K 6

```
EEEEEEEEEEEEEEE  RRRRRRRRRRRR      FFFFFFFFFFFFFFF
EEEEEEEEEEEEEEE  RRRRRRRRRRRR      FFFFFFFFFFFFFFF
EEEEEEEEEEEEEEE  RRRRRRRRRRRR      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**HEADER

IMA
V04

```
HH      HH  EEEEEEEEEE    AAAAAA    DDDDDDDD    EEEEEEEEEE  RRRRRRRR
HH      HH  EEEEEEEEEE    AAAAAA    DDDDDDDD    EEEEEEEEEE  RRRRRRRR
HH      HH  EE           AA    AA   DD      DD  EE          RR      RR
HH      HH  EE           AA    AA   DD      DD  EE          RR      RR
HH      HH  EE           AA    AA   DD      DD  EE          RR      RR
HH      HH  EE           AA    AA   DD      DD  EE          RR      RR
HHHHHHHHHH  EEEEEEEE     AA    AA   DD      DD  EEEEEEEE    RRRRRRRR
HHHHHHHHHH  EEEEEEEE     AA    AA   DD      DD  EEEEEEEE    RRRRRRRR
HH      HH  EE           AAAAAAAAAA   DD      DD  EE          RR  RR
HH      HH  EE           AAAAAAAAAA   DD      DD  EE          RR  RR
HH      HH  EE           AA    AA   DD      DD  EE          RR    RR        ....
HH      HH  EE           AA    AA   DD      DD  EE          RR    RR        ....
HH      HH  EEEEEEEEEE   AA    AA   DDDDDDDD    EEEEEEEEEE  RR      RR      ....
HH      HH  EEEEEEEEEE   AA    AA   DDDDDDDD    EEEEEEEEEE  RR      RR      ....

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            SUBROUTINE HEADER (LUN)
0028
0029    C
0030    C       AUTHOR  BRIAN PORTER            CREATION DATE   3-MAR-1979
0031    C
0032    C       Functional description:
0033    C
0034    C       This module displays the herald for individual entries.
0035    C
0036    C       Modified by:
0037    C
0038    C       V03-003 SAR0187         Sharon A. Reynolds,     1-Feb-1984
0039    C               Modified the format statements for ERF output files.
0040    C
0041    C       V03-002 SAR0144         Sharon A. Reynolds,     5-Oct-1983
0042    C               Applied an SYE update that adds the HEADER3 routine.
0043    C
0044    C       v03-001 BP0003          Brian Porter,           05-MAR-1982
0045    C               Added mscp support.
0046    C
0047    C**
0048
0049
0050
0051            INCLUDE 'SRC$:MSGHDR.FOR /NOLIST'
0110            INCLUDE 'SRC$:SYECOM.FOR/NOLIST'
0238
0239
0240
0241            BYTE            LUN
0242
```

```
0243            integer*4       record_number
0244
0245            CHARACTER*24    TIME
0246
0247            LOGICAL*4       SYS$ASCTIM
0248            EXTERNAL        SYS$ASCTIM
0249
0250            INTEGER*4       FIELD
0251            INTEGER*4       COMPRESS4
0252
0253
0254            CALL LINCHK(LUN,2)
0255
0256            WRITE(LUN,5) ('*',I=1,28),RECCNT,('*',I=1,28)
0257    5       FORMAT(' ',28A1,' ENTRY ',I7,'. ',28A1)
0258
0259    7       FIELD = LIB$EXTZV(0,16,EMB$W_HD_ERRSEQ)
0260
0261            WRITE(LUN,10) FIELD,EMB$L_HD_SID
0262    10      FORMAT(' ','ERROR SEQUENCE ',I<COMPRESS4 (FIELD)>,'.',T52,
0263           1 'LOGGED ON SID',T66,Z8.8)
0264
0265            RETURN
0266
0267
0268
0269            Entry HEADER2 (lun,record_number)
0270
0271
0272
0273            call linchk(lun,2)
0274
0275            write(lun,5) ('*',i=1,28),record_number,('*',i=1,28)
0276
0277            goto 7
0278
0279
0280
0281            Entry HEADER3 (lun,record_number)
0282
0283            call linchk(lun,2)
0284
0285            Write(lun,15) record_number,lib$extzv(0,16,emb$w_hd_errseq),
0286           1 emb$l_hd_sid
0287    15      Format(' ','****** ENTRY ',i<compress4 (record_number)>,
0288           1 '., ERROR SEQUENCE ',i<compress4 (lib$extzv(0,16,emb$w_hd_errseq))>,
0289           1 '. LOGGED ON SID ',z8.8)
0290
0291            return
0292
0293            end
```

PROGRAM SECTIONS

	Name	Bytes	Attributes
0	$CODE	422	PIC CON REL LCL SHR EXE RD NOWRT LONG
1	$PDATA	164	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2	$LOCAL	96	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
3	EMB	512	PIC OVR REL GBL SHR NOEXE RD WRT LONG
4	$YECOM	44	PIC OVR REL GBL SHR NOEXE RD WRT LONG
	Total Space Allocated	1238	

ENTRY POINTS

Address	Type	Name	Address	Type	Name	Address	Type	Name
0-00000000		HEADER	0-0000009B		HEADER2	0-00000101		HEADER3

VARIABLES

Address	Type	Name	Address	Type	Name
4-00000012	L*1	CP_11750	4-00000011	L*1	CP_11780
4-00000013	L*1	CP_1177Z	4-00000014	L*4	CR▽PTK_FLAG
4-0000000D	I*4	DE▽_CHAR	3-00000000	I*4	EMB$L_HD_SID
3-00000004	I*2	EMB$W_HD_ENTRY	3-0000000E	I*2	EMB$W_HD_ERRSEQ
4-0000001E	L*1	END_VALUE	4-0000001D	L*1	EOF_FLAG
2-00000018	I*4	FIELD	4-00000004	L*4	FORMS
2-0000001C	I*4	I	4-0000000C	L*1	LINES
4-00000027	I*4	LSTLUN	AP-0000004@	L*1	LUN
4-0000001F	I*4	MAILBOX_CHANNEL	4-0000002B	CHAR	OPTIONS
4-00000008	L*4	PRINTER	4-00000000	I*4	RECCNT
2-00000020@	I*4	RECORD_NUMBER	4-00000023	I*4	RECORD_SIZE
2-00000000	CHAR	TIME	4-00000019	L*1	VALID_CLASS
4-0000001A	L*1	VALID_CPU	4-0000001B	L*1	VALID_ENTRY
4-0000001C	L*1	VALID_TYPE	4-00000018	L*1	VOLUME_OUTPUT

ARRAYS

Address	Type	Name	Bytes	Dimensions
3-00000000	L*1	EMB	512	(0:511)
3-00000006	I*4	EMB$Q_HD_TIME	8	(2)

LABELS

Address	Label	Address	Label	Address	Label	Address	Label
1-0000000D	5'	0-00000061	7	1-00000028	10'	1-0000005C	15'

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name	Type	Name
I*4	COMPRESS4	I*4	LIB$EXTZV		LINCHK

```
0001
0002
0003              end
```

PROGRAM SECTIONS

	Name	Bytes	Attributes
0	$CODE	6	PIC CON REL LCL SHR EXE RD NOWRT LONG
	Total Space Allocated	6	

ENTRY POINTS

Address	Type	Name
0-00000000		HEADER$MAIN

COMMAND QUALIFIERS

```
  FORTRAN /LIS=LIS$:HEADER/OBJ=OBJ$:HEADER MSRC$:HEADER

  /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:           2.21 seconds
  Elapsed Time:       6.81 seconds
  Page Faults:        115
  Dynamic Memory:     171 pages
```

GETCODE.LIS

INITPROC1.LIS

INITREAL.LIS

EXECIMAGE.LIS

ERFSUMM.LIS

INITBUS.LIS

INITPROC4.LIS

KMS3271.LIS

ERFTAPEVE.LIS

HEADER.LIS

FILES.LIS

ERLLOGSYS.LIS

INITPROC2.LIS

INIT_TAPE.LIS

ERLLOGMSG.LIS

INITDISK.LIS

INITPROC5.LIS

IMAGELOAD.LIS

INITPROC3.LIS

INTERVENE.LIS

ERFRTVEC.LIS

ERFSUMVEC.LIS