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```

LL      000000  GGGGGGGG  DDDDDDDD  EEEEEEEEE  LL
LL      000000  GGGGGGGG  DDDDDDDD  EEEEEEEEE  LL
LL      00      00  GG      DD      DD  EE      LL
LL      00      00  GG      DD      DD  EE      LL
LL      00      00  GG      DD      DD  EE      LL
LL      00      00  GG      DD      DD  EE      LL
LL      00      00  GG      DD      DD  EEEEEEEE  LL
LL      00      00  GG  GGGGGG  DD      DD  EEEEEEEE  LL
LL      00      00  GG  GGGGGG  DD      DD  EE      LL
LL      00      00  GG      GG      DD      DD  EE      LL
LL      00      00  GG      GG      DD      DD  EE      LL
LL      00      00  GG      GG      DD      DD  EE      LL
LLLLLLLL 000000  GGGGGG  DDDDDDDD  EEEEEEEEE  LLLLLLLLL  ....
LLLLLLLL 000000  GGGGGG  DDDDDDDD  EEEEEEEEE  LLLLLLLLL  ....

```

```

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
LLLLLLLL IIIIII  SSSSSSSS
LLLLLLLL IIIIII  SSSSSSSS

```

```

1 0001 0 MODULE LOGDEL (
2 0002 0 LANGUAGE (BLISS32),
3 0003 0 IDENT = 'V04-000',
4 0004 0 ) =
5 0005 1 BEGIN
6 0006 1
7 0007 1
8 0008 1 *****
9 0009 1 *
10 0010 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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27 0027 1 *
28 0028 1 *
29 0029 1 *****
30 0030 1
31 0031 1 ++
32 0032 1
33 0033 1 FACILITY: F11ACP Structure Level 1
34 0034 1
35 0035 1 ABSTRACT:
36 0036 1
37 0037 1 This routine sends a message to log each delete operation that takes
38 0038 1 place.
39 0039 1
40 0040 1 ENVIRONMENT:
41 0041 1
42 0042 1 STARLET operating system, including privileged system services
43 0043 1 and internal exec routines.
44 0044 1
45 0045 1 --
46 0046 1
47 0047 1
48 0048 1 AUTHOR: Andrew C. Goldstein, CREATION DATE: 21-Jul-1978 13:10
49 0049 1
50 0050 1 MODIFIED BY:
51 0051 1
52 0052 1 A0100 ACG0001 Andrew C. Goldstein, 10-Oct-1978 20:01
53 0053 1 Previous revision history moved to F11A.REV
54 0054 1
55 0055 1 **
56 0056 1
57 0057 1

```

LOGDEL  
V04-000

L 16  
~~18-Sep-1984~~ 01:08:59  
~~12-Sep-1984~~ 12:29:41

VAX 11/Bliss-32 V4.0-742  
DIS :VMSMASTER:[F11A.SRC]LOGDEL.B32:1 Page (1)

: 58  
: 59

0058 1 LIBRARY 'SYSS\$LIBRARY:LIB:L32':  
0059 1 REQUIRE 'SRCS:FCPDEF.B32':

```

: 61      0374 1  | +
: 62      0375 1  |
: 63      0376 1  | Format of message to the delete logger
: 64      0377 1  |
: 65      0378 1  | -
: 66      0379 1  |
: 67      0380 1  | MACRO
: 68      0381 1  |     MSG_TIME      = 00, 0, 0, 0%, | time of day (8 bytes)
: 69      0382 1  |     MSG_DEVNAME   = 08, 0,32, 0%, | device name (counted ascii)
: 70      0383 1  |     MSG_UNIT      = 12, 0,16, 0%, | unit number
: 71      0384 1  |     MSG_DID       = 14, 0, 0, 0%, | directory ID (6 bytes)
: 72      0385 1  |     MSG_FILENAME  = 20, 0, 0, 0%, | file name (20 bytes)
: 73      0386 1  |     MSG_OWNER     = 40, 0,32, 0%, | file owner UIC
: 74      0387 1  |     MSG_PROCNAME  = 44, 0, 0, 0%, | process name (16 bytes)
: 75      0388 1  |     MSG_UIC       = 60, 0,32, 0%, | process UIC
: 76      0389 1  |
: 77      0390 1  | LITERAL
: 78      0391 1  |     MESSAGE_LENGTH = 64;           | length of message

```

```
80 0392 1 GLOBAL ROUTINE LOG_DELETE (FIB, HEADER) : NOVALUE =
81 0393 1
82 0394 1 **
83 0395 1
84 0396 1 FUNCTIONAL DESCRIPTION:
85 0397 1
86 0398 1 This routine sends a message to log each delete operation that takes
87 0399 1 place.
88 0400 1
89 0401 1
90 0402 1 CALLING SEQUENCE:
91 0403 1 LOG_DELETE (ARG1, ARG2)
92 0404 1
93 0405 1 INPUT PARAMETERS:
94 0406 1 ARG1: address of user FIB
95 0407 1 ARG2: address of file header
96 0408 1
97 0409 1 IMPLICIT INPUTS:
98 0410 1 IO_PACKET: address of I/O request packet
99 0411 1
100 0412 1 OUTPUT PARAMETERS:
101 0413 1 NONE
102 0414 1
103 0415 1 IMPLICIT OUTPUTS:
104 0416 1 NONE
105 0417 1
106 0418 1 ROUTINE VALUE:
107 0419 1 NONE
108 0420 1
109 0421 1 SIDE EFFECTS:
110 0422 1 message sent to delete logger mailbox
111 0423 1
112 0424 1 --
113 0425 1
114 0426 2 BEGIN
115 0427 2
116 0428 2 MAP
117 0429 2 FIB : REF BBLOCK, ! user FIB
118 0430 2 HEADER : REF BBLOCK; ! file header arg
119 0431 2
120 0432 2 LOCAL
121 0433 2 MESSAGE : BBLOCK [MESSAGE_LENGTH], ! message buffer
122 0434 2 IDENT_AREA : REF BBLOCK, ! address of header ident area
123 0435 2 PCB : REF BBLOCK, ! address of caller PCB
124 0436 2 CHANNEL : WORD; ! channel assigned to mailbox
125 0437 2
126 0438 2 EXTERNAL
127 0439 2 IO_PACKET : REF BBLOCK, ! address of I/O packet
128 0440 2 CURRENT_UCB : REF BBLOCK, ! address of device UCB
129 0441 2 SCH$GL_PCBVEC : REF VECTOR ADDRESSING_MODE (ABSOLUTE);
130 0442 2 ! system PCB vector
131 0443 2
132 0444 2 EXTERNAL ROUTINE
133 0445 2 MAKE_STRING; ! make string from RAD-50 file name
134 0446 2
135 0447 2
136 0448 2 ! Assign a channel to the mailbox. If the assignment fails, the logger is not
```

```
137 0449 2 ; running. Then build the message and send it.
138 0450 2 ;
139 0451 2 ;
140 0452 2 IF NOT $ASSIGN (CHAN = CHANNEL, DEVNAM = DESCRIPTOR ('ACPSDELLOG_MBX'))
141 0453 2 THEN RETURN;
142 0454 2 ;
143 0455 2 $GETTIM (TIMADR = MESSAGE[MSG TIME]); ! time of day
144 0456 2 MESSAGE[MSG_DEVNAME] = .(BLOCK [CURRENT_UCB[UCB$L_DDB], DDB$T_NAME])<0,32>;
145 0457 2 MESSAGE[MSG_UNIT] = .CURRENT_UCB[UCB$W_UNIT];
146 0458 2 CH$MOVE (FIB$S DID, FIB[FIB$W DID], MESSAGE[MSG DID]);
147 0459 2 IDENT AREA = .HEADER + .HEADER[FH1$B IDOFFSET]*2;
148 0460 2 CH$FIL (' ', 20, MESSAGE[MSG_FILENAME]);
149 0461 2 MAKE STRING (IDENT_AREA[F11$W_FILENAME]-6, MESSAGE[MSG_FILENAME]);
150 0462 2 MESSAGE[MSG_OWNER] = .(HEADER[FH1$W_FILEOWNER])<0,8>;
151 0463 2 (MESSAGE[MSG_OWNER])<16,8> = .(HEADER[FH1$W_FILEOWNER])<8,8>;
152 0464 2 PCB = .SCH$G[PCBVEC[.IO_PACKET[IRPSL_PID])<0,16>];
153 0465 2 CH$MOVE (PCB$S LNAME, PCB[PCB$T LNAME], MESSAGE[MSG_PROCNAME]);
154 0466 2 MESSAGE[MSG_UIC] = .PCB[PCB$L_UIC];
155 0467 2 ;
156 P 0468 2 $QIOW (
157 P 0469 2     CHAN = .CHANNEL,
158 P 0470 2     FUNC = IOS$WRITEVBLK OR IOSM_NOW
159 P 0471 2     P1 = MESSAGE,
160 P 0472 2     P2 = MESSAGE_LENGTH
161 0473 2 );
162 0474 2 ;
163 0475 2 $DASSGN (CHAN = .CHANNEL);
164 0476 2 ;
165 0477 1 END; ! end of routine LOG_DELETE
```

.TITLE LOGDEL  
.IDENT \V04-000\

.PSECT \$CODE\$,NOWRT,2

58 42 4D 5F 47 4F 4C 4C 45 44 24 50 43 41 0000 P.AAB: .ASCII \ACPSDELLOG\_MBX\ :  
0000E .BLKB 2 :  
0000000E 00010 P.AAA: .LONG 14 :  
00000000' 00014 .ADDRESS P.AAB :

.EXTRN IO\_PACKET, CURRENT\_UCB  
.EXTRN SCH\$GL PCBVEC, MAKE\_STRING  
.EXTRN SYSS\$ASSIGN, SYSS\$GETTIM  
.EXTRN SYSS\$QIOW, SYSS\$DASSGN

				00FC 0000J	.ENTRY LOG_DELETE, Save R2,R3,R4,R5,R6,R7	: 0392
	5E	BC	AE	9E 00002	MOVAB -68(SP), SP	: 0452
			7E	7C 00006	CLRQ -(SP)	: 0455
		08	AE	9F 00008	PUSHAB CHANNEL	: 0456
		EA	AF	9F 0000B	PUSHAB P.AAA	:
00000000G	00		04	FB 0000E	CALLS #4, SYSS\$ASSIGN	:
	01		50	E8 00015	BLBS R0, 1\$	:
				04 00018	RET	:
		04	AE	9F 00019 1\$:	PUSHAB MESSAGE	: 0455
00000000G	00		01	FB 0001C	CALLS #1, SYSS\$GETTIM	:
	51	0000G	CF	D0 00023	MOVL CURRENT_UCB, R1	: 0456

			50	28	A1	D0	00028	MOVL	40(R1), R0		
		0C	AE	14	A0	D0	0002C	MOVL	20(R0), MESSAGE+8		
		10	AE	54	A1	B0	00031	MOVW	84(R1), MESSAGE+12		0457
			50	04	AC	D0	00036	MOVL	FIB, R0		0458
	12	AE	0A		06	28	0003A	MOVC3	#6, 10(R0), MESSAGE+14		
			57	08	AC	D0	00040	MOVL	HEADER, R7		0459
			50		67	9A	00044	MOVZBL	(R7), R0		
			56		6740	3E	00047	MOVAV	(R7)(R0), IDENT AREA		
14		20	6E		00	2C	0004B	MOVC5	#0, (SP), #32, #20, MESSAGE+20		0460
				18	AE		00050				
				18	AE	9F	00052	PUSHAB	MESSAGE+20		0461
				FA	A6	9F	00055	PUSHAB	-6(IDENT AREA)		
		0000G	CF		02	FB	00058	CALLS	#2, MAKE STRING		
		2C	AE	08	A7	9A	0005D	MOVZBL	8(R7), MESSAGE+40		0462
		2E	AE	09	A7	90	00062	MOVW	9(R7), MESSAGE+42		0463
			51	00000000G	9F	D0	00067	MOVL	@#SCH\$GL PCBVEC, R1		0464
			50	0000G	CF	D0	0006E	MOVL	IO PACKET, R0		
			5C		0C	C0	00073	ADDL2	#12, R0		
			50		60	3C	00076	MOVZWL	(R0), R0		
			56		6140	D0	00079	MOVL	(R1)(R0), PCB		
	30	AE	70		10	28	0007D	MOVC3	#16, 112(PCB), MESSAGE+44		0465
			40	AE	00BC	C6	00083	MOVL	188(PCB), MESSAGE+60		0466
					7E	7C	00089	CLRQ	-(SP)		0473
					7E	7C	0008B	CLRQ	-(SP)		
			7E	40	8F	9A	0008D	MOVZBL	#64, -(SP)		
				18	AE	9F	00091	PUSHAB	MESSAGE		
					7E	7C	00094	CLRQ	-(SP)		
					7E	D4	00096	CLRL	-(SP)		
			7E	70	8F	9A	00098	MOVZBL	#112, -(SP)		
			7E	28	AE	3C	0009C	MOVZWL	CHANNEL, -(SP)		
					7E	D4	000A0	CLRL	-(SP)		
		00000000G	00		0C	FB	000A2	CALLS	#12, SYSSQIOW		
			7E		6E	3C	000A9	MOVZWL	CHANNEL, -(SP)		0475
		00000000G	00		01	FB	000AC	CALLS	#1, SYSSDASSGN		
					04	000B3		RET			0477

; Routine Size: 180 bytes, Routine Base: \$CODE\$ + 0018

```

: 166      0478 1
: 167      0479 1 END
: 168      0480 0 ELUDOM

```

PSECT SUMMARY

```

:
: Name      Bytes      Attributes
: $CODE$    204 NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPI,ALIGN(2)
:

```



Library Statistics

File	Symbols		Pages Mapped	Processing Time
	Total	Loaded Percent		
:_\$255\$DUA28:[SYSLIB]LIB.L32;1	18619	21 0	1000	00:01.8

COMMAND QUALIFIERS

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

: Size: 180 code + 24 data bytes  
: Run Time: 00:07.8  
: Elapsed Time: 00:24.7  
: Lines/CPU Min: 3697  
: Lexemes/CPU-Min: 21288  
: Memory Used: 103 pages  
: Compilation Complete



The image displays a grid of 100 terminal windows, arranged in 10 rows and 10 columns. Each window contains a program name followed by the letters 'LIS'. The programs are: Row 1: REQUEL LIS, RWATTR LIS; Row 2: MOOTFY LIS; Row 3: SCHFCB LIS; Row 4: MAKACC LIS; Row 5: MPWIND LIS; Row 6: MAPUBN LIS, PMS LIS, RDHEDR LIS, RWJB LIS; Row 7: RETDIR LIS; Row 8: ROBLOK LIS; Row 9: SMALOC LIS; Row 10: MAKMBE LIS, MAKSTR LIS, MATHOR LIS. The text is faint and the background is dark, typical of a photocopied document.