

[illegible]

EXE

Mod

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EDSYS
LIB

L18

```
CCCCCCCC  AAAAAA  LL      LL      FFFFFFFF  IIIIII  000000
CCCCCCCC  AAAAAA  LL      LL      FFFFFFFF  IIIIII  000000
CC         AA      AA  LL      LL      FF      II      00      00
CC         AA      AA  LL      LL      FF      II      00      00
CC         AA      AA  LL      LL      FF      II      00      00
CC         AA      AA  LL      LL      FF      II      00      00
CC         AA      AA  LL      LL      FFFFFFFF  II      00      00
CC         AA      AA  LL      LL      FFFFFFFF  II      00      00
CC         AAAAAA  LL      LL      FF      II      00      00
CC         AAAAAA  LL      LL      FF      II      00      00
CC         AA      AA  LL      LL      FF      II      00      00
CC         AA      AA  LL      LL      FF      II      00      00
CCCCCCCC  AA      AA  LLLLLLLLLL  LLLLLLLLLL  FF      IIIIII  000000
CCCCCCCC  AA      AA  LLLLLLLLLL  LLLLLLLLLL  FF      IIIIII  000000
                                     ....
                                     ....
                                     ....
                                     ....

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
```

:
:
:


```
0001 0 %TITLE 'EDT$CALLFIO - calls fileio routine'
0002 0 MODULE EDT$CALLFIO ( ! Calls file I/O routine for EDT
0003 0 IDENT = 'V04-000' ! File: CALLFIO.BLI Edit: JBS1008
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0025 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 This routine calls the basic file i/o routine used by EDT.
0037 1
0038 1 ENVIRONMENT: Runs on Vax/Vms
0039 1
0040 1 AUTHOR: Shelly T. Solomon, CREATION DATE: 03-Jan-1982
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original. STS 03-Jan-1982
0045 1 1-002 - Add fcode to the enabled parameters. STS 25-Feb-1982
0046 1 1-003 - Signal if bad status returned on VMS. STS 09-Mar-1982
0047 1 1-003 - Deallocate everything you can if unwinding. STS 09-Mar-1982
0048 1 1-004 - Clear EDT$$G IOFI_NFND before calling file I/O. JBS 26-Mar-1982
0049 1 1-006 - Take out reference to edt$$a file rout on 11's. STS 02-Jun-1982
0050 1 1-007 - Don't try to deallocate strings which may not be there. JBS 22-Feb-1983
0051 1 1-008 - Improve the appearance of the listing. JBS 13-Jun-1983
0052 1 --
0053 1
```

EDT\$CALLFIO
V04-000

EDT\$CALLFIO - calls fileio routine
Declarations

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```

55      0054 1 %SBTTL 'Declarations'
56      0055 1
57      0056 1 | TABLE OF CONTENTS:
58      0057 1 |
59      0058 1
60      0059 1 REQUIRE 'EDT$SRC:TRAROUNAM';
61      0498 1
62      0499 1 FORWARD ROUTINE
63      0500 1     EDT$CALLFIO;
64      0501 1
65      0502 1 |
66      0503 1 | LINKAGES
67      0504 1 |
68      0505 1
69      0506 1 LINKAGE
70      0507 1     IOCALL = CALL (REGISTER = 1);           ! special linkage for file routine
71      0508 1
72      0509 1 |
73      0510 1 | INCLUDE FILES:
74      0511 1 |
75      0512 1
76      0513 1 REQUIRE 'EDT$SRC:EDTREQ';
77      0648 1
78      L 0649 1 %IF %BLISS (BLISS32)
79      0650 1 %THEN
80      0651 1
81      0652 1 REQUIRE 'EDT$SRC:SYSSYM';
82      0682 1
83      0683 1 %FI
84      0684 1
85      0685 1 |
86      0686 1 | MACROS:
87      0687 1 |
88      0688 1 |     NONE
89      0689 1 |
90      0690 1 | EQUATED SYMBOLS:
91      0691 1 |
92      0692 1
93      0693 1 EXTERNAL LITERAL
94      0694 1     EDT$K_GET;
95      0695 1
96      0696 1 |
97      0697 1 | OWN STORAGE:
98      0698 1 |
99      0699 1 |     NONE
100     0700 1
101     0701 1 | EXTERNAL REFERENCES:
102     0702 1 |
103     0703 1 | in the routine
104     0704 1 |
```



```
106 0705 1 %SBTTL 'EDT$CALLFIO - Calls EDT file routine'
107 0706 1
108 0707 1 GLOBAL ROUTINE EDT$CALLFIO (
109 0708 1     FILECODE,           ! Calls EDT file routine
110 0709 1     FILESTRM,        ! Function code
111 0710 1     FILE_REC,        ! Stream identification
112 0711 1     FILE_RHB,        ! File name or record descriptor
113 0712 1     ) : =           ! Default name or record header descriptor
114 0713 1
115 0714 1 ++
116 0715 1 FUNCTIONAL DESCRIPTION:
117 0716 1
118 0717 1 This routine sets up a condition handler and then calls the designated
119 0718 1 file I/O routine.
120 0719 1
121 0720 1 FORMAL PARAMETERS:
122 0721 1
123 0722 1 filecode = function code defining type of I/O operation to be performed
124 0723 1 filestream = stream identifier
125 0724 1 file_rec = address of string descriptor, i.e. the file name or place to store
126 0725 1 record read or place to fetch record to be written
127 0726 1 file_rhb = address of string descriptor for any record prefixes
128 0727 1
129 0728 1 IMPLICIT INPUTS:
130 0729 1
131 0730 1     NONE
132 0731 1
133 0732 1 IMPLICIT OUTPUTS:
134 0733 1
135 0734 1     EDT$$G_IOFI_NFND      1 = file not found on open
136 0735 1
137 0736 1 COMPLETION STATUS:
138 0737 1
139 0738 1     Same as the file I/O routine
140 0739 1
141 0740 1 SIDE EFFECTS:
142 0741 1
143 0742 1     NONE
144 0743 1
145 0744 1 --
146 0745 1
147 0746 2 BEGIN
148 0747 2
149 L 0748 2 %IF %BLISS (BLISS32)
150 0749 2 %THEN
151 0750 2
152 0751 2 EXTERNAL ROUTINE
153 0752 2     STR$FREE1 DX,
154 0753 2     EDT$$SC RESET,
155 0754 2     EDT$$DEA ALLHEAP,
156 0755 2     EDT$$FIOENDLR;
157 0756 2
158 0757 2 EXTERNAL
159 0758 2     EDT$$A_FILE_ROUT,    ! address of routine for file I/O
160 0759 2     EDT$$G_FILE_ENV,    ! file routine environment word
161 0760 2     EDT$$G_EDIT_MOD;
162 0761 2
```

EDT\$CALLFIO
V04-000

EDT\$CALLFIO - calls fileio routine
EDT\$CALLFIO - Calls EDT file routine

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```
: 163      U 0762  2 %ELSE
: 164      UU 0763  2
: 165      UU 0764  2      EXTERNAL ROUTINE
: 166      UU 0765  2      EDT$FILEIO;
: 167      U 0766  2
: 168      0767  2 %FI
: 169      0768  2
: 170      0769  2      EXTERNAL
: 171      0770  2      EDT$$G_IOFI_NFND;          ! 1 = file not found (set by handler)
: 172      0771  2
: 173      0772  2      MESSAGES ((PASSTATUS));
: 174      0773  2
: 175      0774  2      LOCAL
: 176      0775  2      STATUS;
: 177      0776  2
: 178      L 0777  2 %IF %BLISS (BLISS32)
: 179      0778  2 %THEN
: 180      0779  2
: 181      0780  2      LOCAL
: 182      0781  2      FCODE : VOLATILE,
: 183      0782  2      STREAM : VOLATILE;
: 184      0783  2
: 185      0784  2      ENABLE
: 186      0785  2      EDT$$FIOHNDLR (STREAM, FCODE);          ! on VAX enable a handler for error processing
: 187      0786  2
: 188      0787  2      STREAM = .FILESTRM;
: 189      0788  2      FCODE = .FILECODE;
: 190      0789  2 %FI
: 191      0790  2
: 192      0791  2      EDT$$G_IOFI_NFND = 0;
: 193      0792  2
: 194      0793  2      +
: 195      0794  2      The following call is a general routine call using the linkage defined
: 196      0795  2      as iocall. i.e. what is happening is that a call is being made to the
: 197      0796  2      routine whose address is contained in the variable EDT$$A_FILE_ROUT.
: 198      0797  2      The contents of the variable EDT$$G_FILE_ENV is first put into register 1
: 199      0798  2      for the call. (This is done because of the requirements of callable EDT
: 200      0799  2      where the user can specify his own file routine and some high-level
: 201      0800  2      languages require an environment word to be passed in register 0.)
: 202      0801  2      The remaining four parameters in the list are the actual parameters
: 203      0802  2      passed to the file I/O routine.
: 204      0803  2      -
: 205      L 0804  2 %IF %BLISS (BLISS32)
: 206      0805  2 %THEN
: 207      0806  2      STATUS = IOCALL (.EDT$$A_FILE_ROUT, .EDT$$G_FILE_ENV, %REF (.FILECODE), %REF (.FILESTRM), .FILE_REC,
: 208      0807  2      .FILE_RHB);
: 209      U 0808  2 %ELSE
: 210      U 0809  2      STATUS = EDT$FILEIO (%REF (.FILECODE), %REF (.FILESTRM), .FILE_REC, .FILE_RHB);
: 211      0810  2 %FI
: 212      0811  2
: 213      L 0812  2 %IF %BLISS (BLISS32)
: 214      0813  2 %THEN          ! on VMS signal any bad status returned
: 215      0814  2
: 216      0815  2      IF ( NOT .STATUS)
: 217      0816  2      THEN
: 218      0817  2
: 219      0818  2      IF ((.STATUS NEQ RMSS_EOF) OR (.FILECODE NEQ EDT$K_GET))
```


EDT\$CALLFIO
V04-000

EDT\$CALLFIO - calls fileio routine
EDT\$CALLFIO - calls EDT file routine

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```
0819 2 THEN  
0820 2 BEGIN  
0821 2  
0822 2 !+ Deallocate as much as you can - this is going to be an  
0823 2 !- exit from EDT.  
0824 2  
0825 2  
0826 2 IF (.EDT$$G_EDIT_MOD EQL CHANGE_MODE) THEN EDT$$SC_RESET ();  
0827 2  
0828 2 EDT$$DEA_ALLHEAP ();  
0829 2 SIGNAL_STOP (EDT$_PASSTATUS, 0, .STATUS, 0);  
0830 2 END;  
0831 2  
0832 2 %FI  
0833 2  
0834 2 RETURN (.STATUS);  
0835 1 END;
```

! End of routine CALLFIO

.TITLE EDT\$CALLFIO EDT\$CALLFIO - calls fileio routine
.IDENT \V04-000\

.EXTRN EDT\$K_GET, STR\$FREE1 DX
.EXTRN EDT\$\$SC_RESET, EDT\$\$DEA_ALLHEAP
.EXTRN EDT\$\$FIOHNDLR, EDT\$\$A_FILE_ROUT
.EXTRN EDT\$\$G_FILE_ENV
.EXTRN EDT\$\$G_EDIT_MOD
.EXTRN EDT\$\$G_IOFI_NFND
.EXTRN EDT\$_PASSTATUS

.PSECT _EDT\$CODE, NOWRT, SHR, PIC, 2

.ENTRY EDT\$\$CALLFIO, Save R2

SUBL2 #16, SP
CLRQ STREAM
MOVAL 4\$, (FP)
MOVL FILESTRM, STREAM
MOVL FILECODE, FCODE
CLRQ EDT\$\$G_IOFI_NFND
MOVL EDT\$\$A_FILE_ROUT, R0
MOVQ FILE_REC, -7(SP)
MOVL FILESTRM, 12(SP)
PUSHAB 12(SP)
MOVL FILECODE, 12(SP)
PUSHAB 12(SP)
MOVL EDT\$\$G_FILE_ENV, R1
CALLS #4, (R0)
MOVL R0, STATUS
BLBS STATUS, 3\$
CMPL STATUS, #98938
BNEQ 1\$
CMPL FILECODE, #EDT\$K_GET
BEQL 3\$
TSTL EDT\$\$G_EDIT_MOD
BNEQ 2\$
CALLS #0, EDT\$\$SC_RESET
CALLS #0, EDT\$\$DEA_ALLHEAP

```
0004 00000  
5E 10 C2 00002  
08 AE 7C 00005  
6D 007C CF DE 00008  
08 AE 08 AC D0 0000D  
OC AE 04 AC D0 00012  
00000000G 00 D4 00017  
50 00000000G 00 D0 0001D  
7E 0C AC 7D 00024  
OC AE 08 AC D0 00028  
0C AE 0C AE 9F 0002D  
0C AE 04 AC D0 00030  
0C AE 0C AE 9F 00035  
51 00000000G 00 D0 00038  
60 04 FB 0003F  
52 50 D0 00042  
3C 52 E8 00045  
0001827A 8F 52 D1 00048  
0A 12 0004F  
00000000G 8F 04 AC D1 00051  
29 13 00059  
00000000G 00 D5 0005B 1$:  
07 12 00061  
00000000G 00 00 FB 00063  
00000000G 00 00 FB 0006A 2$:
```

0707
0746
0787
0788
0791
0806
0815
0818
0826
0828

EDT\$CALLFIO
V04-000

EDT\$CALLFIO - calls fileio routine
EDT\$CALLFIO - Calls EDT file routine

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VAX-11 Bliss-32 V4.0-742
DISK\$VM\$MASTER:[EDT.SRC]CALLFIO.BLI;1

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00000000G	00	00000000G	7E	D4	00071	CLRL	-(SP)	:	0829
	50		52	DD	00073	PUSHL	STATUS	:	
			7E	D4	00075	CLRL	-(SP)	:	
			8F	DD	00077	PUSHL	#EDT\$ PASSTATUS	:	
			04	FB	0007D	CALLS	#4, LIB\$STOP	:	
			52	DO	00084	MOVL	STATUS, R0	:	0834
			04	00087	RET			:	0835
			0000	00088	4\$:	.WORD	Save nothing	:	0746
	50	08	AC	DO	0008A	MOVL	8(AP), R0	:	
	50	04	A0	DO	0008E	MOVL	4(R0), R0	:	
		FC	A0	9F	00092	PUSHAB	FCODE	:	
		F8	A0	9F	00095	PUSHAB	STREAM	:	
			02	DD	00098	PUSHL	#2	:	
			5E	DD	0009A	PUSHL	SP	:	
00000000G	7E	04	AC	7D	0009C	MOVQ	4(AP), -(SP)	:	
	00		03	FB	000A0	CALLS	#3, EDT\$\$FIOHNDLR	:	
			04	000A7	RET			:	

; Routine Size: 168 bytes, Routine Base: _EDT\$CODE + 0000

: 237 0836 1
: 238 0837 1 !<BLF/PAGE>

EDT\$CALLFIO
V04-000

EDT\$CALLFIO - calls fileio routine
EDT\$CALLFIO - calls EDT file routine

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VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]CALLFIO.BLI;1 Page 7 (4)

: 240 0838 1 END
: 241 0839 1
: 242 0840 0 ELUDOM

! End of module CALLFIO

.EXTRN LIB\$STOP

PSECT SUMMARY

: Name Bytes Attributes
: _EDT\$CODE 168 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
-\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	2	0	40	00:00.2
-\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1
-\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	1	0	581	00:04.1

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LISS:CALLFIO/OBJ=OBJ\$:CALLFIO MSRC\$:CALLFIO.BLI/UPDATE=(ENHS:CALLFIO
:)

: Size: 168 code + 0 data bytes
: Run Time: 00:18.2
: Elapsed Time: 00:28.5
: Lines/CPU Min: 2763
: Lexemes/CPU-Min: 7394
: Memory Used: 90 pages
: Compilation Complete

0130 AH-BT13A-SE
VAX/VMS V4.0

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