

FFFFFFFFFFFFFFFF	111	111	XXX	XXX
FFFFFFFFFFFFFFFF	111	111	XXX	XXX
FFFFFFFFFFFFFFFF	111	111	XXX	XXX
FFF	111111	111111	XXX	XXX
FFF	111111	111111	XXX	XXX
FFF	111111	111111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFFFFFFF FFF	111	111	XXX	XXX
FFFFFFFFFFFF	111	111	XXX	XXX
FFFFFFFFFFFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	1111111111	1111111111	XXX	XXX
FFF	1111111111	1111111111	XXX	XXX
FFF	1111111111	1111111111	XXX	XXX

\_\$25  
Symb  
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IOCS  
IO\_C  
IO\_C  
IO\_C  
IO\_P  
IO\_S  
KICL  
KILL  
KILL  
LB\_E  
LB\_C  
LB\_F  
LB\_H  
LB\_L  
LOCAL  
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RRRRRRRR	EEEEEEEEEE	TTTTTTTTTT	DDDDDDDD	IIIIII	RRRRRRRR	
RRRRRRRR	EEEEEEEEEE	TTTTTTTTTT	DDDDDDDD	IIIIII	RRRRRRRR	
RR RR	EE	TT	DD DD	II	RR RR	
RR RR	EE	TT	DD DD	II	RR RR	
RR RR	EE	TT	DD DD	II	RR RR	
RRRRRRRR	EEEEEEEEEE	TT	DD DD	II	RRRRRRRR	
RRRRRRRR	EEEEEEEEEE	TT	DD DD	II	RRRRRRRR	
RR RR	EE	TT	DD DD	II	RR RR	
RR RR	EE	TT	DD DD	II	RR RR	
RR RR	EE	TT	DD DD	II	RR RR	
RR RR	EEEEEEEEEE	TT	DDDDDDDD	IIIIII	RR RR	....
RR RR	EEEEEEEEEE	TT	DDDDDDDD	IIIIII	RR RR	....

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

```

1 0001 0 MODULE RETDIR (
2 0002 0
3 0003 0 LANGUAGE (BLISS32),
4 0004 0 IDENT = 'V04-000'
5 0005 1 ) =
6 0006 1 BEGIN
7 0007 1
8 0008 1 *****
9 0009 1 *
10 0010 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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26 0026 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. *
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 2
34 0034 1
35 0035 1 ABSTRACT:
36 0036 1
37 0037 1 This routine returns the resulting data from a directory
38 0038 1 operation to the user's buffer packet.
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. This routine must be called
44 0044 1 in kernel mode.
45 0045 1
46 0046 1 --
47 0047 1
48 0048 1
49 0049 1 AUTHOR: Andrew C. Goldstein, CREATION DATE: 3-Jan-1977 15:07
50 0050 1
51 0051 1 MODIFIED BY:
52 0052 1
53 0053 1 V03-002 CDS0002 Christian D. Saether 30-Dec-1983
54 0054 1 Use L_NORM linkage and BIND_COMMON macro.
55 0055 1
56 0056 1 V03-001 CDS0001 Christian D. Saether 4-May-1983
57 0057 1 Use PIC_DESC instead of DESCRIPTOR.

```

```
: 58      0058 1  !
: 59      0059 1  !
: 60      0060 1  !
: 61      0061 1  !
: 62      0062 1  !
: 63      0063 1  !
: 64      0064 1  !
: 65      0065 1  !**
: 66      0066 1
: 67      0067 1
: 68      0068 1 LIBRARY 'SYSS$LIBRARY:LIB.L32';
: 69      0069 1 REQUIRE 'SRC$:FCPDEF.B32';

V02-001 ACG0208      Andrew C. Goldstein,      12-Nov-1981  23:49
Change declaration of directory context block
Fix length checks on file name buffer

V02-000 ACG0167      Andrew C. Goldstein,      16-Apr-1980  19:27
Previous revision history moved to F11B.REV
```

```

71 1060 1 GLOBAL ROUTINE RETURN_DIR (COUNT, STRING, ABD) : L_NORM NOVALUE =
72 1061 1
73 1062 1 !++
74 1063 1
75 1064 1 FUNCTIONAL DESCRIPTION:
76 1065 1
77 1066 1 This routine returns the resulting data from a directory
78 1067 1 operation to the user's buffer packet.
79 1068 1
80 1069 1 CALLING SEQUENCE:
81 1070 1 RETURN_DIR (ARG1, ARG2, ARG3)
82 1071 1
83 1072 1 INPUT PARAMETERS:
84 1073 1 ARG1: byte count of result string
85 1074 1 ARG2: address of result string
86 1075 1 ARG3: address of buffer descriptors
87 1076 1
88 1077 1 IMPLICIT INPUTS:
89 1078 1 DIR_ENTRY: address of directory record
90 1079 1 DIR_VERSION: address of version entry
91 1080 1
92 1081 1 OUTPUT PARAMETERS:
93 1082 1 NONE
94 1083 1
95 1084 1 IMPLICIT OUTPUTS:
96 1085 1 NONE
97 1086 1
98 1087 1 ROUTINE VALUE:
99 1088 1 NONE
100 1089 1
101 1090 1 SIDE EFFECTS:
102 1091 1 result data written into buffer packet
103 1092 1
104 1093 1 --
105 1094 1
106 1095 2 BEGIN
107 1096 2
108 1097 2 MAP
109 1098 2 STRING : REF VECTOR [,BYTE], ! file string arg
110 1099 2 ABD : REF BBLOCKVECTOR [,ABD$C_LENGTH];
111 1100 2 ! descriptor arg
112 1101 2
113 1102 2 LOCAL
114 1103 2 FAO_DESC : VECTOR [2], ! FAO control string descriptor
115 1104 2 STRING_DESC : VECTOR [2]; ! FAO output string descriptor
116 1105 2
117 1106 2 BIND_COMMON;
118 1107 2
119 1108 2 DIR_CONTEXT_DEF;
120 1109 2
121 1110 2
122 1111 2 ! Build the file name string in the buffer supplied.
123 1112 2 !
124 1113 2
125 1114 2 .COUNT = 0;
126 1115 2 STRING_DESC[0] = FILENAME_LENGTH+6;
127 1116 2 STRING_DESC[1] = .STRING;

```

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```

P 1117 2 PIC_DESC ('!AC;!SW', FAO_DESC);
P 1118 $FAO (FAO_DESC,
P 1119 .COUNT,
P 1120 STRING_DESC,
P 1121 DIR_ENTRY[DIR$B_NAMECOUNT],
P 1122 .DIR_VERSION[DIR$W_VERSION]
P 1123 );
P 1124
P 1125 ! If the user provided a result length buffer, give him the length
P 1126 ! of the result string.
P 1127 !
P 1128
P 1129 IF .ABD[ABD$C_RES], ABD$W_COUNT] GEQ 2
P 1130 THEN
P 1131 BEGIN
P 1132 (.ABD[ABD$C_RES], ABD$W_TEXT] + ABD[ABD$C_RES], ABD$W_TEXT] + 1)<0,16> = ..COUNT;
P 1133 END;
P 1134
P 1135 ! If the user provided a result string buffer, return as much of the
P 1136 ! result string as will fit (zero filling the buffer).
P 1137 !
P 1138
P 1139 CH$COPY (..COUNT, .STRING, 0,
P 1140 .ABD[ABD$C_RES], ABD$W_COUNT],
P 1141 .ABD[ABD$C_RES], ABD$W_TEXT] + ABD[ABD$C_RES], ABD$W_TEXT] + 1);
P 1142
P 1143 1 END;

```

! end of routine RETURN\_DIR

				.TITLE	RETDIR	
				.IDENT	\V04-000\	
				.PSECT	\$CODE\$,NOWRT,2	
00	57	53	21	3B	43	41
				21	00000	P.AAA:
				.ASCII	\!AC;!SW\<0>	:
				.EXTRN	SYSS\$FAO	
				.ENTRY	RETURN_DIR, Save R2,R3,R4,R5	: 1060
	5E			SUBL2	#12, SP	:
	50	00DC	0C	CA	9E 00005	: 1104
		04	BC	D4	0000A	: 1114
	7E	56	8F	9A	0000D	: 1115
	04	AE	08	AC	D0 00011	: 1116
	08	AE	07	D0	00016	: 1117
	0C	AE	DB	AF	9E 0001A	
		7E	0C	B0	32 0001F	: 1123
7E	08	A0	05	C1	00023	
			08	AE	9F 00028	
			04	AC	DD 0002B	
			18	AE	9F 0002E	
00000000G	00		05	FB	00031	
	50	0C	AC	D0	00038	: 1129
	02	1A	A0	B1	0003C	
			0F	1F	00040	
	51	18	A0	9E	00042	: 1132
	50		61	3C	00046	:

```

          9E      01 A140 9F 00049      PUSHAB 1(R1)[R0]
          51      04  BC  B0 0004D      MOVW  @COUNT, @(SP)+
          52      0C  AC  D0 00051 1$:  MOVL  ABD, R1
          50      20  A1  9E 00055      MOVAB 32(R1), R2
          BC      04  BC  3C 00059      MOVZWL (R2), R0
          01 A240 2C 0005C      MOVCS @COUNT, @STRING, #0, 34(R1), 1(R2)[R0]
          04 00064      RET
          04 00067
    
```

: Routine Size: 104 bytes, Routine Base: \$CODE\$ + 0008

```

: 155      1144 1
: 156      1145 1 END
: 157      1146 0 ELUDOM
    
```

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	112	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	25 0	1000	00:02.0

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LISS\$:RETDIR/OBJ=OBJ\$:RETDIR MSRC\$:RETDIR/UPDATE=(ENHS:RETDIR)

```

: Size:      104 code + 8 data bytes
: Run Time:   00:16.0
: Elapsed Time: 00:34.4
: Lines/CPU Min: 4310
: Lexemes/CPU-Min: 54951
: Memory Used: 196 pages
: Compilation Complete
    
```

A large grid of small, illegible text blocks, likely representing a list of system components or parameters. The text is too faint to be transcribed accurately across the entire grid.

RWB  
LIS

ROBLOK  
LIS

REQULI  
LIS

RWATR  
LIS

REMOVE  
LIS

ROHDR  
LIS

RETDTR  
LIS