


```
AAAAAA      EEEEEEEEE EEEEEEEEE DDDDDDDD  HH      HH  EEEEEEEEE LL      PPPPPPP
AAAAAA      EEEEEEEEE EEEEEEEEE DDDDDDDD  HH      HH  EEEEEEEEE LL      PPPPPPP
AA          AA  EE          DD          DD  HH      HH  EE          LL      PP      PP
AA          AA  EE          DD          DD  HH      HH  EE          LL      PP      PP
AA          AA  EE          DD          DD  HH      HH  EE          LL      PP      PP
AA          AA  EE          DD          DD  HH      HH  EE          LL      PP      PP
AA          AA  EEEEEEEEE DD          DD  HHHHHHHHHH EEEEEEEEE LL      PPPPPPP
AAAAAAAAAA  EE          DD          DD  HHHHHHHHHH EEEEEEEEE LL      PPPPPPP
AAAAAAAAAA  EE          DD          DD  HH          HH  EE          LL      PP
AA          AA  EE          DD          DD  HH          HH  EE          LL      PP
AA          AA  EE          DD          DD  HH          HH  EE          LL      PP
AA          AA  EEEEEEEEE DDDDDDDD  HH          HH  EEEEEEEEE LLLLLLLLLL PP
AA          AA  EEEEEEEEE DDDDDDDD  HH          HH  EEEEEEEEE LLLLLLLLLL PP
```

```
LL          IIIIII  SSSSSSS
LL          IIIIII  SSSSSSS
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  SSSSSSS
LLLLLLLLLL IIIIII  SSSSSSS
```

```

1 0001 0 MODULE AED$HELP (
2 0002 0
3 0003 0     LANGUAGE (BLISS32),
4 0004 0     IDENT = 'V04-000'
5 0005 1 ) =
6 0006 1 BEGIN
7 0007 1
8 0008 1
9 0009 1
10 0010 1
11 0011 1
12 0012 1
13 0013 1
14 0014 1
15 0015 1
16 0016 1
17 0017 1
18 0018 1
19 0019 1
20 0020 1
21 0021 1
22 0022 1
23 0023 1
24 0024 1
25 0025 1
26 0026 1
27 0027 1
28 0028 1
29 0029 1
30 0030 1
31 0031 1
32 0032 1
33 0033 1
34 0034 1
35 0035 1
36 0036 1
37 0037 1
38 0038 1
39 0039 1
40 0040 1
41 0041 1
42 0042 1
43 0043 1
44 0044 1
45 0045 1
46 0046 1
47 0047 1
48 0048 1
49 0049 1
50 0050 1
51 0051 1
52 0052 1
53 0053 1
54 0054 1
55 0055 1
56 0056 1
57 0057 1

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++
FACILITY:      Miscellaneous utilities
ABSTRACT:
    This module contains the routines necessary to provide interactive
    help on the ACL editor.
ENVIRONMENT:
    VAX/VMS operating system, user mode utilities.

--

AUTHOR:      L. Mark Pilant      CREATION DATE: 15-Sep-1982 15:30
MODIFIED BY:
    V03-005 LMP0279      L. Mark Pilant,      13-Jul-1984 16:12
    Fix the text of the suffix message given in format mode.
    V03-004 LMP0213      L. Mark Pilant,      24-Mar-1984 12:23
    Add support for locking and unlocking the object's ACL.
    V03-003 LMP0172      L. Mark Pilant,      29-Nov-1983 12:42
    Add support for VT2xx terminals.
    
```

```
: 58      0058 1 |
: 59      0059 1 |
: 60      0060 1 |
: 61      0061 1 |
: 62      0062 1 |
: 63      0063 1 |
: 64      0064 1 |
: 65      0065 1 |
: 66      0066 1 |
: 67      0067 1 |
: 68      0068 1 |

V03-002 LMP0103      L. Mark Pilant,      29-Apr-1983  8:48
      Add support for HIDDEN and PROTECTED ACES.

V03-001 LMP0076      L. Mark Pilant,      28-Jan-1983 12:15
      Add support for a key definition file.

**

LIBRARY 'SYSS$LIBRARY:LIB.L32';
REQUIRE 'SRCS:ACLEDTDEF';
```

```
: 70      0521 1 FORWARD ROUTINE
: 71      0522 1      AED_GIVEHELP,      ! Provide the user with help
: 72      0523 1      AED_HELPOUTPUT;    ! Output routine for help
: 73      0524 1
: 74      0525 1 EXTERNAL ROUTINE
: 75      0526 1      AED_DECODEKEY,      ! Key action decoder
: 76      0527 1      AED_PUTOUTPUT,      ! General purpose output routine
: 77      0528 1 LBR$INI CONTROL : ADDRESSING_MODE (GENERAL), ! Initialize the control block
: 78      0529 1 LBR$OPEN      : ADDRESSING_MODE (GENERAL), ! Open the help file
: 79      0530 1 LBR$GET_HELP  : ADDRESSING_MODE (GENERAL), ! Get the desired help text
: 80      0531 1 LBR$CLOSE   : ADDRESSING_MODE (GENERAL); ! Close the help file
: 81      0532 1
: 82      0533 1 OWN
: 83      0534 1      NO_TEXT;          ! Text present indication flag
```

```

: 85      0535 1 GLOBAL ROUTINE AED_GIVEHELP =
: 86      0536 1
: 87      0537 1 :++
: 88      0538 1
: 89      0539 1 FUNCTIONAL DESCRIPTION:
: 90      0540 1
: 91      0541 1     This routine is the main routine for providing interactive help.
: 92      0542 1     It displays the appropriate keypad layout, and waits for the user
: 93      0543 1     to type in some character (or characters) to determine what help
: 94      0544 1     is to be provided.
: 95      0545 1
: 96      0546 1 CALL SEQUENCE:
: 97      0547 1     AED_GIVEHELP ()
: 98      0548 1
: 99      0549 1 INPUT PARAMETERS:
100      0550 1     none
101      0551 1
102      0552 1 IMPLICIT INPUTS:
103      0553 1     AED_W_TERMIN: terminal input channel
104      0554 1
105      0555 1 OUTPUT PARAMETERS:
106      0556 1     none
107      0557 1
108      0558 1 IMPLICIT OUTPUTS:
109      0559 1     none
110      0560 1
111      0561 1 ROUTINE VALUE:
112      0562 1     1 if successful
113      0563 1     status code otherwise
114      0564 1
115      0565 1 SIDE EFFECTS:
116      0566 1     none
117      0567 1
118      0568 1 :--
119      0569 1
120      0570 2 BEGIN
121      0571 2
122      0572 2 LOCAL
123      0573 2     LIBR_INDEX,           ! Library index
124      0574 2     HELP_TYPE,           ! Type of help (keypad or format)
125      0575 2     HELP_KEY,           ! Addr of the sub-key descr
126      0576 2     FIELD_INDEX,        ! Field index in ACE
127      0577 2     ITEM_INDEX,        ! Item index within field in ACE
128      0578 2     ITEM_LIMIT,        ! Largest item index allowed
129      0579 2     LOCAL_STATUS,      ! Local routine exit status
130      0580 2     TERM_CHAR,          ! Terminator character/action number
131      0581 2     TERM_DESCR          : $BLOCK [DSC$C_S_BLN], ! Terminator descr
132      0582 2     TERM_TABLE         : VECTOR [4] ! Terminator table
133      0583 2     INITIAL (REP 4 of (-1)); ! All are terminators
134      0584 2
135      0585 2 BIND
136      0586 2     HELP_FILE = $DESCRIPTOR ('SYS$HELP:ACLEDT.HLB'),
137      0587 2
138      P 0588 2     NEW_KEY_MSG = $DESCRIPTOR (%CHAR (AED_C_CHAR_CR, AED_C_CHAR_LF),
139      P 0589 2     '-----',
140      P 0590 2     %CHAR (AED_C_CHAR_CR, AED_C_CHAR_LF),
141      P 0591 2     'To return to the keypad diagram, ',

```

```

: 142 P 0592 'press the return key'
: 143 P P 0593 %CHAR (AED_C_CHAR_CR, AED_C_CHAR_LF),
: 144 P P 0594 'To exit from HELP, press the spacebar',
: 145 P P 0595 %CHAR (AED_C_CHAR_CR, AED_C_CHAR_LF),
: 146 P P 0596 'For help on the ACE format press the ',
: 147 P P 0597 'tab key',
: 148 P P 0598 %CHAR (AED_C_CHAR_CR, AED_C_CHAR_LF),
: 149 P P 0599 'For help on any other keypad key, ',
: 150 0600 'press the key'),
: 151 0601
: 152 P 0602 NEW_KEY_MSG1 = $DESCRIPTOR (%CHAR (AED_C_CHAR_CR, AED_C_CHAR_LF),
: 153 P P 0603 '-----',
: 154 P P 0604 %CHAR (AED_C_CHAR_CR, AED_C_CHAR_LF),
: 155 P P 0605 'To return to the keypad diagram, ',
: 156 P P 0606 'press the return key',
: 157 P P 0607 %CHAR (AED_C_CHAR_CR, AED_C_CHAR_LF),
: 158 P P 0608 'To exit from HELP, press the spacebar',
: 159 P P 0609 %CHAR (AED_C_CHAR_CR, AED_C_CHAR_LF),
: 160 P P 0610 'To select the next field, press the ',
: 161 P P 0611 'keypad 7',
: 162 P P 0612 %CHAR (AED_C_CHAR_CR, AED_C_CHAR_LF),
: 163 P P 0613 'To select the next item, press the ',
: 164 0614 'keypad period');
: 165 0615
: 166 0616 CH$FILL (0, DSC$C S BLN, TERM_DESCR);
: 167 0617 TERM_DESCR[DSC$W_LENGTH] = 4*4;
: 168 0618 TERM_DESCR[DSC$A_POINTER] = TERM_TABLE;
: 169 0619
: 170 0620 AED_L_FLAGS[AED_V_GOLDKEY] = 0;
: 171 0621 SCR$ERASE_PAGE (1, 1);
: 172 0622
: 173 0623 ! Open the help file if not already open.
: 174 0624
: 175 0625 LOCAL_STATUS = LBR$INI_CONTROL (LIBR_INDEX, %REF (LBR$C_READ));
: 176 0626 IF NOT .LOCAL_STATUS
: 177 0627 THEN
: 178 0628 BEGIN
: 179 0629 SIGNAL (.LOCAL_STATUS);
: 180 0630 RETURN .LOCAL_STATUS;
: 181 0631 END;
: 182 0632
: 183 0633 LOCAL_STATUS = LBR$OPEN (LIBR_INDEX, HELP_FILE);
: 184 0634 IF NOT .LOCAL_STATUS
: 185 0635 THEN
: 186 0636 BEGIN
: 187 0637 SIGNAL (.LOCAL_STATUS);
: 188 0638 RETURN .LOCAL_STATUS;
: 189 0639 END;
: 190 0640
: 191 0641 HELP_TYPE = (IF .AED_L_FLAGS[AED_V_ACEFORMAT]
: 192 0642 THEN $DESCRIPTOR ('ACE FORMAT')
: 193 0643 ELSE IF .AED_L_FLAGS[AED_V_VT2XX]
: 194 0644 THEN $DESCRIPTOR ('VT200')
: 195 0645 ELSE IF .AED_L_FLAGS[AED_V_VT1XX]
: 196 0646 THEN $DESCRIPTOR ('VT100')
: 197 0647 ELSE IF .AED_L_FLAGS[AED_V_VT5X]
: 198 0648 THEN $DESCRIPTOR ('VT52')

```

```
.. 199 0649 2 ELSE 0);
.. 200 0650 2 IF .HELP_TYPE EQL 0 THEN RETURN 0;
.. 201 0651 2 SCR$SET_CURSOR (1, 1);
.. 202 0652 2 LBR$GET_HELP (LIBR_INDEX, AED_L_PAGewidth, AED_HELPOUTPUT, 0, .HELP_TYPE);
.. 203 0653 2 IF .AED_L_FLAGS[AED_V_ACEFORMAT] THEN AED_PUTOUTPUT (NEW_KEY_MSG1);
.. 204 0654 2 SCR$SET_CURSOR (24, 1);
.. 205 0655 2
.. 206 0656 2 ! Loop getting input characters to give help on until a space is seen.
.. 207 0657 2
.. 208 0658 2 WHILE 1
.. 209 0659 2 DO
.. 210 0660 2 BEGIN
.. 211 0661 2 HELP_KEY = -1;
.. 212 0662 2 TERM_CHAR = AED_DECODEKEY ();
.. 213 0663 2 AED_L_FLAGS[AED_V_GOLDKEY] = 0;
.. 214 0664 2 IF .TERM_CHAR EQL 0 THEN RETURN 0;
.. 215 0665 2
.. 216 0666 2 ! Choose the appropriate action based upon the character typed.
.. 217 0667 2
.. 218 0668 2 IF NOT .AED_L_FLAGS[AED_V_ACTIONKEY]
.. 219 0669 2 THEN
.. 220 0670 2 BEGIN
.. 221 0671 2 SELECTONE .TERM_CHAR OF
.. 222 0672 2 SET
.. 223 0673 2
.. 224 0674 2 ! Space - no further help required.
.. 225 0675 2
.. 226 0676 2 [X'20']:
.. 227 0677 2 BEGIN
.. 228 0678 2 AED_L_FLAGS[AED_V_ACEFORMAT] = 0;
.. 229 0679 2 SCR$ERASE_PAGE (1, 1);
.. 230 0680 2 RETURN LBR$CLOSE (LIBR_INDEX);
.. 231 0681 2 END;
.. 232 0682 2
.. 233 0683 2 ! Tab key
.. 234 0684 2
.. 235 0685 2 [X'09']:
.. 236 0686 2 BEGIN
.. 237 0687 2 HELP_TYPE = $DESCRIPTOR ('ACE_FORMAT');
.. 238 0688 2 HELP_KEY = 0;
.. 239 0689 2 AED_L_FLAGS[AED_V_ACEFORMAT] = 1;
.. 240 0690 2 FIELD_INDEX = ITEM_INDEX = 0;
.. 241 0691 2 END;
.. 242 0692 2
.. 243 0693 2 ! Carriage return - put up the keypad display.
.. 244 0694 2
.. 245 0695 2 [X'0D']:
.. 246 0696 2 BEGIN
.. 247 0697 2 HELP_TYPE = (IF .AED_L_FLAGS[AED_V_VT2XX]
.. 248 0698 2 THEN $DESCRIPTOR ('VT200')
.. 249 0699 2 ELSE IF .AED_L_FLAGS[AED_V_VT1XX]
.. 250 0700 2 THEN $DESCRIPTOR ('VT100')
.. 251 0701 2 ELSE $DESCRIPTOR ('VT52'));
.. 252 0702 2 HELP_KEY = 0;
.. 253 0703 2 AED_L_FLAGS[AED_V_ACEFORMAT] = 0;
.. 254 0704 2 END;
.. 255 0705 2
```

```
: 256      0706 4 ! Question mark - starting up help.
: 257      0707 4
: 258      0708 4           [%C'?']:
: 259      0709 5             BEGIN
: 260      0710 5             HELP_TYPE = $DESCRIPTOR ('STARTING_UP');
: 261      0711 5             HELP_KEY = 0;
: 262      0712 4             END;
: 263      0713 4           TES;
: 264      0714 4           END
: 265      0715 3       ELSE
: 266      0716 4           BEGIN
: 267      0717 4           CASE .TERM_CHAR FROM 1 TO KEY_C_MAX_CODE-1 OF
: 268      0718 4           SET
: 269      0719 4
: 270      0720 4 ! Backspace
: 271      0721 4
: 272      0722 4           [KEY_C_MOVE_BOL]:  HELP_KEY = $DESCRIPTOR ('017');
: 273      0723 4
: 274      0724 4 ! Linefeed
: 275      0725 4
: 276      0726 4           [KEY_C_RUB_WRD]:  HELP_KEY = $DESCRIPTOR ('018');
: 277      0727 4
: 278      0728 4 ! Ctrl/R or Ctrl/W
: 279      0729 4
: 280      0730 4           [KEY_C_REFRESH]:  HELP_KEY = $DESCRIPTOR ('019');
: 281      0731 4
: 282      0732 4 ! Ctrl/U or Ctrl/X
: 283      0733 4
: 284      0734 4           [KEY_C_RUB_BOL]:  HELP_KEY = $DESCRIPTOR ('020');
: 285      0735 4
: 286      0736 4 ! Ctrl/Z
: 287      0737 4
: 288      0738 4           [KEY_C_EXIT]:      HELP_KEY = $DESCRIPTOR ('022');
: 289      0739 4
: 290      0740 4 ! Ctrl/A
: 291      0741 4
: 292      0742 4           [KEY_C_OVERSTRIKE]:  HELP_KEY = $DESCRIPTOR ('025');
: 293      0743 4
: 294      0744 4 ! Rubout character
: 295      0745 4
: 296      0746 4           [KEY_C_RUB_CHR]:  HELP_KEY = $DESCRIPTOR ('000');
: 297      0747 4
: 298      0748 4           [KEY_C_INSERT,
: 299      0749 4             KEY_C_MOVE_ACE]:  HELP_KEY = $DESCRIPTOR ('001');
: 300      0750 4
: 301      0751 4           [KEY_C_MOVE_WRD]:  HELP_KEY = $DESCRIPTOR ('002');
: 302      0752 4
: 303      0753 4           [KEY_C_MOVE_EOL]:  HELP_KEY = $DESCRIPTOR ('003');
: 304      0754 4
: 305      0755 4           [KEY_C_ENTER]:      HELP_KEY = $DESCRIPTOR ('004');
: 306      0756 4
: 307      0757 4           [KEY_C_ADVANCE,
: 308      0758 4             KEY_C_BOTTOM]:  HELP_KEY = $DESCRIPTOR ('005');
: 309      0759 4
: 310      0760 4           [KEY_C_BACKUP,
: 311      0761 4             KEY_C_TOP]:      HELP_KEY = $DESCRIPTOR ('006');
: 312      0762 4
```

```
.. 313 0763 4 [KEY_C_DEL_CHR,  
314 0764 4 KEY_C_UNDEL_CHR]: HELP_KEY = $DESCRIPTOR ('007');  
315 0765 4  
316 0766 4 [KEY_C_DEL_WRD,  
317 0767 4 KEY_C_UNDEL_WRD]: HELP_KEY = $DESCRIPTOR ('008');  
318 0768 4  
319 0769 4 [KEY_C_GOLD]: HELP_KEY = $DESCRIPTOR ('009');  
320 0770 4  
321 0771 4 [KEY_C_HELP,  
322 0772 4 KEY_C_HELPFMT]: HELP_KEY = $DESCRIPTOR ('010');  
323 0773 4  
324 0774 4 [KEY_C_FIND_STR,  
325 0775 4 KEY_C_FIND_NXT]: HELP_KEY = $DESCRIPTOR ('011');  
326 0776 4  
327 0777 4 [KEY_C_DEL_ACE,  
328 0778 4 KEY_C_UNDEL_ACE]: HELP_KEY = $DESCRIPTOR ('012');  
329 0779 4  
330 0780 4 [KEY_C_UP]: HELP_KEY = $DESCRIPTOR ('013');  
331 0781 4  
332 0782 4 [KEY_C_DOWN]: HELP_KEY = $DESCRIPTOR ('014');  
333 0783 4  
334 0784 4 [KEY_C_LEFT]: HELP_KEY = $DESCRIPTOR ('015');  
335 0785 4  
336 0786 4 [KEY_C_RIGHT]: HELP_KEY = $DESCRIPTOR ('016');  
337 0787 4  
338 0788 4 [KEY_C_SEL_FIELD,  
339 0789 4 KEY_C_ADV_FIELD]:  
340 0790 5 BEGIN  
341 0791 5 IF NOT .AED L_FLAGS[AED V ACEFORMAT]  
342 0792 5 THEN HELP_KEY = $DESCRIPTOR ('023')  
343 0793 5 ELSE  
344 0794 6 BEGIN  
345 0795 7 HELP_TYPE = (CASE .FIELD_INDEX FROM 0 TO 2 OF  
346 0796 7 SET  
347 0797 7 [0]: $DESCRIPTOR ('ACE_TYPES');  
348 0798 7 [1]: $DESCRIPTOR ('ACE_FLAGS');  
349 0799 7 [2]: $DESCRIPTOR ('ACCESS_TYPES');  
350 0800 8 [OUTRANGE]: BEGIN  
351 0801 8 FIELD_INDEX = 0;  
352 0802 8 $DESCRIPTOR ('ACE_TYPES')  
353 0803 7 END;  
354 0804 6 TES);  
355 0805 6 HELP_KEY = 0;  
356 0806 6 FIELD_INDEX = .FIELD_INDEX + 1;  
357 0807 6 ITEM_INDEX = 0;  
358 0808 5 END;  
359 0809 4 END;  
360 0810 4 [KEY_C_SEL_ITEM]:  
361 0811 4 BEGIN  
362 0812 5 IF NOT .AED L_FLAGS[AED V ACEFORMAT]  
363 0813 5 THEN HELP_KEY = $DESCRIPTOR ('024')  
364 0814 5 ELSE  
365 0815 5 BEGIN  
366 0816 6 ITEM_INDEX = .ITEM_INDEX + 1;  
367 0817 6 HELP_KEY = (CASE .ITEM_INDEX FROM 0 TO 8 OF  
368 0818 7 SET  
369 0819 7
```

```

: 370      0820 7      [0]:      0;
: 371      0821 7      [1]:      $DESCRIPTOR ('000');
: 372      0822 7      [2]:      $DESCRIPTOR ('001');
: 373      0823 7      [3]:      $DESCRIPTOR ('002');
: 374      0824 7      [4]:      $DESCRIPTOR ('003');
: 375      0825 7      [5]:      $DESCRIPTOR ('004');
: 376      0826 7      [6]:      $DESCRIPTOR ('005');
: 377      0827 7      [7]:      $DESCRIPTOR ('006');
: 378      0828 7      [8]:      $DESCRIPTOR ('007');
: 379      0829 8      [OUTRANGE]: BEGIN
: 380      0830 8      ITEM_INDEX = 0;
: 381      0831 8      $DESCRIPTOR ('000')
: 382      0832 7      END;
: 383      0833 6      TES);
: 384      0834 5      END;
: 385      0835 4      END;
: 386      0836 4      ! Unknown terminator codes
: 387      0837 4
: 388      0838 4
: 389      0839 4      [INRANGE,OUTRANGE]: HELP_KEY = -1;
: 390      0840 4
: 391      0841 4      TES;
: 392      0842 3      END;
: 393      0843 3
: 394      0844 3      IF .HELP_KEY GEQ 0
: 395      0845 3      THEN
: 396      0846 4      BEGIN
: 397      0847 4      SCR$ERASE_PAGE (1, 1);
: 398      0848 4      SCR$SET_CURSOR (1, 1);
: 399      0849 4      NO_TEXT = 0;
: 400      0850 4      LBR$GET_HELP (LIBR_INDEX, AED_L_PAGewidth, AED_HELPOUTPUT, 0,
: 401      0851 4      .HELP_TYPE, .HELP_KEY);
: 402      0852 4      IF .NO_TEXT
: 403      0853 4      THEN
: 404      0854 5      BEGIN
: 405      0855 5      ITEM_INDEX = 1;
: 406      0856 5      NO_TEXT = 0;
: 407      0857 5      LBR$GET_HELP (LIBR_INDEX, AED_L_PAGewidth, AED_HELPOUTPUT, 0,
: 408      0858 6      .HELP_TYPE, (IF .AED_L_FLAGS[AED_V_ACEFORMAT]
: 409      0859 5      THEN $DESCRIPTOR ('000') ELSE 0));
: 410      0860 5      IF .NO_TEXT THEN LBR$GET_HELP (LIBR_INDEX, AED_L_PAGewidth,
: 411      0861 5      AED_HELPOUTPUT, 0, .HELP_TYPE);
: 412      0862 4      END;
: 413      0863 4      IF .AED_L_FLAGS[AED_V_ACEFORMAT]
: 414      0864 4      THEN AED_PUTOUTPUT (NEW_KEY_MSG1)
: 415      0865 4      ELSE IF .HELP_KEY NEQ 0 THEN AED_PUTOUTPUT (NEW_KEY_MSG);
: 416      0866 4      SCR$SET_CURSOR (24, 1);
: 417      0867 3      END;
: 418      0868 2      END;
: 419      0869 2
: 420      0870 2      RETURN 1;
: 421      0871 2
: 422      0872 1      END;
:
: INFO#250      L1:0795      ! End of routine AED_GIVEHELP
: Referenced LOCAL symbol FIELD_INDEX is probably not initialized
: INFO#250      L1:08T7
: Referenced LOCAL symbol ITEM_INDEX is probably not initialized

```

```
.TITLE AED$HELP
.IDENT \V04-000\

.PSECT AED_COMMON,NOEXE, OVR,0

00000 AED_L_FLAGS:
      .BLKB 4
00004 AED_B_OPTIONS:
      .BLKB 1
00005 .BLKB 3
00008 AED_L_OBJTYP:
      .BLKB 4
0000C AED_Q_OBJNAM:
      .BLKB 8
00014 AED_L_WORSTERR:
      .BLKB 4
00018 AED_L_PAGEWIDTH:
      .BLKB 4
0001C AED_L_PAGESIZE:
      .BLKB 4
00020 AED_B_COLUMN:
      .BLKB 1
00021 .BLKB 3
00024 AED_B_LINE:
      .BLKB 1
00025 .BLKB 3
00028 AED_B_SAVE_COL:
      .BLKB 1
00029 .BLKB 3
0002C AED_B_SAVE_LIN:
      .BLKB 1
0002D .BLKB 3
00030 AED_Q_LINETABLE:
      .BLKB 12
0003C AED_L_CURACE:
      .BLKB 4
00040 AED_L_FIRSTLINE:
      .BLKB 4
00044 AED_L_LASTLINE:
      .BLKB 4
00048 AED_L_BEGINLINE:
      .BLKB 4
0004C AED_W_INPUTLEN:
      .BLKB 2
0004E .BLKB 2
00050 AED_Q_DEL ACE:
      .BLKB 8
00058 AED_Q_DEL LINE:
      .BLKB 8
00060 AED_Q_DEL WORD:
      .BLKB 8
00068 AED_B_DEL CHAR:
      .BLKB 1
00069 .BLKB 3
0006C AED_A_ACLBUFFER:
```

| | | | |
|-------|------------------|-------|-----|
| 00070 | AED_Q_OUTLINE: | .BLKB | 4 |
| 00078 | AED_W_OBJCHAN: | .BLKB | 8 |
| 0007A | | .BLKB | 2 |
| 0007C | AED_W_TERMIN: | .BLKB | 2 |
| 0007E | | .BLKB | 2 |
| 00080 | AED_W_TERMOUT: | .BLKB | 2 |
| 00082 | | .BLKB | 2 |
| 00084 | AED_W_IOSB: | .BLKB | 8 |
| 0008C | AED_L_STATUS: | .BLKB | 4 |
| 00090 | AED_B_FIELD: | .BLKB | 1 |
| 00091 | | .BLKB | 3 |
| 00094 | AED_W_FIELDBEG: | .BLKB | 2 |
| 00096 | | .BLKB | 2 |
| 00098 | AED_W_FIELDEND: | .BLKB | 2 |
| 0009A | | .BLKB | 2 |
| 0009C | AED_B_ITEM: | .BLKB | 1 |
| 0009D | | .BLKB | 3 |
| 000A0 | AED_W_ITEMBEG: | .BLKB | 2 |
| 000A2 | | .BLKB | 2 |
| 000A4 | AED_W_ITEMEND: | .BLKB | 2 |
| 000A6 | | .BLKB | 2 |
| 000A8 | AED_B_ACETYPE: | .BLKB | 1 |
| 000A9 | | .BLKB | 3 |
| 000AC | AED_W_JOURNAL: | .BLKB | 2 |
| 000AE | | .BLKB | 2 |
| 000B0 | AED_T_CURLINE: | .BLKB | 532 |
| 002C4 | AED_W_TOTALSIZE: | .BLKB | 2 |
| 002C6 | | .BLKB | 2 |
| 002C8 | JOURNAL_FAB: | .BLKB | 80 |
| 00318 | JOURNAL_NAM: | .BLKB | 96 |
| 00378 | JOURNAL_RAB: | .BLKB | 68 |
| 003BC | JOURNAL_XABPRO: | .BLKB | 88 |
| 00414 | JOURNAL_BUFFER: | .BLKB | 10 |
| 0041E | | .BLKB | 2 |
| 00420 | JOURNAL_INDEX: | | |

```

00424 RECOVER_FAB:      .BLKB  4
                          .BLKB  80
00474 RECOVER_NAM:      .BLKB  96
004D4 RECOVER_RAB:      .BLKB  68
00518 RECOVER_BUFFER:   .BLKB  10
00522                   .BLKB   2
00524 RECOVER_INDEX:    .BLKB   4

```

.PSECT \$SPLITS,NOWRT,NOEXE,2

```

54 44 45 4C 43 41 3A 50 4C 45 48 24 53 59 53 00000 P.AAA: .LONG -1[4]
42 4C 48 2E 00010 P.AAC: .ASCII \SYSS$HELP:ACLEDT.HLB\
0001F
00023
00000013 00024 P.AAB: .BLKB 1
00000000 00028 P.AAB: .LONG 19
0A 0D 0002C P.AAE: .ADDRESS P.AAC
2D 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D 0002E P.AAE: .ASCII <13><10>
0003D .ASCII \-----\
0A 0D 0003E .ASCII <13><10>
68 74 20 6F 74 20 6E 72 75 74 65 72 20 6F 54 00040 .ASCII \To return to the keypad diagram, \
61 72 67 61 69 64 20 64 61 70 79 65 6B 20 65 0004F
20 2C 6D 0005E
72 75 74 65 72 20 65 68 74 20 73 73 65 72 70 00061 .ASCII \press the return key\
79 65 6B 20 6E 00070
0A 0D 00075 .ASCII <13><10>
45 48 20 6D 6F 72 66 20 74 69 78 65 20 6F 54 00077 .ASCII \To exit from HELP, press the spacebar\
73 20 65 68 74 20 73 73 65 72 70 20 2C 50 4C 00086
72 61 62 65 63 61 70 00095
0A 0D 0009C .ASCII <13><10>
65 68 74 20 6E 6F 20 70 6C 65 68 20 72 6F 46 0009E .ASCII \For help on the ACE format press the \
65 72 70 20 74 61 6D 72 6F 66 20 45 43 41 20 000AD
20 65 68 74 20 73 73 000BC
79 65 68 20 62 61 74 000C3 .ASCII \tab key\
0A 0D 000CA .ASCII <13><10>
79 6E 61 20 6E 6F 20 70 6C 65 68 20 72 6F 46 000CC .ASCII \For help on any other keypad key, \
6B 20 64 61 70 79 65 6B 20 72 65 68 74 6F 20 000DB
20 2C 79 65 000EA
79 65 6B 20 65 68 74 20 73 73 65 72 70 000EE .ASCII \press the key\
000FB .BLKB 1
000000CF 000FC P.AAD: .LONG 207
00000000 00100 P.AAD: .ADDRESS P.AAE
0A 0D 00104 P.AAG: .ASCII <13><10>
2D 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D 00106 .ASCII \-----\
2D 00115
0A 0D 00116 .ASCII <13><10>
68 74 20 6F 74 20 6E 72 75 74 65 72 20 6F 54 00118 .ASCII \To return to the keypad diagram, \
61 72 67 61 69 64 20 64 61 70 79 65 6B 20 65 00127
20 2C 6D 00136
72 75 74 65 72 20 65 68 74 20 73 73 65 72 70 00139 .ASCII \press the return key\
79 65 6B 20 6E 00148
0A 0D 0014D .ASCII <13><10>

```

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|-------|--------|----------|---|---|
| 45 | 48 | 20 | 6D | 6F | 72 | 66 | 20 | 74 | 69 | 78 | 65 | 20 | 6F | 54 | 0014F | | .ASCII | \To exit from HELP, press the spacebar\ | : |
| 73 | 20 | 65 | 68 | 74 | 20 | 73 | 73 | 65 | 72 | 70 | 20 | 2C | 50 | 4C | 0015E | | | | : |
| | | | | | | | | 72 | 61 | 62 | 65 | 63 | 61 | 70 | 0016D | | | | : |
| | | | | | | | | | | | | | 0A | 0D | 00174 | | .ASCII | <13><10> | : |
| 6E | 20 | 65 | 68 | 74 | 20 | 74 | 63 | 65 | 6C | 65 | 73 | 20 | 6F | 54 | 00176 | | .ASCII | \To select the next field, press the \ | : |
| 73 | 65 | 72 | 70 | 20 | 2C | 64 | 6C | 65 | 69 | 66 | 20 | 74 | 78 | 65 | 00185 | | | | : |
| | | | | | | | | | | | | | | | 00194 | | | | : |
| | | | | | | | 37 | 20 | 64 | 61 | 70 | 79 | 65 | 6B | 0019A | | .ASCII | \keypad 7\ | : |
| | | | | | | | | | | | | | 0A | 0D | 001A2 | | .ASCII | <13><10> | : |
| 6E | 20 | 65 | 68 | 74 | 20 | 74 | 63 | 65 | 6C | 65 | 73 | 20 | 6F | 54 | 001A4 | | .ASCII | \To select the next item, press the \ | : |
| 73 | 73 | 65 | 72 | 70 | 20 | 2C | 6D | 65 | 74 | 69 | 20 | 74 | 78 | 65 | 001B3 | | | | : |
| | | | | | | | | | | | | | | | 001C2 | | | | : |
| | | 64 | 6F | 69 | 72 | 65 | 70 | 20 | 64 | 61 | 70 | 79 | 65 | 6B | 001C7 | | | | : |
| | | | | | | | | | | | | | 000000D0 | | 001D4 | P.AAF: | .ASCII | \keypad period\ | : |
| | | | | | | | | | | | | | 00000000 | | 001D8 | | .LONG | 208 | : |
| | | | | | | | | | | | | | | | 001D8 | P.AAG: | .ADDRESS | P.AAG | : |
| | | | 54 | 41 | 4D | 52 | 4F | 46 | 5F | 45 | 43 | 41 | | | 001DC | P.AAI: | .ASCII | \ACE_FORMAT\ | : |
| | | | | | | | | | | | | | | | 001E6 | | .BLKB | 2 | : |
| | | | | | | | | | | | | | 0000000A | | 001E8 | P.AAH: | .LONG | 10 | : |
| | | | | | | | | | | | | | 00000000 | | 001EC | | .ADDRESS | P.AAI | : |
| | | | | | | | | | 30 | 30 | 32 | 54 | 56 | | 001F0 | P.AAK: | .ASCII | \VT200\ | : |
| | | | | | | | | | | | | | | | 001F5 | | .BLKB | 3 | : |
| | | | | | | | | | | | | | 00000005 | | 001F8 | P.AAJ: | .LONG | 5 | : |
| | | | | | | | | | | | | | 00000000 | | 001FC | | .ADDRESS | P.AAK | : |
| | | | | | | | | | 30 | 30 | 31 | 54 | 56 | | 00200 | P.AAM: | .ASCII | \VT100\ | : |
| | | | | | | | | | | | | | | | 00205 | | .BLKB | 3 | : |
| | | | | | | | | | | | | | 00000005 | | 00208 | P.AAL: | .LONG | 5 | : |
| | | | | | | | | | | | | | 00000000 | | 0020C | | .ADDRESS | P.AAM | : |
| | | | | | | | | | | 32 | 35 | 54 | 56 | | 00210 | P.AAO: | .ASCII | \VT52\ | : |
| | | | | | | | | | | | | | 00000004 | | 00214 | P.AAN: | .LONG | 4 | : |
| | | | | | | | | | | | | | 00000000 | | 00218 | | .ADDRESS | P.AAO | : |
| | | | 54 | 41 | 4D | 52 | 4F | 46 | 5F | 45 | 43 | 41 | | | 0021C | P.AAQ: | .ASCII | \ACE_FORMAT\ | : |
| | | | | | | | | | | | | | | | 00226 | | .BLKB | 2 | : |
| | | | | | | | | | | | | | 0000000A | | 00228 | P.AAP: | .LONG | 10 | : |
| | | | | | | | | | | | | | 00000000 | | 0022C | | .ADDRESS | P.AAQ | : |
| | | | | | | | | | 30 | 30 | 32 | 54 | 56 | | 00230 | P.AAS: | .ASCII | \VT200\ | : |
| | | | | | | | | | | | | | | | 00235 | | .BLKB | 3 | : |
| | | | | | | | | | | | | | 00000005 | | 00238 | P.AAR: | .LONG | 5 | : |
| | | | | | | | | | | | | | 00000000 | | 0023C | | .ADDRESS | P.AAS | : |
| | | | | | | | | | 30 | 30 | 31 | 54 | 56 | | 00240 | P.AAU: | .ASCII | \VT100\ | : |
| | | | | | | | | | | | | | | | 00245 | | .BLKB | 3 | : |
| | | | | | | | | | | | | | 00000005 | | 00248 | P.AAT: | .LONG | 5 | : |
| | | | | | | | | | | | | | 00000000 | | 0024C | | .ADDRESS | P.AAU | : |
| | | | | | | | | | | 32 | 35 | 54 | 56 | | 00250 | P.AAW: | .ASCII | \VT52\ | : |
| | | | | | | | | | | | | | 00000004 | | 00254 | P.AAV: | .LONG | 4 | : |
| | | | | | | | | | | | | | 00000000 | | 00258 | | .ADDRESS | P.AAW | : |
| | | | 50 | 55 | 5F | 47 | 4E | 49 | 54 | 52 | 41 | 54 | 53 | | 0025C | P.AAY: | .ASCII | \STARTING_UP\ | : |
| | | | | | | | | | | | | | | | 00267 | | .BLKB | 1 | : |
| | | | | | | | | | | | | | 0000000B | | 00268 | P.AAX: | .LONG | 11 | : |
| | | | | | | | | | | | | | 00000000 | | 0026C | | .ADDRESS | P.AAY | : |
| | | | | | | | | | | | 37 | 31 | 30 | | 00270 | P.ABA: | .ASCII | \017\ | : |
| | | | | | | | | | | | | | | | 00273 | | .BLKB | 1 | : |
| | | | | | | | | | | | | | 00000003 | | 00274 | P.AAZ: | .LONG | 3 | : |
| | | | | | | | | | | | | | 00000000 | | 00278 | | .ADDRESS | P.ABA | : |
| | | | | | | | | | | | 38 | 31 | 30 | | 0027C | P.ABC: | .ASCII | \018\ | : |
| | | | | | | | | | | | | | | | 0027F | | .BLKB | 1 | : |
| | | | | | | | | | | | | | 00000003 | | 00280 | P.ABB: | .LONG | 3 | : |
| | | | | | | | | | | | | | 00000000 | | 00284 | | .ADDRESS | P.ABC | : |


```

00333 .BLKB 1
00000003 00334 P.ACF: .LONG 3
00000000 00338 .ADDRESS P.ACG
31 31 30 0033C P.ACI: .ASCII \011\
0033F .BLKB 1
00000003 00340 P.ACH: .LONG 3
00000000 00344 .ADDRESS P.ACI
32 31 30 00348 P.ACK: .ASCII \012\
0034B .BLKB 1
00000003 0034C P.ACJ: .LONG 3
00000000 00350 .ADDRESS P.ACK
33 31 30 00354 P.ACM: .ASCII \013\
00357 .BLKB 1
00000003 00358 P.ACL: .LONG 3
00000000 0035C .ADDRESS P.ACM
34 31 30 00360 P.ACO: .ASCII \014\
00363 .BLKB 1
00000003 00364 P.ACN: .LONG 3
00000000 00368 .ADDRESS P.ACO
35 31 30 0036C P.ACQ: .ASCII \015\
0036F .BLKB 1
00000003 00370 P.ACP: .LONG 3
00000000 00374 .ADDRESS P.ACQ
36 31 30 00378 P.ACS: .ASCII \016\
0037B .BLKB 1
00000003 0037C P.ACR: .LONG 3
00000000 00380 .ADDRESS P.ACS
33 32 30 00384 P.ACU: .ASCII \023\
00387 .BLKB 1
00000003 00388 P.ACT: .LONG 3
00000000 0038C .ADDRESS P.ACU
53 45 50 59 54 5F 45 43 41 00390 P.ACW: .ASCII \ACE_TYPES\
00399 .BLKB 3
00000009 0039C P.ACV: .LONG 9
00000000 003A0 .ADDRESS P.ACW
53 47 41 4C 46 5F 45 43 41 003A4 P.ACY: .ASCII \ACE_FLAGS\
003AD .BLKB 3
00000009 003B0 P.ACX: .LONG 9
00000000 003B4 .ADDRESS P.ACY
53 45 50 59 54 5F 53 53 45 43 43 41 003B8 P.ADA: .ASCII \ACCESS_TYPES\
0000000C 003C4 P.ACZ: .LONG 12
00000000 003C8 .ADDRESS P.ADA
53 45 50 59 54 5F 45 43 41 003CC P.ADC: .ASCII \ACE_TYPES\
003D5 .BLKB 3
00000009 003D8 P.ADB: .LONG 9
00000000 003DC .ADDRESS P.ADC
34 32 30 003E0 P.ADE: .ASCII \024\
003E3 .BLKB 1
00000003 003E4 P.ADD: .LONG 3
00000000 003E8 .ADDRESS P.ADE
30 30 30 003EC P.ADG: .ASCII \000\
003EF .BLKB 1
00000003 003F0 P.ADF: .LONG 3
00000000 003F4 .ADDRESS P.ADG
31 30 30 003F8 P.ADI: .ASCII \001\
003FB .BLKB 1
00000003 003FC P.ADH: .LONG 3

```

```

00000000' 00400 .ADDRESS P.ADI
32 30 30 00404 P.ADK: .ASCII \002\
00407 .BLKB 1
00000003' 00408 P.ADJ: .LONG 3
00000000' 0040C .ADDRESS P.ADK
33 30 30 00410 P.ADM: .ASCII \003\
00413 .BLKB 1
00000003' 00414 P.ADL: .LONG 3
00000000' 00418 .ADDRESS P.ADM
34 30 30 0041C P.ADO: .ASCII \004\
0041F .BLKB 1
00000003' 00420 P.ADN: .LONG 3
00000000' 00424 .ADDRESS P.ADO
35 30 30 00428 P.ADQ: .ASCII \005\
0042B .BLKB 1
00000003' 0042C P.ADP: .LONG 3
00000000' 00430 .ADDRESS P.ADQ
36 30 30 00434 P.ADS: .ASCII \006\
00437 .BLKB 1
00000003' 00438 P.ADR: .LONG 3
00000000' 0043C .ADDRESS P.ADS
37 30 30 00440 P.ADU: .ASCII \007\
00443 .BLKB 1
00000003' 00444 P.ADT: .LONG 3
00000000' 00448 .ADDRESS P.ADU
30 30 30 0044C P.ADW: .ASCII \000\
0044F .BLKB 1
00000003' 00450 P.ADV: .LONG 3
00000000' 00454 .ADDRESS P.ADW
30 30 30 00458 P.ADY: .ASCII \000\
0045B .BLKB 1
00000003' 0045C P.ADX: .LONG 3
00000000' 00460 .ADDRESS P.ADY

```

.....

.PSECT \$OWNS,NOEXE,2

00000 NO_TEXT:.BLKB 4

```

HELP_FILE= P.AAB
NEW_KEY_MSG= P.AAD
NEW_KEY_MSG1= P.AAF
.EXTRN CLISGET VALUE, CLISPRESNT
.EXTRN LIB$FREE VM, LIB$GET_VM
.EXTRN LIB$PARSE, SCR$DOWN_SCROLL
.EXTRN SCR$ERASE LINE, SCR$ERASE_PAGE
.EXTRN SCR$SET_CURSOR, SCR$SET_SCROLL
.EXTRN SCR$UP_SCROLL, AED$OBJLOCKED
.EXTRN AED$BADKEEP, AED$_LOCATERR
.EXTRN AED$_INIREADERR
.EXTRN AED$_JOUWRITERR
.EXTRN AED$_JOUOPENOUT
.EXTRN AED$_JOUCLOSEOUT
.EXTRN AED$_RECREADERR
.EXTRN AED$_RECOPENIN, AED$_RECLOSEIN
.EXTRN AED$_BADUIC, AED$_BADGRPMEM
.EXTRN AED$_SYNTAX, AED$_BADTYPE
.EXTRN AED$_NOITEMSEL, AED$_MUSTENTER

```

```

.EXTRN AED$_INIOPENIN, AED$_INICLOSIN
.EXTRN AED$_DEFSYNTAX, AED$_NODELETE
.EXTRN AED$_NOMODIFY, AED$_NOHIDDEN
.EXTRN AED$_DUPLICATE, AED$_NOCOMBINE
.EXTRN AED$_NODEFAULT, AED$_NOCTRLCHAR
.EXTRN AED$_NOTFOUND, AED$_CONTROL_C
.EXTRN AED$_ACLUPDATED
.EXTRN AED$_NOCHANGE, AED_DECODEKEY
.EXTRN AED_PUTOUTPUT, LBR$INI_CONTROL
.EXTRN LBR$OPEN, LBR$GET_HELP
.EXTRN LBR$CLOSE, LIB$SIGNAL

```

.PSECT \$CODE\$,NOWRT,2

OFFC 00000

```

.ENTRY AED_GIVEHELP, Save R2,R3,R4,R5,R6,R7,R8,R9,-: 0535
R10,R11
MOVAB LIB$SIGNAL, R11
MOVAB LBR$GET_HELP, R10
MOVAB SCR$ERASE_PAGE, R9
MOVAB SCR$SET_CURSOR, R8
MOVAB AED_L_FLAGS, R7
SUBL2 #32, SP
MOVCS #16, P.AAA, TERM_TABLE
MOVCS #0, (SP), #0, #8, TERM_DESCR
MOVW #16, TERM_DESCR
MOVAB TERM_TABLE, TERM_DESCR+4
BICB2 #8, AED_L_FLAGS+T
PUSHL #1
PUSHL #1
CALLS #2, SCR$ERASE_PAGE
MOVL #1, (SP)
PUSHL SP
PUSHAB LIBR_INDEX
CALLS #2, [LBR$INI_CONTROL
MOVL R0, LOCAL_STATUS
BLBS LOCAL_STATUS, 3$
BBC #3, AED_L_FLAGS, 1$
PUSHL #1
PUSHL #21
CALLS #2, SCR$ERASE_PAGE
PUSHL #1
PUSHL #21
CALLS #2, SCR$SET_CURSOR
PUSHL LOCAL_STATUS
CALLS #1, LIB$SIGNAL
BBC #3, AED_L_FLAGS, 2$
MOVZBL AED_B_COLUMN, -(SP)
MOVZBL AED_B_LINE, -(SP)
CALLS #2, SCR$SET_CURSOR
BITB LOCAL_STATUS, #7
BEQL 7$
EXTZV #0, #3, LOCAL_STATUS, R0
CMPZV #0, #3, AED_L_WORSTERR, R0
BLSS 6$
BRB 7$
PUSHAB HELP_FILE

```

```

5B 00000000G 00 9E 00002
5A 00000000G 00 9E 00009
59 00000000G 00 9E 00010
58 00000000G 00 9E 00017
57 0000' CF 9E 0001E
5E 20 C2 00023
08 08 AE 0000' CF 10 28 00026
00 6E 00 2C 0002D
18 AE 00032
18 AE 10 B0 00034
1C AE 08 AE 9E 00038
01 A7 08 8A 0003D
01 DD 00041
01 DD 00043
69 02 FB 00045
6E 01 D0 00048
08 5E DD 0004B
AE 9F 0004D
00000000G 00 02 FB 00050
52 50 D0 00057
3A 52 E8 0005A
0E 67 03 E1 0005D
01 DD 00061
15 DD 00063
69 02 FB 00065
01 DD 00068
15 DD 0006A
68 02 FB 0006C
52 DD 0006F 1$:
6B 01 FB 00071
08 67 03 E1 00074
7E 20 A7 9A 00078
7E 24 A7 9A 0007C
68 02 FB 00080
07 52 93 00083 2$:
5F 13 00086
50 03 00  EF 00088
50 03 00  ED 0008D
4E 19 00093
0000' 50 11 00095
CF 9F 00097 3$:

```

```

: 0535
:
: 0583
: 0616
: 0617
: 0618
: 0620
: 0621
:
: 0625
:
: 0626
: 0629
:
:
:
: 0630
: 0633

```

| | | | | | | | | |
|----|-----------|-------|-------|---------------------|--------|------------------------------|--|------|
| | | | 08 | AE 9F 0009B | PUSHAB | LIBR INDEX | | |
| | 00000000G | 00 | | 02 FB 0009E | CALLS | #2, [C]R\$OPEN | | |
| | | 52 | | 50 DO 000A5 | MOVL | R0, LOCAL_STATUS | | |
| | | 40 | | 52 E8 000A8 | BLBS | LOCAL_STATUS, 8\$ | | 0634 |
| | OE | 67 | | 03 E1 000AB | BBC | #3, AED_L_FLAGS, 4\$ | | 0637 |
| | | | | 01 DD 000AF | PUSHL | #1 | | |
| | | 69 | | 15 DD 000B1 | PUSHL | #21 | | |
| | | | | 02 FB 000B3 | CALLS | #2, SCR\$ERASE_PAGE | | |
| | | | | 01 DD 000B6 | PUSHL | #1 | | |
| | | 68 | | 15 DD 000B8 | PUSHL | #21 | | |
| | | | | 02 FB 000BA | CALLS | #2, SCR\$SET_CURSOR | | |
| | | 6B | | 52 DD 000BD 4\$: | PUSHL | LOCAL_STATUS | | |
| | OB | 67 | | 01 FB 000BF | CALLS | #1, LIB\$SIGNAL | | |
| | | 7E | | 03 E1 000C2 | BBC | #3, AED_L_FLAGS, 5\$ | | |
| | | 7E | 20 | A7 9A 000C6 | MOVZBL | AED_B_COLUMN, -(SP) | | |
| | | 68 | 24 | A7 9A 000CA | MOVZBL | AED_B_LINE, -(SP) | | |
| | | 07 | | 02 FB 000CE | CALLS | #2, SCR\$SET_CURSOR | | |
| | | | | 52 93 000D1 5\$: | BITB | LOCAL_STATUS, #7 | | |
| | | | | 11 13 000D4 | BEQL | 7\$ | | |
| 50 | | 03 | | 00 EF 000D6 | EXTZV | #0, #3, LOCAL_STATUS, R0 | | |
| 50 | 14 | 03 | | 00 ED 000DB | CMPZV | #0, #3, AED_L_WORSTERR, R0 | | |
| | | | | 04 18 000E1 | BGEQ | 7\$ | | |
| | | 14 | | A7 52 D0 000E3 6\$: | MOVL | LOCAL_STATUS, AED_L_WORSTERR | | |
| | | 50 | | 52 D0 000E7 7\$: | MOVL | LOCAL_STATUS, R0 | | 0638 |
| | | | | 04 000EA | RET | | | |
| | 07 | 02 | | A7 04 E1 000EB 8\$: | BBC | #4, AED_L_FLAGS+2, 9\$ | | 0641 |
| | | 53 | 0000' | CF 9E 000F0 | MOVAB | P.AAH, RECP_TYPE | | 0642 |
| | | | | 22 11 000F5 | BRB | 13\$ | | |
| | 07 | 67 | | 02 E1 000F7 9\$: | BBC | #2, AED_L_FLAGS, 10\$ | | 0643 |
| | | 53 | 0000' | CF 9E 000FB | MOVAB | P.AAJ, RECP_TYPE | | 0644 |
| | | | | 17 11 00100 | BRB | 13\$ | | |
| | 07 | 67 | | 01 E1 00102 10\$: | BBC | #1, AED_L_FLAGS, 11\$ | | 0645 |
| | | 53 | 0000' | CF 9E 00106 | MOVAB | P.AAL, RECP_TYPE | | 0646 |
| | | | | 0C 11 0010B | BRB | 13\$ | | |
| | | 07 | | 67 E9 0010D 11\$: | BLBC | AED_L_FLAGS, 12\$ | | 0647 |
| | | 53 | 0000' | CF 9E 00110 | MOVAB | P.AAN, HELP_TYPE | | 0648 |
| | | | | 02 11 00115 | BRB | 13\$ | | |
| | | | | 53 D4 00117 12\$: | CLRL | HELP_TYPE | | 0647 |
| | | | | 3E 13 00119 13\$: | BEQL | 18\$ | | 0650 |
| | | | | 01 DD 0011B | PUSHL | #1 | | 0651 |
| | | | | 01 DD 0011D | PUSHL | #1 | | |
| | | 68 | | 02 FB 0011F | CALLS | #2, SCR\$SET_CURSOR | | |
| | | | | 53 DD 00122 | PUSHL | HELP_TYPE | | 0652 |
| | | | | 7E D4 00124 | CLRL | -(SP) | | |
| | | | 0000V | CF 9F 00126 | PUSHAB | AED_HELPOUTPUT | | |
| | | | 18 | A7 9F 0012A | PUSHAB | AED_L_PAGEWIDTH | | |
| | | | 14 | AE 9F 0012D | PUSHAB | LIBR INDEX | | |
| | | 6A | | 05 FB 00130 | CALLS | #5, [C]R\$GET_HELP | | |
| 09 | 02 | A7 | | 04 E1 00133 | BBC | #4, AED_L_FLAGS+2, 16\$ | | 0653 |
| | | | 0000' | CF 9F 00138 14\$: | PUSHAB | NEW_KEY_MSG1 | | |
| | | 0000G | CF | 01 FB 0013C 15\$: | CALLS | #1, AED_PUTOUTPUT | | |
| | | | | 01 DD 00141 16\$: | PUSHL | #1 | | 0654 |
| | | | | 18 DD 00143 | PUSHL | #24 | | |
| | | 68 | | 02 FB 00145 | CALLS | #2, SCR\$SET_CURSOR | | |
| | | 52 | | 01 CE 00148 17\$: | MNEGL | #1, HELP_KEY | | 0661 |
| | | 0000G | CF | 00 FB 0014B | CALLS | #0, AED_DECODEKEY | | 0662 |
| | | 54 | | 50 DO 00150 | MOVL | R0, TERM_CHAR | | |

| | | | | | | | | | |
|-----------|----|------|-------|------|-------|-------------|-------------------------|------------------|------|
| | 01 | A7 | 08 | 8A | 00153 | BICB2 | #8, AED_L_FLAGS+1 | 0663 | |
| | | | 54 | D5 | 00157 | TSTL | TERM_CHAR | 0664 | |
| | | | 03 | 12 | 00159 | 18\$: BNEQ | 19\$ | | |
| | | | 028E | 31 | 0015B | BRW | 97\$ | | |
| 65 | 02 | A7 | 05 | E0 | 0015E | 19\$: BBS | #5, AED_L_FLAGS+2, 27\$ | 0668 | |
| | | 20 | 54 | D1 | 00163 | CMPL | TERM_CHAR, #32 | 0676 | |
| | | | 16 | 12 | 00166 | BNEQ | 20\$ | | |
| | 02 | A7 | 10 | 8A | 00168 | BICB2 | #16, AED_L_FLAGS+2 | 0678 | |
| | | | 01 | DD | 0016C | PUSHL | #1 | 0679 | |
| | | | 01 | DD | 0016E | PUSHL | #1 | | |
| | | 69 | 02 | FB | 00170 | CALLS | #2, SCR\$ERASE_PAGE | | |
| | | | 04 | AE | 9F | 00173 | PUSHAB | LIBR_INDEX | 0680 |
| 00000000G | 00 | | 01 | FB | 00176 | CALLS | #1, [BR\$CLOSE | | |
| | | | | 04 | 0017D | RET | | | |
| | | 09 | 54 | D1 | 0017E | 20\$: CMPL | TERM_CHAR, #9 | 0685 | |
| | | | 0F | 12 | 00181 | BNEQ | 21\$ | | |
| | | 53 | 0000' | CF | 9E | 00183 | MOVAB | P.AAP, HELP_TYPE | 0687 |
| | | | | 52 | D4 | 00188 | CLRL | HELP_KEY | 0688 |
| | 02 | A7 | 10 | 88 | 0018A | BISB2 | #16, AED_L_FLAGS+2 | 0689 | |
| | | | 55 | 7C | 0018E | CLRQ | ITEM_INDEX | 0690 | |
| | | | 26 | 11 | 00190 | BRB | 25\$ | 0671 | |
| | | 0D | 54 | D1 | 00192 | 21\$: CMPL | TERM_CHAR, #13 | 0695 | |
| | | | 24 | 12 | 00195 | BNEQ | 26\$ | | |
| 07 | | 67 | 02 | E1 | 00197 | BBC | #2, AED_L_FLAGS, 22\$ | 0697 | |
| | | 53 | 0000' | CF | 9E | 0019B | MOVAB | P.AAR, RECP_TYPE | 0698 |
| | | | | 10 | 11 | 001A0 | BRB | 24\$ | |
| 07 | | 67 | 01 | E1 | 001A2 | 22\$: BBC | #1, AED_L_FLAGS, 23\$ | 0699 | |
| | | 53 | 0000' | CF | 9E | 001A6 | MOVAB | P.AAT, RECP_TYPE | 0700 |
| | | | | 05 | 11 | 001AB | BRB | 24\$ | |
| | | 53 | 0000' | CF | 9E | 001AD | 23\$: MOVAB | P.AAV, HELP_TYPE | 0701 |
| | | | | 52 | D4 | 001B2 | 24\$: CLRL | HELP_KEY | 0702 |
| | 02 | A7 | 10 | 8A | 001B4 | BICB2 | #16, AED_L_FLAGS+2 | 0703 | |
| | | | 0082 | 31 | 001B8 | 25\$: BRW | 34\$ | 0671 | |
| | | 3F | 54 | D1 | 001BB | 26\$: CMPL | TERM_CHAR, #63 | 0708 | |
| | | | 7D | 12 | 001BE | BNEQ | 34\$ | | |
| | | 53 | 0000' | CF | 9E | 001C0 | MOVAB | P.AAX, HELP_TYPE | 0710 |
| | | | | 0165 | 31 | 001C5 | BRW | 76\$ | 0711 |
| | | 01 | 54 | CF | 001C8 | 27\$: CASEL | TERM_CHAR, #1, #40 | 0717 | |
| | | | | | | 28\$: .WORD | 48\$-28\$,- | | |
| 00CE | 28 | 00C7 | 00C0 | | 001CC | | 49\$-28\$,- | | |
| 00F9 | | 00D5 | 00CE | | 001D4 | | 49\$-28\$,- | | |
| 00A4 | | 00B9 | 00F9 | | 001DC | | 50\$-28\$,- | | |
| 00B2 | | 00AB | 00A4 | | 001E4 | | 50\$-28\$,- | | |
| 0096 | | 0088 | 00B2 | | 001EC | | 50\$-28\$,- | | |
| 009D | | 0088 | 0052 | | 001F4 | | 52\$-28\$,- | | |
| 00E4 | | 00DD | 0052 | | 001FC | | 52\$-28\$,- | | |
| 0052 | | 007A | 00F2 | | 00204 | | 62\$-28\$,- | | |
| 0052 | | 006C | 0057 | | 0020C | | 62\$-28\$,- | | |
| 0052 | | 0073 | 0065 | | 00214 | | 47\$-28\$,- | | |
| | | | 0081 | | 0021C | | 47\$-28\$,- | | |
| | | | | | | | 42\$-28\$,- | | |
| | | | | | | | 42\$-28\$,- | | |
| | | | | | | | 44\$-28\$,- | | |
| | | | | | | | 44\$-28\$,- | | |
| | | | | | | | 45\$-28\$,- | | |
| | | | | | | | 45\$-28\$,- | | |
| | | | | | | | 39\$-28\$,- | | |
| | | | | | | | 38\$-28\$,- | | |

| | | | | | | | | |
|----|-------|----|----|-------|-------|-------------|-----------------|------|
| | | | | | | 40\$-28\$,- | | |
| | | | | | | 29\$-28\$,- | | |
| | | | | | | 38\$-28\$,- | | |
| | | | | | | 71\$-28\$,- | | |
| | | | | | | 41\$-28\$,- | | |
| | | | | | | 29\$-28\$,- | | |
| | | | | | | 29\$-28\$,- | | |
| | | | | | | 54\$-28\$,- | | |
| | | | | | | 56\$-28\$,- | | |
| | | | | | | 60\$-28\$,- | | |
| | | | | | | 58\$-28\$,- | | |
| | | | | | | 36\$-28\$,- | | |
| | | | | | | 29\$-28\$,- | | |
| | | | | | | 30\$-28\$,- | | |
| | | | | | | 31\$-28\$,- | | |
| | | | | | | 33\$-28\$,- | | |
| | | | | | | 29\$-28\$,- | | |
| | | | | | | 32\$-28\$,- | | |
| | | | | | | 29\$-28\$,- | | |
| | | | | | | 35\$-28\$,- | | |
| | | | | | | 29\$-28\$,- | | |
| | | | | | | 37\$-28\$,- | | |
| 52 | | 01 | CE | 0021E | 29\$: | MNEGL | #1, HELP_KEY | 0839 |
| | | 7C | 11 | 00221 | | BRB | 51\$ | |
| 52 | 0000' | CF | 9E | 00223 | 30\$: | MOVAB | P.AAZ, HELP_KEY | 0722 |
| | | 7C | 11 | 00228 | | BRB | 53\$ | |
| 52 | 0000' | CF | 9E | 0022A | 31\$: | MOVAB | P.ABB, HELP_KEY | 0726 |
| | | 7D | 11 | 0022F | | BRB | 55\$ | |
| 52 | 0000' | CF | 9E | 00231 | 32\$: | MOVAB | P.ABD, HELP_KEY | 0730 |
| | | 7D | 11 | 00236 | | BRB | 57\$ | |
| 52 | 0000' | CF | 9E | 00238 | 33\$: | MOVAB | P.ABF, HELP_KEY | 0734 |
| | | 7D | 11 | 0023D | 34\$: | BRB | 59\$ | |
| 52 | 0000' | CF | 9E | 0023F | 35\$: | MOVAB | P.ABH, HELP_KEY | 0738 |
| | | 7D | 11 | 00244 | | BRB | 61\$ | |
| 52 | 0000' | CF | 9E | 00246 | 36\$: | MOVAB | P.ABJ, HELP_KEY | 0742 |
| | | 28 | 11 | 0024B | | BRB | 43\$ | |
| 52 | 0000' | CF | 9E | 0024D | 37\$: | MOVAB | P.ABL, HELP_KEY | 0746 |
| | | 7B | 11 | 00252 | | BRB | 63\$ | |
| 52 | 0000' | CF | 9E | 00254 | 38\$: | MOVAB | P.ABN, HELP_KEY | 0749 |
| | | 74 | 11 | 00259 | | BRB | 63\$ | |
| 52 | 0000' | CF | 9E | 0025B | 39\$: | MOVAB | P.ABP, HELP_KEY | 0751 |
| | | 6D | 11 | 00260 | | BRB | 63\$ | |
| 52 | 0000' | CF | 9E | 00262 | 40\$: | MOVAB | P.ABR, HELP_KEY | 0753 |
| | | 66 | 11 | 00267 | | BRB | 63\$ | |
| 52 | 0000' | CF | 9E | 00269 | 41\$: | MOVAB | P.ABT, HELP_KEY | 0755 |
| | | 5F | 11 | 0026E | | BRB | 63\$ | |
| 52 | 0000' | CF | 9E | 00270 | 42\$: | MOVAB | P.ABV, HELP_KEY | 0758 |
| | | 58 | 11 | 00275 | 43\$: | BRB | 63\$ | |
| 52 | 0000' | CF | 9E | 00277 | 44\$: | MOVAB | P.ABX, HELP_KEY | 0761 |
| | | 05 | 11 | 0027C | | BRB | 46\$ | |
| 52 | 0000' | CF | 9E | 0027E | 45\$: | MOVAB | P.ABZ, HELP_KEY | 0764 |
| | | 79 | 11 | 00283 | 46\$: | BRB | 70\$ | |
| 52 | 0000' | CF | 9E | 00285 | 47\$: | MOVAB | P.ACB, HELP_KEY | 0767 |
| | | 7E | 11 | 0028A | | BRB | 72\$ | |
| 52 | 0000' | CF | 9E | 0028C | 48\$: | MOVAB | P.ACD, HELP_KEY | 0769 |
| | | 77 | 11 | 00291 | | BRB | 72\$ | |
| 52 | 0000' | CF | 9E | 00293 | 49\$: | MOVAB | P.ACF, HELP_KEY | 0772 |

| | | | | | | | | | | | | |
|------|--|----|-------|-------|----|-------|-------|-------|-------------------------|--|--|------|
| | | | | 70 | 11 | 00298 | | BRB | 72\$ | | | |
| | | 52 | 0000' | CF | 9E | 0029A | 50\$: | MOVAB | P.ACH, HELP_KEY | | | 0775 |
| | | | | 69 | 11 | 0029F | 51\$: | BRB | 72\$ | | | |
| | | 52 | 0000' | CF | 9E | 002A1 | 52\$: | MOVAB | P.ACJ, HELP_KEY | | | 0778 |
| | | | | 0082 | 31 | 002A6 | 53\$: | BRW | 75\$ | | | |
| | | 52 | 0000' | CF | 9E | 002A9 | 54\$: | MOVAB | P.ACL, HELP_KEY | | | 0780 |
| | | | | 7F | 11 | 002AE | 55\$: | BRB | 77\$ | | | |
| | | 52 | 0000' | CF | 9E | 002B0 | 56\$: | MOVAB | P.ACN, HELP_KEY | | | 0782 |
| | | | | 7F | 11 | 002B5 | 57\$: | BRB | 79\$ | | | |
| | | 52 | 0000' | CF | 9E | 002B7 | 58\$: | MOVAB | P.ACP, HELP_KEY | | | 0784 |
| | | | | 7F | 11 | 002BC | 59\$: | BRB | 81\$ | | | |
| | | 52 | 0000' | CF | 9E | 002BE | 60\$: | MOVAB | P.ACR, HELP_KEY | | | 0786 |
| | | | | 7F | 11 | 002C3 | 61\$: | BRB | 83\$ | | | |
| 08 | | 02 | A7 | 04 | E0 | 002C5 | 62\$: | BBS | #4, AED L FLAGS+2, 64\$ | | | 0791 |
| | | | 52 | 0000' | CF | 9E | 002CA | MOVAB | P.ACT, RECP_KEY | | | 0792 |
| | | | | 0080 | 31 | 002CF | 63\$: | BRW | 86\$ | | | |
| 02 | | | 00 | 56 | CF | 002D2 | 64\$: | CASEL | FIELD_INDEX, #0, #2 | | | 0795 |
| 001D | | | 0016 | 000F | | 002D6 | 65\$: | .WORD | 66\$-65\$,- | | | |
| | | | | | | | | | 67\$-65\$,- | | | |
| | | | | | | | | | 68\$-65\$ | | | |
| | | | | 56 | D4 | 002DC | | CLRL | FIELD_INDEX | | | 0801 |
| | | 53 | 0000' | CF | 9E | 002DE | | MOVAB | P.ADB, HELP_TYPE | | | 0802 |
| | | | | 13 | 11 | 002E3 | | BRB | 69\$ | | | |
| | | 53 | 0000' | CF | 9E | 002E5 | 66\$: | MOVAB | P.ACV, HELP_TYPE | | | 0797 |
| | | | | 0C | 11 | 002EA | | BRB | 69\$ | | | |
| | | 53 | 0000' | CF | 9E | 002EC | 67\$: | MOVAB | P.ACX, HELP_TYPE | | | 0798 |
| | | | | 05 | 11 | 002F1 | | BRB | 69\$ | | | |
| | | 53 | 0000' | CF | 9E | 002F3 | 68\$: | MOVAB | P.ACZ, HELP_TYPE | | | 0799 |
| | | | | 52 | D4 | 002F8 | 69\$: | CLRL | HELP_KEY | | | 0805 |
| | | | | 56 | D6 | 002FA | | INCL | FIELD_INDEX | | | 0806 |
| | | | | 55 | D4 | 002FC | | CLRL | ITEM_INDEX | | | 0807 |
| | | | | 67 | 11 | 002FE | 70\$: | BRB | 90\$ | | | 0717 |
| 07 | | 02 | A7 | 04 | E0 | 00300 | 71\$: | BBS | #4, AED L FLAGS+2, 73\$ | | | 0813 |
| | | | 52 | 0000' | CF | 9E | 00305 | MOVAB | P.ADD, RECP_KEY | | | 0814 |
| | | | | 5B | 11 | 0030A | 72\$: | BRB | 90\$ | | | |
| | | | | 55 | D6 | 0030C | 73\$: | INCL | ITEM_INDEX | | | 0817 |
| | | | | 55 | CF | 0030E | | CASEL | ITEM_INDEX, #0, #8 | | | 0818 |
| 002D | | | 08 | 001B | | 00312 | 74\$: | .WORD | 76\$-74\$,- | | | |
| 0049 | | | 0026 | 0034 | | 0031A | | | 78\$-74\$,- | | | |
| | | | 0042 | 0050 | | 00322 | | | 80\$-74\$,- | | | |
| | | | | | | | | | 82\$-74\$,- | | | |
| | | | | | | | | | 84\$-74\$,- | | | |
| | | | | | | | | | 85\$-74\$,- | | | |
| | | | | | | | | | 87\$-74\$,- | | | |
| | | | | | | | | | 88\$-74\$,- | | | |
| | | | | | | | | | 89\$-74\$ | | | |
| | | | | 55 | D4 | 00324 | | CLRL | ITEM_INDEX | | | 0830 |
| | | 52 | 0000' | CF | 9E | 00326 | | MOVAB | P.ADV, HELP_KEY | | | 0831 |
| | | | | 3A | 11 | 0032B | 75\$: | BRB | 90\$ | | | |
| | | | | 52 | D4 | 0032D | 76\$: | CLRL | HELP_KEY | | | 0818 |
| | | | | 36 | 11 | 0032F | 77\$: | BRB | 90\$ | | | |
| | | 52 | 0000' | CF | 9E | 00331 | 78\$: | MOVAB | P.ADF, HELP_KEY | | | 0821 |
| | | | | 2F | 11 | 00336 | 79\$: | BRB | 90\$ | | | |
| | | 52 | 0000' | CF | 9E | 00338 | 80\$: | MOVAB | P.ADH, HELP_KEY | | | 0822 |
| | | | | 28 | 11 | 0033D | 81\$: | BRB | 90\$ | | | |
| | | 52 | 0000' | CF | 9E | 0033F | 82\$: | MOVAB | P.ADJ, HELP_KEY | | | 0823 |
| | | | | 21 | 11 | 00344 | 83\$: | BRB | 90\$ | | | |

| | | | | | | | |
|----|----|-------|---------------|-------|--------|-------------------------|------|
| | 52 | 0000' | CF 9E 00346 | 84\$: | MOVAB | P.ADL, HELP_KEY | 0824 |
| | | | 1A 11 0034B | | BRB | 90\$ | |
| | 52 | 0000' | CF 9E 0034D | 85\$: | MOVAB | P.ADN, HELP_KEY | 0825 |
| | | | 13 11 00352 | 86\$: | BRB | 90\$ | |
| | 52 | 0000' | CF 9E 00354 | 87\$: | MOVAB | P.ADP, HELP_KEY | 0826 |
| | | | 0C 11 00359 | | BRB | 90\$ | |
| | 52 | 0000' | CF 9E 0035B | 88\$: | MOVAB | P.ADR, HELP_KEY | 0827 |
| | | | 05 11 00360 | | BRB | 90\$ | |
| | 52 | 0000' | CF 9E 00362 | 89\$: | MOVAB | P.ADT, HELP_KEY | 0828 |
| | | | 52 D5 00367 | 90\$: | TSTL | HELP_KEY | 0844 |
| | | | 03 18 00369 | | BGEQ | 91\$ | |
| | | | FDDA 31 0036B | | BRW | 17\$ | |
| | | | 01 DD 0036E | 91\$: | PUSHL | #1 | 0847 |
| | | | 01 DD 00370 | | PUSHL | #1 | |
| | 69 | | 02 FB 00372 | | CALLS | #2, SCR\$ERASE_PAGE | |
| | | | 01 DD 00375 | | PUSHL | #1 | 0848 |
| | | | 01 DD 00377 | | PUSHL | #1 | |
| | 68 | | 02 FB 00379 | | CALLS | #2, SCR\$SET_CURSOR | |
| | | 0000' | CF D4 0037C | | CLRL | NO TEXT | 0849 |
| | | | 52 DD 00380 | | PUSHL | HELP_KEY | 0851 |
| | | | 53 DD 00382 | | PUSHL | HELP_TYPE | |
| | | | 7E D4 00384 | | CLRL | -(SP) | 0850 |
| | | 0000V | CF 9F 00386 | | PUSHAB | AED_HELPOUTPUT | |
| | | 18 | A7 9F 0038A | | PUSHAB | AED_L_PAGEWIDTH | |
| | | 18 | AE 9F 0038D | | PUSHAB | LIBR_INDEX | |
| | 6A | | 06 FB 00390 | | CALLS | #6, [BR\$GET_HELP | |
| | 3E | 0000' | CF E9 00393 | | BLBC | NO TEXT, 94\$ | 0852 |
| | 55 | | 01 D0 00398 | | MOVL | #1, ITEM_INDEX | 0855 |
| | | 0000' | CF D4 0039B | | CLRL | NO TEXT | 0856 |
| 09 | | | 04 E1 0039F | | BBC | #4, AED_L_FLAGS+2, 92\$ | 0858 |
| | 02 | | CF 9E 003A4 | | MOVAB | P.ADX, R0 | 0859 |
| | | | 50 DD 003A9 | | PUSHL | R0 | |
| | | | 02 11 003AB | | BRB | 93\$ | |
| | | | 7E D4 003AD | 92\$: | CLRL | -(SP) | 0858 |
| | | | 53 DD 003AF | 93\$: | PUSHL | HELP_TYPE | |
| | | | 7E D4 003B1 | | CLRL | -(SP) | 0857 |
| | | 0000V | CF 9F 003B3 | | PUSHAB | AED_HELPOUTPUT | |
| | | 18 | A7 9F 003B7 | | PUSHAB | AED_L_PAGEWIDTH | |
| | | 18 | AE 9F 003BA | | PUSHAB | LIBR_INDEX | |
| | 6A | | 06 FB 003BD | | CALLS | #6, [BR\$GET_HELP | |
| | 11 | 0000' | CF E9 003C0 | | BLBC | NO TEXT, 94\$ | 0860 |
| | | | 53 DD 003C5 | | PUSHL | HELP_TYPE | 0861 |
| | | | 7E D4 003C7 | | CLRL | -(SP) | 0860 |
| | | 0000V | CF 9F 003C9 | | PUSHAB | AED_HELPOUTPUT | |
| | | 18 | A7 9F 003CD | | PUSHAB | AED_L_PAGEWIDTH | |
| | | 14 | AE 9F 003D0 | | PUSHAB | LIBR_INDEX | |
| | | | 05 FB 003D3 | | CALLS | #5, [BR\$GET_HELP | |
| 03 | | | 04 E1 003D6 | 94\$: | BBC | #4, AED_L_FLAGS+2, 95\$ | 0863 |
| | | | FDSA 31 003DB | | BRW | 14\$ | |
| | | | 52 D5 003DE | 95\$: | TSTL | HELP_KEY | 0865 |
| | | | 03 12 003E0 | | BNEQ | 96\$ | |
| | | | FDSA 31 003E2 | | BRW | 16\$ | |
| | | 0000' | CF 9F 003E5 | 96\$: | PUSHAB | NEW_KEY_MSG | |
| | | | FDSA 31 003E9 | | BRW | 15\$ | |
| | | | 50 D4 003EC | 97\$: | CLRL | R0 | 0872 |
| | | | 04 003EE | | RET | | |

AED\$HELP
V04-000

^{E 5}
15-Sep-1984 23:41:50
14-Sep-1984 11:52:24

VAX-11 Bliss-32 V4.0-742
[ACLEDT.SRC]AED\$HELP.B32;1

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(3)

; Routine Size: 1007 bytes, Routine Base: \$CODE\$ + 0000

```

: 424 0873 1 ROUTINE AED_HELPOUTPUT (DESCR, FLAGS, DATA_ARG, KEY_LEVEL) =
: 425 0874 1
: 426 0875 1 !++
: 427 0876 1
: 428 0877 1 FUNCTIONAL DESCRIPTION:
: 429 0878 1
: 430 0879 1 This routine does the necessary checking to insure that only the
: 431 0880 1 useful information from the help library is put on the screen.
: 432 0881 1
: 433 0882 1 CALLING SEQUENCE:
: 434 0883 1 AED_HELPOUTPUT (ARG1, ARG2, ARG3, ARG4)
: 435 0884 1
: 436 0885 1 INPUT PARAMETERS:
: 437 0886 1 ARG1: addr of the descr for the line to output
: 438 0887 1 ARG2: addr of a flag longword
: 439 0888 1 ARG3: address of the data argument (unused here)
: 440 0889 1 ARG4: address of the current key level
: 441 0890 1
: 442 0891 1 IMPLICIT INPUTS:
: 443 0892 1 none
: 444 0893 1
: 445 0894 1 OUTPUT PARAMETERS:
: 446 0895 1 none
: 447 0896 1
: 448 0897 1 IMPLICIT OUTPUTS:
: 449 0898 1 none
: 450 0899 1
: 451 0900 1 ROUTINE VALUE:
: 452 0901 1 1 if successful,
: 453 0902 1 status code otherwise
: 454 0903 1
: 455 0904 1 SIDE EFFECTS:
: 456 0905 1 none
: 457 0906 1
: 458 0907 1 !--
: 459 0908 1
: 460 0909 2 BEGIN
: 461 0910 2
: 462 0911 2 MAP
: 463 0912 2 DESCR : REF $BLOCK, ! Text string descriptor
: 464 0913 2 FLAGS : REF VECTOR; ! Text data type flags
: 465 0914 2
: 466 0915 2 IF (.FLAGS[0] AND HLP$M_NOHLPTEXT) NEQ 0 THEN NO_TEXT = 1;
: 467 0916 2 IF .FLAGS[0] NEQ 0 THEN RETURN 1;
: 468 0917 2
: 469 0918 2 AED_PUTOUTPUT ($DESCRIPTOR (%CHAR(AED_C_CHAR_CR), %CHAR(AED_C_CHAR_LF)));
: 470 0919 2 AED_PUTOUTPUT (.DESCR);
: 471 0920 2 RETURN 1;
: 472 0921 2
: 473 0922 1 END; ! End of routine AED_HELPOUTPUT

```

.PSECT \$SPLITS,NOWRT,NOEXE,2

OD 00464 P.AEA: .ASCII <13>
OA 00465 .ASCII <10>

⋮

```

00000002 00466 P.ADZ: .BLKB 2
00000000 00468 .LONG 2
00000000 0046C .ADDRESS P.AEA
    
```

.PSECT \$CODE\$,NOWRT,2

```

0000 0000 AED_HELPOUTPUT:
0000' 05 08 BC E9 00002 .WORD Save nothing : 0873
      CF 01 D0 00006 BLBC @FLAGS, 1$ : 0915
      08 BC D5 0000B 1$: MOVL #1, NO_TEXT :
      11 12 0000E TSTL @FLAGS- : 0916
0000G CF 0000' CF 9F 00010 BNEQ 2$ : 0918
      01 FB 00014 PUSHAB P.ADZ :
      04 AC DD 00019 CALLS #1, AED_PUTOUTPUT : 0919
0000G CF 01 FB 0001C CALLS #1, AED_PUTOUTPUT :
      50 01 D0 00021 2$: MOVL #1, R0 : 0920
      04 00024 RET : 0922
    
```

; Routine Size: 37 bytes, Routine Base: \$CODE\$ + 03EF

```

: 474 0923 1
: 475 0924 1 END
: 476 0925 0 ELUDOM
    
```

PSECT SUMMARY

| Name | Bytes | Attributes |
|------------|-------|--|
| AED_COMMON | 1320 | NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, OVR, NOPIC, ALIGN(0) |
| SOWNS | 4 | NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2) |
| SPLITS | 1136 | NOVEC, NOWRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2) |
| \$CODE\$ | 1044 | NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2) |

Library Statistics

| File | Total | Symbols Loaded | Percent | Pages Mapped | Processing Time |
|---------------------------------|-------|----------------|---------|--------------|-----------------|
| _\$255\$DUA28:[SYSLIB]LIB.L32;1 | 18619 | 26 | 0 | 1000 | 00:01.7 |

```

: Information: 2
: Warnings: 0
    
```

: Errors: 0

:
: COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS:AEDHELP/OBJ=OBJ\$:AEDHELP MSRCS:AEDHELP/UPDATE=(ENHS:AEDHELP)

: Size: 1044 code + 2460 data bytes
: Run Time: 00:25.3
: Elapsed Time: 01:18.7
: Lines/CPU Min: 2193
: Lexemes/CPU-Min: 18030
: Memory Used: 314 pages
: Compilation Complete

0003 AH-BT13A-SE
VAX/VMS V4.0

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