```
EEEEEEEEEEEEEEE   RRRRRRRRRRR      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
EEEEEEEEEEEEEEE   RRR          RRR   FFF
```

FILEID**VAXPSL

```
VV      VV    AAAAAA    XX      XX  PPPPPPPP      SSSSSSSS  LL
VV      VV    AAAAAA    XX      XX  PPPPPPPP      SSSSSSSS  LL
VV      VV  AA      AA  XX      XX  PP      PP  SS            LL
VV      VV  AA      AA  XX      XX  PP      PP  SS            LL
VV      VV  AA      AA    XX  XX    PP      PP  SS            LL
VV      VV  AA      AA    XX  XX    PP      PP  SS            LL
VV      VV  AA      AA      XX      PPPPPPPP      SSSSSS      LL
VV      VV  AA      AA      XX      PPPPPPPP      SSSSSS      LL
VV      VV  AAAAAAAAAA    XX  XX    PP                  SS  LL
VV      VV  AAAAAAAAAA    XX  XX    PP                  SS  LL
  VV  VV    AA      AA  XX      XX  PP                  SS  LL              ....
  VV  VV    AA      AA  XX      XX  PP                  SS  LL              ....
    VV      AA      AA  XX      XX  PP          SSSSSSSS    LLLLLLLLLL      ....
    VV      AA      AA  XX      XX  PP          SSSSSSSS    LLLLLLLLLL      ....

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            SUBROUTINE VAXPSL (LUN,ERROR_PSL)
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   24-JUL-1979
0031      C
0032      C       Functional description:
0033      C
0034      C       This module is called to display the vax psl.
0035      C
0036      C       Modified by:
0037      C
0038      C       V03-001 SAR0107         Sharon A. Reynolds,     20-Jun-1983
0039      C               Changed the carriage control in the 'format' statements
0040      C               for use with ERF.
0041      C
0042      C       v02-002 BP0002          Brian Porter            11-MAY-1981
0043      C               Added include statement and modified necessary code
0044      C               to enable its use.
0045      C       v02-001 BP0001          Brian Porter            11-FEB-1981
0046      C               Removed call to UNUSED_BITS.  Added code to print a 32-bit
0047      C               psl image.
0048      C**
0049
0050
0051
0052            include 'src$:modes.for /nolist'
0090
0091
0092
0093
0094            BYTE            LUN
```

```
0095
0096            INTEGER*4       FIELD
0097
0098            INTEGER*4       COMPRESSC
0099
0100            INTEGER*4       ERROR_PSL
0101
0102            CHARACTER*31    V1PSL(0:7)
0103            CHARACTER*16    V2PSL(26:27)
0104            CHARACTER*19    V3PSL(30:31)
0105
0106
0107
0108
0109            DATA    V1PSL(0)        /'C-BIT*'/
0110
0111            DATA    V1PSL(1)        /'V-BIT*'/
0112
0113            DATA    V1PSL(2)        /'Z-BIT*'/
0114
0115            DATA    V1PSL(3)        /'N-BIT*'/
0116
0117            DATA    V1PSL(4)        /'T-BIT*'/
0118
0119            DATA    V1PSL(5)        /'INTEGER OVERFLOW TRAP ENABLE*'/
0120
0121            DATA    V1PSL(6)        /'FLOATING UNDERFLOW TRAP ENABLE*'/
0122
0123            DATA    V1PSL(7)        /'DECIMAL OVERFLOW TRAP ENABLE*'/
0124
0125
0126
0127
0128            DATA    V2PSL(26)       /'INTERRUPT STACK*'/
0129
0130            DATA    V2PSL(27)       /'FIRST PART DONE*'/
0131
0132
0133
0134
0135            DATA    V3PSL(30)       /'TRACE PENDING*'/
0136
0137            DATA    V3PSL(31)       /'COMPATABILITY MODE*'/
0138
0139
0140
0141
0142            CALL LINCHK (LUN,2)
0143
0144            WRITE(LUN,50) ERROR_PSL
0145    50      FORMAT(/' ',T8,'ERROR PSL',T24,Z8.8)
0146
0147            CALL OUTPUT (LUN,ERROR_PSL,V1PSL,0,0,7,'0')
0148
0149            FIELD = LIB$EXTZV(16,5,ERROR_PSL)
0150
0151            CALL LINCHK (LUN,1)
```

```
0152
0153            WRITE(LUN,100) FIELD
0154    100     FORMAT(' ',T40,'INTERRUPT PRIORITY LEVEL = ',I2.2,'.')
0155
0156            FIELD = LIB$EXTZV(22,2,ERROR_PSL)
0157
0158            CALL LINCHK (LUN,1)
0159
0160            WRITE(LUN,125) modes(FIELD)
0161    125     FORMAT(' ',T40,'PREVIOUS MODE = ',
0162            1 A<COMPRESSC (modes(FIELD))>)
0163
0164            FIELD = LIB$EXTZV(24,2,ERROR_PSL)
0165
0166            CALL LINCHK (LUN,1)
0167
0168            WRITE(LUN,150) modes(FIELD)
0169    150     FORMAT(' ',T40,'CURRENT MODE  = ',
0170            1 A<COMPRESSC (modes(FIELD))>)
0171
0172            CALL OUTPUT (LUN,ERROR_PSL,V2PSL,26,26,27,'0')
0173
0174            CALL OUTPUT (LUN,ERROR_PSL,V3PSL,30,30,31,'0')
0175
0176            RETURN
0177
0178            END
```

PROGRAM SECTIONS

	Name	Bytes	Attributes
0	$CODE	426	PIC CON REL LCL SHR EXE RD NOWRT LONG
1	$PDATA	174	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2	$LOCAL	620	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
3	MODE	55	PIC OVR REL GBL SHR NOEXE RD WRT LONG
	Total Space Allocated	1275	

ENTRY POINTS

Address	Type	Name
0-00000000		VAXPSL

VARIABLES

Address	Type	Name	Address	Type	Name	Address	Type	Name
AP-00000008@	I*4	ERROR_PSL	2-00000140	I*4	FIELD	AP-00000004@	L*1	LUN

ARRAYS

Address	Type	Name	Bytes	Dimensions
3-00000000	CHAR	MODES	55	(0:4)
2-00000000	CHAR	V1PSL	248	(0:7)
2-000000F8	CHAR	V2PSL	32	(26:27)
2-00000118	CHAR	V3PSL	38	(30:31)

LABELS

Address	Label	Address	Label	Address	Label	Address	Label
1-00000032	50'	1-00000049	100'	1-00000072	125'	1-00000090	150'

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name	Type	Name	Type	Name
I*4	COMPRESSC	I*4	LIB$EXTZV		LINCHK		OUTPUT

COMMAND QUALIFIERS

```
  FORTRAN /LIS=LIS$:VAXPSL/OBJ=OBJ$:VAXPSL MSRC$:VAXPSL
  /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:              1.88 seconds
  Elapsed Time:          6.89 seconds
  Page Faults:           131
  Dynamic Memory:        171 pages
```

EVLDEF
MDL

LIBTAIL
B32

XXXQUE
LIS

UTILDEF
REQ

ERRDEF
MDL

EVCDEF
MDL

CONSOLE
LIS

USEROPEN
LIS

VAXPSL
LIS

ERRFMT

VAX780REG
LIS

ERRFMT
MAP

EVLIBRARY
B32

VAX750REG
LIS

VECMAPREG
LIS

ERRFMT
LIS

EVL

LIBHEAD
B32

EVL
MAP

WQDEF
MDL