter list, it is in SYECOM.
0043    C
0044    C      V03-004 EAD0131         Elliott A. Drayton            9-Apr-1984
0045    C              Changed the carriage control from fortran to list.
0046    C
0047    C      V03-003 EAD0003         Elliott A. Drayton            23-Aug-1983
0048    C              Add an assignment for FORMS when SYS$OUTPUT is not uesed.
0049    C
0050    C      V03-002 EAD0002         Elliott A. Drayton            23-Jun-1983
0051    C              Changed the default for FORMS to true.
0052    C
0053    C      V03-001 EAD0001         Elliott A. Drayton            20-Jun-1983
0054    C              Changed error message from SYE to ERF.
0055    C
0056    C**
0057
```

```
0058            Subroutine Open_out_file ( output_file_string )
0059
0060
0061            Include 'SRC$:SYECOM.FOR/NOLIST'
0189
0190            Character*(*)    output_file_string
0191            Integer*4        output_file_string_length
0192
0193            Integer*4        fnum,rmssts,rmsstv,iunit,condval
0194
0195            Integer*4        Term_dev
0196
0197            Integer          sys$output
0198
0199            External         sys$output_open
0200            External         lstlun_open
0201
0202            Forms = .FALSE.
0203
0204            Printer = .FALSE.
0205
0206            Lstlun = 2
0207
0208            Term_dev = 4
0209
0210            Sys$output = 6
0211
0212            output_file_string_length = LEN (output_file_string)
0213
0214            open(   unit = sys$output,
0215            1       name = 'sys$output',
0216            1       type = 'new',
0217            1       access = 'sequential',
0218            1       useropen = sys$output_open,
0219            1       carriagecontrol = 'list')
0220
0221            if (output_file_string .ne. 'SYS$OUTPUT') then
0222
0223            Forms = .TRUE.
0224            open(   unit = lstlun,
0225            1       name = output_file_string(1:output_file_string_length),
0226            1       err = 200,
0227            1       type = 'new',
0228            1       access = 'sequential',
0229            1       useropen = lstlun_open,
0230            1       carriagecontrol ='list')
0231
0232                    IF (FORMS
0233            1       .AND.
0234            2       JIAND(DEV_CHAR,TERM_DEV) .EQ. 0) PRINTER = .TRUE.
0235            ELSE
0236
0237              lstlun = sys$output
0238
0239            ENDIF
0240
0241
```

```
0242              return
0243
0244     200      Call ERRSNS (fnum,rmssts,rmsstv,iunit,condval)
0245
0246              If (rmssts .eq. 0) then
0247                 Call LIB$INSV (3,0,3,condval)
0248                 Call LIB$SIGNAL (%VAL(condval),%VAL(3),%VAL(iunit),
0249           1     output_file_string(1:output_file_string_length))
0250              Else
0251                 Call LIB$INSV (3,0,3,rmssts)
0252                 Call LIB$SIGNAL (%VAL(rmssts),%VAL(rmsstv))
0253              ENDIF
0254
0255              Print 9000
0256     9000     Format (1x, 'ERF-F-OPENERR, FATAL OPEN ERROR ON FILE')
0257
0258              Print 9010, output_file_string
0259     9010     Format (1x, a80)
0260
0261              Call exit
0262              end
```

PROGRAM SECTIONS

Name	Bytes	Attributes
0 $CODE	268	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 $PDATA	78	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 $LOCAL	244	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
3 SYECOM	44	PIC OVR REL GBL SHR NOEXE RD WRT LONG

Total Space Allocated   634

ENTRY POINTS

Address	Type	Name
0-00000000		OPEN_OUT_FILE

VARIABLES

Address	Type	Name	Address	Type	Name
2-00000014	I*4	CONDVAL	3-00000012	L*1	CP-11750
3-00000011	L*1	CP_11780	3-00000013	L*1	CP-117ZZ
3-00000014	L*4	CRYPTK_FLAG	3-0000000D	I*4	DEV_CHAR
3-0000001E	L*1	END_VALUE	3-0000001D	L*1	EOF_FLAG
2-00000004	I*4	FNUM	3-00000004	L*4	FORMS
2-00000010	I*4	IUNIT	3-0000000C	L*1	LINES
3-00000027	I*4	LSTLUN	3-0000001F	I*4	MAILBOX_CHANNEL
3-0000002B	CHAR	OPTIONS	AP-00000004@	CHAR	OUTPUT_FILE_STRING
2-00000000	I*4	OUTPUT_FILE_STRING_LENGTH	3-00000008	L*4	PRINTER

```
3-00000000   I*4   RECCNT                    3-00000023   I*4   RECORD_SIZE
2-00000008   I*4   RMSSTS                    2-0000000C   I*4   RMSSTV
2-0000001C   I*4   SYS$OUTPUT                2-00000018   I*4   TERM_DEV
3-00000019   L*1   VALID_CLASS               3-0000001A   L*1   VALID_CPU
3-0000001B   L*1   VALID_ENTRY               3-0000001C   L*1   VALID_TYPE
3-00000018   L*1   VOLUME_OUTPUT
```

LABELS

```
   Address   Label        Address   Label        Address   Label

0-00000077   200       1-00000013   9000'     1-0000003F   9010'
```

FUNCTIONS AND SUBROUTINES REFERENCED

```
Type   Name                        Type   Name                        Type   Name

       FOR$ERRSNS                         FOR$EXIT                           FOR$OPEN
       LIB$INSV                           LIB$SIGNAL                         LSTLUN_OPEN
       SYS$OUTPUT_OPEN
```

COMMAND QUALIFIERS

  FORTRAN /LIS=LIS$:OPNOUTFIL/OBJ=OBJ$:OPNOUTFIL MSRC$:OPNOUTFIL

  /CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
  /DEBUG=(NOSYMBOLS,TRACEBACK)
  /STANDARD=(NOSYNTAX,NOSOURCE_FORM)
  /SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)
  /F77 /NOG_FLOATING /I4 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19

COMPILATION STATISTICS

```
Run Time:          1.85 seconds
Elapsed Time:      5.87 seconds
Page Faults:       113
Dynamic Memory:    170 pages
```