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
```

```
UU      UU  NN      NN  DDDDDDDD    EEEEEEEEEE  FFFFFFFFFF    IIIIII    NN      NN  EEEEEEEEEE  DDDDDDDD
UU      UU  NN      NN  DDDDDDDD    EEEEEEEEEE  FFFFFFFFFF    IIIIII    NN      NN  EEEEEEEEEE  DDDDDDDD
UU      UU  NN      NN  DD      DD  EE          FF              II      NN      NN  EE          DD      DD
UU      UU  NN      NN  DD      DD  EE          FF              II      NN      NN  EE          DD      DD
UU      UU  NNNN    NN  DD      DD  EE          FF              II      NNNN    NN  EE          DD      DD
UU      UU  NNNN    NN  DD      DD  EE          FF              II      NNNN    NN  EE          DD      DD
UU      UU  NN  NN  NN  DD      DD  EEEEEEEE    FFFFFFFF        II      NN  NN  NN  EEEEEEEE    DD      DD
UU      UU  NN  NN  NN  DD      DD  EEEEEEEE    FFFFFFFF        II      NN  NN  NN  EEEEEEEE    DD      DD
UU      UU  NN    NNNN  DD      DD  EE          FF              II      NN    NNNN  EE          DD      DD
UU      UU  NN    NNNN  DD      DD  EE          FF              II      NN    NNNN  EE          DD      DD
UU      UU  NN      NN  DD      DD  EE          FF              II      NN      NN  EE          DD      DD
UU      UU  NN      NN  DD      DD  EE          FF              II      NN      NN  EE          DD      DD
UUUUUUUUUU  NN      NN  DDDDDDDD    EEEEEEEEEE  FF            IIIIII    NN      NN  EEEEEEEEEE  DDDDDDDD
 UUUUUUUUU  NN      NN  DDDDDDDD    EEEEEEEEEE  FF            IIIIII    NN      NN  EEEEEEEEEE  DDDDDDDD

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
```

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```
0001              SUBROUTINE UNDEFINED (LUN)
0002        C
0003        C Version:      'V04-000'
0004        C
0005        C*****************************************************************************
0006        C*                                                                           *
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0024        C*                                                                           *
0025        C*                                                                           *
0026        C*****************************************************************************
0027        C
0028        C
0029        C
0030        C       AUTHOR  BRIAN PORTER            CREATION DATE   11-DEC-1979
0031        C
0032        C++
0033        C       Functional description:
0034        C
0035        C       This module displays entries that are caused by UNDEFINED INTERRUPTS.
0036        C       An Undefined Interrupt is when an interrupt occurs through an
0037        C       uninitialized SCB vector.
0038        C
0039        C       Modified by:
0040        C
0041        C       V03-001 SAR0104         Sharon A. Reynolds,     20-Jun-1983
0042        C               Changed the carriage control in the 'format' statements
0043        C               for use with ERF.
0044        C
0045        C       v02-001 BP0001          Brian Porter,           1-JUL-1981
0046        C               Added call to LOGGER.  Added 11/7zz support.
0047        C--
0048        C**
0049
0050
0051
0052              INCLUDE 'SRC$:MSGHDR.FOR /NOLIST'
0111              INCLUDE 'SRC$:SYECOM.FOR /NOLIST'
0239
0240
0241
0242
```

```
0243            BYTE            LUN
0244
0245            INTEGER*4       ADAPTER_TR
0246
0247            INTEGER*4       SLOT_INDEX
0248
0249            INTEGER*4       SBI_REGA
0250
0251            INTEGER*4       CSR0
0252
0253            INTEGER*4       COMPRESS4
0254
0255            EQUIVALENCE     (EMB(16),ADAPTER_TR,SLOT_INDEX)
0256
0257            EQUIVALENCE     (EMB(20),SBI_REGA,CSR0)
0258
0259
0260
0261
0262
0263            CALL FRCTOF (LUN)
0264
0265
0266
0267
0268            entry b_undefined (lun)
0269
0270
0271
0272
0273            call header (lun)
0274
0275            call logger (lun,'UNDEFINED INTERRUPT')
0276
0277            if (
0278            1 lib$extzv(24,8,emb$l_hd_sid) .eq. 255
0279            1 .or.
0280            1 lib$extzv(24,8,emb$l_hd_sid) .eq. 1
0281            1 ) then
0282
0283            CALL LINCHK (LUN,2)
0284
0285            WRITE(LUN,10) ADAPTER_TR
0286    10      FORMAT(/' ','ADAPTER TR# ',I<COMPRESS4 (ADAPTER_TR)>,'.')
0287
0288            CALL CLASSIFY (LUN,SBI_REGA)
0289
0290            else if (
0291            1 lib$extzv(24,8,emb$l_hd_sid) .eq. 2
0292            1 .or.
0293            1 lib$extzv(24,8,emb$l_hd_sid) .eq. 3
0294            1 ) then
0295
0296            CALL LINCHK (LUN,2)
0297
0298            WRITE(LUN,20) SLOT_INDEX
0299    20      FORMAT(/' ','ADAPTER SLOT INDEX# ',I<COMPRESS4 (SLOT_INDEX)>,'.')
```

```
0300
0301              CALL LINCHK (LUN,1)
0302
0303              WRITE(LUN,30) CSR0
0304     30       FORMAT(' ',T8,'ADAPTER CSR ',T24,Z8.8)
0305              endif
0306
0307              RETURN
0308
0309              END
```

PROGRAM SECTIONS

	Name	Bytes	Attributes
0	$CODE	306	PIC CON REL LCL SHR EXE RD NOWRT LONG
1	$PDATA	125	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	1083	

ENTRY POINTS

Address	Type	Name	Address	Type	Name
0-00000017		B_UNDEFINED	0-00000000		UNDEFINED

VARIABLES

Address	Type	Name	Address	Type	Name
3-00000010	I*4	ADAPTER_TR	4-00000012	L*1	CP_11750
4-00000011	L*1	CP_11780	4-00000013	L*1	CP_117ZZ
4-00000014	L*4	CRYPTK_FLAG	3-00000014	I*4	CSR0
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
4-00000004	L*4	FORMS	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
4-00000023	I*4	RECORD_SIZE	3-00000014	I*4	SBI_REGA
3-00000010	I*4	SLOT_INDEX	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
1-00000024	10'	1-00000040	20'	1-00000064	30'

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name	Type	Name	Type	Name	Type	Name	Type	Name
	CLASSIFY	I*4	COMPRESS4		FRCTOF		HEADER	I*4	LIB$EXTZV		LINCHK
	LOGGER										

COMMAND QUALIFIERS

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

  /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:           2.04 seconds
  Elapsed Time:       5.45 seconds
  Page Faults:        126
  Dynamic Memory:     171 pages
```

0154 AH-BT13A-SE
VAX/VMS V4.0

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TOF.LIS
UNKNOWN.LIS
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