


```
CCCCCCCC  AAAAAA  LL      LL      WW      WW      IIIIII  000000
CCCCCCCC  AAAAAA  LL      LL      WW      WW      IIIIII  000000
CC        AA      AA  LL      LL      WW      WW      II      00      00
CC        AA      AA  LL      LL      WW      WW      II      00      00
CC        AA      AA  LL      LL      WW      WW      II      00      00
CC        AA      AA  LL      LL      WW      WW      II      00      00
CC        AA      AA  LL      LL      WW      WW      II      00      00
CC        AA      AA  LL      LL      WW      WW      II      00      00
CC        AA      AA  LL      LL      WW      WW      II      00      00
CC        AA      AA  LL      LL      WWW     WWW     II      00      00
CC        AA      AA  LL      LL      WWW     WWW     II      00      00
CC        AA      AA  LL      LL      WWW     WWW     II      00      00
CCCCCCCC  AA      AA  LLLLLLLLLL LLLLLLLLLL WW      WW      IIIIII  000000
CCCCCCCC  AA      AA  LLLLLLLLLL LLLLLLLLLL WW      WW      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
```

```

1 0001 0 %TITLE 'EDT$CALLWIO - calls WORKIO routine'
2 0002 0 MODULE EDT$CALLWIO ( ! Calls work I/O routine for EDT
3 0003 0 IDENT = 'V04-000' ! File: CALLWIO.BLI Edit: JBS1007
4 0004 0 ) =
5 0005 1 BEGIN
6 0006 1
7 0007 1 *****
8 0008 1 *
9 0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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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: EDT -- The DEC Standard Editor
33 0033 1
34 0034 1 ABSTRACT:
35 0035 1
36 0036 1 This routine calls the basic work I/O routine used by EDT.
37 0037 1
38 0038 1 ENVIRONMENT: Runs on Vax/Vms
39 0039 1
40 0040 1 AUTHOR: Shelly T. Solomon, CREATION DATE: 27-Jan-1982
41 0041 1
42 0042 1 MODIFIED BY:
43 0043 1
44 0044 1 1-001 - Original. STS 27-Jan-1982
45 0045 1 1-002 - Signal bad status returned. STS 09-Mar-1982
46 0046 1 1-003 - Deallocate as much as possible if signalling. STS 09-Mar-1982
47 0047 1 1-004 - Don't enable a handler. STS 18-Mar-1982
48 0048 1 1-005 - Take out reference to work_rout on 11's. STS 02-Jun-1982
49 0049 1 1-006 - Enable a handler. STS 21-Jul-1982
50 0050 1 1-007 - Improve the appearance of the listing. JBS 13-Jun-1983
51 0051 1 --
52 0052 1

```

EDT\$CALLWIO
V04-000

EDT\$CALLWIO - calls WORKIO routine
Declarations

G 8
15-Sep-1984 23:43:42
14-Sep-1984 12:22:18

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]CALLWIO.BLI;1 Page 2 (2)

```
54 0053 1 %SBTTL 'Declarations'
55 0054 1
56 0055 1 : TABLE OF CONTENTS:
57 0056 1 :
58 0057 1
59 0058 1 REQUIRE 'EDTSRC:TRAROUNAM';
60 0497 1
61 0498 1 FORWARD ROUTINE
62 0499 1 EDT$CALLWIO;
63 0500 1
64 0501 1 :
65 0502 1 : LINKAGES
66 0503 1 :
67 0504 1
68 0505 1 LINKAGE
69 0506 1 IOCALL = CALL (REGISTER = 1); ! special linkage for work routine
70 0507 1
71 0508 1 :
72 0509 1 : INCLUDE FILES:
73 0510 1 :
74 0511 1
75 0512 1 REQUIRE 'EDTSRC:EDTREQ';
76 0647 1
77 L 0648 1 %IF %BLISS (BLISS32)
78 0649 1 %THEN
79 0650 1
80 0651 1 REQUIRE 'EDTSRC:SYSSYM';
81 0681 1
82 0682 1 %FI
83 0683 1
84 0684 1 :
85 0685 1 : MACROS:
86 0686 1 :
87 0687 1 : NONE
88 0688 1 :
89 0689 1 : EQUATED SYMBOLS:
90 0690 1 :
91 0691 1 : NONE
92 0692 1 :
93 0693 1 : EXTERNAL REFERENCES:
94 0694 1 :
95 0695 1 : in the routine
96 0696 1 :
```

```

98 0697 1 %SBTTL 'EDT$CALLWIO - Calls EDT work I/O routine'
99 0698 1
100 0699 1 GLOBAL ROUTINE EDT$$CALLWIO (           ! Calls EDT work I/O routine
101 0700 1     CODE,                               ! Operation code
102 0701 1     RECORD_NO,                          ! Record number
103 0702 1     RECORD_DESC,                        ! Record descriptor
104 0703 1     ) : =
105 0704 1
106 0705 1
107 0706 1 **
108 0707 1 ** FUNCTIONAL DESCRIPTION:
109 0708 1 This routine sets up a condition handler and then calls the designated
110 0709 1 work I/O routine.
111 0710 1
112 0711 1 ** FORMAL PARAMETERS:
113 0712 1
114 0713 1 CODE - the operation to be performed, whether open, close, read or write
115 0714 1
116 0715 1 RECORD_NO - the number of the record to be read or put
117 0716 1
118 0717 1 RECORD_DESC - a descriptor pointing to the place to put the record read, or
119 0718 1 to find the record written
120 0719 1
121 0720 1 ** IMPLICIT INPUTS:
122 0721 1
123 0722 1     NONE
124 0723 1
125 0724 1 ** IMPLICIT OUTPUTS:
126 0725 1
127 0726 1     NONE
128 0727 1
129 0728 1 ** COMPLETION STATUS:
130 0729 1
131 0730 1     Same as WORKIO
132 0731 1
133 0732 1 ** SIDE EFFECTS:
134 0733 1
135 0734 1     NONE
136 0735 1
137 0736 1 --
138 0737 1
139 0738 2     BEGIN
140 0739 2
141 L 0740 2 %IF %BLISS (BLISS32)
142 0741 2 %THEN
143 0742 2
144 0743 2     EXTERNAL ROUTINE
145 0744 2     EDT$$WIOHDLR,
146 0745 2     EDT$$SC RESET,
147 0746 2     EDT$$DEX ALLHEAP,
148 0747 2     STR$FREET_DX;
149 0748 2
150 0749 2     EXTERNAL
151 0750 2     EDT$$A_WORK_ROUT,           ! address of routine for work I/O
152 0751 2     EDT$$G_WORK_ENV,         ! file routine environment word
153 0752 2     EDT$$G_EDIT_MOD;
154 0753 2

```

```
155 U 0754 2 %ELSE
156 U 0755 2
157 U 0756 2 EXTERNAL ROUTINE
158 U 0757 2 EDT$WORKIO;
159 U 0758 2
160 0759 2 %FI
161 0760 2
162 0761 2 LOCAL
163 0762 2 STATUS;
164 0763 2
165 0764 2 MESSAGES ((PASSTATUS));
166 0765 2
167 0766 2 |* The following call is a general routine call using the linkage defined
168 0767 2 |* as iocall. i.e. what is happening is that a call is being made to the
169 0768 2 |* routine whose address is contained in the variable EDT$$A_WORK_ROUT.
170 0769 2 |* The contents of the variable EDT$$G_WORK_ENV is first put into register 1
171 0770 2 |* for the call. (This is done because of the requirements of callable EDT
172 0771 2 |* where the user can specify his own work routine and some high-level
173 0772 2 |* languages require an environment word to be passed in register 0.)
174 0773 2 |* The remaining three parameters in the list are the actual parameters
175 0774 2 |* passed to the work I/O routine.
176 0775 2 |*
177 0776 2
178 L 0777 2 %IF %BLISS (BLISS32)
179 0778 2 %THEN
180 0779 2
181 0780 2 ENABLE
182 0781 2 EDT$$WIOHNDLR ();
183 0782 2
184 0783 2 STATUS = IOCALL (.EDT$$A_WORK_ROUT, .EDT$$G_WORK_ENV, %REF (.CODE), .RECORD_NO, .RECORD_DESC);
185 U 0784 2 %ELSE
186 U 0785 2 STATUS = EDT$WORKIO (%REF (.CODE), .RECORD_NO, .RECORD_DESC);
187 0786 2 %FI
188 0787 2
189 L 0788 2 %IF %BLISS (BLISS32)
190 0789 2 %THEN
191 0790 2
192 0791 2 IF ( NOT .STATUS)
193 0792 2 THEN
194 0793 2 BEGIN
195 0794 2
196 0795 2 IF (.EDT$$G_EDIT_MOD EQL CHANGE_MODE) THEN EDT$$SC_RESET ();
197 0796 2
198 0797 2 STR$FREE1 DX (.RECORD_DESC);
199 0798 2 EDT$$DEA ALLHEAP ();
200 0799 2 SIGNAL_STOP (EDT$_PASSTATUS, 0, .STATUS, 0);
201 0800 2 END;
202 0801 2
203 0802 2 %FI
204 0803 2
205 0804 2 RETURN (.STATUS);
206 0805 1 END;
```

! End of routine CALLWIO

.TITLE EDT\$CALLWIO EDT\$CALLWIO - calls WORKIO routine
.IDENT \V04-000\

				0004 00000	.EXTRN	EDT\$\$WIOHNDLR, EDT\$\$SC_RESET	
					.EXTRN	EDT\$\$DEA_ALLHEAP	
					.EXTRN	STR\$FREET DX, EDT\$\$A_WORK_ROUT	
					.EXTRN	EDT\$\$G_WORK_ENV	
					.EXTRN	EDT\$\$G_EDIT_MOD	
					.EXTRN	EDT\$_PASSTATUS	
					.PSECT	_EDT\$CODE, NOWRT, SHR, PIC, 2	
					.ENTRY	EDT\$\$CALLWIO, Save R2	: 0699
					SUBL2	#4, SP	
					MOVAL	3\$, (FP)	: 0738
					MOVL	EDT\$\$A_WORK_ROUT, R0	: 0783
					MOVQ	RECORD_NO, -(SP)	
					MOVL	CODE, 8(SP)	
					PUSHAB	8(SP)	
					MOVL	EDT\$\$G_WORK_ENV, R1	
					CALLS	#3, (R0)	
					MOVL	R0, STATUS	
					BLBS	STATUS, 2\$: 0791
					TSTL	EDT\$\$G_EDIT_MOD	: 0795
					BNEQ	1\$	
					CALLS	#0, EDT\$\$SC_RESET	
					PUSHL	RECORD_DESC	: 0797
					CALLS	#1, STR\$FREE1 DX	
					CALLS	#0, EDT\$\$DEA_ALLHEAP	: 0798
					CLRL	-(SP)	: 0799
					PUSHL	STATUS	
					CLRL	-(SP)	
					PUSHL	#EDT\$ PASSTATUS	
					CALLS	#4, LIB\$STOP	
					MOVL	STATUS, R0	: 0804
					RET		: 0805
					.WORD	Save nothing	: 0738
					CLRL	-(SP)	
					PUSHL	SP	
					MOVQ	4(AP), -(SP)	
					CALLS	#3, EDT\$\$WIOHNDLR	
					RET		

: Routine Size: 118 bytes, Routine Base: _EDT\$CODE + 0000

: 207 0806 1
: 208 0807 1 !<BLF/PAGE>

EDT\$CALLWIO
V04-000

EDT\$CALLWIO - calls WORKIO routine
EDT\$CALLWIO - Calls EDT work I/O routine

K 8
15-Sep-1984 23:43:42
14-Sep-1984 12:22:18

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DISK\$VMSMASTER:[EDT.SRC]CALLWIO.BLI;1 Page 6 (4)

: 210 0808 1 END
: 211 0809 1
: 212 0810 0 ELUDOM

! End of module CALLWIO

.EXTRN LIB\$STOP

PSECT SUMMARY

: Name Bytes Attributes
: _EDT\$CODE 118 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Symbols		Pages Mapped	Processing Time
	Total	Loaded Percent		
-\$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	0 0	581	00:04.0

COMMAND QUALIFIERS

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

: Size: 118 code + 0 data bytes
: Run Time: 00:16.8
: Elapsed Time: 00:30.5
: Lines/CPU Min: 2898
: Lexemes/CPU-Min: 7738
: Memory Used: 83 pages
: Compilation Complete

