

[illegible]

```
SSSSSSSS HH HH 0000CO MM MM SSSSSSSS GGGGGGGG UU UU TTTTTTTTTT LL
SSSSSSSS HH HH 000000 MM MM SSSSSSSS GGGGGGGG UU UU TTTTTTTTTT LL
SS SS HH HH 00 00 MMMM MMMM SS SS GG GG UU UU TT TT LL
SS SS HH HH 00 00 MMMM MMMM SS SS GG GG UU UU TT TT LL
SS SS HH HH 00 00 MM MM SS SS GG GG UU UU TT TT LL
SSSSSS HH HH 00 00 MM MM SSSSSS SS GG GG UU UU TT TT LL
SSSSSS HH HH 00 00 MM MM SSSSSS SS GG GG UU UU TT TT LL
SS SS HH HH 00 00 MM MM SSSSSS SS GG GG UU UU TT TT LL
SS SS HH HH 00 00 MM MM SSSSSS SS GG GG UU UU TT TT LL
SSSSSSSS HH HH 000000 MM MM SSSSSSSS GGGGGG UUUUUUUUUU TT LLLLLLLLLL
SSSSSSSS HH HH 000000 MM MM SSSSSSSS GGGGGG UUUUUUUUUU TT LLLLLLLLLL
                                                                ....
                                                                ....
                                                                ....
                                                                ....
```

```
LL LL I I I I I I SSSSSSSS
LL LL I I I I I I SSSSSSSS
LL LL I I SS
LL LL I I SS
LL LL I I SS
LL LL I I SSSSSS
LL LL I I SSSSSS
LL LL I I SS
LL LL I I SS
LL LL I I SS
LLLLLLLLLL I I I I I I SSSSSSSS
LLLLLLLLLL I I I I I I SSSSSSSS
```


(2) 62
(3) 140
(4) 237

DECLARATIONS
SHOW\$PRINT_MSG
SHOW_PRINT_LINE

- PRINT MESSAGE ROUTINE
- PRINT LINE ROUTINE

```

0000 1      .TITLE  SHOWMSG_UTIL - MESSAGE PRINTING UTILITIES
0000 2      .IDENT  'V04-000'
0000 3
0000 4
0000 5 *****
0000 6
0000 7      *  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0000 8      *  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0000 9      *  ALL RIGHTS RESERVED.
0000 10
0000 11      *  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
0000 12      *  ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
0000 13      *  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
0000 14      *  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
0000 15      *  OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
0000 16      *  TRANSFERRED.
0000 17
0000 18      *  THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0000 19      *  AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0000 20      *  CORPORATION.
0000 21
0000 22      *  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 23      *  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 24
0000 25 *****
0000 26
0000 27
0000 28
0000 29  ++
0000 30  FACILITY:      SHOW COMMAND, MESSAGE UTILITY ROUTINES
0000 31
0000 32  ABSTRACT:
0000 33
0000 34      This module contains all message formatting and printing utilities
0000 35      for the SHOW command
0000 36
0000 37  ENVIRONMENT:
0000 38
0000 39      AUTHOR: BEATRICE U.WALTHER,      CREATION DATE: 10-OCT-1977
0000 40
0000 41  MODIFIED BY:
0000 42
0000 43      V03-002 GAS0100      Gerry Smith      11-Jan-1983
0000 44      Change SHOW$PRINT_LINE to SHOW_PRINT_LINE.
0000 45
0000 46      V03-001 GAS0065      Gerry Smith      29-Mar-1982
0000 47      If an error occurs during open or write to SYS$OUTPUT,
0000 48      signal the error and stop.
0000 49
0000 50  :  VERSION
0000 51  01  :
0000 52
0000 53  02  Gary Fowler      22-May-1979
0000 54      Remove FOP from $FAB so new output file will be created if
0000 55      SYS$OUTPUT is reassigned to a file that already exists.
0000 56
0000 57  03  Jim Teague

```


SHOWMSG_UTIL
V04-000

- MESSAGE PRINTING UTILITIES

F 7

15-SEP-1984 23:45:26 VAX/VMS Macro V04-00
4-SEP-1984 23:22:01 [CLIUTL.SRC]SHOMSGUTL.MAR;1

Page 2
(1)

0000 58 :
0000 59 :
0000 60 :--

Changed W^ references to L^ references.

```
0000 62 .SBTTL DECLARATIONS
0000 63
0000 64 :
0000 65 : INCLUDE FILES:
0000 66 :
0000 67 $RMSDEF
0000 68 :
0000 69 : MACROS:
0000 70 :
0000 71 :
0000 72 :
0000 73 :
0000 74 : EQUATED SYMBOLS:
0000 75 :
0000 76 :
0000 77 : define structure of a message table entry
0000 78 :
0000 79
0000 80 $DEFINI MSG
0000 81 $DEF MSG_Q_TEXT:
00000008 0000 82 .BLRQ 1 ; descriptor to message text
00000009 0008 83 $DEF MSG_B_CODE: ; code associated with message
0000000A 0009 84 .BLRB 1
0000000A 0009 85 $DEF MSG_B_CONTIN: ; continuation flag
0000000B 000A 86 .BLRB 1
0000000C 000A 87 $DEF MSG_B_PARAM:
0000000C 000B 88 .BLRB 1 ; count of associated FAO parameters
0000000C 000B 89 .BLKB 1 ; (spare)
0000 90 $DEF MSG_K_LENGTH: ; length of message table entry
0000 91
0000 92 $DEFEND MSG
0000 93
0000 94 :
0000 95 : define shared messages for open/write errors
0000 96 :
0000 97 $SHR_MSGDEF SHOW, 120, LOCAL, - ; make it a SHOW error
0000 98 <<OPENOUT,ERROR>,- ; error opening file
0000 99 <<WRITEERR,ERROR>> ; error writing to file
0000 100
0000 101 :
0000 102 : OWN STORAGE:
0000 103 :
0000 104 :
00000000 105 .PSECT SHOW$RWDATA LONG,RD,WRT,NOEXE
0000 106
0000 107 OUTPUT_DNA: ; FILE NAME STRING
0000 108 .ASCII /SYS$OUTPUT:/
0000000B 000B 109 OUTPUT_DNA_LEN =.-OUTPUT_DNA
0000 110 .ALIGN LONG
0000 111 OUTPUT_FAB:
0000 112 $FAB FAC=PUT,- ; ALLOCATE FILE ACCESS BLOCK
0000 113 DNA=OUTPUT_DNA,- ; FOR OUTPUT
0000 114 DNS=OUTPUT_DNA_LEN,-
0000 115 NAM=OUTPUT_NAM,- ; PROVIDE A NAME BLOCK
0000 116 RAT=CR ; APPEND A CARRIAGE RETURN
005C 117
005C 118 OUTPUT_RAB:
```

3A 54 55 50 54 55 4F 24 53 59 53
0000000B

	005C	119	\$RAB	FAB=OUTPUT_FAB	; AND RECORD ACCESS BLOCK
	00A0	120	OUTPUT_NAM:		
	00A0	121	\$NAM	ESA=OUT_ESA,-	; EXPANDED NAME
	00A0	122		ESS=NAM\$C_MAXRSS,-	
	00A0	123		RSA=OUT_RSA,-	; RESULTANT NAME
	00A0	124		RSS=NAM\$C_MAXRSS	
	0100	125	OUT_RSA:		
000001FF	0100	126	.BLKB	NAM\$C_MAXRSS	; RESERVE SPACE FOR RESULTANT STRING
	01FF	127	OUT_ESA:		
000002FE	01FF	128	.BLKB	NAM\$C_MAXRSS	; RESERVE SPACE FOR EXPANDED STRING
	02FE	129	RMS_STATUS:		
00000302	02FE	130	.BLKL	1	; RESERVE LONGWORD FOR RMS STATUS CO
	0302	131	OUTPUT_LENGTH:		
00000306	0302	132	.BLKL	1	; ACTUAL LENGTH OF OUTPUT BUFFER
	0306	133	SHOW\$GQ_OUT_DSC:		
00000100'	0306	134	.LONG	OUT_BUFF_LENGTH	; BUILD DESCRIPTOR FOR OUTPUT BUFFE
0000030E'	030A	135	.LONG	OUTPUT_BUFFER	
	030E	136	OUTPUT_BUFFER:		
0000040E	030E	137	.BLKB	256	; ALLOCATE OUTPUT BUFFER
00000100	040E	138	OUT_BUFF_LENGTH	=.-OUTPUT_BUFFER	

```
040E 140 .SBTTL SHOWSPRINT_MSG - PRINT MESSAGE ROUTINE
040E 141
040E 142 :++
040E 143 : FUNCTIONAL DESCRIPTION:
040E 144 : THIS ROUTINE FORMATS ALL MESSAGES AND PRINTS THEM ON SYSS$OUTPUT:
040E 145 : OR SYSS$ERROR DEPENDING ON THE CODE ASSOCIATED WITH THE MESSAGE.
040E 146 : ( SEE DESCRIPTION OF MACRO SHOW_DEFMSG FOR FORMAT OF MESSAGE TABLE)
040E 147 :
040E 148 : CALLING SEQUENCE:
040E 149 :
040E 150 : PUSHL #SHOW$ <MESSAGE MNEMONIC>
040E 151 : PUSHAL ARGLIST
040E 152 : CALLS #2,SHOWSPRINT_MSG
040E 153 :
040E 154 : INPUT PARAMETERS:
040E 155 :
040E 156 : 4(AP)= MESSAGE IDENTIFICATION NUMBER
040E 157 : 8(AP)= POINTER TO ARGUMENT LIST FOR $FAOL
040E 158 :
040E 159 : OUTPUT PARAMETERS:
040E 160 :
040E 161 : NONE
040E 162 :
040E 163 : IMPLICIT INPUT PARAMETERS:
040E 164 :
040E 165 : NONE
040E 166 :
040E 167 : IMPLICIT OUTPUT PARAMETERS:
040E 168 :
040E 169 : CALLS ROUTINE SHOW_PRINT_LINE
040E 170 :
040E 171 : COMPLETION CODES:
040E 172 :
040E 173 : NONE
040E 174 :
040E 175 : SIDE EFFECTS:
040E 176 :
040E 177 : NONE
040E 178 :--
040E 179 :
0000 180 .PSECT SHOW$CODE BYTE, RD, NOWRT, EXE
0000 181
0C00 0000 182 .ENTRY SHOWSPRINT_MSG, ^M<R10, R11>
0002 183
0002 184 :
0002 185 : initialize
0002 186 :
0002 187 :
0002 188 PUSHR #^M<R0> ; save status code
5B 0C 08 01 BB 0004 189 MULL3 8(AP), #MSG_K_LENGTH, R11
0009 190 ; CALCULATE OFFSET INTO MESSAGE TABLE
5A 04 AC D0 0009 191 MOVL 4(AP), R10 ; POINTER TO FAO PARAMETER LIST
000D 192
000D 193 :
000D 194 : format a message line
000D 195 :
000D 196 :
```



```
000D 197
000D 198 10$:
000D 199 $FAOL_S - ; FORMAT MESSAGE INTO OUPUT BUFFER
000D 200 CTRSTR=L^SHOWSA_MSGTXT(R11), - ; FAO CONTROL STRING
000D 201 OUTLEN=L^OUTPUT_LENGTH, - ; WORD TO RECEIVE ACTUAL LEN
000D 202 OUTBUF=L^SHOWSGO_OUT_DSC, - ; OUTPUT BUFFER DESCRIPTOR
000D 203 PRMLST=(R10) ; PARAMETER LIST
28 50 E9 002B 204 BLBC R0,99$ ; branch on error
002B 205
002B 206 ;
002B 207 ; print formatted line
002B 208 ;
002B 209
002B 210
030E'CF DF 002B 211 PUSHAL W^OUTPUT_BUFFER ; ADDRESS OF OUTPUT MESSAGE STRING
0302'CF DD 002F 212 PUSHL W^OUTPUT_LENGTH ; RESULTANT LENGTH OF OUTPUT MESSAGE
0054'CF 02 FB 0033 213 CALLS #2,W^SHOW_PRINT_LINE ; PRINT LINE ON SYSSOUTPUT:
18 50 E9 003B 214 BLBC R0,99$ ; branch on error
003B 215
003B 216 ;
003B 217 ; get next line of message
003B 218 ;
003B 219
003B 220
OF 00000015'EB E9 003B 221 BLBC L^SHOWSA_MSGTXT+MSG_K_LENGTH+MSG_B_CONTIN(R11),90$
0042 222 ; NO CONTINUATION
50 0000000A'EB 9A 0042 223 MOVZBL L^SHOWSA_MSGTXT+MSG_B_PARAM(R11),R0
0049 224 ; SKIP FAO PARAMETERS ALREADY PROCESSED
5A 50 C0 0049 225 ADDL2 R0,R10 ; UPDATE POINTER TO PARAMETER LIST
5B 0C C0 004C 226 ADDL2 #MSG_K_LENGTH,R11 ; SKIP TO NEXT MESSAGE ENTRY
BC 11 004F 227 BRB 10$ ; AND PROCESS NEXT LINE OF MESSAGE
0051 228
0051 229 ;
0051 230 ; exits
0051 231 ;
0051 232
0051 233 90$:
01 BA 0051 234 POPR #^M<R0> ; restore return code
04 0053 235 99$: RET ; ALL DONE
```

```

0054 237 .SBTTL SHOW_PRINT_LINE - PRINT LINE ROUTINE
0054 238
0054 239 :++
0054 240 : FUNCTIONAL DESCRIPTION:
0054 241 :
0054 242 : THIS ROUTINE PRINTS A LINE ON DEVICE SYS$OUTPUT
0054 243 :
0054 244 : CALLING SEQUENCE:
0054 245 :
0054 246 :     PUSHAL OUT_BUFFER
0054 247 :     PUSHL  OUT_LENGTH
0054 248 :     CALLS  #2,SHOW_PRINT_LINE
0054 249 :
0054 250 : WHERE: OUT_LENGTH = LENGTH OF CHARACTER STRING TO PRINT
0054 251 :        OUT_BUFFER = ADDRESS OF STRING TO PRINT
0054 252 :
0054 253 : A CR/LF IS AUTOMATICALLY APPENDED FOR EACH CALL
0054 254 :
0054 255 : NOTE:
0054 256 : IT IS HIGHLY RECOMMENDED TO USE THE COMMON LINE BUFFER PROVIDED
0054 257 : THE DESCRIPTOR OF WHICH IS ADDRESSED BY GLOBAL SYMBOL:
0054 258 :     SHOW$GQ_OUT_DSC
0054 259 :
0054 260 :
0054 261 : INPUT PARAMETERS:
0054 262 :
0054 263 :
0054 264 :     OUT_BUFFER
0054 265 :     OUT_LENGTH
0054 266 :
0054 267 : IMPLICIT INPUTS:
0054 268 :
0054 269 :     NONE
0054 270 :
0054 271 : OUTPUT PARAMETERS:
0054 272 :
0054 273 :     NONE
0054 274 :
0054 275 : IMPLICIT OUTPUTS:
0054 276 :
0054 277 :     LINE IS PRINTED ON SYS$OUTPUT:
0054 278 :
0054 279 : COMPLETION CODES:
0054 280 :
0054 281 :     RMS COMPLETION CODES
0054 282 :
0054 283 : SIDE EFFECTS:
0054 284 :
0054 285 :
0054 286 :     OPENS AND CONNECTS SYS$OUTPUT: IF NECESSARY
0054 287 :
0054 288 : --
00000054 289
00000054 290 .PSECT SHOW$CODE      BYTE, RD, NOWRT, EXE
000C 0054 291
000C 0054 292 .ENTRY SHOW_PRINT_LINE, ^M<R2, R3>
0056 293

```



```
0056 294 :
0056 295 : open SYS$OUTPUT: if not opened
0056 296 :
0056 297 :
0056 298 TSTW W^RAB$W_ISI+OUTPUT_RAB : HAS OUTPUT ALREADY BEEN OPENED ?
52 007810A2 8F B5 005A 299 BNEQ 10$ : YES
0056 300 MOVL #SHOW$ OPENOUT,R2 : ASSUME ERROR OPENING
0063 301 $CREATE FAB=W^OUTPUT_FAB : NO, OPEN IT
30 50 E9 006E 302 BLBC R0,100$ : BRANCH ON ERROR
22 50 E9 0071 303 $CONNECT RAB=W^OUTPUT_RAB : AND CONNECT
007C 304 BLBC R0,100$ : branch on error
007F 305
007F 306 :
007F 307 : print line on SYS$OUTPUT:
007F 308 :
007F 309 :
0084'CF 08 AC DO 007F 310 10$: MOVL 8(AP),W^OUTPUT_RAB+RAB$RBF
007E'CF 04 AC B0 0085 311 : INSERT OUTPUT BUFFER ADDRESS
0085 312 MOVW 4(AP),W^OUTPUT_RAB+RAB$RSZ
008B 313 : INSERT OUTPUT BUFFER LENGTH
52 007810D2 8F DO 008B 314 MOVL #SHOW$ WRITEERR,R2 : ASSUME ERROR WRITING
0092 315 $PUT RAB=W^OUTPUT_RAB : ISSUE RMS CALL TO PUT LINE
01 50 E9 009D 316 BLBC R0,100$ : BRANCH IF ERROR
00A0 317
00A0 318 :
00A0 319 : exit
00A0 320 :
00A0 321 :
00A0 322 90$:
04 00A0 323 RET : RETURN
00A1 324
00A1 325 :
00A1 326 : if an error occurred doing I/O, signal it here and stop
00A1 327 :
00A1 328 :
00A1 329 100$:
50 DD 00A1 330 PUSHL R0 : PUSH ERROR STATUS
00A3 331 :
00A3 332 : check for non-zero RSL. If no resultant name string, try the
00A3 333 : expanded name string. If both fail, simply use SYS$OUTPUT
00A3 334 :
00000306'EF 000000A3'EF 9A 00A3 335 MOVZBL OUTPUT_NAM+NAM$B_RSL,SHOW$GQ_OUT_DSC
0000030A'EF 00000100'EF 0D 13 00AE 336 BEQL 110$
0000030A'EF 00000100'EF 2C 11 00B0 337 MOVAL OUT_RSA,SHOW$GQ_OUT_DSC+4
00B8 338 BRB 130$
00BD 339 110$:
00000306'EF 000000AB'EF 9A 00BD 340 MOVZBL OUTPUT_NAM+NAM$B_ESL,SHOW$GQ_OUT_DSC
0000030A'EF 000001FF'EF 0D 13 00C8 341 BEQL 120$
0000030A'EF 000001FF'EF 12 11 00CA 342 MOVAL OUT_ESA,SHOW$GQ_OUT_DSC+4
00D5 343 BRB 130$
00D7 344 120$:
00000306'EF 0B DO 00D7 345 MOVL #OUTPUT_DNA_LEN,SHOW$GQ_OUT_DSC
0000030A'EF 00000000'EF DE 00DE 346 MOVAL OUTPUT_DNA,SHOW$GQ_OUT_DSC+4
00E9 347 130$:
00000306'EF DF 00E9 348 PUSHAL SHOW$GQ_OUT_DSC : PUSH OUTPUT DESCRIPTOR
01 DD 00EF 349 PUSHL #1
52 DD 00F1 350 PUSHL R2 : PUSH ERROR MESSAGE
```

SHOWMSG_UTIL
V04-000

M 7
- MESSAGE PRINTING UTILITIES
SHOW_PRINT_LINE - PRINT LINE ROUTINE

15-SEP-1984 23:45:26 VAX/VMS Macro V04-00
4-SEP-1984 23:22:01 [CLIUTL.SRC]SHOMSGUTL.MAR;1

Page 9
(4)

00000000'GF

04

FB

00F3
00FA

351
352

CALLS
.END

#4,G^LIB\$STOP

; SIGNAL AND STOP

SHOWMSG_UTIL
Symbol table

- MESSAGE PRINTING UTILITIES

N 7

15-SEP-1984 23:45:26 VAX/VMS Macro V04-00
4-SEP-1984 23:22:01 [CLIUTL.SRC]SHOMSGUTL.MAR;1

Page 10
(4)

\$\$TAB	= 000000A0	R	02
\$\$TABEND	= 00000100	R	02
\$\$TMP	= 00000000		
\$\$TMP1	= 00000001		
\$\$TMP2	= 000000CF		
\$\$GBL	= 00000000		
FAB\$C_BID	= 00000003		
FAB\$C_BLN	= 00000050		
FAB\$C_SEQ	= 00000000		
FAB\$C_VAR	= 00000002		
FAB\$C_ALQ	= 00000010		
FAB\$C_FOP	= 00000004		
FAB\$V_CHAN_MODE	= 00000002		
FAB\$V_CR	= 00000001		
FAB\$V_FILE_MODE	= 00000004		
FAB\$V_LNM_MODE	= 00000000		
FAB\$V_PUT	= 00000000		
FAB\$W_GBC	= 00000048		
LIB\$STOP	*****	X	03
MSG_B_CODE	00000008	G	
MSG_B_CONTIN	00000009	G	
MSG_B_PARAM	0000000A	G	
MSG_K_LENGTH	0000000C	G	
MSG_Q_TEXT	00000000	G	
NAM\$B_ESL	= 0000000B		
NAM\$B_ESS	= 0000000A		
NAM\$B_NOP	= 00000008		
NAM\$B_RSL	= 00000003		
NAM\$B_RSS	= 00000002		
NAM\$C_BID	= 00000002		
NAM\$C_BLN	= 00000060		
NAM\$C_MAXRSS	= 000000FF		
NAM\$C_ESA	= 0000000C		
NAM\$C_RSA	= 00000004		
OUTPUT_BUFFER	0000030E	R	02
OUTPUT_DNA	00000000	R	02
OUTPUT_DNA_LEN	= 0000000B		
OUTPUT_FAB	0000000C	R	02
OUTPUT_LENGTH	00000302	R	02
OUTPUT_NAM	000000A0	R	02
OUTPUT_RAB	0000005C	R	02
OUT_BUFF_LENGTH	= 00000100		
OUT_ESA	000001FF	R	02
OUT_RSA	00000100	R	02
RAB\$B_RAC	= 0000001E		
RAB\$C_BID	= 00000001		
RAB\$C_BLN	= 00000044		
RAB\$C_SEQ	= 00000000		
RAB\$C_CTX	= 00000018		
RAB\$C_RBF	= 00000028		
RAB\$C_ROP	= 00000004		
RAB\$W_ISI	= 00000002		
RAB\$W_RSZ	= 00000022		
RMS STATUS	000002FE	R	02
SHOW\$A MSGTXT	*****	X	03
SHOW\$G OUT_DSC	00000306	RG	02
SHOW\$PRINT_MSG	00000000	RG	03

SHOW\$OPENOUT
SHOW\$WRITEERR
SHOW PRINT LINE
SHR\$K SHRDEF
SHR\$OPENOUT
SHR\$WRITEERR
SYSS\$CONNECT
SYSS\$CREATE
SYSS\$FAOL
SYSS\$PUT

= 007810A2		
= 007810D2		
00000054	RG	03
= 00000001		
= 000010A0		
= 000010D0		
*****	GX	03
*****	GX	03
*****	GX	03
*****	GX	03

+-----+
! Psect synopsis !
+-----+

PSECT name	Allocation	PSECT No.	Attributes
ABS	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$AB\$\$	0000000C (12.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
SHOW\$RWDATA	0000040E (1038.)	02 (2.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC LONG
SHOW\$CODE	000000FA (250.)	03 (3.)	NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE

+-----+
! Performance indicators !
+-----+

Phase	Page faults	CPU Time	Elapsed Time
Initialization	10	00:00:00.06	00:00:01.10
Command processing	83	00:00:00.89	00:00:07.17
Pass 1	262	00:00:08.71	00:00:32.97
Symbol table sort	0	00:00:00.94	00:00:03.20
Pass 2	72	00:00:01.62	00:00:05.92
Symbol table output	8	00:00:00.09	00:00:00.49
Psect synopsis output	3	00:00:00.03	00:00:00.09
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	440	00:00:12.35	00:00:50.95

The working set limit was 1200 pages.

44030 bytes (86 pages) of virtual memory were used to buffer the intermediate code.

There were 40 pages of symbol table space allocated to hold 820 non-local and 9 local symbols.

352 source lines were read in Pass 1, producing 21 object records in Pass 2.

32 pages of virtual memory were used to define 25 macros.

+-----+
! Macro library statistics !
+-----+

Macro library name	Macros defined
-\$255\$DUA28:[CLIUTL.OBJ]CLIUTL.MLB;1	0
-\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	0
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2	21
TOTALS (all libraries)	21

1151 GETS were required to define 21 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:SHOMSGUTL/OBJ=OBJ\$:SHOMSGUTL MSRC\$:SHOMSGUTL/UPDATE=(ENH\$:SHOMSGUTL)+EXECML\$/LIB+LIB\$:CLIUTL/LIB

0056 AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
CONFIDENTIAL AND PROPRIETARY

