


```
0001 SUBROUTINE UNDEFINED (LUN)
0002 C
0003 C Version: 'V04-000'
0004 C
0005 C*****
0006 C*
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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 C
0050 C
0051 C
0052 C INCLUDE 'SRC$:MSGHDR.FOR /NOLIST'
0111 C INCLUDE 'SRC$:SYECOM.FOR /NOLIST'
0239 C
0240 C
0241 C
0242 C
```

```
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     CSRO
0252
0253      INTEGER*4     COMPRESS4
0254
0255      EQUIVALENCE   (EMB(16),ADAPTER_TR,SLOT_INDEX)
0256
0257      EQUIVALENCE   (EMB(20),SBI_REGA,CSRO)
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) CSRO
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_11722
4-00000014	L*4	CRYPTK_FLAG	3-00000014	I*4	CSRO
4-0000000D	I*4	DEV_CHAR	3-00000000	I*4	EMB\$LD_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-00000004a	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

UNDEFINED

K 15
16-Sep-1984 00:29:40
5-Sep-1984 14:24:42

VAX-11 FORTRAN V3.4-56
DISK\$VMSMASTER:[ERF.SRC]UNDEFINED.FOR;1

ARRAYS

Address	Type	Name	Bytes	Dimensions
3-00000000	L*1	EMB	512	(0:511)
3-00000006	I*4	EMBSQ_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
	CLASSIFY LOGGER	I*4	COMPRESS4		FRCTOF		HEADER	I*4	LIB\$EXTZV
									LINCHK

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

