```
EEEEEEEEEEEEEEE  DDDDDDDDDDD     TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD    TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD    TTTTTTTTTTTTTTT
EEE              DDD         DDD       TTT
EEE              DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEEEEEEEEEEE     DDD          DDD      TTT
EEEEEEEEEEEE     DDD          DDD      TTT
EEEEEEEEEEEE     DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDD          TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD         TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD         TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD         TTT
```

```
PPPPPPPP    RRRRRRRR      GGGGGGGG  EEEEEEEEEE  TTTTTTTTTT  TTTTTTTTTT    000000    KK      KK
PPPPPPPP    RRRRRRRR      GGGGGGGG  EEEEEEEEEE  TTTTTTTTTT  TTTTTTTTTT    000000    KK      KK
PP      PP  RR      RR    GG        EE              TT          TT      00      00  KK      KK
PP      PP  RR      RR    GG        EE              TT          TT      00      00  KK      KK
PP      PP  RR      RR    GG        EE              TT          TT      00      00  KK    KK
PP      PP  RR      RR    GG        EE              TT          TT      00      00  KK    KK
PPPPPPPP    RRRRRRRR      GG        EEEEEEEE        TT          TT      00      00  KKKKKK
PPPPPPPP    RRRRRRRR      GG        EEEEEEEE        TT          TT      00      00  KKKKKK
PP          RR  RR        GG  GGGGGG  EE              TT          TT      00      00  KK    KK
PP          RR  RR        GG  GGGGGG  EE              TT          TT      00      00  KK    KK
PP          RR    RR      GG      GG  EE              TT          TT      00      00  KK      KK      ....
PP          RR    RR      GG      GG  EE              TT          TT      00      00  KK      KK      ....
PP          RR      RR      GGGGGG    EEEEEEEEEE      TT          TT        000000    KK      KK      ....
PP          RR      RR      GGGGGG    EEEEEEEEEE      TT          TT        000000    KK      KK      ....

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 %TITLE 'EDT$PRGETTOK - scan a token'
;  2          0002  0 MODULE EDT$PRGETTOK (                       ! Scan a token
;  3          0003  0                     IDENT = 'V04-000'       ! File: PRGETTOK.BLI Edit: JBS1012
;  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                                  *
; 10          0010  1 !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                   *
; 11          0011  1 !*  ALL RIGHTS RESERVED.                                                     *
; 12          0012  1 !*                                                                           *
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; 14          0014  1 !*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE  *
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; 16          0016  1 !*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY   *
; 17          0017  1 !*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY   *
; 18          0018  1 !*  TRANSFERRED.                                                             *
; 19          0019  1 !*                                                                           *
; 20          0020  1 !*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE   *
; 21          0021  1 !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT   *
; 22          0022  1 !*  CORPORATION.                                                             *
; 23          0023  1 !*                                                                           *
; 24          0024  1 !*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS   *
; 25          0025  1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                  *
; 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 !       Scan the next parse token.
; 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: December 12, 1978
; 41          0041  1 !
; 42          0042  1 ! MODIFIED BY:
; 43          0043  1 !
; 44          0044  1 ! 1-001 - Original.  DJS 25-Feb-1981.  This module was created by
; 45          0045  1 !         extracting routine EDT$$PA_SCANTOK  from module PARSER.
; 46          0046  1 ! 1-002 - Regularize headers.  JBS 12-Mar-1981
; 47          0047  1 ! 1-003 - Suppress quoted strings if requested.  JBS 26-Aug-1981
; 48          0048  1 ! 1-004 - Change index on line numbers for 15 instead of 10 digits.  SMB 18-Jan-1982
; 49          0049  1 ! 1-005 - Accept quoted keys. STS 07-Apr-1982
; 50          0050  1 ! 1-006 - Delete reference to edt$$g_pa_val. STS 09-Apr-1982
; 51          0051  1 ! 1-007 - Change numeric test.  JBS 19-Jul-1982
; 52          0052  1 ! 1-008 - Modify to use new 48 bit arith macors. STS 01-Oct-1982
; 53          0053  1 ! 1-009 - Don't strip diacritical marks from letters.  JBS 13-Dec-1982
; 54          0054  1 ! 1-010 - Adjust EDT$$A_CMD_END when shortening a string to eliminate a doubled quote.  JBS 18-Jan-1983
; 55          0055  1 ! 1-011 - Add VT220 support conditional.  JBS 11-Feb-1983
; 56          0056  1 ! 1-012 - Correct an error in a comment.  JBS 17-Jun-1983
; 57          0057  1 !--
```

```
;   58          0058  1
```

```
;    60          0059  1 %SBTTL 'Declarations'
;    61          0060  1 !
;    62          0061  1 ! TABLE OF CONTENTS:
;    63          0062  1 !
;    64          0063  1
;    65          0064  1 REQUIRE 'EDTSRC:TRAROUNAM';
;    66          0503  1
;    67          0504  1 FORWARD ROUTINE
;    68          0505  1     EDT$$PA_SCANTOK : NOVALUE;
;    69          0506  1
;    70          0507  1 !
;    71          0508  1 ! INCLUDE FILES:
;    72          0509  1 !
;    73          0510  1
;    74          0511  1 REQUIRE 'EDTSRC:EDTREQ';
;    75          0646  1
;    76          0647  1 REQUIRE 'EDTSRC:PARLITS';
;    77          0931  1
;    78          0932  1 LIBRARY 'EDTSRC:SUPPORTS';
;    79          0933  1
;    80          0934  1 !
;    81          0935  1 ! MACROS:
;    82          0936  1 !
;    83          0937  1 !       NONE
;    84          0938  1 !
;    85          0939  1 ! EQUATED SYMBOLS:
;    86          0940  1 !
;    87          0941  1 !       NONE
;    88          0942  1 !
;    89          0943  1 ! OWN STORAGE:
;    90          0944  1 !
;    91          0945  1 !       NONE
;    92          0946  1 !
;    93          0947  1 ! EXTERNAL REFERENCES:
;    94          0948  1 !
;    95          0949  1 !       In the routine
```

```
;    97          0950  1 %SBTTL 'EDT$$PA_SCANTOK  - scan the next token'
;    98          0951  1
;    99          0952  1 GLOBAL ROUTINE EDT$$PA_SCANTOK                  ! Scan the next token
;   100          0953  1     : NOVALUE =
;   101          0954  1
;   102          0955  1 !++
;   103          0956  1 ! FUNCTIONAL DESCRIPTION:
;   104          0957  1 !
;   105          0958  1 !       This routine isolates the next token in the command line, setting the variables
;   106          0959  1 !       EDT$$G_PA_TOKCLASS , EDT$$A_PA_CURTOK  and EDT$$G_PA_CURTOKLEN .
;   107          0960  1 !       EDT$$C_PA_CH  contains the first character following the last token, so
;   108          0961  1 !       while it is blank, we keep getting the next character.  The previous token
;   109          0962  1 !       address and length are stored in EDT$$A_PA_PRVTOK  and
;   110          0963  1 !       EDT$$G_PA_PRVTOKLEN .  If the token is numeric then
;   111          0964  1 !       EDT$$L_PA_NUMVAL  will get the numeric value of the token.
;   112          0965  1 !
;   113          0966  1 ! FORMAL PARAMETERS:
;   114          0967  1 !
;   115          0968  1 !       NONE
;   116          0969  1 !
;   117          0970  1 ! IMPLICIT INPUTS:
;   118          0971  1 !
;   119          0972  1 !       EDT$$A_CMD_BUF
;   120          0973  1 !       EDT$$A_CMD_END
;   121          0974  1 !       EDT$$C_PA_CH
;   122          0975  1 !       EDT$$L_LNO_ZERO
;   123          0976  1 !       EDT$$L_LNOO
;   124          0977  1 !       EDT$$G_PA_NOQUO
;   125          0978  1 !
;   126          0979  1 ! IMPLICIT OUTPUTS:
;   127          0980  1 !
;   128          0981  1 !       EDT$$A_PA_PRVTOK
;   129          0982  1 !       EDT$$G_PA_PRVTOKLEN
;   130          0983  1 !       EDT$$A_PA_CURTOK
;   131          0984  1 !       EDT$$G_PA_CURTOKLEN
;   132          0985  1 !       EDT$$L_PA_NUMVAL
;   133          0986  1 !       EDT$$G_PA_PCENT
;   134          0987  1 !       EDT$$G_PA_TOKCLASS
;   135          0988  1 !       EDT$$A_CMD_END
;   136          0989  1 !
;   137          0990  1 ! ROUTINE VALUE:
;   138          0991  1 !
;   139          0992  1 !       NONE
;   140          0993  1 !
;   141          0994  1 ! SIDE EFFECTS:
;   142          0995  1 !
;   143          0996  1 !       NONE
;   144          0997  1 !
;   145          0998  1 !--
;   146          0999  1
;   147          1000  2     BEGIN
;   148          1001  2
;   149          1002  2     EXTERNAL ROUTINE
;   150          1003  2         EDT$$PA_GETCH : NOVALUE;                ! Get the next character from the input line
;   151          1004  2
;   152          1005  2     EXTERNAL
;   153          1006  2         EDT$$G_DEFKEY,
```

```
;  154          1007  2          EDT$$A_CMD_BUF,                 ! Pointer into command buffer.
;  155          1008  2          EDT$$A_CMD_END,                 ! Pointer to end of current command.
;  156          1009  2          EDT$$C_PA_CH,                   ! the currently being processed character
;  157          1010  2          EDT$$A_PA_CURTOK,               ! start of the current token
;  158          1011  2          EDT$$G_PA_CURTOKLEN,            ! length of current token
;  159          1012  2          EDT$$L_PA_NUMVAL : LIN_BLOCK,   ! the value of a numeric literal
;  160          1013  2          EDT$$G_PA_PCENT,                ! Did the keyword contain a percent?
;  161          1014  2          EDT$$A_PA_PRVTOK,               ! Previous token address
;  162          1015  2          EDT$$G_PA_PRVTOKLEN,            ! Previous token length
;  163          1016  2          EDT$$G_PA_TOKCLASS,             ! class of current token
;  164          1017  2          EDT$$G_PA_NOQUO,                ! 1 = don't accept ' and " as starting a string
;  165          1018  2
;  166        L 1019  2  %IF SUPPORT_VT220
;  167          1020  2  %THEN
;  168          1021  2          EDT$$B_CHAR_INFO : BLOCKVECTOR [256, 1, BYTE],  ! Information about characters
;  169          1022  2  %FI
;  170          1023  2
;  171          1024  2          EDT$$L_LNO_ZERO : LN_BLOCK,
;  172          1025  2          EDT$$L_LNOO : LNOVECTOR [14];
;  173          1026  2
;  174          1027  2  !+
;  175          1028  2  ! Save off the address and length of the last tcken.
;  176          1029  2  !-
;  177          1030  2      EDT$$A_PA_PRVTOK = .EDT$$A_PA_CURTOK;
;  178          1031  2      EDT$$G_PA_PRVTOKLEN = .EDT$$G_PA_CURTOKLEN;
;  179          1032  2  !+
;  180          1033  2  ! First scan until the first non-blank character.
;  181          1034  2  !-
;  182          1035  2
;  183          1036  2      UNTIL ((.EDT$$C_PA_CH NEQ %C' ') AND (.EDT$$C_PA_CH NEQ ASC_K_TAB)) DO
;  184          1037  2          EDT$$PA_GETCH ();
;  185          1038  2
;  186          1039  2      EDT$$A_PA_CURTOK = .EDT$$A_CMD_BUF - 1;
;  187          1040  2      EDT$$G_PA_TOKCLASS = CL_SPECIAL;
;  188          1041  2      EDT$$G_PA_PCENT = 0;
;  189          1042  2
;  190          1043  2      SELECTONE .EDT$$C_PA_CH OF
;  191          1044  2          SET
;  192          1045  2
;  193          1046  2          [%C'0' TO %C'9'] :
;  194          1047  3              BEGIN
;  195          1048  3
;  196          1049  3              LOCAL
;  197          1050  3                  DIGIT : LN_BLOCK;
;  198          1051  3
;  199          1052  3              EDT$$G_PA_TOKCLASS = CL_NUMBER;
;  200          1053  3  !+
;  201          1054  3  ! Accumulate the number as though it might a line number.  This means that we
;  202          1055  3  ! must do 48-bit arithmetic.
;  203          1056  3  !-
;  204          1057  3              MOVELINE (EDT$$L_LNO_ZERO, EDT$$L_PA_NUMVAL);
;  205          1058  3
;  206          1059  3              DO
;  207          1060  4                  BEGIN
;  208          1061  4                  MULTLINE (EDT$$L_LNOO [1], EDT$$L_PA_NUMVAL, EDT$$L_PA_NUMVAL);
;  209          1062  4                  BUILDLINE (.EDT$$C_PA_CH - %C'0', DIGIT);
;  210          1063  4                  ADDLINE (DIGIT, EDT$$L_PA_NUMVAL);
```

```
;   211          1064  4                  EDT$$PA_GETCH ();
;   212          1065  4                  END
;   213          1066  4              UNTIL (
;   214          1067  4
;   215        L 1068  4 %IF SUPPORT_VT220
;   216          1069  4 %THEN
;   217          1070  5                  (.EDT$$B_CHAR_INFO [.EDT$$C_PA_CH, 0, 0, 8, 0] NEQ %X'F0')
;   218        U 1071  5 %ELSE
;   219        U 1072  5                  ((.EDT$$C_PA_CH LSS %C'0') OR (.EDT$$C_PA_CH GTR %C'9'))
;   220          1073  5 %FI
;   221          1074  5
;   222          1075  3                  );                                  ! Not a digit
;   223          1076  3
;   224          1077  2              END;
;   225          1078  2
;   226          1079  2          [%C'A' TO %C'Z', %C'%', %X'C0' TO %X'CF', %X'D1' TO %X'DD'] :
;   227          1080  3              BEGIN
;   228          1081  3              EDT$$G_PA_TOKCLASS = CL_NAME;
;   229          1082  3 !+
;   230          1083  3 ! Accept an optional percent sign.
;   231          1084  3 !-
;   232          1085  3
;   233          1086  4              IF (.EDT$$C_PA_CH EQL %C'%')
;   234          1087  3              THEN
;   235          1088  4                  BEGIN
;   236          1089  4                  EDT$$G_PA_PCENT = 1;
;   237          1090  4                  EDT$$A_PA_CURTOK = .EDT$$A_CMD_BUF;
;   238          1091  4                  EDT$$PA_GETCH ();
;   239          1092  3                  END;
;   240          1093  3
;   241          1094  3 !+
;   242          1095  3 ! Accept alphabetic characters and underscores.
;   243          1096  3 !-
;   244          1097  3
;   245          1098  3              DO
;   246          1099  4                  BEGIN
;   247          1100  4                  CH$WCHAR (.EDT$$C_PA_CH, CH$PLUS (.EDT$$A_CMD_BUF, -1));
;   248          1101  4                  EDT$$PA_GETCH ();
;   249          1102  4                  END
;   250          1103  4              UNTIL (
;   251          1104  4
;   252        L 1105  4 %IF SUPPORT_VT220
;   253          1106  4 %THEN
;   254          1107  5                  (.EDT$$B_CHAR_INFO [.EDT$$C_PA_CH, 0, 0, 2, 0] EQL 0)   ! Not alphabetic
;   255        U 1108  5 %ELSE
;   256        U 1109  5                  ( NOT (((.EDT$$C_PA_CH GEQ %C'A') AND (.EDT$$C_PA_CH LEQ %C'Z')) OR ((.EDT$$C_PA_CH GEQ %C'a
;   257        U 1110  5                      AND (.EDT$$C_PA_CH LEQ %C'z'))))
;   258          1111  5 %FI
;   259          1112  5
;   260          1113  4                  AND (.EDT$$C_PA_CH NEQ %C'_'))
;   261          1114  4
;   262          1115  2              END;
;   263          1116  2
;   264          1117  2          [%C'''', %C'"'] :                       ! Start of a quoted string
;   265          1118  3              BEGIN
;   266          1119  3
;   267          1120  3              LOCAL
```

```
;  268          1121  3                  QUOTE;
;  269          1122  3
;  270          1123  3 !+
;  271          1124  3 ! Only scan the string if we are permitted to do so.  In the SUBSTITUTE command we may not
;  272          1125  3 ! scan a string since SUBSTITUTE has its own, very special, syntax for its two strings.
;  273          1126  3 !-
;  274          1127  3
;  275          1128  4              IF (.EDT$$G_PA_NOQUO)
;  276          1129  3              THEN
;  277          1130  4                  BEGIN
;  278          1131  4                  EDT$$PA_GETCH ();
;  279          1132  4                  END
;  280          1133  3              ELSE
;  281          1134  3
;  282          1135  3                  IF .EDT$$G_DEFKEY
;  283          1136  3                  THEN
;  284          1137  4                      BEGIN
;  285          1138  4                      EDT$$G_PA_TOKCLASS = CL_NAME;
;  286          1139  4                      QUOTE = CH$RCHAR (.EDT$$A_PA_CURTOK);
;  287          1140  4                      EDT$$A_PA_CURTOK = .EDT$$A_PA_CURTOK + 1;
;  288          1141  4
;  289          1142  4                      DO
;  290          1143  5                          BEGIN
;  291          1144  5
;  292          1145  5                          LOCAL
;  293          1146  5                              CHAR;
;  294          1147  5
;  295          1148  5                          IF (.EDT$$A_CMD_BUF EQLA .EDT$$A_CMD_END) THEN EXITLOOP;
;  296          1149  5
;  297          1150  5                          EDT$$PA_GETCH ();
;  298          1151  5                          CHAR = CH$RCHAR (.EDT$$A_PA_CURTOK);
;  299          1152  5
;  300        L 1153  5 %IF SUPPORT_VT220
;  301          1154  5 %THEN
;  302          1155  5
;  303          1156  5                          IF .EDT$$B_CHAR_INFO [.CHAR, 0, 0, 1, 0]        ! Lower case
;  304          1157  5                          THEN
;  305        U 1158  5 %ELSE
;  306        U 1159  5
;  307        U 1160  5                              IF ((.CHAR GEQ %C'a') AND (.CHAR LEQ %C'z'))
;  308        U 1161  5                              THEN
;  309          1162  5 %FI
;  310          1163  5
;  311          1164  6                                  BEGIN
;  312          1165  6                                  CHAR = .CHAR - %C'a' + %C'A';
;  313          1166  6                                  CH$WCHAR (.CHAR, .EDT$$A_PA_CURTOK);
;  314          1167  5                                  END;
;  315          1168  5
;  316          1169  5                          END
;  317          1170  4                      UNTIL (.EDT$$C_PA_CH EQL .QUOTE);
;  318          1171  4
;  319          1172  4                      EDT$$PA_GETCH ();
;  320          1173  4                      EDT$$G_PA_CURTOKLEN = CH$DIFF (.EDT$$A_CMD_BUF, .EDT$$A_PA_CURTOK) - 2;
;  321          1174  4                      RETURN;
;  322          1175  4                      END
;  323          1176  3                  ELSE
;  324          1177  4                      BEGIN
```

```
;  325          1178  4                    EDT$$G_PA_TOKCLASS = CL_STRING;
;  326          1179  4                    QUOTE = CH$RCHAR (.EDT$$A_PA_CURTOK);
;  327          1180  5                    BEGIN
;  328          1181  5
;  329          1182  5                    WHILE CH$PTR_NEQ (.EDT$$A_CMD_BUF, .EDT$$A_CMD_END) DO
;  330          1183  6                        BEGIN
;  331          1184  6
;  332          1185  7                        IF (CH$RCHAR (.EDT$$A_CMD_BUF) EQL .QUOTE)
;  333          1186  6                        THEN
;  334          1187  7                            BEGIN
;  335          1188  7
;  336          1189  7                            IF (CH$RCHAR (CH$PTR (.EDT$$A_CMD_BUF, 1)) NEQ .QUOTE) THEN EXITLOOP;
;  337          1190  7
;  338        P 1191  7                            EDT$$CPY_MEM (CH$DIFF (.EDT$$A_CMD_END, .EDT$$A_CMD_BUF),
;  339          1192  7                                CH$PTR (.EDT$$A_CMD_BUF, 1), .EDT$$A_CMD_BUF);
;  340          1193  7                            EDT$$A_CMD_END = CH$PLUS (.EDT$$A_CMD_END, -1);
;  341          1194  6                            END;
;  342          1195  6
;  343          1196  6                        EDT$$A_CMD_BUF = CH$PLUS (.EDT$$A_CMD_BUF, 1);
;  344          1197  5                        END;
;  345          1198  5
;  346          1199  5                    EDT$$G_PA_CURTOKLEN = CH$DIFF (.EDT$$A_CMD_BUF, .EDT$$A_PA_CURTOK) - 1;
;  347          1200  5                    EDT$$PA_GETCH ();
;  348          1201  4                    END;
;  349          1202  4                    EDT$$PA_GETCH ();
;  350          1203  4                    RETURN;
;  351          1204  3                    END;
;  352          1205  3
;  353          1206  2                END;
;  354          1207  2
;  355          1208  2            [%C''] :
;  356          1209  2                ;
;  357          1210  2
;  358          1211  2                [OTHERWISE] :
;  359          1212  2                    EDT$$PA_GETCH ();
;  360          1213  2                TES;
;  361          1214  2
;  362          1215  2        EDT$$G_PA_CURTOKLEN = CH$DIFF (.EDT$$A_CMD_BUF, .EDT$$A_PA_CURTOK) - 1;
;  363          1216  1        END;                                        ! of routine EDT$$PA_SCANTOK


                                                                .TITLE  EDT$PRGETTOK EDT$PRGETTOK - scan a token
                                                                .IDENT  \V04-000\

                                                                .EXTRN  EDT$$PA_GETCH, EDT$$G_DEFKEY
                                                                .EXTRN  EDT$$A_CMD_BUF, EDT$$A_CMD_END
                                                                .EXTRN  EDT$$C_PA_CH, EDT$$A_PA_CURTOK
                                                                .EXTRN  EDT$$G_PA_CURTOKLEN
                                                                .EXTRN  EDT$$L_PA_NUMVAL
                                                                .EXTRN  EDT$$G_PA_PCENT
                                                                .EXTRN  EDT$$A_PA_PRVTOK
                                                                .EXTRN  EDT$$G_PA_PRVTOKLEN
                                                                .EXTRN  EDT$$G_PA_TOKCLASS
                                                                .EXTRN  EDT$$G_PA_NOQUO
                                                                .EXTRN  EDT$$B_CHAR_INFO
                                                                .EXTRN  EDT$$L_LNO_ZERO
                                                                .EXTRN  EDT$$L_LNOO
```

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

                                                    0FFC 00000          .ENTRY  EDT$$PA_SCANTOK, Save R2,R3,R4,R5,R6,R7,R8,-; 0952
                                                                                R9,R10,R11                                  ;
                                                    5B 00000000G   00   9E 00002        MOVAB   EDT$$A_PA_CURTOK, R11       ;
                                                    5A 00000000G   00   9F 00009        MOVAB   EDT$$A_CMD_BUF, R10         ;
                                                    59 00000000G   00   9E 00010        MOVAB   EDT$$L_PA_NUMVAL, R9        ;
                                                    58 00000000G   00   9E 00017        MOVAB   EDT$$PA_GETCH, R8           ;
                                                    5E             18   C2 0001E        SUBL2   #24, SP                     ;
                                        00000000G   00             6B   D0 00021        MOVL    EDT$$A_PA_CURTOK, EDT$$A_PA_PRVTOK  ; 1030
                                        00000000G   00 00000000G   00   D0 00028        MOVL    EDT$$G_PA_CURTOKLEN, EDT$$G_PA_PRVTOKLEN ; 1031
                                                    50 00000000G   00   D0 00033 1$:     MOVL    EDT$$C_PA_CH, R0            ; 1036
                                                    20             50   D1 0003A        CMPL    R0, #32                     ;
                                                                   05   13 0003D        BEQL    2$                          ;
                                                    09             50   D1 0003F        CMPL    R0, #9                      ;
                                                                   05   12 00042        BNEQ    3$                          ;
                                                    68             00   FB 00044 2$:     CALLS   #0, EDT$$PA_GETCH           ; 1037
                                                                   EA   11 00047        BRB     1$                          ;
                                                    57             6A   D0 00049 3$:     MOVL    EDT$$A_CMD_BUF, R7          ; 1039
                                                    6B         FF  A7   9E 0004C        MOVAB   -1(R7), EDT$$A_PA_CURTOK    ;
                                        00000000G   00             02   D0 00050        MOVL    #2, EDT$$G_PA_TOKCLASS      ; 1040
                                                        00000000G  00   D4 00057        CLRL    EDT$$G_PA_PCENT             ; 1041
                                                    56 00000000G   00   D0 0005D        MOVL    EDT$$C_PA_CH, R6            ; 1043
                                                    30             56   D1 00064        CMPL    R6, #48                     ; 1046
                                                                   79   19 00067        BLSS    7$                          ;
                                                    39             56   D1 00069        CMPL    R6, #57                     ;
                                                                   74   14 0006C        BGTR    7$                          ;
                                        00000000G   00             01   D0 0006E        MOVL    #1, EDT$$G_PA_TOKCLASS      ; 1052
                                     69 00000000G   00             06   28 00075        MOVC3   #6, EDT$$L_LNO_ZERO, EDT$$L_PA_NUMVAL ; 1057
                                                    52 00000000G   00   D0 0007D        MOVL    EDT$$C_PA_CH, R2            ; 1062
                                             08     AE             69   D0 00084 4$:     MOVL    EDT$$L_PA_NUMVAL, M2        ; 1061
                                             0C     AE         04  A9   3C 00088        MOVZWL  EDT$$L_PA_NUMVAL+4, M2+4    ;
                                                                   6E   7C 0008D        CLRQ    P                           ;
                                                    50             10   D0 0008F        MOVL    #16, I                      ;
                                        6E          6E             01   79 00092 5$:     ASHQ    #1, P, P                    ;
                                     09 00000000G   00             50   E1 00096        BBC     I, M1, 6$                   ;
                                                    6E         08  AE   C0 0009E        ADDL2   M2, P                       ;
                                             04     AE         0C  AE   D8 000A2        ADWC    M2, P                       ;
                                                    E8             50   F4 000A7 6$:     SOBGEQ  I, 5$                       ;
                                                    69             6E   D0 000AA        MOVL    P, EDT$$L_PA_NUMVAL         ;
                                             04     A9         04  AE   B0 000AD        MOVW    P+4, EDT$$L_PA_NUMVAL+4     ;
                                             10     AE         D0  A2   9E 000B2        MOVAB   -48(R2), DIGIT              ; 1062
                                                                14  AE   D4 000B7        CLRL    DIGIT+4                     ;
                                                    50         06  A9   B0 000BA        MOVW    UPPER_WORD, SAVE            ; 1063
                                                    69         10  AE   C0 000BE        ADDL2   DIGIT, EDT$$L_PA_NUMVAL     ;
                                             04     A9         14  AE   D8 000C2        ADWC    DIGIT, EDT$$L_PA_NUMVAL+4   ;
                                             06     A9             50   B0 000C7        MOVW    SAVE, UPPER_WORD            ;
                                                    68             00   FB 000CB        CALLS   #0, EDT$$PA_GETCH           ; 1064
                                                    52 00000000G   00   D0 000CE        MOVL    EDT$$C_PA_CH, R2            ; 1070
                                             F0     8F 00000000G00042   91 000D5        CMPB    EDT$$B_CHAR_INFO[R2], #240  ;
                                                                   A4   13 000DE        BEQL    4$                          ;
                                                                   7E   11 000E0        BRB     13$                         ; 1043
                                                    25             56   D1 000E2 7$:     CMPL    R6, #37                     ; 1079
                                                                   36   13 000E5        BEQL    10$                         ;
                                        00000041    8F             56   D1 000E7        CMPL    R6, #65                     ;
                                                                   09   19 000EE        BLSS    8$                          ;
```

```
                 0000005A   8F              56  D1 000F0          CMPL    R6, #90                                         ;
                                            24  15 000F7          BLEQ    10$                                             ;
                 000000C0   8F              56  D1 000F9 8$:      CMPL    R6, #192                                        ;
                                            09  19 00100          BLSS    9$                                              ;
                 000000CF   8F              56  D1 00102          CMPL    R6, #207                                        ;
                                            12  15 00109          BLEQ    10$                                             ;
                 000000D1   8F              56  D1 0010B 9$:      CMPL    R6, #209                                        ;
                                            4F  19 00112          BLSS    14$                                             ;
                 000000DD   8F              56  D1 00114          CMPL    R6, #221                                        ;
                                            46  14 0011B          BGTR    14$                                             ;
                                00000000G   00  D4 0011D 10$:     CLRL    EDT$$G_PA_TOKCLASS                              ; 1081
                            25              56  D1 00123          CMPL    R6, #37                                         ; 1086
                                            0D  12 00126          BNEQ    11$                                             ;
                 00000000G  00              01  D0 00128          MOVL    #1, EDT$$G_PA_PCENT                             ; 1089
                            6B              57  D0 0012F          MOVL    R7, EDT$$A_PA_CURTOK                            ; 1090
                            68              00  FB 00132          CALLS   #0, EDT$$PA_GETCH                               ; 1091
                            52  00000000G   00  D0 00135 11$:     MOVL    EDT$$C_PA_CR, R2                                ; 1100
                            50              6A  D0 0013C 12$:     MOVL    EDT$$A_CMD_BUF, R0                              ;
                      FF    A0              52  90 0013F          MOVB    R2, -1(R0)                                      ;
                            68              00  FB 00143          CALLS   #0, EDT$$PA_GETCH                               ; 1101
                            52  00000000G   00  D0 00146          MOVL    EDT$$C_PA_CR, R2                                ; 1107
                            03  00000000G0042  93 0014D          BITB    EDT$$B_CHAR_INFO[R2], #3                        ;
                                            E5  12 00155          BNEQ    12$                                             ;
                 0000005F   8F              52  D1 00157          CMPL    R2, #95                                         ; 1113
                                            DC  13 0015E          BEQL    12$                                             ;
                                         00BB   31 00160 13$:     BRW     26$                                             ; 1098
                            22              56  D1 00163 14$:     CMPL    R6, #34                                         ; 1117
                                            08  13 00166          BEQL    15$                                             ;
                            27              56  D1 00168          CMPL    R6, #39                                         ;
                                            03  13 0016B          BEQL    15$                                             ;
                                         00A6   31 0016D          BRW     24$                                             ;
                            03  00000000G   00  E9 00170 15$:     BLBC    EDT$$G_PA_NOQUO, 16$                            ; 1128
                                         00A1   31 00177          BRW     25$                                             ;
                            57              6B  D0 0017A 16$:     MOVL    EDT$$A_PA_CURTOK, R7                            ; 1139
                            45  00000000G   00  E9 0017D          BLBC    EDT$$G_DEFKEY, 20$                              ; 1135
                                00000000G   00  D4 00184          CLRL    EDT$$G_PA_TOKCLASS                              ; 1138
                            56              67  9A 0018A          MOVZBL  (R7), QUOTE                                     ; 1139
                                            6B  D6 0018D          INCL    EDT$$A_PA_CURTOK                                ; 1140
                00000000G   00              6A  D1 0018F 17$:     CMPL    EDT$$A_CMD_BUF, EDT$$A_CMD_END                  ; 1148
                                            21  13 00196          BEQL    19$                                             ;
                            68              00  FB 00198          CALLS   #0, EDT$$PA_GETCH                               ; 1150
                            51              6B  D0 0019B          MOVL    EDT$$A_PA_CURTOK, R1                            ; 1151
                            50              61  9A 0019E          MOVZBL  (R1), CHAR                                      ;
                06  00000000G0040            00  E1 001A1          BBC     #0, EDT$$B_CHAR_INFO[CHAR], 18$                 ; 1156
                            50              20  C2 001AA          SUBL2   #32, CHAR                                       ; 1165
                            61              50  90 001AD          MOVB    CHAR, (R1)                                      ; 1166
                            56  00000000G   00  D1 001B0 18$:     CMPL    EDT$$C_PA_CH, QUOTE                             ; 1170
                                            D6  12 001B7          BNEQ    17$                                             ;
                            68              00  FB 001B9 19$:     CALLS   #0, EDT$$PA_GETCH                               ; 1172
                50          6A              6B  C3 001BC          SUBL3   EDT$$A_PA_CURTOK, EDT$$A_CMD_BUF, R0            ; 1173
                00000000G   00        FE    A0  9E 001C0          MOVAB   -2(R0), EDT$$G_PA_CURTOKEN                      ;
                                            04  001C8          RET                                                     ; 1177
                00000000G   00              03  D0 001C9 20$:     MOVL    #3, EDT$$G_PA_TOKCLASS                          ; 1178
                            56              67  9A 001D0          MOVZBL  (R7), QUOTE                                     ; 1179
                            50              6A  D0 001D3 21$:     MOVL    EDT$$A_CMD_BUF, R0                              ; 1182
                            51  00000000G   00  D0 001D6          MOVL    EDT$$A_CMD_END, R1                              ;
                            51              50  D1 001DD          CMPL    R0, R1                                          ;
```

```
                                                21  13 001E0          BEQL    23$                                             ;
          56            60              08      00  ED 001E2          CMPZV   #0, #8, (R0), QUOTE                          ; 1185
                                                16  12 001E7          BNEQ    22$                                             ;
          56      01    A0              08      00  ED 001E9          CMPZV   #0, #8, 1(R0), QUOTE                        ; 1189
                                                12  12 001EF          BNEQ    23$                                             ;
                                        51      50  C2 001F1          SUBL2   R0, R1                                      ; 1192
                        60      01      A0      51  28 001F4          MOVC3   R1, 1(R0), (R0)                             ;
                                00000000G       00  D7 001F9          DECL    EDT$$A_CMD_END                              ; 1193
                                                6A  D6 001FF 22$:      INCL    EDT$$A_CMD_BUF                              ; 1196
                                                D0  11 00201          BRB     21$                                         ; 1182
                        50                      6A  57  C3 00203 23$:  SUBL3   R7, EDT$$A_CMD_BUF, R0                      ; 1199
                    00000000G   00      FF      A0  9E 00207          MOVAB   -1(R0), EDT$$G_PA_CURTOKLEN                 ;
                                68              00  FB 0020F          CALLS   #0, EDT$$PA_GETCH                           ; 1200
                                68              00  FB 00212          CALLS   #0, EDT$$PA_GETCH                           ; 1202
                                                04  00215          RET                                                 ; 1177
                                21              56  D1 00216 24$:      CMPL    R6, #33                                     ; 1208
                                                03  13 00219          BEQL    26$                                         ;
                                68              00  FB 0021B 25$:      CALLS   #0, EDT$$PA_GETCH                           ; 1212
                        50                      6A  6B  C3 0021E 26$:  SUBL3   EDT$$A_PA_CURTOK, EDT$$A_CMD_BUF, R0     ; 1215
                    00000000G   00      FF      A0  9E 00222          MOVAB   -1(R0), EDT$$G_PA_CURTOKLEN                 ;
                                                04  0022A          RET                                                 ; 1216

; Routine Size:  555 bytes,    Routine Base:  _EDT$CODE + 0000

;  364          1217  1
;  365          1218  1 !<BLF/PAGE>
```

```
;  367          1219  1 END                                   ! of module EDT$PRGETTOK
;  368          1220  1
;  369          1221  0 ELUDOM
```

```
;                                  PSECT SUMMARY
;
;       Name                     Bytes                          Attributes
;
;  _EDT$CODE                        555  NOVEC,NOWRT,  RD ,  EXE,  SHR,  LCL,  REL,  CON,  PIC,ALIGN(2)
```

```
;                                Library Statistics
;
;                                          -------- Symbols --------      Pages       Processing
;       File                               Total    Loaded   Percent      Mapped      Time
;
;  _$255$DUA28:[EDT.SRC]EDT.L32;1            377        24         6          40        00:00.2
;  _$255$DUA28:[EDT.SRC]PSECTS.L32;1           2         1        50           7        00:00.1
;  _$255$DUA28:[EDT.SRC]SUPPORTS.L32;1         2         1        50           5        00:00.1
```

```
;                                  COMMAND QUALIFIERS

;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:PRGETTOK/OBJ=OBJ$:PRGETTOK MSRC$:PRGETTOK.BLI/UPDATE=(ENH$:PRGE
;       TTOK)

; Size:          555 code + 0 data bytes
; Run Time:        00:27.0
; Elapsed Time:    00:33.7
; Lines/CPU Min:    2709
; Lexemes/CPU-Min: 11105
; Memory Used:  193 pages
; Compilation Complete
```

LXCOMNOO LIS

MCGETLIN LIS

MCRIGHT LIS

MCCHANGE LIS

MACCAL LIS

NOOPEN LIS

PRAPPNUM LIS

MSGTXT LIS

PRGETTOK LIS

PRISTOK LIS

LXPRINT LIS

MCTOP LIS

MCDOWN LIS

MCLEFT LIS

MCBOTTOM LIS

PAUDIT LIS

PRGETCHR LIS

LXCOM LIS

MAIN LIS

MCUP LIS