


```

CCCCCCCC HH      HH  MM      MM  FFFFFFFF  IIIIII  NN      NN  EEEEEEEEE  NN      NN  TTTTTTTTTT
CCCCCCCC HH      HH  MM      MM  FFFFFFFF  IIIIII  NN      NN  EEEEEEEEE  NN      NN  TTTTTTTTTT
CC        HH      HH  MMMM   MMMM  FF          II      NN      NN  EE          NN      NN  TT
CC        HH      HH  MMMM   MMMM  FF          II      NN      NN  EE          NN      NN  TT
CC        HS      HH  MM      MM  FF          II      NNNN   NN  EE          NNNN   NN  TT
CC        HH      HH  MM      MM  FF          II      NNNN   NN  EE          NNNN   NN  TT
CC        HHHHHHHHHH MM      MM  FFFFFFFF  II      NN  NN  NN  EEEEEEEEE  NN  NN  NN  TT
CC        HHHHHHHHHH MM      MM  FFFFFFFF  II      NN  NN  NN  EEEEEEEEE  NN  NN  NN  TT
CC        HH      HH  MM      MM  FF          II      NN      NN  NN  NN  EE          NN  NN  NN  TT
CC        HH      HH  MM      MM  FF          II      NN      NN  NN  NN  EE          NN  NN  NN  TT
CC        HH      HH  MM      MM  FF          II      NN      NN  NN  NN  EE          NN  NN  NN  TT
CC        HH      HH  MM      MM  FF          II      NN      NN  NN  NN  EE          NN  NN  NN  TT
CC        HH      HH  MM      MM  FF          II      NN      NN  NN  NN  EE          NN  NN  NN  TT
CCCCCCCC HH      HH  MM      MM  FF          IIIIII  NN      NN  EEEEEEEEE  NN      NN  TT
CCCCCCCC HH      HH  MM      MM  FF          IIIIII  NN      NN  EEEEEEEEE  NN      NN  TT

```

```

...
...
...
...

```

```

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 XTITLE 'EDT$CHMFINENT - find page and paragraph entities'  
2 0002 0 MODULE EDT$CHMFINENT ( ! Find page and paragraph entities  
3 0003 0 IDENT = 'V04-000' ! File: CHMFINENT.BLI Edit: JBS1004  
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 module finds the page and paragraph entities.  
37 0037 1  
38 0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant  
39 0039 1  
40 0040 1 AUTHOR: Bob Kushlis, CREATION DATE: Unknown  
41 0041 1  
42 0042 1 MODIFIED BY:  
43 0043 1  
44 0044 1 1-001 - Original. DJS 04-Feb-1981. This module was created by  
45 0045 1 extracting the routine EDT$$FND_ENT from module CHANGE.BLI.  
46 0046 1 1-002 - Regularize headers. JBS 02-Mar-1981  
47 0047 1 1-003 - Correct description of routine value. JBS 01-Oct-1981  
48 0048 1 1-004 - Improve the appearance of the listing. JBS 13-Jun-1983  
49 0049 1 --  
50 0050 1
```

```
.. 52 0051 1 %SBTTL 'Declarations'  
.. 53 0052 1 |  
.. 54 0053 1 | TABLE OF CONTENTS:  
.. 55 0054 1 |  
.. 56 0055 1 |  
.. 57 0056 1 REQUIRE 'EDTSRC:TRAROUNAM';  
.. 58 0495 1 |  
.. 59 0496 1 FORWARD ROUTINE  
.. 60 0497 1 EDT$$FND_ENT;  
.. 61 0498 1 |  
.. 62 0499 1 |  
.. 63 0500 1 | INCLUDE FILES:  
.. 64 0501 1 |  
.. 65 0502 1 |  
.. 66 0503 1 REQUIRE 'EDTSRC:EDTREQ';  
.. 67 0638 1 |  
.. 68 0639 1 |  
.. 69 0640 1 | MACROS:  
.. 70 0641 1 |  
.. 71 0642 1 | NONE  
.. 72 0643 1 |  
.. 73 0644 1 | EQUATED SYMBOLS:  
.. 74 0645 1 |  
.. 75 0646 1 | NONE  
.. 76 0647 1 |  
.. 77 0648 1 | OWN STORAGE:  
.. 78 0649 1 |  
.. 79 0650 1 | NONE  
.. 80 0651 1 |  
.. 81 0652 1 | EXTERNAL REFERENCES:  
.. 82 0653 1 |  
.. 83 0654 1 | In the routine
```

! Search for a page or paragraph entity

```
85 0655 1 %SBTTL 'EDT$$FND_ENT - find page and paragraph entities'
86 0656 1
87 0657 1 GLOBAL ROUTINE EDT$$FND_ENT (           ! Find page and paragraph entities
88 0658 1     ENT,                               ! The entity to search for
89 0659 1     DIR,                               ! The direction to search
90 0660 1     INC_DELIM                          ! Include delimiter in the found string
91 0661 1     ) =
92 0662 1
93 0663 1 !++
94 0664 1 ! FUNCTIONAL DESCRIPTION:
95 0665 1
96 0666 1     This routine is used to isolate the page and paragraph entities, which
97 0667 1     are based upon a search string which must be found.
98 0668 1
99 0669 1 ! FORMAL PARAMETERS:
100 0670 1
101 0671 1     ENT                               The entity to search for
102 0672 1     DIR                               The direction to search
103 0673 1     INC_DELIM                          Include delimiter in the found string
104 0674 1
105 0675 1 ! IMPLICIT INPUTS:
106 0676 1
107 0677 1     NONE
108 0678 1
109 0679 1 ! IMPLICIT OUTPUTS:
110 0680 1
111 0681 1     NONE
112 0682 1
113 0683 1 ! ROUTINE VALUE:
114 0684 1
115 0685 1     1 = found, 0 = not found, 2 = terminated by control C
116 0686 1
117 0687 1 ! SIDE EFFECTS:
118 0688 1
119 0689 1     NONE
120 0690 1
121 0691 1 !--
122 0692 1
123 0693 1
124 0694 1
125 0695 2     BEGIN
126 0696 2
127 0697 2     EXTERNAL ROUTINE
128 0698 2         EDT$$STR_SEACMD,           ! Search for a specific string
129 0699 2         EDT$$CS_BOTBUF,          ! Move to bottom of buffer
130 0700 2         EDT$$CS_LEFT,           ! Move left a character
131 0701 2         EDT$$CS_RIGHT,          ! Move right a character
132 0702 2         EDT$$CS_TOP;            ! Move to top of buffer
133 0703 2
134 0704 2     EXTERNAL
135 0705 2         EDT$$G_SEA_BEG;          ! Leave search at beginning if on
136 0706 2
137 0707 2     LOCAL
138 0708 2         SAVE_BEGIN,
139 0709 2         SUCCEED;
140 0710 2
141 0711 2 !+
```

```
142 0712 2 | Temporarily put us in BEGIN mode, so we position to the beginning
143 0713 2 | of the entity delimiter.
144 0714 2 |
145 0715 2 |   SAVE_BEGIN = .EDT$$G_SEA_BEG;
146 0716 2 |   EDT$$G_SEA_BEG = 1;
147 0717 2 |
148 0718 2 | + If searching backward, move back the length of the delimiter before
149 0719 2 | starting.
150 0720 2 |
151 0721 2 |
152 0722 3 |   IF (.DIR EQL DIR_BACKWARD)
153 0723 2 |   THEN
154 0724 2 |
155 0725 2 |     INCR I FROM 0 TO CH$RCHAR (.ENT) DO
156 0726 2 |     EDT$$CS_LEFT ();
157 0727 2 |
158 0728 2 | +
159 0729 2 | Do the search.
160 0730 2 |
161 0731 2 |   SUCCEED = EDT$$STR_SEACMD (CH$PTR (.ENT, 1), CH$RCHAR (CH$PTR (.ENT)), 0, .DIR);
162 0732 2 | +
163 0733 2 | Restore the BEGIN/END parameter.
164 0734 2 |
165 0735 2 |   EDT$$G_SEA_BEG = .SAVE_BEGIN;
166 0736 2 | +
167 0737 2 | Check to see whether or not it was found. If not then move
168 0738 2 | to the top or bottom depending on the direction. In this case
169 0739 2 | we want to fail if we are already at top or bottom.
170 0740 2 |
171 0741 2 |
172 0742 3 |   IF (.SUCCEED EQL 0)
173 0743 2 |   THEN
174 0744 3 |     BEGIN
175 0745 3 |
176 0746 4 |     IF (.DIR EQL DIR_BACKWARD)
177 0747 3 |     THEN
178 0748 4 |     BEGIN
179 0749 4 |     SUCCEED = EDT$$CS_LEFT ();
180 0750 4 |     EDT$$CS_TOP ();
181 0751 4 |     END
182 0752 3 |   ELSE
183 0753 4 |     BEGIN
184 0754 4 |     SUCCEED = EDT$$CS_RIGHT ();
185 0755 4 |     EDT$$CS_BOTBUF ();
186 0756 3 |     END;
187 0757 3 |
188 0758 3 |   END
189 0759 2 | ELSE
190 0760 2 |
191 0761 3 |   IF (.SUCCEED EQL 1)
192 0762 2 |   THEN
193 0763 2 |
194 0764 3 |     IF (.INC_DELIM NEQ 0)
195 0765 2 |     THEN                                     ! include the delimiter.
196 0766 2 |
197 0767 2 |     INCR I FROM 1 TO CH$RCHAR (.ENT) DO
198 0768 2 |     EDT$$CS_RIGHT ();
```

: 199
: 200
: 201

0769 2
0770 2 RETURN (.SUCCEED);
0771 1 END;

! of routine EDT\$\$FND_ENT

.TITLE EDT\$CHMF INENT EDT\$CHMF INENT - find page and par
agraph entitie

.IDENT \V04-000\

.EXTRN EDT\$\$STR_SEACMD
.EXTRN EDT\$\$CS_BOTBUF, EDT\$\$CS_LEFT
.EXTRN EDT\$\$CS_RIGHT, EDT\$\$CS_TOP
.EXTRN EDT\$\$G_SEA_BEG

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

			01FC 00000	.ENTRY	EDT\$\$FND_ENT, Save R2,R3,R4,R5,R6,R7,R8	: 0657
	58	00000000G	00 9E 00002	MOVAB	EDT\$\$CS_RIGHT, R8	
	57	00000000G	00 9E 00009	MOVAB	EDT\$\$CS_LEFT, R7	
	56	00000000G	00 9E 00010	MOVAB	EDT\$\$G_SEA_BEG, R6	
	55		66 D0 00017	MOVL	EDT\$\$G_SEA_BEG, SAVE_BEGIN	: 0715
	66		01 D0 0001A	MOVL	#1, EDT\$\$G_SEA_BEG	: 0716
			52 D4 0001D	CLRL	R2	: 0722
		08	AC D5 0001F	TSTL	DIR	
			12 12 00022	BNEQ	3\$	
			52 D6 00024	INCL	R2	
	53	04	BC 9A 00026	MOVZBL	@ENT, R3	: 0725
	54		01 CE 0002A	MNEGL	#1, I	
			03 11 0002D	BRB	2\$	
	67		00 FB 0002F	CALLS	#0, EDT\$\$CS_LEFT	: 0726
F9	54		53 F3 00032	AOBLEQ	R3, I, 1\$	
		08	AC DD 00036	PUSHL	DIR	: 0731
			7E D4 00039	CLRL	-(SP)	
	7E	04	BC 9A 0003B	MOVZBL	@ENT, -(SP)	
7E			01 C1 0003F	ADDL3	#1, ENT, -(SP)	
	00		04 FB 00044	CALLS	#4, EDT\$\$STR_SEACMD	
	54		50 D0 0004B	MOVL	R0, SUCCEED	
	66		55 D0 0004E	MOVL	SAVE_BEGIN, EDT\$\$G_SEA_BEG	: 0735
			54 D5 00051	TSTL	SUCCEED	: 0742
			21 12 00053	BNEQ	5\$	
	0F		52 E9 00055	BLBC	R2, 4\$: 0746
	67		00 FB 00058	CALLS	#0, EDT\$\$CS_LEFT	: 0749
	54		50 D0 0005B	MOVL	R0, SUCCEED	
	00		00 FB 0005E	CALLS	#0, EDT\$\$CS_TOP	: 0750
			28 11 00065	BRB	8\$: 0746
	68		00 FB 00067	CALLS	#0, EDT\$\$CS_RIGHT	: 0754
	54		50 D0 0006A	MOVL	R0, SUCCEED	
	00		00 FB 0006D	CALLS	#0, EDT\$\$CS_BOTBUF	: 0755
			19 11 00074	BRB	8\$: 0742
	01		54 D1 00076	CMPL	SUCCEED, #1	: 0761
			14 12 00079	BNEQ	8\$	
		0C	AC D5 0007B	TSTL	INC_DELIM	: 0764
			0F 13 0007E	BEQL	8\$	
	53	04	BC 9A 00080	MOVZBL	@ENT, R3	: 0767
			52 D4 00084	CLRL	I	
			03 11 00086	BRB	7\$	
	68		00 FB 00088	CALLS	#0, EDT\$\$CS_RIGHT	: 0768

EDT\$CHMF INENT EDT\$CHMF INENT - find page and paragraph entitie 15-Sep-1984 23:56:01 YAX-11 Bliss-32 V4.0-742
V04-000 EDT\$FND_ENT - find page and paragraph entitie 14-Sep-1984 12:22:30 [EDT.SRC]CHMF INENT.BLI;1

F9 52 53 F3 0008B 7\$: AOBLEQ R3, I, 6\$
50 54 D0 0008F 8\$: MOVL SUCCÉD, R0
04 00092 RET

: 0770
: 0771

: Routine Size: 147 bytes, Routine Base: _EDT\$CODE + 0000

: 202 0772 1
: 203 0773 1 !<BLF/PAGE>

EDT\$CHMFINENT
V04-000

EDT\$CHMFINENT - find page and paragraph entitie 15-Sep-1984 23:56:01
EDT\$\$FND_ENT - find page and paragraph entitie 14-Sep-1984 12:22:30

VAX-11 Bliss-32 V4.0-742
[EDT.SRC]CHMFINENT.BLI;1

Page 7
(4)

: 205 0774 1 END
: 206 0775 1
: 207 0776 0 ELUDOM

! of module EDT\$CHMFINENT

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	147	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	1	0	40	00:00.2
_\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1

COMMAND QUALIFIERS

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

: Size: 147 code + 0 data bytes
: Run Time: 00:12.2
: Elapsed Time: 00:15.1
: Lines/CPU Min: 3816
: Lexemes/CPU-Min: 10386
: Memory Used: 78 pages
: Compilation Complete

CHMFINENT LIS	CHMINIT LIS
CHMGOUNT LIS	CHMGINSTR LIS
CHMGSUSTR LIS	CHMINSMOD LIS
CHMEMESS LIS	CHMINSTAB LIS
CHMENTRM LIS	CHMINSCHR LIS
CHMEXVERB LIS	CHMINDATE LIS
CHMFINSTR LIS	CHMGDTR LIS
CHMGQSTR LIS	CHMLPKPD LIS
CHMINSSTR LIS	CHMKEYWRD LIS
CHMENDWRD LIS	CHMEXCOM LIS