

```

EEEEEEEEEEEEEEEEEE DDDDDDDDDDDDD TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEEE DDDDDDDDDDDDD TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEEE DDDDDDDDDDDDD TTTTTTTTTTTTTTTT
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```

**EXE**

Mod

EDT

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EDSYN  
LBA

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  LLLLLLLLLL  IIIII

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```
0001 0 %TITLE 'EDT$FIOHNDLR - file I/O condition handler'
0002 0 MODULE EDT$FIOHNDLR ( ! file I/O condition hanndler
0003 0 IDENT = 'V04-000' ! File: FIOHNDLR.B32 Edit: JBS1016
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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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 Condition handler enabled for all file I/O
0037 1
0038 1 ENVIRONMENT: Runs on Vax/Vms
0039 1
0040 1 AUTHOR: Shelly T. Solomon, CREATION DATE: 04-Jan-1982
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original. STS 04-Jan-1982
0045 1 1-002 - Fixed command file error. STS 14-Jan-1982
0046 1 1-003 - Catch open errors. STS 25-Feb-1982
0047 1 1-004 - Add literals for callablre parameters. STS 08-Mar-1982
0048 1 1-005 - Change EDT$$G_CMD to EDT$$V_OPTIONS. JBS 18-Mar-1982
0049 1 1-006 - If we unwind, make sure there is a bad status code in R0. JBS 26-mar-1982
0050 1 1-007 - Revise offsets into the signal args to reflect the new signaling
0051 1 in FILEIO -- the RMS STS is now always in the fourth longword. JBS 29-Mar-1982
0052 1 1-008 - Put in lots more error checking. JBS 29-Mar-1982
0053 1 1-009 - Catch read and write errors and unwind. STS 14-Jul-1982
0054 1 1-010 - Set abort write flag if error on get. STS 05-Aug-1982
0055 1 1-011 - Make use of bit masks for options word. STS 17-Aug-1982
0056 1 1-012 - Fix up references to EDT$M symbols. JBS 23-Aug-1982
0057 1 1-013 - Don't alter returned R0 when unwinding. JBS 23-Feb-1983
```



EDTSFIOHNDLR  
V04-000

EDTSFIOHNDLR - file I/O condition handler

C 1  
16-Sep-1984 00:25:45  
14-Sep-1984 12:23:08

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]FIOHNDLR.B32;1 Page 2 (1)

```
: 58      0058 1 : 1-014 - If we resignal, arrange to rebuild the screen if we are continued. JBS 22-Mar-1983
: 59      0059 1 : 1-015 - Remove some unreachable code. JBS 23-Mar-1983
: 60      0060 1 : 1-016 - Improve the appearance of the listing. JBS 14-Jun-1983
: 61      0061 1 : --
: 62      0062 1 :
```

EDT  
V04

: R

:  
:  
:



EDTSFIOHNDLR  
V04-000

EDTSFIOHNDLR - file I/O condition handler  
Declarations

D 1  
16-Sep-1984 00:25:45  
14-Sep-1984 12:23:08

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]FIOHNDLR.B32;1 Page 3 (2)

```
: 64      0063 1 %SBTTL 'Declarations'
: 65      0064 1
: 66      0065 1 TABLE OF CONTENTS:
: 67      0066 1
: 68      0067 1
: 69      0068 1 REQUIRE 'EDTSRC:TRAROUNAM';
: 70      0507 1
: 71      0508 1 FORWARD ROUTINE
: 72      0509 1     EDT$FIOHNDLR;
: 73      0510 1
: 74      0511 1
: 75      0512 1 INCLUDE FILES:
: 76      0513 1
: 77      0514 1
: 78      0515 1 REQUIRE 'EDTSRC:EDTREQ';
: 79      0650 1
: 80      0651 1 REQUIRE 'EDTSRC:SYSSYM';
: 81      0681 1
: 82      0682 1
: 83      0683 1 MACROS:
: 84      0684 1
: 85      0685 1     NONE
: 86      0686 1
: 87      0687 1 EQUATED SYMBOLS:
: 88      0688 1
: 89      0689 1     NONE
: 90      0690 1
: 91      0691 1 FIELDS:
: 92      0692 1
: 93      0693 1     NONE
: 94      0694 1
: 95      0695 1 OWN STORAGE:
: 96      0696 1
: 97      0697 1     in the routine
: 98      0698 1
: 99      0699 1 EXTERNAL REFERENCES:
: 100     0700 1
: 101     0701 1     in the routine
: 102     0702 1
```

```
104 0703 1 %SBTTL 'EDT$$FIOHNDLR - condition handler for file I/O'
105 0704 1
106 0705 1 GLOBAL ROUTINE EDT$$FIOHNDLR (
107 0706 1     SIG,
108 0707 1     MECH,
109 0708 1     ENBL
110 0709 1 ) =
111 0710 1
112 0711 1 ++
113 0712 1 FUNCTIONAL DESCRIPTION:
114 0713 1
115 0714 1     This is the condition handler for file I/O. It intercepts
116 0715 1     the non-fatal conditions, such as file not found, and unwinds
117 0716 1     to the caller of EDT$$CALLFIO. Errors not recognized are
118 0717 1     resigaled to the caller to EDT$EDIT. Just in case that caller
119 0718 1     has a handler which does a continue, arrange to reset and rebuild
120 0719 1     the screen if the screen updater regains control, and stop the
121 0720 1     working message so it won't interfere with whatever the user
122 0721 1     may have in mind.
123 0722 1
124 0723 1 FORMAL PARAMETERS:
125 0724 1
126 0725 1     Usual for condition handlers.
127 0726 1
128 0727 1 IMPLICIT INPUTS:
129 0728 1
130 0729 1     NONE
131 0730 1
132 0731 1 IMPLICIT OUTPUTS:
133 0732 1
134 0733 1     EDT$$G_IOFI_NFND      1 = error was "file not found"
135 0734 1     EDT$$G_ABT_WRITE      1 = abort the current WRITE or EXIT operation.
136 0735 1     EDT$$G_SCR_CHGD       2 = reset and rebuild screen on continue
137 0736 1
138 0737 1 COMPLETION STATUS:
139 0738 1
140 0739 1     As usual for condition handlers
141 0740 1
142 0741 1 SIDE EFFECTS:
143 0742 1
144 0743 1     NONE
145 0744 1
146 0745 1 --
147 0746 1
148 0747 2 BEGIN
149 0748 2
150 0749 2 EXTERNAL ROUTINE
151 0750 2     EDT$$STOP_WKINGMSG : NOVALUE;
152 0751 2
153 0752 2 EXTERNAL
154 0753 2     EDT$$G_ABT_WRITE,
155 0754 2     EDT$$G_IO_FNAM,
156 0755 2     EDT$$G_IO_STS,
157 0756 2     EDT$$G_IO_STV,
158 0757 2     EDT$$G_IOFI_NFND,
159 0758 2     EDT$$G_SCR_REBUILD;
160 0759 2
```



```
161 0760 2    EXTERNAL LITERAL
162 0761 2    EDT$K_COMMAND_FILE,
163 0762 2    EDT$K_INPUT_FILE,
164 0763 2    EDT$K_INCLUDE_FILE,
165 0764 2    EDT$K_WRITE_FILE,
166 0765 2    EDT$K_OUTPUT_FILE,
167 0766 2    EDT$K_PUT,
168 0767 2    EDT$K_GET,
169 0768 2    EDT$K_OPEN_INPUT,
170 0769 2    EDT$K_OPEN_OUTPUT_NOSEQ,
171 0770 2    EDT$K_OPEN_OUTPUT_SEQ;
172 0771 2
173 0772 2    MAP
174 0773 2    SIG : REF VECTOR,
175 0774 2    MECH : REF VECTOR,
176 0775 2    ENBL : REF VECTOR;
177 0776 2
178 0777 2    BIND
179 0778 2    FCODE = .ENBL [2],
180 0779 2    RET_VALUE = MECH [3],
181 0780 2    STREAM = .ENBL [1];
182 0781 2
183 0782 2    LOCAL
184 0783 2    STATUS;
185 0784 2
186 0785 2    IF ((.SIG [0] EQL 1) AND (.SIG [1] EQL SS$_UNWIND))
187 0786 2    THEN
188 0787 2    BEGIN
189 0788 2    +
190 0789 2    - We are unwinding.
191 0790 2    -
192 0791 2    RETURN (SS$_CONTINUE);
193 0792 2    END;
194 0793 2
195 0794 2    IF ((.SIG [0] NEQ 7) OR (.SIG [2] NEQ 1))
196 0795 2    THEN
197 0796 2    BEGIN
198 0797 2    +
199 0798 2    - If we are continued, reset and rebuild the screen. There is no telling
200 0799 2    - what a user might do in his own handler before continuing us.
201 0800 2    -
202 0801 2    EDT$$G_SCR_REBUILD = 2;
203 0802 2    +
204 0803 2    - Also, stop the working message, so it won't interfere with whatever the
205 0804 2    - user may have in mind.
206 0805 2    -
207 0806 2    EDT$$STOP_WKINGMSG ();
208 0807 2    RETURN (SS$_RESIGNAL);
209 0808 2    END;
210 0809 2
211 0810 2    +
212 0811 2    - This is probably a signal from the file I/O routine.
213 0812 2    - Set up the message vector for the call to EDT$$IO_ERRMSG
214 0813 2    - and save the filename signalled with
215 0814 2    -
216 0815 2    EDT$$G_IO_STS = .SIG [4];
217 0816 2    EDT$$G_IO_STV = .SIG [5];
```

```
218 0817 2 EDT$$A_IO_FNAM = .SIG [3];
219 0818 2
220 0819 2 SELECTONE .STREAM OF
221 0820 2 SET
222 0821 2
223 0822 2 [EDT$K_COMMAND_FILE] :
224 0823 3 BEGIN
225 0824 3
226 0825 4 IF (.SIG [4] EQL RMS$_FNF) ! File not found
227 0826 3 THEN
228 0827 4 BEGIN
229 0828 4 EDT$$G_IOFI_NFND = 1; ! set file not found flag
230 0829 4 SETUNWIND (?); ! everything O.K., continue (caller will print message)
231 0830 4 RETURN (SS$_CONTINUE);
232 0831 4 END
233 0832 3 ELSE
234 0833 3 !+ Not "file not found", resignal the error.
235 0834 3 -
236 0835 3 BEGIN
237 0836 4
238 0837 4 !+ If we are continued, reset and rebuild the screen. There is no telling
239 0838 4 what a user might do in his own handler before continuing us.
240 0839 4 -
241 0840 4 EDT$$G_SCR_REBUILD = 2;
242 0841 4 !+
243 0842 4 Also, stop the working message, so it won't interfere with whatever the
244 0843 4 user may have in mind.
245 0844 4 -
246 0845 4
247 0846 4 EDT$$STOP_WKINGMSG ();
248 0847 4 RETURN (SS$_RESIGNAL);
249 0848 3 END;
250 0849 3
251 0850 2 END;
252 0851 2
253 0852 2 [EDT$K_INPUT_FILE] :
254 0853 3 BEGIN
255 0854 3
256 0855 4 IF (.SIG [4] EQL RMS$_FNF)
257 0856 3 THEN
258 0857 4 BEGIN
259 0858 4 EDT$$G_IOFI_NFND = 1; ! set file not found flag
260 0859 4 SETUNWIND (?); ! everything O.K., continue
261 0860 4 RETURN (SS$_CONTINUE);
262 0861 4 END
263 0862 3 ELSE
264 0863 3
265 0864 4 IF (.FCODE EQL EDT$K_GET)
266 0865 3 THEN
267 0866 4 BEGIN
268 0867 4 EDT$$G_ABT_WRITE = 1;
269 0868 4 SETUNWIND (?);
270 0869 4 RETURN (SS$_CONTINUE);
271 0870 4 END
272 0871 3 ELSE
273 0872 4 BEGIN
274 0873 4 !+
```



```

275 0874 4 | If we are continued, reset and rebuild the screen. There is no telling
276 0875 4 | what a user might do in his own handler before continuing us.
277 0876 4 | -
278 0877 4 |     EDT$$G_SCR_REBUILD = 2;
279 0878 4 | +
280 0879 4 | Also, stop the working message, so it won't interfere with whatever the
281 0880 4 | user may have in mind.
282 0881 4 | -
283 0882 4 |     EDT$$STOP_WKINGMSG ();
284 0883 4 |     RETURN (SS$_RESIGNAL);
285 0884 4 |     END;
286 0885 3 |
287 0886 2 |     END;
288 0887 2 |
289 0888 2 | [EDT$K_INCLUDE_FILE, EDT$K_WRITE_FILE, EDT$K_OUTPUT_FILE] :
290 0889 3 | BEGIN
291 0890 3 | +
292 0891 3 | Any error opening any of the above files is not considered fatal.
293 0892 3 | -
294 0893 3 |
295 0894 4 |     IF ((.FCODE EQL EDT$K_OPEN_INPUT) OR
296 0895 4 |         (.FCODE EQL EDT$K_OPEN_OUTPUT_NOSEQ) OR
297 0896 4 |         (.FCODE EQL EDT$K_OPEN_OUTPUT_SEQ))
298 0897 3 |     THEN
299 0898 4 |         BEGIN
300 0899 4 | +
301 0900 4 | If the error is "file not found" (only possible with INCLUDE) then
302 0901 4 | give a more-specific message.
303 0902 4 | -
304 0903 4 |
305 0904 4 |     IF (.SIG [4] EQL RMS$_FNF) THEN EDT$$G_IOFI_NFND = 1;
306 0905 4 |
307 0906 4 |     SETUNWIND ();
308 0907 4 |     RETURN (SS$_CONTINUE);
309 0908 4 |     END
310 0909 3 | ELSE
311 0910 3 |
312 0911 4 |     IF ((.FCODE EQL EDT$K_PUT) OR (.FCODE EQL EDT$K_GET))
313 0912 3 |     THEN
314 0913 4 |         BEGIN
315 0914 4 |             EDT$$G_ABT_WRITE = 1;
316 0915 4 |             SETUNWIND ();
317 0916 4 |             RETURN (SS$_CONTINUE);
318 0917 4 |             END
319 0918 3 |         ELSE
320 0919 4 |             BEGIN
321 0920 4 | +
322 0921 4 | If we are continued, reset and rebuild the screen. There is no telling
323 0922 4 | what a user might do in his own handler before continuing us.
324 0923 4 | -
325 0924 4 |     EDT$$G_SCR_REBUILD = 2;
326 0925 4 | +
327 0926 4 | Also, stop the working message, so it won't interfere with whatever the
328 0927 4 | user may have in mind.
329 0928 4 | -
330 0929 4 |     EDT$$STOP_WKINGMSG ();
331 0930 4 |     RETURN (SS$_RESIGNAL);
```

```
0931      END;
0932
0933      END;
0934
0935      [OTHERWISE] :
0936      BEGIN
0937      +
0938      If we are continued, reset and rebuild the screen. There is no telling
0939      what a user might do in his own handler before continuing us.
0940      -
0941      EDT$$G_SCR_REBUILD = 2;
0942      +
0943      Also, stop the working message, so it won't interfere with whatever the
0944      user may have in mind.
0945      -
0946      EDT$$STOP_WKINGMSG ();
0947      RETURN (SS$_RESIGNAL);
0948      END;
0949      TES;
0950
0951      END;
```

! of routine EDT\$\$FIOHNDLR

.TITLE EDT\$FIOHNDLR EDT\$FIOHNDLR - file I/O condition  
handler

.IDENT \V04-000\

```
.EXTRN EDT$$STOP_WKINGMSG
.EXTRN EDT$$G_ABX_WRITE
.EXTRN EDT$$A_IO_FNAM, EDT$$G_IO_STS
.EXTRN EDT$$G_IO_STV, EDT$$G_IOFI_NFND
.EXTRN EDT$$G_SCR_REBUILD
.EXTRN EDT$K_COMMAND_FILE
.EXTRN EDT$K_INPUT_FILE
.EXTRN EDT$K_INCLUDE_FILE
.EXTRN EDT$K_WRITE_FILE
.EXTRN EDT$K_OUTPUT_FILE
.EXTRN EDT$K_PUT, EDT$K_GET
.EXTRN EDT$K_OPEN_INPUT
.EXTRN EDT$K_OPEN_OUTPUT_NOSEQ
.EXTRN EDT$K_OPEN_OUTPUT_SEQ
```

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

.ENTRY EDT\$\$FIOHNDLR, Save R2, R3, R4

```
MOVL #EDT$K_GET, R4
MOVL ENBL, R3
MOVL SIG, R2
CMPL (R2), #1
BNEQ 1$
CMPL 4(R2), #2336
BNEQ 1$
BRW 13$
CMPL (R2), #7
BNEQ 6$
CMPL 8(R2), #1
BNEQ 6$
```

```
001C 00000
54 00000000G 8F D0 00002
53 0C AC D0 00009
52 04 AC D0 0000D
01 62 D1 00011
0D 12 00014
00000920 8F 04 A2 D1 00016
03 12 0001E
00C2 31 00020
07 62 D1 00023 1$:
72 12 00026
01 08 A2 D1 00028
6C 12 0002C
```

: 0705

: 0778

: 0785

: 0794



|           |    |      |    |    |       |        |                               |      |
|-----------|----|------|----|----|-------|--------|-------------------------------|------|
| 00000000G | 00 | 10   | A2 | D0 | 0002E | MOVL   | 16(R2), EDT\$\$G_IO_STS       | 0815 |
| 00000000G | 00 | 14   | A2 | D0 | 00036 | MOVL   | 20(R2), EDT\$\$G_IO_STV       | 0816 |
| 00000000G | 00 | 0C   | A2 | D0 | 0003E | MOVL   | 12(R2), EDT\$\$A_IO_FNAM      | 0817 |
|           | 50 | 04   | B3 | D0 | 00046 | MOVL   | 24(R3), R0                    | 0819 |
| 00000000G | 8F |      | 50 | D1 | 0004A | CMPL   | R0, #EDT\$K_COMMAND_FILE      | 0822 |
|           |    |      | 0C | 12 | 00051 | BNEQ   | 2\$                           |      |
| 00018292  | 8F | 10   | A2 | D1 | 00053 | CMPL   | 16(R2), #98962                | 0825 |
|           |    |      | 76 | 12 | 0005B | BNEQ   | 10\$                          |      |
|           |    |      | 13 | 11 | 0005D | BRB    | 3\$                           | 0828 |
| 00000000G | 8F |      | 50 | D1 | 0005F | CMPL   | R0, #EDT\$K_INPUT_FILE        | 0852 |
|           |    |      | 19 | 12 | 00066 | BNEQ   | 5\$                           |      |
| 00018292  | 8F | 10   | A2 | D1 | 00068 | CMPL   | 16(R2), #98962                | 0855 |
|           |    |      | 09 | 12 | 00070 | BNEQ   | 4\$                           |      |
| 00000000G | 00 |      | 01 | D0 | 00072 | MOVL   | #1, EDT\$\$G_IOFI_NFND        | 0858 |
|           |    |      | 61 | 11 | 00079 | BRB    | 12\$                          | 0859 |
|           | 54 | 08   | B3 | D1 | 0007B | CMPL   | 28(R3), R4                    | 0864 |
|           |    |      | 52 | 11 | 0007F | BRB    | 10\$                          |      |
| 00000000G | 8F |      | 50 | D1 | 00081 | CMPL   | R0, #EDT\$K_INCLUDE_FILE      | 0888 |
|           |    |      | 12 | 13 | 00088 | BEQL   | 7\$                           |      |
| 00000000G | 8F |      | 50 | D1 | 0008A | CMPL   | R0, #EDT\$K_WRITE_FILE        |      |
|           |    |      | 09 | 13 | 00091 | BEQL   | 7\$                           |      |
| 00000000G | 8F |      | 50 | D1 | 00093 | CMPL   | R0, #EDT\$K_OUTPUT_FILE       |      |
|           |    |      | 4D | 12 | 0009A | BNEQ   | 14\$                          |      |
|           | 50 | 08   | B3 | D0 | 0009C | MOVL   | 28(R3), R0                    | 0894 |
| 00000000G | 8F |      | 50 | D1 | 000A0 | CMPL   | R0, #EDT\$K_OPEN_INPUT        |      |
|           |    |      | 12 | 13 | 000A7 | BEQL   | 8\$                           |      |
| 00000000G | 8F |      | 50 | D1 | 000A9 | CMPL   | R0, #EDT\$K_OPEN_OUTPUT_NOSEQ | 0895 |
|           |    |      | 09 | 13 | 000B0 | BEQL   | 8\$                           |      |
| 00000000G | 8F |      | 50 | D1 | 000B2 | CMPL   | R0, #EDT\$K_OPEN_OUTPUT_SEQ   | 0896 |
|           |    |      | 0C | 12 | 000B9 | BNEQ   | 9\$                           |      |
| 00018292  | 8F | 10   | A2 | D1 | 000BB | CMPL   | 16(R2), #98962                | 0904 |
|           |    |      | 17 | 12 | 000C3 | BNEQ   | 12\$                          |      |
|           |    |      | AB | 11 | 000C5 | BRB    | 3\$                           |      |
| 00000000G | 8F |      | 50 | D1 | 000C7 | CMPL   | R0, #EDT\$K_PUT               | 0911 |
|           |    |      | 05 | 13 | 000CE | BEQL   | 11\$                          |      |
|           | 54 |      | 50 | D1 | 000D0 | CMPL   | R0, R4                        |      |
|           |    |      | 14 | 12 | 000D3 | BNEQ   | 14\$                          |      |
| 00000000G | 00 |      | 01 | D0 | 000D5 | MOVL   | #1, EDT\$\$G_ABT_WRITE        | 0914 |
|           |    |      | 7E | 7C | 000DC | CLRQ   | -(SP)                         | 0915 |
| 00000000G | 00 |      | 02 | FB | 000DE | CALLS  | #2, SYSSUNWIND                |      |
|           | 50 |      | 01 | D0 | 000E5 | MOVL   | #1, R0                        | 0916 |
|           |    |      |    | 04 | 000E8 | RET    |                               |      |
| 00000000G | 00 |      | 02 | D0 | 000E9 | MOVL   | #2, EDT\$\$G_SCR_REBUILD      | 0941 |
| 00000000G | 00 |      | 00 | FB | 000F0 | CALLS  | #0, EDT\$\$STOP_WKINGMSG      | 0946 |
|           | 50 | 0918 | 8F | 3C | 000F7 | MOVZWL | #2328, R0                     | 0947 |
|           |    |      |    | 04 | 000FC | RET    |                               | 0951 |

; Routine Size: 253 bytes, Routine Base: \_EDT\$CODE + 0000

; 353 0952 1  
; 354 0953 1 !<BLF/PAGE>

EDT\$FIOHNDLR  
V04-000

EDT\$FIOHNDLR - file I/O condition handler  
EDT\$FIOHNDLR - condition handler for file I/O

K 1  
16-Sep-1984 00:25:45  
14-Sep-1984 12:23:08

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]FIOHNDLR.B32;1

Page 10  
(4)

: 356 0954 1 END  
: 357 0955 1  
: 358 0956 0 ELUDOM

! of module EDT\$FIOHNDLR

.EXTRN SYSSUNWIND

# PSECT SUMMARY

| Name       | Bytes | Attributes                                              |
|------------|-------|---------------------------------------------------------|
| _EDT\$CODE | 253   | NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2) |

# Library Statistics

| File                                | -----<br>Total | Symbols<br>Loaded | -----<br>Percent | Pages<br>Mapped | Processing<br>Time |
|-------------------------------------|----------------|-------------------|------------------|-----------------|--------------------|
| -\$255\$DUA28:[EDT.SRC]EDT.L32;1    | 377            | 0                 | 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           | 4                 | 0                | 581             | 00:04.0            |

# COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:FIOHNDLR/OBJ=OBJ\$:FIOHNDLR MSRC\$:FIOHNDLR.B32/UPDATE=(ENH\$:FIOHNDLR)

: Size: 253 code + 0 data bytes  
: Run Time: 00:23.1  
: Elapsed Time: 00:30.9  
: Lines/CPU Min: 2486  
: Lexemes/CPU-Min: 7427  
: Memory Used: 123 pages  
: Compilation Complete



0133 AH-BT13A-SE  
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION  
CONFIDENTIAL AND PROPRIETARY

EXTEND  
LIS

FDEC  
LIS

FILL  
LIS

FINDPARA  
LIS

FCRLF  
LIS

EDT  
LIS

EXEC  
LIS

EXECNOO  
LIS

FILEIO  
LIS

EDTVECTOR  
LIS

FINDKEY  
LIS

FCOLINC  
LIS

FINAL  
LIS

FINDHDLR  
LIS

DEFKEY  
LIS

ERRMSG  
LIS

FCHAR  
LIS



0134 AH-BT13A-SE  
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION  
CONFIDENTIAL AND PROPRIETARY

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0134 | 0135 | 0136 | 0137 | 0138 | 0139 | 0140 | 0141 | 0142 | 0143 | 0144 | 0145 | 0146 | 0147 | 0148 | 0149 | 0150 | 0151 | 0152 | 0153 | 0154 | 0155 | 0156 | 0157 | 0158 | 0159 | 0160 | 0161 | 0162 | 0163 | 0164 | 0165 | 0166 | 0167 | 0168 | 0169 | 0170 | 0171 | 0172 | 0173 | 0174 | 0175 | 0176 | 0177 | 0178 | 0179 | 0180 | 0181 | 0182 | 0183 | 0184 | 0185 | 0186 | 0187 | 0188 | 0189 | 0190 | 0191 | 0192 | 0193 | 0194 | 0195 | 0196 | 0197 | 0198 | 0199 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 0200 | 0201 | 0202 | 0203 | 0204 | 0205 | 0206 | 0207 | 0208 | 0209 | 0210 | 0211 | 0212 | 0213 | 0214 | 0215 | 0216 | 0217 | 0218 | 0219 | 0220 | 0221 | 0222 | 0223 | 0224 | 0225 | 0226 | 0227 | 0228 | 0229 | 0230 | 0231 | 0232 | 0233 | 0234 | 0235 | 0236 | 0237 | 0238 | 0239 | 0240 | 0241 | 0242 | 0243 | 0244 | 0245 | 0246 | 0247 | 0248 | 0249 | 0250 | 0251 | 0252 | 0253 | 0254 | 0255 | 0256 | 0257 | 0258 | 0259 | 0260 | 0261 | 0262 | 0263 | 0264 | 0265 | 0266 | 0267 | 0268 | 0269 | 0270 | 0271 | 0272 | 0273 | 0274 | 0275 | 0276 | 0277 | 0278 | 0279 | 0280 | 0281 | 0282 | 0283 | 0284 | 0285 | 0286 | 0287 | 0288 | 0289 | 0290 | 0291 | 0292 | 0293 | 0294 | 0295 | 0296 | 0297 | 0298 | 0299 |
| 0300 | 0301 | 0302 | 0303 | 0304 | 0305 | 0306 | 0307 | 0308 | 0309 | 0310 | 0311 | 0312 | 0313 | 0314 | 0315 | 0316 | 0317 | 0318 | 0319 | 0320 | 0321 | 0322 | 0323 | 0324 | 0325 | 0326 | 0327 | 0328 | 0329 | 0330 | 0331 | 0332 | 0333 | 0334 | 0335 | 0336 | 0337 | 0338 | 0339 | 0340 | 0341 | 0342 | 0343 | 0344 | 0345 | 0346 | 0347 | 0348 | 0349 | 0350 | 0351 | 0352 | 0353 | 0354 | 0355 | 0356 | 0357 | 0358 | 0359 | 0360 | 0361 | 0362 | 0363 | 0364 | 0365 | 0366 | 0367 | 0368 | 0369 | 0370 | 0371 | 0372 | 0373 | 0374 | 0375 | 0376 | 0377 | 0378 | 0379 | 0380 | 0381 | 0382 | 0383 | 0384 | 0385 | 0386 | 0387 | 0388 | 0389 | 0390 | 0391 | 0392 | 0393 | 0394 | 0395 | 0396 | 0397 | 0398 | 0399 |
| 0400 | 0401 | 0402 | 0403 | 0404 | 0405 | 0406 | 0407 | 0408 | 0409 | 0410 | 0411 | 0412 | 0413 | 0414 | 0415 | 0416 | 0417 | 0418 | 0419 | 0420 | 0421 | 0422 | 0423 | 0424 | 0425 | 0426 | 0427 | 0428 | 0429 | 0430 | 0431 | 0432 | 0433 | 0434 | 0435 | 0436 | 0437 | 0438 | 0439 | 0440 | 0441 | 0442 | 0443 | 0444 | 0445 | 0446 | 0447 | 0448 | 0449 | 0450 | 0451 | 0452 | 0453 | 0454 | 0455 | 0456 | 0457 | 0458 | 0459 | 0460 | 0461 | 0462 | 0463 | 0464 | 0465 | 0466 | 0467 | 0468 | 0469 | 0470 | 0471 | 0472 | 0473 | 0474 | 0475 | 0476 | 0477 | 0478 | 0479 | 0480 | 0481 | 0482 | 0483 | 0484 | 0485 | 0486 | 0487 | 0488 | 0489 | 0490 | 0491 | 0492 | 0493 | 0494 | 0495 | 0496 | 0497 | 0498 | 0499 |
| 0500 | 0501 | 0502 | 0503 | 0504 | 0505 | 0506 | 0507 | 0508 | 0509 | 0510 | 0511 | 0512 | 0513 | 0514 | 0515 | 0516 | 0517 | 0518 | 0519 | 0520 | 0521 | 0522 | 0523 | 0524 | 0525 | 0526 | 0527 | 0528 | 0529 | 0530 | 0531 | 0532 | 0533 | 0534 | 0535 | 0536 | 0537 | 0538 | 0539 | 0540 | 0541 | 0542 | 0543 | 0544 | 0545 | 0546 | 0547 | 0548 | 0549 | 0550 | 0551 | 0552 | 0553 | 0554 | 0555 | 0556 | 0557 | 0558 | 0559 | 0560 | 0561 | 0562 | 0563 | 0564 | 0565 | 0566 | 0567 | 0568 | 0569 | 0570 | 0571 | 0572 | 0573 | 0574 | 0575 | 0576 | 0577 | 0578 | 0579 | 0580 | 0581 | 0582 | 0583 | 0584 | 0585 | 0586 | 0587 | 0588 | 0589 | 0590 | 0591 | 0592 | 0593 | 0594 | 0595 | 0596 | 0597 | 0598 | 0599 |
| 0600 | 0601 | 0602 | 0603 | 0604 | 0605 | 0606 | 0607 | 0608 | 0609 | 0610 | 0611 | 0612 | 0613 | 0614 | 0615 | 0616 | 0617 | 0618 | 0619 | 0620 | 0621 | 0622 | 0623 | 0624 | 0625 | 0626 | 0627 | 0628 | 0629 | 0630 | 0631 | 0632 | 0633 | 0634 | 0635 | 0636 | 0637 | 0638 | 0639 | 0640 | 0641 | 0642 | 0643 | 0644 | 0645 | 0646 | 0647 | 0648 | 0649 | 0650 | 0651 | 0652 | 0653 | 0654 | 0655 | 0656 | 0657 | 0658 | 0659 | 0660 | 0661 | 0662 | 0663 | 0664 | 0665 | 0666 | 0667 | 0668 | 0669 | 0670 | 0671 | 0672 | 0673 | 0674 | 0675 | 0676 | 0677 | 0678 | 0679 | 0680 | 0681 | 0682 | 0683 | 0684 | 0685 | 0686 | 0687 | 0688 | 0689 | 0690 | 0691 | 0692 | 0693 | 0694 | 0695 | 0696 | 0697 | 0698 | 0699 |
| 0700 | 0701 | 0702 | 0703 | 0704 | 0705 | 0706 | 0707 | 0708 | 0709 | 0710 | 0711 | 0712 | 0713 | 0714 | 0715 | 0716 | 0717 | 0718 | 0719 | 0720 | 0721 | 0722 | 0723 | 0724 | 0725 | 0726 | 0727 | 0728 | 0729 | 0730 | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | 0751 | 0752 | 0753 | 0754 | 0755 | 0756 | 0757 | 0758 | 0759 | 0760 | 0761 | 0762 | 0763 | 0764 | 0765 | 0766 | 0767 | 0768 | 0769 | 0770 | 0771 | 0772 | 0773 | 0774 | 0775 | 0776 | 0777 | 0778 | 0779 | 0780 | 0781 | 0782 | 0783 | 0784 | 0785 | 0786 | 0787 | 0788 | 0789 | 0790 | 0791 | 0792 | 0793 | 0794 | 0795 | 0796 | 0797 | 0798 | 0799 |
| 0800 | 0801 | 0802 | 0803 | 0804 | 0805 | 0806 | 0807 | 0808 | 0809 | 0810 | 0811 | 0812 | 0813 | 0814 | 0815 | 0816 | 0817 | 0818 | 0819 | 0820 | 0821 | 0822 | 0823 | 0824 | 0825 | 0826 | 0827 | 0828 | 0829 | 0830 | 0831 | 0832 | 0833 | 0834 | 0835 | 0836 | 0837 | 0838 | 0839 | 0840 | 0841 | 0842 | 0843 | 0844 | 0845 | 0846 | 0847 | 0848 | 0849 | 0850 | 0851 | 0852 | 0853 | 0854 | 0855 | 0856 | 0857 | 0858 | 0859 | 0860 | 0861 | 0862 | 0863 | 0864 | 0865 | 0866 | 0867 | 0868 | 0869 | 0870 | 0871 | 0872 | 0873 | 0874 | 0875 | 0876 | 0877 | 0878 | 0879 | 0880 | 0881 | 0882 | 0883 | 0884 | 0885 | 0886 | 0887 | 0888 | 0889 | 0890 | 0891 | 0892 | 0893 | 0894 | 0895 | 0896 | 0897 | 0898 | 0899 |
| 0900 | 0901 | 0902 | 0903 | 0904 | 0905 | 0906 | 0907 | 0908 | 0909 | 0910 | 0911 | 0912 | 0913 | 0914 | 0915 | 0916 | 0917 | 0918 | 0919 | 0920 | 0921 | 0922 | 0923 | 0924 | 0925 | 0926 | 0927 | 0928 | 0929 | 0930 | 0931 | 0932 | 0933 | 0934 | 0935 | 0936 | 0937 | 0938 | 0939 | 0940 | 0941 | 0942 | 0943 | 0944 | 0945 | 0946 | 0947 | 0948 | 0949 | 0950 | 0951 | 0952 | 0953 | 0954 | 0955 | 0956 | 0957 | 0958 | 0959 | 0960 | 0961 | 0962 | 0963 | 0964 | 0965 | 0966 | 0967 | 0968 | 0969 | 0970 | 0971 | 0972 | 0973 | 0974 | 0975 | 0976 | 0977 | 0978 | 0979 | 0980 | 0981 | 0982 | 0983 | 0984 | 0985 | 0986 | 0987 | 0988 | 0989 | 0990 | 0991 | 0992 | 0993 | 0994 | 0995 | 0996 | 0997 | 0998 | 0999 |