





```
1 0001 0
2 0002 0 MODULE GETFIB (LANGUAGE (BLISS32) ,
3 0003 0 IDENT = 'V04-000'
4 0004 0 ) =
5 0005 1 BEGIN
6 0006 1
7 0007 1 *****
8 0008 1 *
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26 0026 1 *
27 0027 1 *
28 0028 1 *****
29 0029 1
30 0030 1 ++
31 0031 1
32 0032 1 FACILITY: MTAACP
33 0033 1
34 0034 1 ABSTRACT:
35 0035 1
36 0036 1 This routine obtains the address of the fib for this operation.
37 0037 1
38 0038 1 ENVIRONMENT:
39 0039 1
40 0040 1 Starlet operating system, including privileged system services
41 0041 1 and internal exec routines.
42 0042 1
43 0043 1 --
44 0044 1
45 0045 1
46 0046 1
47 0047 1 AUTHOR: D. H. GILLESPIE, CREATION DATE: 11-MAY-1977 01:02
48 0048 1
49 0049 1 MODIFIED BY:
50 0050 1
51 0051 1 V02-002 REFORMAT Maria del C. Nasr 30-Jun-1980
52 0052 1
53 0053 1
54 0054 1 **
55 0055 1
56 0056 1 LIBRARY 'SYSS$LIBRARY:LIB.L32';
57 0057 1
```



```
61 0443 1 GLOBAL ROUTINE GET_FIB (ABD) : COMMON_CALL =
62 0444 1
63 0445 1 ++
64 0446 1
65 0447 1 FUNCTIONAL DESCRIPTION:
66 0448 1
67 0449 1 This routine obtains the address of the fib for this operation.
68 0450 1 If a file is already accessed and fid is given than it must be that of the
69 0451 1 accessed file. A copy is made in user space.
70 0452 1
71 0453 1 CALLING SEQUENCE:
72 0454 1 GET_FIB (ARG1)
73 0455 1
74 0456 1 INPUT PARAMETERS:
75 0457 1 ARG1 : address of buffer descriptor list
76 0458 1
77 0459 1 IMPLICIT INPUTS:
78 0460 1 CURRENT_WCB : address of user's window or 0
79 0461 1
80 0462 1 OUTPUT PARAMETERS:
81 0463 1 none
82 0464 1
83 0465 1 IMPLICIT OUTPUTS:
84 0466 1 none
85 0467 1
86 0468 1 ROUTINE VALUE:
87 0469 1 address of fib
88 0470 1
89 0471 1 SIDE EFFECTS:
90 0472 1 fid checked
91 0473 1
92 0474 1 USER ERRORS:
93 0475 1 SSS_INSFARG - insufficient arguments
94 0476 1 SSS_BADPARAM - bad input parameters
95 0477 1
96 0478 1 --
97 0479 1
98 0480 2 BEGIN
99 0481 2
100 0482 2 EXTERNAL REGISTER
101 0483 2 COMMON_REG;
102 0484 2
103 0485 2 MAP
104 0486 2 ABD : REF BBLOCKVECTOR [, ABD$C_LENGTH]; ! buffer descriptors
105 0487 2
106 0488 2 LOCAL
107 0489 2 FIB : REF BBLOCK, ! address of fib
108 0490 2 FIBL; ! length of user fib
109 0491 2
110 0492 2 EXTERNAL
111 0493 2 LOCAL_FIB : BBLOCK, ! internal copy of user fib
112 0494 2 IO_PACKET : REF BBLOCK, ! address of current io request packet
113 0495 2 CURRENT_WCB : REF BBLOCK; ! user's window
114 0496 2
115 0497 2 BIND
116 0498 2 LOC_FID = LOCAL_FIB[FIB$W_FID];
117 0499 2
```

```

118 0500 : get the length of the user-supplied fib.
119 0501 :
120 0502 FIBL = .ABD[ABD$C FIB, ABD$W COUNT];
121 0503 FIB = .ABD[ABD$C FIB, ABD$W TEXT] + ABD[ABD$C FIB, ABD$W TEXT] + 1;
122 0504 CH$COPY(.FIBL, .FIB, 0, FIB$K_MTALEN, LOCAL_FIB);
123 0505 :
124 0506 : if file open, the input fid must request same file
125 0507 :
126 0508 IF .CURRENT_WCB NEQ 0
127 0509 THEN
128 0510 BEGIN
129 0511
130 0512 IF .FIBL NEQ 0
131 0513 AND
132 0514 .FIBL LSS FIB$C_ACCDATA
133 0515 THEN
134 0516 ERR_EXIT(SS$_INSFARG);
135 0517
136 0518 IF .LOCAL_FIB[FIB$W_FID_NUM] EQL 0
137 0519 THEN
138 0520 BEGIN
139 0521 LOC_FID<0, 16> = .CURRENT_VCB[VCB$W_CUR_NUM];
140 0522 LOC_FID<16, 16> = 1; ! always return seq = 1
141 0523 LOCAL_FIB[FIB$W_FID_RVN] = .CURRENT_VCB[VCB$W_RVN];
142 0524 END;
143 0525
144 0526 IF .CURRENT_VCB[VCB$W_CUR_NUM] NEQ .LOC_FID<0, 16>
145 0527 THEN
146 0528 ERR_EXIT(SS$_BADPARAM);
147 0529
148 0530 END
149 0531
150 0532 : If there is no file open, there must be a minimum fib.
151 0533 :
152 0534 ELSE
153 0535 BEGIN
154 0536
155 0537 IF .FIBL LSS FIB$C_ACCDATA
156 0538 THEN
157 0539 ERR_EXIT(SS$_INSFARG);
158 0540
159 0541 END;
160 0542 RETURN LOCAL_FIB;
161 0543
162 0544
163 0545 END;

```

! end of routine get\_fib

```

.TITLE GETFIB
.IDENT \V04-000\

.EXTRN LOCAL_FIB, IO_PACKET
.EXTRN CURRENT_WCB

.PSECT $CODE$,NOWRT,2

.ENTRY GET_FIB, Save R2,R3,R4,R5,R6,R7

```

00FC 0000

: 0443

	57	0000G	CF	9E	00002	MOVAB	LOCAL_FIB+4, R7	
	50	04	AC	D0	00007	MOVL	ABD, R0	: 0502
	56	0A	A0	3C	0000B	MOVZWL	10(R0), FIBL	
	51	08	A0	9E	0000F	MOVAB	8(R0), R1	: 0503
	50		61	3C	00013	MOVZWL	(R1), R0	
1C	50	01	A140	9E	00016	MOVAB	1(R1)[R0], FIB	
	60		56	2C	0001B	MOVCS	FIBL, (FIB), #0, #28, LOCAL_FIB	: 0504
		FC	A7		00020			
		0000G	CF	D5	00022	TSTL	CURRENT_WCB	: 0508
			28	13	00026	BEQL	3\$	
			56	D5	00028	TSTL	FIBL	: 0512
			09	13	0002A	BEQL	1\$	
	0A		56	D1	0002C	CMPL	FIBL, #10	: 0514
			04	18	0002F	BGEQ	1\$	
		0114	8F	BF	00031	CHMU	#276	: 0516
			67	B5	00035	TSTW	LOCAL_FIB+4	: 0518
			0D	12	00037	BNEQ	2\$	
	67	24	AB	B0	00039	MOVW	36(CURRENT_VCB), LOC_FID	: 0521
02	A7		01	B0	0003D	MOVW	#1, LOC_FID+2	: 0522
04	A7	0E	AB	B0	00041	MOVW	14(CURRENT_VCB), LOCAL_FIB+8	: 0523
	67	24	AB	B1	00046	CMPL	36(CURRENT_VCB), LOC_FID	: 0526
			0D	13	0004A	BEQL	4\$	
			14	BF	0004C	CHMU	#20	: 0528
			09	11	0004E	BRB	4\$	: 0508
	0A		56	D1	00050	CMPL	FIBL, #10	: 0537
			04	18	00053	BGEQ	4\$	
		0114	8F	BF	00055	CHMU	#276	: 0539
	50	FC	A7	9E	00059	MOVAB	LOCAL_FIB, R0	: 0543
			04	0005D	RET			: 0545

: Routine Size: 94 bytes, Routine Base: \$CODE\$ + 0000

```

: 164      0546 1
: 165      0547 1 END
: 166      0548 1
: 167      0549 0 ELUDOM

```

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	94	NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

File	----- Symbols -----		Pages Mapped	Processing Time
	Total	Loaded Percent		





