



```

PPPPPPPP      000000      SSSSSSSS      BBBB8888      EEEEEEEEEE
PPPPPPPP      000000      SSSSSSSS      BBBB8888      EEEEEEEEEE
PP      PP      00      00      SS      BB      BB      EE
PP      PP      00      00      SS      BB      BB      EE
PP      PP      00      00      SS      BB      BB      EE
PP      PP      00      00      SS      BB      BB      EE
PPPPPPPP      00      00      SSSSSS      BBBB8888      EEEEEEEEEE
PPPPPPPP      00      00      SSSSSS      BBBB8888      EEEEEEEEEE
PP      00      00      SS      BB      BB      EE
PP      00      00      SS      BB      BB      EE
PP      00      00      SS      BB      BB      EE
PP      00      00      SS      BB      BB      EE
PP      000000      SSSSSSSS      BBBB8888      EEEEEEEEEE
PP      000000      SSSSSSSS      BBBB8888      EEEEEEEEEE

```

```

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
LLLLLLLLLLLL IIIIII SSSSSSSS
LLLLLLLLLLLL IIIIII SSSSSSSS

```

```

1 0001 0 MODULE POSBE (LANGUAGE (BLISS32),
2 0002 0 IDENT = 'V04-000',
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1 *****
7 0007 1 *
8 0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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25 0025 1 *
26 0026 1 *
27 0027 1 *****
28 0028 1
29 0029 1 **
30 0030 1
31 0031 1 FACILITY: MTAACP
32 0032 1
33 0033 1 ABSTRACT:
34 0034 1 This module positions to the beginning or to the end of the volume set
35 0035 1
36 0036 1
37 0037 1 ENVIRONMENT:
38 0038 1
39 0039 1 VMS operating system, including privileged system services
40 0040 1 and internal exec routines.
41 0041 1
42 0042 1 --
43 0043 1
44 0044 1
45 0045 1
46 0046 1 AUTHOR: D. H. GILLESPIE, CREATION DATE: 14-JUL-1977
47 0047 1
48 0048 1 MODIFIED BY:
49 0049 1
50 0050 1 V02-004 REFORMAT Maria del C. Nasr 30-Jun-1980
51 0051 1
52 0052 1
53 0053 1 **
54 0054 1
55 0055 1 LIBRARY 'SYSS$LIBRARY:LIB.L32';
56 0056 1
57 0057 1 REQUIRE 'SRC$:MTADEF.B32';

```

POSBE  
V04-000

: 58

0441 1

M 3  
16-Sep-1984 02:28:38  
14-Sep-1984 12:46:46

VAX-11 BLISS-32 V4.0-742  
DISK\$VMSMASTER:[MTAACP.SRC]POSBE.B32;1 Page (1) 2

RDA  
V04

.....

```

60 0442 1 GLOBAL ROUTINE POSITION_TO_END : COMMON_CALL NOVALUE =
61 0443 1
62 0444 1 !++
63 0445 1
64 0446 1 FUNCTIONAL DESCRIPTION:
65 0447 1 This routine positions the volume set at the end
66 0448 1
67 0449 1 CALLING SEQUENCE:
68 0450 1 POSITION_TO_END()
69 0451 1
70 0452 1 INPUT PARAMETERS:
71 0453 1 NONE
72 0454 1
73 0455 1 IMPLICIT INPUTS:
74 0456 1 CURRENT_VCB - address of current vcb
75 0457 1 CURRENT_WCB - address of current wcb
76 0458 1
77 0459 1 OUTPUT PARAMETERS:
78 0460 1 NONE
79 0461 1
80 0462 1 IMPLICIT OUTPUTS:
81 0463 1 NONE
82 0464 1
83 0465 1 ROUTINE VALUE:
84 0466 1 NONE
85 0467 1
86 0468 1 SIDE EFFECTS:
87 0469 1 The volume set is positioned to the end
88 0470 1 If the dummy file is found, then the tape is positioned before the dummy file
89 0471 1
90 0472 1 USER ERRORS:
91 0473 1 $$$_FILALRACC - can not position to end if a file is already accessed
92 0474 1
93 0475 1 --
94 0476 1
95 0477 2 BEGIN
96 0478 2
97 0479 2 EXTERNAL REGISTER
98 0480 2 COMMON_REG;
99 0481 2
100 0482 2 LOCAL
101 0483 2 MVL : REF BBLOCK, ! mag tape volume list
102 0484 2 LASTVOL; ! rvn of last volume
103 0485 2
104 0486 2 EXTERNAL
105 0487 2
106 0488 2 ! address of current window control block
107 0489 2
108 0490 2 CURRENT_WCB : REF BBLOCK;
109 0491 2
110 0492 2 EXTERNAL ROUTINE
111 0493 2 CLOSE_FILE : L$CLOSE_FILE, ! close file
112 0494 2 GET_START_HDR : L$GET_START_HDR, ! get start headers
113 0495 2 SPACE_EOF : COMMON_CALL; ! space to end of file
114 0496 2
115 0497 2 ! this function is not legal if a file is open
116 0498 2

```

```

: 117      0499      2
: 118      0500
: 119      0501      2
: 120      0502      2
: 121      0503      2
: 122      0504      2
: 123      0505      2
: 124      0506      2
: 125      0507      2
: 126      0508      2
: 127      0509      2
: 128      0510      2
: 129      0511      2
: 130      0512      2
: 131      0513      2
: 132      0514      2
: 133      0515      2
: 134      0516      2
: 135      0517      2
: 136      0518      2
: 137      0519      2
: 138      0520      2
: 139      0521      2
: 140      0522      2
: 141      0523      1

```

```

IF .CURRENT_WCB NEQU 0
THEN
  ERR_EXIT(SS$_FILALRACC);

IF .CURRENT_VCB[VCB$_PARTFILE]
THEN
  CLOSE_FILE();

WHILE 1
DO
  BEGIN
    IF NOT GET_START_HDR()
    THEN
      EXITLOOP;

    IF .CURRENT_VCB[VCB$_CUR_NUM] EQLU 0
    THEN
      EXITLOOP;

    SPACE_EOF();
  END;
END;

```

```

! space to end of current file
! end of routine

```

```

.TITLE POSBE
.IDENT \V04-000\

.EXTRN CURRENT_WCB, CLOSE_FILE
.EXTRN GET_START_HDR, SPACE_EOF

.PSECT $CODE$,NOWRT,2

```

			0400	00000
0000G	CF	D5	00002	
	04	13	00006	
00A4	8F	BF	00008	
03	0B	AB	E9 0000C	1\$:
	0000G	30	00010	
	0000G	30	00013	2\$:
0C		50	E9 00016	
	24	AB	B5 00019	
		07	13 0001C	
0000G	CF	00	FB 0001E	
		EE	11 00023	
		04	00025	3\$:

.ENTRY	POSITION_TO_END, Save R10	: 0442
TSTL	CURRENT_WCB	: 0500
BEQL	1\$	
CHMU	#164	: 0502
BLBC	11(CURRENT_VCB), 2\$	: 0504
BSBW	CLOSE_FILE	: 0506
BSBW	GET_START_HDR	: 0512
BLBC	R0, 3\$	
TSTW	36(CURRENT_VCB)	: 0516
BEQL	3\$	
CALLS	#0, SPACE_EOF	: 0520
BRB	2\$	: 0508
RET		: 0523

; Routine Size: 38 bytes, Routine Base: \$CODE\$ + 0000

```

: 142      0524      1
: 143      0525      1 END
: 144      0526      1
: 145      0527      0 ELLDOM

```

PSECT SUMMAR

```
Name          Bytes          Attributes
SCODE$        38 NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
```

Library Statistics

File	Symbols		Pages Mapped	Processing Time
	Total	Loaded Percent		
_\$255\$DUA28:[SYSLIB]LIB.L32:1	18619	7 0	1000	00:01.9

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:POSBE/OBJ=OBJ\$:POSBE MSRC\$:POSBE/UPDATE=(ENH\$:POSBE)

```
: 146          0528 0
: Size:        38 code + 0 data bytes
: Run Time:    00:05.8
: Elapsed Time: 00:13.2
: Lines/CPU Min: 5471
: Lexemes/CPU-Min: 20176
: Memory Used: 70 pages
: Compilation Complete
```

The image displays a grid of 100 terminal windows, each showing a different VAX/VMS command-line interface. The windows are arranged in a 10x10 grid. Many windows show the text 'LIS' followed by a filename, such as 'WTATTR LIS', 'POSFID LIS', 'RESACC LIS', 'RWVOL LIS', 'STRVIO LIS', 'MTHRTL', 'MTHRTL MAP', 'POSBE LIS', 'RDATTR LIS', 'REWSPC LIS', and 'UUMTHRTL MAP'. Other windows show various system prompts, error messages, and data listings. The overall appearance is that of a multi-terminal session on a VAX/VMS system.