


```

1 0001 0 XTITLE 'EDT$FILL - fill command'
2 0002 0 MODULE EDT$FILL ( ! Fill command
3 0003 0 IDENT = 'V04-000' ! File: FILL.BLI, Edit: JBS2002
4 0004 0 ) =
5 0005 1 BEGIN
6 0006 1
7 0007 1 *****
8 0008 1 *
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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 implements the fill command for line mode
37 0037 1 or change mode.
38 0038 1
39 0039 1 ENVIRONMENT: user mode.
40 0040 1
41 0041 1 AUTHOR: Bob Kushlis, CREATION DATE: 11-OCT-1979
42 0042 1
43 0043 1 MODIFIED BY:
44 0044 1
45 0045 1 2-001 - Regularize headers. JBS 05-Mar-1981
46 0046 1 2-002 - Improve the appearance of the listing. JBS 14-Jun-1983
47 0047 1 --
48 0048 1

```

EDT\$FILL
V04-000

EDT\$FILL - fill command
Declarations

E 14
16-Sep-1984 00:22:47
14-Sep-1984 12:23:06

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

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ED
VO

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: 50      0049 1 %SBTTL 'Declarations'
: 51      0050 1
: 52      0051 1 : TABLE OF CONTENTS:
: 53      0052 1
: 54      0053 1
: 55      0054 1 REQUIRE 'EDTSRC:TRARGUNAM';
: 56      0493 1
: 57      0494 1 FORWARD ROUTINE
: 58      0495 1     EDT$$FILL_TXT;
: 59      0496 1
: 60      0497 1
: 61      0498 1 : INCLUDE FILES:
: 62      0499 1
: 63      0500 1
: 64      0501 1 REQUIRE 'EDTSRC:EDTREQ';
: 65      0636 1
: 66      0637 1
: 67      0638 1 : MACROS:
: 68      0639 1
: 69      0640 1     NONE
: 70      0641 1
: 71      0642 1 : EQUATED SYMBOLS:
: 72      0643 1
: 73      0644 1     NONE
: 74      0645 1
: 75      0646 1 : OWN STORAGE:
: 76      0647 1
: 77      0648 1     NONE
: 78      0649 1
: 79      0650 1 : EXTERNAL REFERENCES:
: 80      0651 1
: 81      0652 1 :     In the routine

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```
83 0653 1 %SBTTL 'EDT$$FILL_TXT - fill command'
84 0654 1
85 0655 1 GLOBAL ROUTINE EDT$$FILL_TXT (           ! Fill command
86 0656 1     NLINES                               ! Number of lines to process
87 0657 1     ) =
88 0658 1
89 0659 1  !++
90 0660 1  FUNCTIONAL DESCRIPTION:
91 0661 1
92 0662 1      Do filling, in both line and change mode.
93 0663 1
94 0664 1  FORMAL PARAMETERS:
95 0665 1
96 0666 1      NLINES                The number of lines to fill
97 0667 1
98 0668 1  IMPLICIT INPUTS:
99 0669 1
100 0670 1      EDT$$G_WD_WRAP
101 0671 1      EDT$$G_TI_WID
102 0672 1      EDT$$T_LN_BUF
103 0673 1      EDT$$G_LN_LEN
104 0674 1      EDT$$A_WK_LN
105 0675 1
106 0676 1  IMPLICIT OUTPUTS:
107 0677 1
108 0678 1      NONE
109 0679 1
110 0680 1  ROUTINE VALUE:
111 0681 1
112 0682 1      The number of lines filled.
113 0683 1
114 0684 1  SIDE EFFECTS:
115 0685 1
116 0686 1      NONE
117 0687 1
118 0688 1  --
119 0689 1
120 0690 2  BEGIN
121 0691 2
122 0692 2  EXTERNAL ROUTINE
123 0693 2      EDT$$FMT_CHWID,
124 0694 2      EDT$$DEL_CURLN,
125 0695 2      EDT$$INS_LN,
126 0696 2      EDT$$START_INS,
127 0697 2      EDT$$END_IRS,
128 0698 2      EDT$$RD_RXTLN;
129 0699 2
130 0700 2  EXTERNAL
131 0701 2      EDT$$G_WD_WRAP,
132 0702 2      EDT$$G_TI_WID,
133 0703 2      EDT$$T_LN_BUF,
134 0704 2      EDT$$G_LN_LEN,
135 0705 2      EDT$$A_WK_LN : REF LIN_BLOCK;
136 0706 2
137 0707 2  LABEL
138 0708 2      PUTLINE;
139 0709 2
```

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140 0710 2 LOCAL
141 0711 2 MARGIN,
142 0712 2 COL,
143 0713 2 I,
144 0714 2 LC,
145 0715 2 LP,
146 0716 2 SP,
147 0717 2 REM,
148 0718 2 LEN,
149 0719 2 NL;
150 0720
151 0721 2 !+
152 0722 2 ! Determine the margin.
153 0723 2 !-
154 0724 2
155 0725 2 IF (.EDTSSG_WD_WRAP NEQ 256) THEN MARGIN = .EDTSSG_WD_WRAP ELSE MARGIN = .EDTSSG_TI_WID - 1;
156 0726 2
157 0727 2 !+
158 0728 2 ! Set the filled line buffer to empty,
159 0729 2 ! The column number to 0,
160 0730 2 ! And the count of lines processed to 0.
161 0731 2 !-
162 0732 2 LP = CH$PTR (EDT$ST_LN_BUF);
163 0733 2 LC = 0;
164 0734 2 COL = 0;
165 0735 2 I = .EDTSSA_WK_LN [LIN_LENGTH];
166 0736 2 NL = 0;
167 0737 2 !+
168 0738 2 ! Loop until NLINES have been processed.
169 0739 2 !-
170 0740 2
171 0741 2 INCR J FROM 1 TO .NLINES DO
172 0742 3 BEGIN
173 0743 3 !+
174 0744 3 ! Strip trailing blanks and tabs
175 0745 3 !-
176 0746 3 LEN = .EDTSSA_WK_LN [LIN_LENGTH];
177 0747 3 SP = CH$PTR (EDTSSA_WK_LN [LIN_TEXT], .LEN);
178 0748 3
179 0749 3 WHILE CH$PTR_GTR (.SP, EDTSSA_WK_LN [LIN_TEXT]) DO
180 0750 4 BEGIN
181 0751 4 SP = CH$PLUS (.SP, -1);
182 0752 4
183 0753 4 IF ((CH$RCHAR (.SP) NEQ %C' ') AND (CH$RCHAR (.SP) NEQ ASC_K_TAB)) THEN EXITLOOP;
184 0754 4
185 0755 4 LEN = .LEN - 1;
186 0756 3 END;
187 0757 3
188 0758 4 IF (.LEN NEQ 0)
189 0759 3 THEN
190 0760 4 BEGIN
191 0761 4
192 0762 4 INCR I FROM 0 TO .LEN DO
193 0763 5 BEGIN
194 0764 5
195 0765 6 IF (.I EQL .LEN)
196 0766 5 THEN

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! The column number of the right margin.
! Current column of filled line buffer.
! Index into the input line.
! Count of lines processed.
! Pointer into filled line buffer.
! Pointer used when scanning back for spaces.
! No of characters remaining after fill line.
! Length of input line.
! No of new lines created.

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```
197 0767 5 CH$WCHAR (XC' ', .LP)
198 0768 5 ELSE
199 0769 5 CH$WCHAR (CH$RCHAR (CH$PTR (EDT$SA_WK_LN [LIN_TEXT], .I)), .LP);
200 0770 5
201 0771 5 COL = .COL + EDT$FMT_CHWID (CH$RCHAR_A (LP), .COL);
202 0772 5
203 0773 6 IF (.COL GTR .MARGIN)
204 0774 5 THEN
205 0775 5 PUTLINE :
206 0776 6 BEGIN
207 0777 6 !+
208 0778 6 ! Back up to a space.
209 0779 6 !-
210 0780 6 SP = CH$PLUS (.LP, -1);
211 0781 6
212 0782 6 WHILE (CH$RCHAR (.SP) NEQ XC' ') DO
213 0783 6
214 0784 7 IF CH$PTR_EQL (.SP, CH$PTR (EDT$ST_LN_BUF))
215 0785 6 THEN
216 0786 6 LEAVE PUTLINE
217 0787 6 ELSE
218 0788 6 SP = CH$PLUS (.SP, -1);
219 0789 6
220 0790 6 !+
221 0791 6 ! Insert the new line.
222 0792 6 !-
223 0793 6 EDT$START_INS ();
224 0794 6 EDT$INS_LN (CH$PTR (EDT$ST_LN_BUF), CH$DIFF (.SP, CH$PTR (EDT$ST_LN_BUF)));
225 0795 6 EDT$END_INS ();
226 0796 6 NL = .NL + 1;
227 0797 6 !+
228 0798 6 ! And move the remaining characters to the beginning
229 0799 6 ! of the buffer.
230 0800 6 !-
231 0801 6 SP = CH$PLUS (.SP, 1);
232 0802 6 EDT$COPY_MEM (CH$DIFF (.LP, .SP), .SP, CH$PTR (EDT$ST_LN_BUF));
233 0803 6 COL = 0;
234 0804 6 REM = CH$DIFF (.LP, .SP);
235 0805 6 LP = CH$PTR (EDT$ST_LN_BUF);
236 0806 6
237 0807 6 DECR I FROM .REM - 1 TO 0 DO
238 0808 6 COL = .COL + EDT$FMT_CHWID (CH$RCHAR_A (LP), .COL);
239 0809 6
240 0810 5 END;
241 0811 5
242 0812 4 END;
243 0813 4
244 0814 4 EDT$DEL_CURLN ();
245 0815 4 END
246 0816 3 ELSE
247 0817 3 !+
248 0818 3 ! Line was blank, break the fill at this point by inserting
249 0819 3 ! whatever remains from the previous line.
250 0820 3 !-
251 0821 4 BEGIN
252 0822 4 !+
253 0823 4 ! Insert the remainder of new line.
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```

254 0824 4 !-
255 0825 4
256 0826 5 IF CHSPTR_NEQ (.LP, CHSPTR (EDT$ST_LN_BUF))
257 0827 4 THEN
258 0828 5 BEGIN
259 0829 5 EDT$START_INS ();
260 0830 5 EDT$INS_LN (EDT$ST_LN_BUF, CHSDIFF (.LP, CHSPTR (EDT$ST_LN_BUF)));
261 0831 5 EDT$END_INS ();
262 0832 5 NL = .NL + 1;
263 0833 5 LP = CHSPTR (EDT$ST_LN_BUF);
264 0834 5 COL = 0;
265 0835 4 END;
266 0836 4
267 0837 4 EDT$RD_NXTLN ();
268 0838 4 NL = .NL + 1;
269 0839 4 END
270 0840 4
271 0841 2 END;
272 0842 2
273 0843 3 IF CHSPTR_NEQ (.LP, CHSPTR (EDT$ST_LN_BUF))
274 0844 2 THEN
275 0845 3 BEGIN
276 0846 3 EDT$START_INS ();
277 0847 3 EDT$INS_LN (EDT$ST_LN_BUF, CHSDIFF (.LP, CHSPTR (EDT$ST_LN_BUF)));
278 0848 3 EDT$END_INS ();
279 0849 3 NL = .NL + 1;
280 0850 2 END;
281 0851 2
282 0852 2 RETURN (.NL);
283 0853 1 END;

```

! of routine EDTSSFILL_TXT

				.TITLE	EDTSFILL EDTSFILL - fill command	
				.IDENT	\V04-000\	
				.EXTRN	EDT\$FMT_CHWID, EDT\$DEL_CURLN	
				.EXTRN	EDT\$INS_LN, EDT\$START_INS	
				.EXTRN	EDT\$END_INS, EDT\$RD_NXTLN	
				.EXTRN	EDT\$G_WD_WRAP, EDT\$G_TI_WID	
				.EXTRN	EDT\$ST_LN_BUF, EDT\$G_CN_CEN	
				.EXTRN	EDT\$A_WK_LN	
				.PSECT	_EDT\$CODE, NOWRT, SHR, PIC, 2	
			OFFC 00000	.ENTRY	EDTSSFILL_TXT, Save R2,R3,R4,R5,R6,R7,R8,-	0655
					R9,R10,R11	
				SUBL2	#16, SP	
				MOVL	EDT\$G_WD_WRAP, R0	0725
				CML	R0, #256	
				BEQL	1\$	
				MOVL	R0, MARGIN	
				BRB	2\$	
				SUBL3	#1, EDT\$G_TI_WID MARGIN	
				MOVAB	EDT\$ST_LN_BUF, LP	0732
				LC		0733
				MOVL	EDT\$A_WK_LN, R0	0735
				MOVZBL	(R0), I	
00000100	5E	10	C2 00002			
	50	00	D0 00005			
	8F	50	D1 0000C			
		05	13 00013			
	6E	50	D0 00015			
		08	11 00018			
6E 0000000G	00	01	C3 0001A 1\$:			
	56	00	9E 00022 2\$:			
		50	D4 00029			
	50	00	D0 0002B			
	50	60	9A 00032			

		00000000G	00	02	FB	00106		CALLS	#2, EDTSSFMT_CHWID		
		04	AE	50	CO	0010D		ADDL2	RO, COL		
			EC	52	F4	00111	14\$:	SOBGEQ	I, 13\$		
FF57	5B		01	5A	F1	00114	15\$:	ACBL	LEN, #1, I, 8\$		0762
		00000000G	00	00	FB	0011A		CALLS	#0, EDTSSDEL_CURLN		0814
				49	11	00121		BRB	18\$		0758
			50	00000000G	00	9E	00123	16\$:	MOVAB	EDT\$ST_LN_BUF, RO	0826
			50		56	D1	0012A		CMPL	LP, RO	
					33	13	0012D		BEQL	17\$	
		00000000G	00	00	FB	0012F		CALLS	#0, EDT\$START_INS		0829
			50	00000000G	00	9E	00136		MOVAB	EDT\$ST_LN_BUF, -RO	0830
	7E		56		50	C3	0013D		SUBL3	RO, LP, -(SP)	
				00000000G	00	9F	00141		PUSHAB	EDT\$ST_LN_BUF	
		00000000G	00	02	FB	00147		CALLS	#2, EDT\$INS_LN		
		00000000G	00	00	FB	0014E		CALLS	#0, EDT\$END_INS		0831
				0C	AE	D6	00155		INCL	NL	0832
			56	00000000G	00	9E	00158		MOVAB	EDT\$ST_LN_BUF, LP	0833
			04		AE	D4	0015F		CLRL	COL	0834
		00000000G	00	00	FB	00162	17\$:	CALLS	#0, EDT\$RD_NXTLN		0837
				0C	AE	D6	00169		INCL	NL	0838
FECA	08	AE	01	04	AC	F1	0016C	18\$:	ACBL	NLINES, #1, J, 3\$	0758
			50	00000000G	00	9E	00174		MOVAB	EDT\$ST_LN_BUF, RO	0843
			50		56	D1	0017B		CMPL	LP, RO	
					29	13	0017E		BEQL	19\$	
		00000000G	00	00	FB	00180		CALLS	#0, EDT\$START_INS		0846
			50	00000000G	00	9E	00187		MOVAB	EDT\$ST_LN_BUF, -RO	0847
	7E		56		50	C3	0018E		SUBL3	RO, LP, -(SP)	
				00000000G	00	9F	00192		PUSHAB	EDT\$ST_LN_BUF	
		00000000G	00	02	FB	00198		CALLS	#2, EDT\$INS_LN		
		00000000G	00	00	FB	0019F		CALLS	#0, EDT\$END_INS		0848
				0C	AE	D6	001A6		INCL	NL	0849
			50	0C	AE	D0	001A9	19\$:	MOVL	NL, RO	0852
					04	001AD		RET			0853

; Routine Size: 430 bytes, Routine Base: _EDT\$CODE + 0000

; 284 0854 1
; 285 0855 1 !<BLF/PAGE>

EDT\$FILL
V04-000

EDT\$FILL - fill command
EDT\$\$FILL_TXT - fill command

L 14
16-Sep-1984 00:22:47
14-Sep-1984 12:23:06

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

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ED
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: 287 0856 1 END
: 288 0857 1
: 289 0858 0 EL'DOM

. of module EDT\$FILL

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	430	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=LIS\$:FILL/OBJ=OBJ\$:FILL MSRC\$:FILL.BLI/UPDATE=(ENH\$:FILL)

: Size: 430 code + 0 data bytes
: Run Time: 00:22.0
: Elapsed Time: 00:26.2
: Lines/CPU Min: 2338
: Lexemes/CPU-Min: 8314
: Memory Used: 139 pages
: Compilation Complete

