


```

LL      DDDDDDDD  EEEEEEEEEE  FFFFFFFFFF  MM      MM
LL      DDDDDDDD  EEEEEEEEEE  FFFFFFFFFF  MM      MM
LL      DD        DD  EE          FF          MMMM  MMMM
LL      DD        DD  EE          FF          MMMM  MMMM
LL      DD        DD  EE          FF          MM  MM  MM
LL      DD        DD  EE          FF          MM  MM  MM
LL      DD        DD  EEEEEEEE  FFFFFFFF  MM      MM
LL      DD        DD  EEEEEEEE  FFFFFFFF  MM      MM
LL      DD        DD  EE          FF          MM      MM
LL      DD        DD  EE          FF          MM      MM
LL      DD        DD  EE          FF          MM      MM
LL      DD        DD  EE          FF          MM      MM
LLLLLLLLLL  DDDDDDDD  EEEEEEEEEE  FF          MM      MM
LLLLLLLLLL  DDDDDDDD  EEEEEEEEEE  FF          MM      MM

```

```

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$LDEFM - DEFINE MACRO line-mode command'
2 0002 0 MODULE EDT$LDEFM ( ! DEFINE MACRO line-mode command
3 0003 0 IDENT = 'V04-000' ! File: LDEFM.BLI Edit: JBS1005
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 executes the line mode DEFINE MACRO command.
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: February 3, 1978
41 0041 1
42 0042 1 MODIFIED BY:
43 0043 1
44 0044 1 1-001 - Original. DJS 30-JAN-1981. This module was created by
45 0045 1 extracting the routine EDT$$DEFM_CMD from the module EXEC.BLI.
46 0046 1 1-002 - Regularize headers. JBS 19-Mar-1981
47 0047 1 1-003 - Implement virtual memory deallocation, and remove the separate
48 0048 1 macro description block. Add a field to the TBCB whic will point
49 0049 1 to the buffer containing the next macro. TMV 6-Aug-81
50 0050 1 1-004 - Use the new message codes. JBS 06-Aug-1981
51 0051 1 1-005 - Regularize format. JBS 04-May-1982
52 0052 1 --
53 0053 1

```

```
.. 55      0054 1 %SBTTL 'Declarations'  
.. 56      0055 1  
.. 57      0056 1 : TABLE OF CONTENTS:  
.. 58      0057 1 :  
.. 59      0058 1  
.. 60      0059 1 REQUIRE 'EDT$RC:TRAROUNAM';  
.. 61      0498 1  
.. 62      0499 1 FORWARD ROUTINE  
.. 63      0500 1     EDT$$DEFM_CMD : NOVALUE;  
.. 64      0501 1  
.. 65      0502 1 :  
.. 66      0503 1 : INCLUDE FILES:  
.. 67      0504 1 :  
.. 68      0505 1  
.. 69      0506 1 REQUIRE 'EDT$RC:EDTREQ';  
.. 70      0641 1  
.. 71      0642 1 :  
.. 72      0643 1 : MACROS:  
.. 73      0644 1 :  
.. 74      0645 1 :     NONE  
.. 75      0646 1 :  
.. 76      0647 1 : EQUATED SYMBOLS:  
.. 77      0648 1 :  
.. 78      0649 1 :     NONE  
.. 79      0650 1 :  
.. 80      0651 1 : OWN STORAGE:  
.. 81      0652 1 :  
.. 82      0653 1 :     NONE  
.. 83      0654 1 :  
.. 84      0655 1 : EXTERNAL REFERENCES:  
.. 85      0656 1 :  
.. 86      0657 1 :     In the routine
```

! Process the DEFINE MACRO command

```

: 88      0658 1 %SBTTL 'EDT$$DEFM_CMD - DEFINE MACRO line-mode command'
: 89      0659 1
: 90      0660 1 GLOBAL ROUTINE EDT$$DEFM_CMD          ! DEFINE MACRO line-mode command
: 91      0661 1      : NOVALUE =
: 92      0662 1
: 93      0663 1 !++
: 94      0664 1 ! FUNCTIONAL DESCRIPTION:
: 95      0665 1
: 96      0666 1      Command processing routine for DEFINE MACRO. A new text buffer
: 97      0667 1      is created if it did not already exist, and it is added to the
: 98      0668 1      list of macros. Each macro is described by a control block
: 99      0669 1      called a MAC_DESC which has a pointer to the TBCB for the macro
100     0670 1      and the address of the next MAC_DESC.
101     0671 1
102     0672 1 FORMAL PARAMETERS:
103     0673 1
104     0674 1     NONE
105     0675 1
106     0676 1 IMPLICIT INPUTS:
107     0677 1
108     0678 1     EDT$$A_EXE_CURCMD
109     0679 1
110     0680 1 IMPLICIT OUTPUTS:
111     0681 1
112     0682 1     NONE
113     0683 1
114     0684 1 ROUTINE VALUE:
115     0685 1
116     0686 1     NONE
117     0687 1
118     0688 1 SIDE EFFECTS:
119     0689 1
120     0690 1     NONE
121     0691 1
122     0692 1 --
123     0693 1
124     0694 2     BEGIN
125     0695 2
126     0696 2     EXTERNAL ROUTINE
127     0697 2     EDT$$FMT_MSG,
128     0698 2     EDT$$FND_BUF,
129     0699 2     EDT$$RD_CURLN;
130     0700 2
131     0701 2     EXTERNAL
132     0702 2     EDT$$A_BUF_LST : REF TBCB_BLOCK,
133     0703 2     EDT$$A_CUR_BUF : REF TBCB_BLOCK,
134     0704 2     EDT$$A_EXE_CURCMD : REF NODE_BLOCK;          ! Pointer to the current command.
135     0705 2
136     0706 2     MESSAGES ((INSMEM));
137     0707 2
138     0708 2     LOCAL
139     0709 2     SAVE TBCB,
140     0710 2     RANGE : REF NODE_BLOCK;
141     0711 2
142     0712 2 !+
143     0713 2 ! Save current TBCB so we can get back,
144     0714 2 !-

```

```

145 0715 2   SAVE_TBCB = .EDTSSA_CUR_BUF;
146 0716 2   RANGE = .EDTSSA_EXE_CURCMD [RANGE1];
147 0717 2   +
148 0718 2   | Find or create the buffer to be defined.
149 0719 2   |
150 0720 2   |
151 0721 2   | IF EDTSSFND_BUF (.RANGE [BUF_NAME], .RANGE [BUF_LEN])
152 0722 2   | THEN
153 0723 2   |
154 0724 2   | Designate the buffer as a macro.
155 0725 2   |
156 0726 2   |     EDTSSA_CUR_BUF [TBCB_IS_MAC] = 1
157 0727 2   | ELSE
158 0728 2   |
159 0729 2   | Memory allocation failed. Put out a message.
160 0730 2   |
161 0731 2   |     EDTSSFMT_MSG (EDT$_INSMEM);
162 0732 2   |
163 0733 2   |
164 0734 2   | Position back to the original text buffer.
165 0735 2   |
166 0736 2   |     EDTSSA_CUR_BUF = .SAVE_TBCB;
167 0737 2   |     EDTSSRD_CURLN ();
168 0738 1   | END;

```

! of routine EDTSSDEFM_CMD

```

.TITLE EDTSLDEFM EDTSLDEFM - DEFINE MACRO line-mode co
       mmand
.IDENT \V04-000\
.EXTRN EDTSSFMT_MSG, EDTSSFND_BUF
.EXTRN EDTSSRD_CURLN, EDTSSA_BUF_LST
.EXTRN EDTSSA_CUR_BUF, EDTSSA_EXE_CURCMD
.EXTRN EDT$_INSMEM

```

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

			000C 00000	.ENTRY	EDTSSDEFM_CMD, Save R2,R3	: 0660
	53	00000000G	00 9E 00002	MOVAB	EDTSSA_CUR_BUF, R3	: 0715
	52		63 D0 00009	MOVL	EDTSSA_CUR_BUF, SAVE_TBCB	: 0716
	50	00000000G	00 D0 0000C	MOVL	EDTSSA_EXE_CURCMD, R0	
	50	04	A0 D0 00013	MOVL	4(R0), RANGE	
	7E	08	A0 7D 00017	MOVQ	8(RANGE), -(SP)	: 0721
	00000000G	00	02 FB 0001B	CALLS	#2, EDTSSFND_BUF	
	09		50 E9 00022	BLBC	R0, 1\$	
	50		63 D0 00025	MOVL	EDTSSA_CUR_BUF, R0	: 0726
	2B	A0	01 90 00028	MOVB	#1, 43(R0)	
			0D 11 0002C	BRB	2\$	
		00000000G	8F DD 0002E 1\$:	PUSHL	#EDT\$_INSMEM	: 0731
	00000000G	00	01 FB 00034	CALLS	#1, EDTSSFMT_MSG	
	63		52 D0 0003B 2\$:	MOVL	SAVE_TBCB, EDTSSA_CUR_BUF	: 0736
	00000000G	00	00 FB 0003E	CALLS	#0, EDTSSRD_CURLN	: 0737
			04 00045	RET		: 0738

; Routine Size: 70 bytes, Routine Base: _EDT\$CODE + 0000

EDTSLDEFM
V04-000

EDTSLDEFM - DEFINE MACRO line-mode command
EDTSSDEFM_CMD - DEFINE MACRO line-mode command

C 14
16-Sep-1984 00:47:44
14-Sep-1984 12:23:31

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]LDEFM.BLI;1 Page 5 (3)

**F

: 169
: 170

0739 1
0740 1 !<BLF/PAGE>

172 0741 1 END ! of module EDTSLDEFM
 173 0742 1
 174 0743 0 ELUDOM

PSECT SUMMARY

Name	Bytes	Attributes
_EDTSCODE	70	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	74	19	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\$:LDEFM/OBJ=OBJ\$:LDEFM MSRC\$:LDEFM.BLI/UPDATE=(ENHS:LDEFM)

Size: 70 code + 0 data bytes
 Run Time: 00:10.7
 Elapsed Time: 00:13.0
 Lines/CPU Min: 4181
 Lexemes/CPU-Min: 12405
 Memory Used: 74 pages
 Compilation Complete

