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IIIIII  NN      NN  IIIIII  MM      MM  FFFFFFFF  DDDDDDD  DD
IIIIII  NN      NN  IIIIII  MM      MM  FFFFFFFF  DDDDDDD  DD
  II     NN      NN  II      MMMM  MMMM  FF          DD      DD
  II     NN      NN  II      MMMM  MMMM  FF          DD      DD
  II     NNNN    NN  II      MM   MM   FF          DD      DD
  II     NNNN    NN  II      MM   MM   FF          DD      DD
  II     NN  NN  NN  II      MM   MM   FFFFFFFF  DD      DD
  II     NN  NN  NN  II      MM   MM   FFFFFFFF  DD      DD
  II     NN      NNNN  II     MM   MM   FF          DD      DD
  II     NN      NNNN  II     MM   MM   FF          DD      DD
  II     NN      NN   II     MM   MM   FF          DD      DD
  II     NN      NN   II     MM   MM   FF          DD      DD
IIIIII  NN      NN  IIIIII  MM      MM  FF          DDDDDDD  DD
IIIIII  NN      NN  IIIIII  MM      MM  FF          DDDDDDD  DD

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LL      II     SS
LL      II     SSSSSS
LL      II     SSSSSS
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LL      II     SS
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS

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```

0001 0 MODULE INIMFD (
0002 0     LANGUAGE (BLISS32),
0003 0     IDENT = 'V04-000',
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1
0008 1 *****
0009 1 *
0010 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0020 1 *
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0023 1 * CORPORATION.
0024 1 *
0025 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0026 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 **
0032 1
0033 1 FACILITY:  INIT Utility Structure Level 1
0034 1
0035 1 ABSTRACT:
0036 1
0037 1     This routine writes the initial master file directory.
0038 1
0039 1 ENVIRONMENT:
0040 1
0041 1     STARLET operating system, including privileged system services
0042 1     and internal exec routines.
0043 1
0044 1 --
0045 1
0046 1
0047 1 AUTHOR:  Andrew C. Goldstein,  CREATION DATE:  14-Nov-1977  19:19
0048 1
0049 1 REVISION HISTORY:
0050 1
0051 1     Andrew C. Goldstein, 5-Jan-1978  19:17
0052 1     X0002 - Correct file ID's in MFD
0053 1
0054 1     Andrew C. Goldstein, 14-Jan-1978  0:37
0055 1     X0003 - Directory structure change
0056 1
0057 1     Andrew C. Goldstein, 23-May-78  11:33

```

```
.. 58      0058 1 | X0004 - Add Structure Level 2 reserved files
.. 59      0059 1 |
.. 60      0060 1 | Andrew C. Goldstein, 7-Jun-78 20:50
.. 61      0061 1 | X0005 - Add structure level 1
.. 62      0062 1 |
.. 63      0063 1 | **
.. 64      0064 1 |
.. 65      0065 1 |
.. 66      0066 1 LIBRARY 'SYSS$LIBRARY:LIB.L32';
.. 67      0067 1 REQUIRE 'SRC$:INIDEF.B32';
.. 68      0358 1 REQUIRE 'LIBD$: [VMSLIB.OBJ]INITMSG.B32';
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0490 1  !+
0491 1  !-
0492 1  The following are the records of the initial MFD for structure level 1.
0493 1  !-
0494 1  !-
0495 1  !-
0496 1  BIND
0497 1  INITIAL_MFD1 = PLIT (
0498 1  WORD (1, 1, 0)           ! index file
0499 1  WORD (%RAD50_1f 'INDEXF  SYS'), ! file ID
0500 1  WORD (1),           ! file name
0501 1  WORD (1),           ! version number
0502 1  !-
0503 1  !-
0504 1  WORD (2, 2, 0)           ! storage bitmap file
0505 1  WORD (%RAD50_1f 'BITMAP  SYS'), ! file ID
0506 1  WORD (1),           ! file name
0507 1  WORD (1),           ! version number
0508 1  !-
0509 1  WORD (3, 3, 0)           ! bad block file
0510 1  WORD (%RAD50_1f 'BADBLK  SYS'), ! file ID
0511 1  WORD (1),           ! file name
0512 1  WORD (1),           ! version number
0513 1  !-
0514 1  WORD (4, 4, 0)           ! MFD (itself)
0515 1  WORD (%RAD50_1f '000000  DIR'), ! file ID
0516 1  WORD (1),           ! file name
0517 1  WORD (1),           ! version number
0518 1  !-
0519 1  WORD (5, 5, 0)           ! core image file
0520 1  WORD (%RAD50_1f 'CORIMG  SYS'), ! file ID
0521 1  WORD (1),           ! file name
0522 1  WORD (1),           ! version number
0523 1  );
0524 1  !+
0525 1  !-

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```

0526 1  The following are the records of the initial MFD for structure level 2.
0527 1  !-
0528 1  !-
0529 1  !-
0530 1  BIND
0531 1  INITIAL_MFD = PLIT (
0532 1  WORD (22),           ! MFD (itself)
0533 1  WORD (1),           ! record byte count
0534 1  BYTE (0),          ! version limit
0535 1  BYTE (10),        ! flags
0536 1  BYTE ('000000.DIR'), ! name byte count
0537 1  WORD (1),         ! name string
0538 1  WORD (4, 4, 0),   ! version number
0539 1  WORD (4, 4, 0),   ! file ID
0540 1  !-
0541 1  !-
0542 1  WORD (22),           ! backup journal file
0543 1  WORD (1),           ! record byte count
0544 1  BYTE (0),          ! version limit
0545 1  BYTE (10),        ! flags
0546 1  BYTE ('BACKUP.SYS'), ! name byte count
                                ! name string

```

127	0547	1	WORD (1),	version number
128	0548	1	WORD (8, 8, 0),	file ID
129	0549	1		
130	0550	1		bad block file
131	0551	1	WORD (22),	record byte count
132	0552	1	WORD (1),	version limit
133	0553	1	BYTE (0),	flags
134	0554	1	BYTE (10),	name byte count
135	0555	1	BYTE ('BADBLK.SYS'),	name string
136	0556	1	WORD (1),	version number
137	0557	1	WORD (3, 3, 0),	file ID
138	0558	1		
139	0559	1		pending bad block log
140	0560	1	WORD (22),	record byte count
141	0561	1	WORD (1),	version limit
142	0562	1	BYTE (0),	flags
143	0563	1	BYTE (10),	name byte count
144	0564	1	BYTE ('BADLOG.SYS'),	name string
145	0565	1	WORD (1),	version number
146	0566	1	WORD (9, 9, 0),	file ID
147	0567	1		
148	0568	1		storage bitmap file
149	0569	1	WORD (22),	record byte count
150	0570	1	WORD (1),	version limit
151	0571	1	BYTE (0),	flags
152	0572	1	BYTE (10),	name byte count
153	0573	1	BYTE ('BITMAP.SYS'),	name string
154	0574	1	WORD (1),	version number
155	0575	1	WORD (2, 2, 0),	file ID
156	0576	1		
157	0577	1		standard continuation file
158	0578	1	WORD (22),	record byte count
159	0579	1	WORD (1),	version limit
160	0580	1	BYTE (0),	flags
161	0581	1	BYTE (10),	name byte count
162	0582	1	BYTE ('CONTIN.SYS'),	name string
163	0583	1	WORD (1),	version number
164	0584	1	WORD (7, 7, 0),	file ID
165	0585	1		
166	0586	1		core image file
167	0587	1	WORD (22),	record byte count
168	0588	1	WORD (1),	version limit
169	0589	1	BYTE (0),	flags
170	0590	1	BYTE (10),	name byte count
171	0591	1	BYTE ('CORIMG.SYS'),	name string
172	0592	1	WORD (1),	version number
173	0593	1	WORD (5, 5, 0),	file ID
174	0594	1		
175	0595	1		index file
176	0596	1	WORD (22),	record byte count
177	0597	1	WORD (1),	version limit
178	0598	1	BYTE (0),	flags
179	0599	1	BYTE (10),	name byte count
180	0600	1	BYTE ('INDEXF.SYS'),	name string
181	0601	1	WORD (1),	version number
182	0602	1	WORD (1, 1, 0),	file ID
183	0603	1		

INIMFD  
V04-000

```
: 184      0604  1  
: 185      0605  1  
: 186      0606  1  
: 187      0607  1  
: 188      0608  1  
: 189      0609  1  
: 190      0610  1  
: 191      0611  1  
: 192      0612  1  
: 193      0613  1  
: 194      0614  1  
: 195      0615  1
```

```
WORD (22),  
WORD (1),  
BYTE (0),  
BYTE (10),  
BYTE ('VOLSET.SYS'),  
WORD (1),  
WORD (6, 6, 0),  
  
WORD (-1)  
  
);
```

M 4  
16-Sep-1984 01:45:37  
14-Sep-1984 12:35:15

VAX-11 Bliss-32 V4.0-742  
DISK\$VMMASTER:[INIT.SRC]INIMFD.B32;1 Page 5 (2)

```
: volume set list file  
: record byte count  
: version limit  
: flags  
: name byte count  
: name string  
: version number  
: file ID  
  
! end marker
```

INI  
VOI





```

.TITLE INIMFD
.IDENT \V04-000\

.PSECT $SPLITS,NOWRT,NOEXE,2

00000014 00000
0001 0001 00004 P.AAA: .LONG 20
7A BB 00 00 23 06 3A 74 0000A .WORD 1, 1, 0
0001 0001 00012 .RAD50 \INDEXF SYS\
0002 0002 00014 .WORD 1
7A BB 00 00 51 78 0D FC 0001A .RAD50 2, 2, 0
0001 00022 .RAD50 \BITMAP SYS\
0003 0003 00024 .WORD 1
7A BB 00 00 0E 6B 0C AC 0002A .RAD50 3, 3, 0
0001 00032 .RAD50 \BADBLK SYS\
0004 0004 00034 .WORD 1
1A 7A 00 00 C0 4E C0 4E 0003A .RAD50 4, 4, 0
0001 00042 .RAD50 \000000 DIR\
0005 0005 00044 .WORD 1
7A BB 00 00 3A 4F 15 2A 0004A .RAD50 5, 5, 0
0001 00052 .RAD50 \CORIMG SYS\
00000037 00054 P.AAB: .LONG 55
0016 00058 .WORD 22
0001 0005A .WORD 1
00 0005C .BYTE 0
0A 0005D .BYTE 10
52 49 44 2E 30 30 30 30 30 30 0005E .ASCII \000000.DIR\
0001 00068 .WORD 1
0000 0004 0004 0006A .WORD 4, 4, 0
0016 00070 .WORD 22
0001 00072 .WORD 1
00 00074 .BYTE 0
0A 00075 .BYTE 10
53 59 53 2E 50 55 4B 43 41 42 00076 .ASCII \BACKUP.SYS\
0001 00080 .WORD 1
0000 0008 0008 00082 .WORD 8, 8, 0
0016 00088 .WORD 22
0001 0008A .WORD 1
00 0008C .BYTE 0
0A 0008D .BYTE 10
53 59 53 2E 4B 4C 42 44 41 42 0008E .ASCII \BADBLK.SYS\
0001 00098 .WORD 1
0000 0003 0003 0009A .WORD 3, 3, 0
0016 000A0 .WORD 22
0001 000A2 .WORD 1
00 000A4 .BYTE 0
0A 000A5 .BYTE 10
53 59 53 2E 47 4F 4C 44 41 42 000A6 .ASCII \BADLOG.SYS\
0001 000B0 .WORD 1
0000 0009 0009 000B2 .WORD 9, 9, 0
0016 000B8 .WORD 22
0001 000BA .WORD 1
00 000BC .BYTE 0
0A 000BD .BYTE 10
53 59 53 2E 50 41 4D 54 4C 42 000BE .ASCII \BITMAP.SYS\

```

```

0000 0002 0001 000C8 .WORD 1
0000 0002 0002 000CA .WORD 2, 2, 0
0016 000D0 .WORD 22
0001 000D2 .WORD 1
00 000D4 .BYTE 0
0A 000D5 .BYTE 10
53 59 53 2E 4E 49 54 4E 4F 43 000D6 .ASCII \CONTIN.SYS\
0001 000E0 .WORD 1
0000 0007 0007 000E2 .WORD 7, 7, 0
0016 000E8 .WORD 22
0001 000EA .WORD 1
00 000EC .BYTE 0
0A 000ED .BYTE 10
53 59 53 2E 47 4D 49 52 4F 43 000EE .ASCII \CORIMG.SYS\
0001 000F8 .WORD 1
0000 0005 0005 000FA .WORD 5, 5, 0
0016 00100 .WORD 22
0001 00102 .WORD 1
00 00104 .BYTE 0
0A 00105 .BYTE 10
53 59 53 2F 46 58 45 44 4E 49 00106 .ASCII \INDEXF.SYS\
0001 00110 .WORD 1
0000 0001 0001 00112 .WORD 1, 1, 0
0016 00118 .WORD 22
0001 0011A .WORD 1
00 0011C .BYTE 0
0A 0011D .BYTE 10
53 59 53 2E 54 45 53 4C 4F 56 0011E .ASCII \VOLSET.SYS\
0001 00128 .WORD 1
0000 0006 0006 0012A .WORD 6, 6, 0
FFFF 00130 .WORD -1
00132 .BLKB 2

```

```

INITIAL_MFD1= P.AAA
INITIAL_MFD= P.AAB
.EXTRN INIT_OPTIONS, MFD_LBN
.EXTRN BUFFER, WRITE_BLOCK
.PSECT $CODE$,NOWRT,2

```

```

0200 8F 50 0000' CF 007C 00000 .ENTRY INIT_MFD, Save R2,R3,R4,R5,R6 : 0616
0000' CF 0000G CF 9E 00002 MOVAB BUFFER, R6 : 0662
0000' CF 0000G CF 95 00007 TSTB INIT_OPTIONS+3 : 0664
02 78 0000B BGEQ 1$ : 0667
50 2C 0000D ASHL #2, INITIAL_MFD1-4, R0 : 0670
66 0001C MOVCS R0, INITIAL_MFD1, #0, #512, BUFFER : 0672
10 11 0001D BRB 2$ : 0672
02 78 0001F 1$: ASHL #2, INITIAL_MFD-4, R0 : 0672
50 2C 00025 MOVCS R0, INITIAL_MFD, #0, #512, BUFFER : 0672
66 0002E 2$: PUSHL R6 : 0672
56 DD 0002F PUSHL MFD_LBN : 0672
0000G CF 0000G CF DD 00031 CALLS #2, WRITE_BLOCK : 0672
02 FB 00035 RET : 0672
04 0003A

```

; Routine Size: 59 bytes, Routine Base: \$CODE\$ + 0000

: 254 0673 1  
: 255 0674 1 END  
: 256 0675 0 ELUDOM

PSECT SUMMARY

Name	Bytes	Attributes
\$SPLITS	308	NOVEC,NOWRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
\$CODES	59	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	4 0	1000	00:01.9

COMMAND QUALIFIERS

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

: Size: 59 code + 308 data bytes  
: Run Time: 00:10.9  
: Elapsed Time: 00:23.4  
: Lines/CPU Min: 3712  
: Lexemes/CPU-Min: 43611  
: Memory Used: 87 pages  
: Compilation Complete



The image displays a grid of 144 small, illegible document thumbnails arranged in 12 rows and 12 columns. Several thumbnails contain legible text labels:

- INTNDI LIS (Row 3, Column 4)
- INTMFD LIS (Row 5, Column 3)
- INTDSK LIS (Row 7, Column 1)
- INTIPAR LIS (Row 7, Column 5)
- INTITAP LIS (Row 7, Column 8)
- INTINDX LIS (Row 8, Column 4)
- INTIBIT LIS (Row 12, Column 1)