

```

EEEEEEEEEEEEEEEE  RRRRRRRRRRR  FFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEEE  RRRRRRRRRRR  FFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEEE  RRRRRRRRRRR  FFFFFFFFFFFFFFFF
EEE                RRR          RRR  FFF
EEE                RRR          RRR  FFF
EEE                RRR          RRR  FFF
EEE                RRR          RRR  FFF
EEE                RRR          RRR  FFF
EEE                RRR          RRR  FFF
EEEEEEEEEEEEEEEE  RRRRRRRRRRR  FFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEEE  RRRRRRRRRRR  FFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEEE  RRRRRRRRRRR  FFFFFFFFFFFFFFFF
EEE                RRR          RRR  FFF
EEE                RRR          RRR  FFF
EEE                RRR          RRR  FFF
EEE                RRR          RRR  FFF
EEE                RRR          RRR  FFF
EEE                RRR          RRR  FFF
EEEEEEEEEEEEEEEE  RRR          RRR  FFF
EEEEEEEEEEEEEEEE  RRR          RRR  FFF
EEEEEEEEEEEEEEEE  RRR          RRR  FFF

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```
      SUBROUTINE BRIEF (LUN,NUMREG,REGISTERS,REG_HERALD,NAME,UNIT)
C
C  Version:      'V04-000'
C
C*****
C*
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C*
C*****
C
C
C  AUTHOR  BRIAN PORTER          CREATION DATE  18-SEP-1979
C
C  Modified by:
C
C  V03-001 SAR0063      Sharon A. Reynolds,    20-Jun-1983
C                   Changed carriage control in the 'format' statements
C                   for use in ERF.
C
C  v02-002 BP0002      Brian Porter,          29-JUN-1981
C                   Removed code to display name and unit.
C
C  V02-001 SR0001      Sharon Reynolds,       19-Nov-1980
C                   Added code to determine whether BRIEF was called from
C                   CRYPTK to fix the problem with the device registers
C                   being printed twice on the cryptk report.
C**
C
C  Include 'SRC$:SYECOM.FOR /nolist'
C
C  BYTE          LUN
C  BYTE          NUMREG
C  INTEGER*2     UNIT
```

```
0185
0186      INTEGER*4      REGISTERS(0:NUMREG-1)
0187
0188      INTEGER*4      FIELD
0189
0190      INTEGER*4      COMPRESS4
0191
0192      INTEGER*4      COMPRESSC
0193
0194      CHARACTER*(*)  REG_HERALD(0:NUMREG-1)
0195
0196      CHARACTER*3    NAME
0197
0198
0199
0200
0201      ENTRY BRIEF16 (LUN,NUMREG,REGISTERS,REG_HERALD,NAME,UNIT)
0202
0203
0204
0205
0206      IF (NUMREG .GT. 12) NUMREG = 12
0207
0208      CALL LINCHK (LUN,3)
0209
0210      WRITE(LUN,10) (REG_HERALD(I), I = 0, NUMREG - 1)
0211 10      FORMAT('/' ', <NUMREG> (:, T<(I*5)+8>, A<COMPRESSC (REG_HERALD(I))>), /)
0212
0213
0214      If (cryptk_flag) then
0215      Return
0216      Endif
0217
0218
0219      ENTRY BRIEF16_A (LUN,NUMREG,REGISTERS)
0220
0221
0222
0223
0224      IF (NUMREG .GT. 12) NUMREG = 12
0225
0226      CALL LINCHK (LUN,1)
0227
0228 20      WRITE(LUN,20) (JIAND(REGISTERS(I), 'FFFF'X), I = 0, NUMREG - 1)
0229      FORMAT(' ', <NUMREG> (:, T<(I*5)+8>, Z4.4))
0230
0231      RETURN
0232
0233
0234
0235      ENTRY BRIEF32 (LUN,NUMREG,REGISTERS,REG_HERALD,NAME,UNIT)
0236
0237
0238
0239      IF (NUMREG .GT. 7) NUMREG = 7
0240
0241      CALL LINCHK (LUN,3)
```

```

0242
0243
0244      30      WRITE(LUN,30) (REG HERALD(I), I = 0, NUMREG - 1)
0245      FORMAT(/' ', <NUMREG>(:, T<(I*9)+8>,
0246      1 A<COMPRESSC (REG_HERALD(I))>), /)
0247
0248      If (cryptk_flag) then
0249      Return
0250      Endif
0251
0252
0253      ENTRY BRIEF32_A (LUN, NUMREG, REGISTERS)
0254
0255
0256
0257      IF (NUMREG .GT. 7) NUMREG = 7
0258
0259      CALL LINCHK (LUN, 1)
0260
0261      40      WRITE(LUN,40) (REGISTERS(I), I = 0, NUMREG - 1)
0262      FORMAT(' ', <NUMREG>(:, T<(I*9)+8>, Z8.8))
0263
0264      RETURN
0265
0266      END
    
```

PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	803	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$PDATA	106	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	148	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
3 SYECOM	44	PIC OVR REL GBL SHR NOEXE RD WRT LONG
Total Space Allocated		1101

ENTRY POINTS

Address	Type	Name	Address	Type	Name	Address	Type	Name	Address	Type	Name
0-00000000		BRIEF	0-00000023		BRIEF16	0-000000B4		BRIEF16_A	0-00000125		BRIEF32
0-070001B6		BRIEF32_A									

VARIABLES

Address	Type	Name	Address	Type	Name
2-00000004	I*4	COMPRESS4	3-00000012	L*1	CP_11750
3-00000011	L*1	CP_11780	3-00000013	L*1	CP_11722
3-00000014	L*4	CRYPTK_FLAG	3-0000000D	I*4	DEV_CHAR
3-0000001E	L*1	END_VALUE	3-0000001D	L*1	EOF_FLAG

2-00000000	I*4	FIELD	3-00000004	L*4	FORMS
2-00000008	I*4	I	3-0000000C	L*1	LINES
3-00000027	I*4	LSTLUN	AP-00000004a	L*1	LUN
3-0000001F	I*4	MAILBOX_CHANNEL	AP-00000014a	CHAR	NAME
2-0000000Ca	L*1	NUMREG	3-0000002B	CHAR	OPTIONS
3-00000008	L*4	PRINTER	3-00000000	I*4	RECCNT
3-00000023	I*4	RECORD_SIZE	AP-00000018a	I*2	UNIT
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			

ARRAYS

Address	Type	Name	Bytes	Dimensions
AP-0000000Ca	I*4	REGISTERS	**	(0:*)
2-00000010a	CHAR	REG_HERALD	**	(0:*)

LABELS

Address	Label	Address	Label	Address	Label	Address	Label
1-00000008	10'	1-00000023	20'	1-00000039	30'	1-00000054	40'

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name
I*4	COMPRESSC		LINCHK

COMMAND QUALIFIERS

FORTRAN /LIS=LIS\$:BRIEF/OBJ=OBJ\$:BRIEF MSRC\$:BRIEF

/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: 2.89 seconds
 Elapsed Time: 9.74 seconds
 Page Faults: 141
 Dynamic Memory: 187 pages

