


```

FFFFFFFFF      IIIIII      NN      NN      DDDDDDDD      PPPPPPPP      AAAAAA      RRRRRRRR      AAAAAA
FFFFFFFFF      IIIIII      NN      NN      DDDDDDDD      PPPPPPPP      AAAAAA      RRRRRRRR      AAAAAA
FF           II           NN      NN      DD           DD      PP           PP      AA           AA      RR           RR      AA           AA
FF           II           NN      NN      DD           DD      PP           PP      AA           AA      RR           RR      AA           AA
FF           II           NNNN     NN      DD           DD      PP           PP      AA           AA      RR           RR      AA           AA
FF           II           NNNN     NN      DD           DD      PP           PP      AA           AA      RR           RR      AA           AA
FFFFFFFFF      II           NN      NN      DD           DD      PPPPPPPP     AA           AA      RRRRRRRR     AA           AA
FFFFFFFFF      II           NN      NN      DD           DD      PPPPPPPP     AA           AA      RRRRRRRR     AA           AA
FF           II           NN      NN      DD           DD      PP           PP      AAAAAAAAAA   RR           RR      AAAAAAAAAA   AA           AA
FF           II           NN      NN      DD           DD      PP           PP      AAAAAAAAAA   RR           RR      AAAAAAAAAA   AA           AA
FF           II           NN      NN      DD           DD      PP           PP      AA           AA      RR           RR      AA           AA
FF           II           NN      NN      DD           DD      PP           PP      AA           AA      RR           RR      AA           AA
FF           IIIIII     NN      NN      DDDDDDDD     PP           PP      AA           AA      RR           RR      AA           AA
FF           IIIIII     NN      NN      DDDDDDDD     PP           PP      AA           AA      RR           RR      AA           AA

```

```

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
LLLLLLLLLLL IIIIII     SSSSSSSS
LLLLLLLLLLL IIIIII     SSSSSSSS

```

```

1 0001 0 %TITLE 'EDT$FINDPARA - isolate wps paragraph entity'
2 0002 0 MODULE EDT$FINDPARA ( ! isolate wps paragraph entity
3 0003 0 IDENT = 'V04-000' . File: FINDPARA.BLI Edit: AMZ1006
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 isolate the WPS paragraph entity
37 0037 1
38 0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
39 0039 1
40 0040 1 AUTHOR: Shelly T. Solomon CREATION DATE: October 26, 1981
41 0041 1
42 0042 1 MODIFIED BY:
43 0043 1
44 0044 1 1-001 - Original. STS 26-Oct-1981.
45 0045 1 1-002 - Take out reference to EDT$$G LN NO. SMB 14-Sep-1982
46 0046 1 1-003 - Take out reference to EDT$$TST_EOB. STS 22-Sep-1982
47 0047 1 1-004 - Move over the delimiter when found. STS 21-Dec-1982
48 0048 1 1-005 - Improve the appearance of the listing. JBS 14-Jun-1983
49 0049 1 1-006 - Make backward searches work if on the 2nd to 4th characters of the
50 0050 1 paragraph. AMZ 5-Oct-1983
51 0051 1 --
52 0052 1

```

```
.. 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$$FND_WPARA;  
.. 63 0500 1  
.. 64 0501 1 :  
.. 65 0502 1 : INCLUDE FILES:  
.. 66 0503 1 :  
.. 67 0504 1  
.. 68 0505 1 REQUIRE 'EDTSRC:EDTREQ';  
.. 69 0640 1  
.. 70 0641 1 :  
.. 71 0642 1 : MACROS:  
.. 72 0643 1 :  
.. 73 0644 1 : NONE  
.. 74 0645 1 :  
.. 75 0646 1 : EQUATED SYMBOLS:  
.. 76 0647 1 :  
.. 77 0648 1 : NONE  
.. 78 0649 1 :  
.. 79 0650 1 : OWN STORAGE:  
.. 80 0651 1 :  
.. 81 0652 1 : NONE  
.. 82 0653 1 :  
.. 83 0654 1 : EXTERNAL REFERENCES:  
.. 84 0655 1 :  
.. 85 0656 1 : In the routine
```

```

87 0657 1 %SBTTL 'EDT$$$FND_WPARA - isolate wps paragraph entity'
88 0658 1
89 0659 1 GLOBAL ROUTINE EDT$$$FND_WPARA (           ! Isolate wps paragraph entity
90 0660 1     DIR                               ! Direction of movement
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 WPS paragraph entity.  It is found by looking
97 0667 1 ! for a string of consecutive carriage returns > 2.
98 0668 1
99 0669 1 ! FORMAL PARAMETERS:
100 0670 1
101 0671 1     DIR                               Direction of movement
102 0672 1
103 0673 1 ! IMPLICIT INPUTS:
104 0674 1
105 0675 1     EDT$$A_US_ENT
106 0676 1     EDT$$A_WK_LN
107 0677 1     EDT$$Z_EOB_LN
108 0678 1     EDT$$T_LN_BUF
109 0679 1     EDT$$A_LN_PTR
110 0680 1
111 0681 1 ! IMPLICIT OUTPUTS:
112 0682 1
113 0683 1     NONE
114 0684 1
115 0685 1 ! ROUTINE VALUE:
116 0686 1
117 0687 1     1 = success, 0 = couldn't find
118 0688 1
119 0689 1 ! SIDE EFFECTS:
120 0690 1
121 0691 1     NONE
122 0692 1
123 0693 1 !--
124 0694 1
125 0695 2     BEGIN
126 0696 2
127 0697 2     EXTERNAL ROUTINE
128 0698 2     EDT$$CS_BOTBUF,           ! Move to bottom of buffer
129 0699 2     EDT$$CS_LEFT,           ! Move left a character
130 0700 2     EDT$$CS_RIGHT,          ! Move right a character
131 0701 2     EDT$$STR_SEACMD,        ! Search for a specific string
132 0702 2     EDT$$CS_TOP;            ! Move to top of buffer
133 0703 2
134 0704 2     EXTERNAL
135 0705 2     EDT$$A_US_ENT : VECTOR,   ! Pointers to user defined entities
136 0706 2     EDT$$A_WK_LN : REF LIN_BLOCK,
137 0707 2     EDT$$Z_EOB_LN,
138 0708 2     EDT$$T_LN_BUF,           ! Current line buffer
139 0709 2     EDT$$A_LN_PTR;          ! Current character pointer
140 0710 2
141 0711 2 !+
142 0712 2 ! This routine is used to isolate the paragraph entity.  It is found by looking
143 0713 2 ! for a string of consecutive empty lines > 2.
```

```

: 144 0714 2 :-
: 145 0715 2
: 146 0716 2 LOCAL
: 147 0717 2 L_DIF,
: 148 0718 2 C;
: 149 0719 2
: 150 0720 2 +
: 151 0721 2 :- Remember where we are now.
: 152 0722 2 -
: 153 0723 2 C = 0;
: 154 0724 2
: 155 0725 3 IF (.DIR EQL DIR_FORWARD)
: 156 0726 3 THEN
: 157 0727 3 BEGIN
: 158 0728 3 +
: 159 0729 3 :- If we are at [EOB] we have not found it.
: 160 0730 3 -
: 161 0731 3
: 162 0732 3 IF (.EDT$$A_WK_LN EQLA EDT$$Z_EOB_LN) THEN RETURN (0);
: 163 0733 3
: 164 0734 3 +
: 165 0735 3 :- Skip all delimiters.
: 166 0736 3 -
: 167 0737 3
: 168 0738 4 WHILE ((CH$RCHAR (.EDT$$A_LN_PTR) EQL ASC K CR) AND !
: 169 0739 3 CH$PTR_EQL (.EDT$$A_LN_PTR, CH$PTR (EDT$$T_LN_BUF))) DO
: 170 0740 4 BEGIN
: 171 0741 4 C = .C + 1;
: 172 0742 4
: 173 0743 4 IF ( NOT EDT$$CS_RIGHT ()) THEN EXITLOOP;
: 174 0744 4
: 175 0745 4 END;
: 176 0746 3
: 177 0747 3 IF (.C GEQ 1) THEN RETURN (1);
: 178 0748 3
: 179 0749 3 C = EDT$$STR_SEACMD (
: 180 0750 3 CH$PTR (.EDT$$A_US_ENT [2], 1), !
: 181 0751 3 CH$RCHAR (CH$PTR (.EDT$$A_US_ENT [2])), !
: 182 0752 3 0, !
: 183 0753 3 DIR_FORWARD !
: 184 0754 3 );
: 185 0755 3
: 186 0756 3 IF .C
: 187 0757 3 THEN
: 188 0758 3 +
: 189 0759 3 :- We found the delimiter, now skip all of the delimiters
: 190 0760 3 -
: 191 0761 4 BEGIN
: 192 0762 4
: 193 0763 4 INCR I FROM 1 TO CH$RCHAR (CH$PTR (.EDT$$A_US_ENT [2])) DO
: 194 0764 4 EDT$$CS_RIGHT ();
: 195 0765 4
: 196 0766 5 WHILE ((CH$RCHAR (.EDT$$A_LN_PTR) EQL ASC K CR) AND !
: 197 0767 4 CH$PTR_EQL (.EDT$$A_LN_PTR, CH$PTR (EDT$$T_LN_BUF))) DO !
: 198 0768 4
: 199 0769 4 IF ( NOT EDT$$CS_RIGHT ()) THEN EXITLOOP;
: 200 0770 4
```

```

201      0771 4      RETURN (1);
202      0772 4      END
203      0773 3      ELSE
204      0774 4      BEGIN
205      0775 4      C = EDT$$CS_RIGHT ();
206      0776 4      EDT$$CS_BOTBUF ();
207      0777 4      RETURN (.C);
208      0778 4      END;
209      0779 3
210      0780 3      END
211      0781 2      ELSE
212      0782 2      BEGIN
213      0783 3      !+
214      0784 3      Move back one character to handle being on the first character of a paragraph.
215      0785 3      !-
216      0786 3
217      0787 3      EDT$$CS_LEFT ();
218      0788 3
219      0789 4      WHILE ((CH$RCHAR (.EDT$$A_LN_PTR) EQL ASC_K_CR) AND !
220      0790 3      CH$PTR_EQL (.EDT$$A_LN_PTR, CH$PTR (EDT$$T_LN_BUF))) DO
221      0791 3
222      0792 3      IF ( NOT EDT$$CS_LEFT ()) THEN EXITLOOP;
223      0793 3
224      0794 3      C = EDT$$STR_SEACMD (
225      0795 3      CH$PTR (.EDT$$A_US_ENT [2], 1), !
226      0796 3      CH$RCHAR (CH$PTR (.EDT$$A_US_ENT [2])), !
227      0797 3      1, !
228      0798 3      DIR_BACKWARD !
229      0799 3      );
230      0800 3
231      0801 3      IF .C
232      0802 3      THEN
233      0803 3      !+
234      0804 3      We found the delimiter, now move past it.
235      0805 3      !-
236      0806 4      BEGIN
237      0807 4
238      0808 4      INCR I FROM 1 TO CH$RCHAR (CH$PTR (.EDT$$A_US_ENT [2])) DO
239      0809 4      EDT$$CS_RIGHT ();
240      0810 4
241      0811 4      RETURN (1);
242      0812 4      END
243      0813 3      ELSE
244      0814 4      BEGIN
245      0815 4      C = EDT$$CS_LEFT ();
246      0816 4      EDT$$CS_TOP ();
247      0817 4      RETURN (.C);
248      0818 4      END;
249      0819 3
250      0820 2      END;
251      0821 2
252      0822 1      END;

```

! of routine EDT\$\$FND_WPARA

.TITLE EDT\$FINDPARA EDT\$FINDPARA - isolate wps paragraph entity
.IDENT \V04-000\

```

                                07FC 00000
                                .ENTRY EDT$$FND_WPARA, Save R2,R3,R4,R5,R6,R7,R8,- ; 0659
                                R9,R10
5A 00000000G 00 9E 00002 MOVAB EDT$$STR_SEACMD, R10
59 00000000G 00 9E 00009 MOVAB EDT$$CS_LEFT, R9
58 00000000G 00 9E 00010 MOVAB EDT$$T_LN_BUF, R8
57 00000000G 00 9E 00017 MOVAB EDT$$A_LN_PTR, R7
56 00000000G 00 9E 0001E MOVAB EDT$$A_US_ENT+8, R6
55 00000000G 00 9E 00025 MOVAB EDT$$CS_RIGHT, R5
                                54 D4 0002C CLR C
01 04 AC D1 0002E CMPL DIR, #1
                                7D 12 00032 BNEQ 8$
50 00000000G 00 9E 00034 MOVAB EDT$$Z_EOB_LN, R0
50 00000000G 00 D1 0003B CMPL EDT$$A_WK_LN, R0
                                03 12 00042 BNEQ 1$
                                00BE 31 00044 BRW 16$
51 67 D0 00047 1$: MOVL EDT$$A_LN_PTR, R1
0D 61 91 0004A CMPB (R1), #13
                                10 12 0004D BNEQ 2$
50 68 9E 0004F MOVAB EDT$$T_LN_BUF, R0
50 51 D1 00052 CMPL R1, R0
                                08 12 00055 BNEQ 2$
                                54 D6 00057 INCL C
65 00 FB 00059 CALLS #0, EDT$$CS_RIGHT
E8 50 E8 0005C BLBS R0, 1$
                                54 D5 0005F 2$: TSTL C
                                3D 14 00061 BGTR 6$
                                01 DD 00063 PUSHL #1
                                7E D4 00065 CLR C
50 66 D0 00067 MOVL EDT$$A_US_ENT+8, R0
7E 60 9A 0006A MOVZBL (R0), =(SP)
                                01 A0 9F 0006D PUSHAB 1(R0)
6A 04 FB 00070 CALLS #4, EDT$$STR_SEACMD
54 50 D0 00073 MOVL R0, C
29 54 E9 00076 BLBC C, 7$
50 66 D0 00079 MOVL EDT$$A_US_ENT+8, R0
53 60 9A 0007C MOVZBL (R0), R3
                                52 D4 0007F CLR I
                                03 11 00081 BRB 4$
65 00 FB 00083 3$: CALLS #0, EDT$$CS_RIGHT
52 53 F3 00086 4$: AOBLEQ R3, I, 3$
51 67 D0 0008A 5$: MOVL EDT$$A_LN_PTR, R1
0D 61 91 0008D CMPB (R1), #13
                                5E 12 00090 BNEQ 13$
50 68 9E 00092 MOVAB EDT$$T_LN_BUF, R0
50 51 D1 00095 CMPL R1, R0
                                56 12 00098 BNEQ 13$
65 00 FB 0009A CALLS #0, EDT$$CS_RIGHT
EA 50 E8 0009D BLBS R0, 5$

```

F9

	65	4E 11 000A0	6\$:	BRB	13\$:	0774
	54	00 FB 000A2	7\$:	CALLS	#0, EDT\$\$CS_RIGHT	:	0775
00000000G	00	50 D0 000A5		MOVL	R0, C	:	
		00 FB 000A8		CALLS	#0, EDT\$\$CS_BOTBUF	:	0776
		50 11 000AF		BRB	15\$:	0777
	69	00 FB 000B1	8\$:	CALLS	#0, EDT\$\$CS_LEFT	:	0787
	51	67 D0 000B4	9\$:	MOVL	EDT\$\$A_LN_PTR, R1	:	0789
	0D	61 91 000B7		CMPB	(R1), #13	:	
		0E 12 000BA		BNEQ	10\$:	
	50	68 9E 000BC		MOVAB	EDT\$\$T_LN_BUF, R0	:	0790
	50	51 D1 000BF		CMPL	R1, R0	:	
		06 12 000C2		BNEQ	10\$:	
	69	00 FB 000C4		CALLS	#0, EDT\$\$CS_LEFT	:	0792
	EA	50 E8 000C7		BLBS	R0, 9\$:	
	7E	01 7D 000CA	10\$:	MOVQ	#1, -(SP)	:	0796
	50	66 D0 000CD		MOVL	EDT\$\$A_US_ENT+8, R0	:	
	7E	60 9A 000DC		MOVZBL	(R0), -(SP)	:	
		A0 9F 000D3		PUSHAB	1(R0)	:	0795
	6A	04 FB 000D6		CALLS	#4, EDT\$\$STR_SEACMD	:	0796
	54	50 D0 000D9		MOVL	R0, C	:	
	15	54 E9 000DC		BLBC	C, 14\$:	0801
	50	66 D0 000DF		MOVL	EDT\$\$A_US_ENT+8, R0	:	0808
	53	60 9A 000E2		MOVZBL	(R0), R3	:	
		52 D4 000E5		CLRL	I	:	
		03 11 000E7		BRB	12\$:	
	65	00 FB 000E9	11\$:	CALLS	#0, EDT\$\$CS_RIGHT	:	0809
F9	52	53 F3 000EC	12\$:	AOBLEQ	R3, I, 11\$:	
	50	01 D0 000F0	13\$:	MOVL	#1, R0	:	0814
		04 000F3		RET		:	
	69	00 FB 000F4	14\$:	CALLS	#0, EDT\$\$CS_LEFT	:	0815
	54	50 D0 000F7		MOVL	R0, C	:	
00000000G	00	00 FB 000FA		CALLS	#0, EDT\$\$CS_TOP	:	0816
	50	54 D0 00101	15\$:	MOVL	C, R0	:	0817
		04 00104		RET		:	0782
		50 D4 00105	16\$:	CLRL	R0	:	0822
		04 00107		RET		:	

: Routine Size: 264 bytes, Routine Base: _EDT\$CODE + 0000

: 253 0823 1
: 254 0824 1 !<BLF/PAGE>

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	264	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	12	3	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=LISS:FINDPARA/OBJ=OBJ\$:FINDPARA MSRCS:FINDPARA.BLI/UPDATE=(ENHS:FINDPARA)

```

: Size: 264 code + 0 data bytes
: Run Time: 00:16.3
: Elapsed Time: 00:20.0
: Lines/CPU Min: 3051
: Lexemes/CPU-Min: 9977
: Memory Used: 106 pages
: Compilation Complete

```

