```
EEEEEEEEEEEEEEE   RRRRRRRRRRR      FFFFFFFFFFFFFFF
EEEEEEEEEEEEEEE   RRRRRRRRRRRR     FFFFFFFFFFFFFFF
EEEEEEEEEEEEEEE   RRRRRRRRRRRR     FFFFFFFFFFFFFF
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      RRRRRRRRRRR      FFFFFFFFFFF
EEEEEEEEEEEE      RRRRRRRRRRR      FFFFFFFFFFF
EEEEEEEEEEEE      RRRRRRRRRRR      FFFFFFFFFFF
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
```

```
HH      HH  EEEEEEEEEE    AAAAAA   DDDDDDD    EEEEEEEEEE  RRRRRRR
HH      HH  EEEEEEEEEE    AAAAAA   DDDDDDD    EEEEEEEEEE  RRRRRRR
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  EEEEEEE     AA    AA   DD     DD  EEEEEEE     RRRRRRR
HHHHHHHHHH  EEEEEEE     AA    AA   DD     DD  EEEEEEE     RRRRRRR
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   DDDDDDD    EEEEEEEEEE  RR    RR   ....
HH      HH  EEEEEEEEEE  AA    AA   DDDDDDD    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*                                                                      *
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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
```

HEADER
G 9
16-Sep-1984 00:21:58
5-Sep-1984 13:56:55
VAX-11 FORTRAN V3.4-56
DISK$VMSMASTER:[ERF.SRC]HEADER.FOR;1
Page 2

```
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	SYECOM	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_117ZZ	4-00000014	L*4	CRYPTK_FLAG
4-0000000D	I*4	DEV_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-00000004@	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

RMS3221
LIS

ERFTAPEVE
LIS

HEADER
LIS

FILES
LIS

ERLLOGSTS
LIS

INITPROC2
LIS

INIT_TAPE
LIS

ERLLOGMSG
LIS

INITDISK
LIS

INITPROC5
LIS

IMAGELOAD
LIS

ERFRTVEC
LIS

INITPROC3
LIS

INTERVENE
LIS

ERFSUMVEC
LIS