


```

000000      TTTTTTTTT      SSSSSSSS      CCCCCCCC      VV      VV      TTTTTTTTT      TTTTTTTTT      000000      LL
000000      TTTTTTTTT      SSSSSSSS      CCCCCCCC      VV      VV      TTTTTTTTT      TTTTTTTTT      000000      LL
00      00      TT      SS      CC      VV      VV      TT      TT      00      00      LL
00      00      TT      SS      CC      VV      VV      TT      TT      00      00      LL
00      00      TT      SS      CC      VV      VV      TT      TT      00      00      LL
00      00      TT      SS      CC      VV      VV      TT      TT      00      00      LL
00      00      TT      SS      CC      VV      VV      TT      TT      00      00      LL
00      00      TT      SS      CC      VV      VV      TT      TT      00      00      LL
00      00      TT      SS      CC      VV      VV      TT      TT      00      00      LL
00      00      TT      SS      CC      VV      VV      TT      TT      00      00      LL
00      00      TT      SS      CC      VV      VV      TT      TT      00      00      LL
00      00      TT      SS      CC      VV      VV      TT      TT      00      00      LL
00      00      TT      SS      CC      VV      VV      TT      TT      00      00      LL
00      00      TT      SS      CC      VV      VV      TT      TT      00      00      LL
00      00      TT      SS      CC      VV      VV      TT      TT      00      00      LL
000000      TT      SSSSSSSS      CCCCCCCC      VV      VV      TT      TT      000000      LL
000000      TT      SSSSSSSS      CCCCCCCC      VV      VV      TT      TT      000000      LL

```

```

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
LLLLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLLLL      IIIIII      SSSSSSSS

```

(2)	49	HISTORY
(3)	61	DECLARATIONS
(4)	118	OTSSCVT_TO_L - Convert text (octal) to long
(5)	207	OTSSCVT_TZ_L - Convert text (hex) to long
(6)	284	OTSSCVT_TB_L - Convert text (binary) to long
(7)	357	Local Subroutines

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```

0000 1      .TITLE OTSSCVTTOL      ; Convert text to integer
0000 2      .IDENT /1-004/        ; File: OTSCVTTOL.MAR Edit: SBL1004
0000 3
0000 4
0000 5 :*****
0000 6 :*
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0000 24 :*
0000 25 :*
0000 26 :*****
0000 27
0000 28
0000 29 FACILITY: Language independent support library
0000 30 +-
0000 31 ABSTRACT:
0000 32
0000 33 This module contains routines to convert text representations of
0000 34 integers to longword (or other) values. The text can be in
0000 35 hexadecimal, octal or binary bases.
0000 36
0000 37 --
0000 38
0000 39 VERSION 1
0000 40
0000 41 HISTORY:
0000 42
0000 43 AUTHOR:
0000 44 Steven B. Lionel, 21-Feb-1979: Version 1
0000 45
0000 46 MODIFIED BY:
0000 47

```

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```
0000 49      .SBTTL HISTORY
0000 50
0000 51
0000 52 : Edit History for OTSSCVT_TO_L
0000 53 :
0000 54 : 1-001 - Original. Complete rewrite replacing FORSCNV_IN_0 and
0000 55 : FORSCNV_IN_2. SBL 21-Feb-1979
0000 56 : 1-002 - Add OTSSCVT_TB_L. SBL 6-Nov-1980
0000 57 : 1-003 - Fix undetected overflow bug. SBL 4-Jan-1982
0000 58 : 1-004 - Give error if character greater than 127. SPR 11-52485
0000 59 :
```

```

0000 61          .SBTTL  DECLARATIONS
0000 62
0000 63
0000 64          : INCLUDE FILES: None
0000 65          :
0000 66
0000 67          :
0000 68          : EXTERNAL SYMBOLS:
0000 69          :
0000 70          .DSABL  GBL          ; Prevent undefines from being
0000 71          ; global.
0000 72          .EXTRN  OTSS_INPCONERR ; Input conversion error
0000 73          :
0000 74          :
0000 75          : MACROS: None
0000 76          :
0000 77          :
0000 78          :
0000 79          : PSECT DECLARATIONS:
0000 80          :
0000 81          .PSECT  _OTSSCODE      PIC,SHR,LONG,EXE,NOWRT
0000 82
0000 83          :
0000 84          : EQUATED SYMBOLS:
0000 85          :
0000407C 0000 86          REGMASK = ^M<IV,R2,R3,R4,R5,R6> ; Register save mask
0000 87          :
0000 88          :
0000 89          : OWN STORAGE:
0000 90          :
0000 91          :
0000 92          TABLE:
00 0000 93          .BYTE  0          ; Converts characters to value
01 0001 94          .BYTE  1          :
02 0002 95          .BYTE  2          :
03 0003 96          .BYTE  3          :
04 0004 97          .BYTE  4          :
05 0005 98          .BYTE  5          :
06 0006 99          .BYTE  6          :
07 0007 100         .BYTE  7          :
08 0008 101         .BYTE  8          :
09 0009 102         .BYTE  9          :
FF 000A 103         .BYTE -1          ; invalid character
FF 000B 104         .BYTE -1          ; invalid character
FF 000C 105         .BYTE -1          ; invalid character
FF 000D 106         .BYTE -1          ; invalid character
FF 000E 107         .BYTE -1          ; invalid character
FF 000F 108         .BYTE -1          ; invalid character
FF 0010 109         .BYTE -1          ; invalid character
GA 0011 110         .BYTE 10         :
OB 0012 111         .BYTE 11         :
OC 0013 112         .BYTE 12         :
OD 0014 113         .BYTE 13         :
OE 0015 114         .BYTE 14         :
OF 0016 115         .BYTE 15         :
0017 116

```

```

0017 118      .SBTTL OTSSCVT_TO_L - Convert text (octal) to long
0017 119
0017 120      :++
0017 121      : FUNCTIONAL DESCRIPTION:
0017 122      :
0017 123      : Converts a text representation of a base 8 value to internal
0017 124      : form. The usual result of this routine is one longword, but
0017 125      : values of any length (that is a multiple of 8 bits) may be
0017 126      : produced.
0017 127      :
0017 128      : The valid characters for base 8 conversion are -space- and
0017 129      : "0" through "7". No sign is permitted.
0017 130      :
0017 131      : For compatibility with previous releases, the name
0017 132      : FOR$CNV_IN_0 is equivalent to OTSSCVT_TO_L.
0017 133      :
0017 134      :
0017 135      : CALLING SEQUENCE:
0017 136      :
0017 137      : status.wlc.v = OTSSCVT_TO_L (in_string.rt.ds, value.wx.r
0017 138      :                               [, byte_count.rl.v
0017 139      :                               [, caller_flags.rl.v])
0017 140      :
0017 141      : INPUT PARAMETERS:
0017 142      :
00000004 0017 143      : in_string      = 4      : Input string by descriptor
0000000C 0017 144      : byte_count    = 12     : Optional count of bytes in
0017 145      :                               : value, defaults to 4 if
0017 146      :                               : omitted or zero.
00000010 0017 147      : caller_flags  = 16     : Optional.
00000000 0017 148      : V_BN         = 0      : If set, blanks are ignored;
0017 149      :                               : otherwise blanks are zeroes.
0017 150      :
0017 151      : IMPLICIT INPUTS: None
0017 152      :
0017 153      : OUTPUT PARAMETERS:
00000008 0017 154      :
0017 155      : value        = 8      : Output value by reference.
0017 156      :                               : Length is dependent on
0017 157      :                               : byte_count.
0017 158      :
0017 159      : IMPLICIT OUTPUTS: None
0017 160      :
0017 161      : COMPLETION CODES:
0017 162      :
0017 163      : SSS NORMAL    - Successful completion
0017 164      : OTSS_INPCONERR - Input conversion error. Either an illegal
0017 165      :                               : character or overflow happened.
0017 166      :
0017 167      : SIDE EFFECTS: None
0017 168      :
0017 169      : --
0017 170      :
0017 171      :
0017 172      : FOR$CNV_IN_0:: OTSSCVT_TO_L, REGMASK : For compatibility
407C 0017 173      : .ENTRY OTSSCVT_TO_L, REGMASK
0019 0017 174

```

```

009B 30 0019 175      BSBW  SETUP      ; Get parameters and set up
      30 001C 176      ; registers.
00D1 30 001C 177 10$: BSBW  GET_CHAR  ; Get a character
      38 19 001F 178    BLSS  EXIT_0   ; Exit if done
      2E 13 0021 179    BEQL  20$ -    ; Skip if zero
08   50 91 0023 180    CMPB  R0, #8   ; Invalid character?
      34 18 0026 181    BGEQ  ERROR_0 ; If so, error
03   56 D1 0028 182    CMPL  R6, #3   ; Is there room for this digit?
      1F 18 002B 183    BGEQ  15$    ; Yes
01   56 D1 002D 184    CMPL  R6, #1   ; 0, 1 or 2 bits left?
      2A 19 0030 185    BLSS  ERROR_0 ; 0 or less is error
      0C 14 0032 186    BGTR  12$    ; 2 bits
01   50 91 0034 187    CMPB  R0, #1   ; 1 bit - digit 1?
      23 14 0037 188    BGTR  ERROR_0 ; No, error
63  01 54 50 F0 0039 189    INSV  R0, R4, #1, (R3) ; Insert bit
      11 11 003E 190    BRB   20$    ; Continue
      03 50 91 0040 191 12$: CMPB  R0, #3   ; 2 bits - less than 4?
      17 14 0043 192    BGTR  ERROR_0 ; No, error
63  02 54 50 F0 0045 193    INSV  R0, R4, #2, (R3) ; Insert bits
      05 11 004A 194    BRB   20$    ; Continue
63  03 54 50 F0 004C 195 15$: INSV  R0, R4, #3, (R3) ; Insert bits
      54 03 C0 0051 196 20$: ADDL  #3, R4   ; Increment bit position
      56 C3 C2 0054 197    SUBL  #3, R6   ; Decrement bit counter
      C3 11 0057 198    BRB   10$    ; Loop back for more digits
      0059 199
004C 31 0059 200 EXIT_0: BRW   EXIT
      005C 201
      005C 202
004D 31 005C 203 ERROR_0: BRW  ERROR
      005C 204
      005F 205

```


; Convert text to integer
OTSSCVT_TZ_L - Convert text (hex) to lo

```

005F 207      .SBTTL OTSSCVT_TZ_L      - Convert text (hex) to long
005F 208
005F 209      :++
005F 210      : FUNCTIONAL DESCRIPTION:
005F 211      :
005F 212      : Converts a text representation of a base 16 value to internal
005F 213      : form. The usual result of this routine is one longword, but
005F 214      : values of any length (that is a multiple of 8 bits) may be
005F 215      : produced.
005F 216      :
005F 217      : The valid characters for base 16 conversion are -space-,
005F 218      : '0' through '9' and 'A' through 'F'. No sign is permitted.
005F 219      : Lower case 'a' through 'f' are acceptable.
005F 220      :
005F 221      : For compatibility with previous releases, the name
005F 222      : FOR$CNV_IN_Z is equivalent to OTSSCVT_TZ_L.
005F 223      :
005F 224      :
005F 225      : CALLING SEQUENCE:
005F 226      :
005F 227      : status.wlc.v = OTSSCVT_TZ_L (in_string.rl.ds, value.wx.r
005F 228      :                               [, byte_count.rl.v
005F 229      :                               [, caller_flags.rl.v])
005F 230      :
005F 231      : INPUT PARAMETERS:
005F 232      :
00000004 005F 233      : in_string      = 4      ; Input string by descriptor
0000000C 005F 234      : byte_count     = 12     ; Optional count of bytes in
005F 235      :                               ; value, defaults to 4 if
005F 236      :                               ; omitted or zero.
00000010 005F 237      : caller_flags   = 16     ; Optional.
00000000 005F 238      : v_BN          = 0      ; If set, blanks are ignored;
005F 239      :                               ; otherwise blanks are zeroes.
005F 240      :
005F 241      : IMPLICIT INPUTS: None
005F 242      :
005F 243      : OUTPUT PARAMETERS:
005F 244      :
00000008 005F 245      : value          = 8      ; Output value by reference.
005F 246      :                               ; Length is dependent on
005F 247      :                               ; byte_count.
005F 248      :
005F 249      : IMPLICIT OUTPUTS: None
005F 250      :
005F 251      : COMPLETION CODES:
005F 252      :
005F 253      : SSS NORMAL     - Successful completion
005F 254      : OTSS_INPCONERR - Input conversion error. Either an illegal
005F 255      :                               ; character or overflow happened.
005F 256      :
005F 257      : SIDE EFFECTS: None
005F 258      :
005F 259      : --
005F 260      :
005F 261      :
005F 262      : FOR$CNV_IN_Z:: ; for compatibility
407C 005F 263      : .ENTRY OTSSCVT_TZ_L, REGMASK

```

```
63 04 54 50 F0 006F 272 20$:  ADDL  #4, R4, #4, (R3)
54 04 C0 0074 273 20$:  ADDL  #4, R4
56 04 C2 0077 274 20$:  SUBL  #4, R6
E8 11 007A 275 BRB 10$
007C 276
007C 277 EXIT_Z:
0029 31 007C 278 BRW EXIT
007F 279
002A 31 007F 280 ERROR_Z:
007F 281 BRW ERROR
0082 282
```

BSBW SETUP : Get parameters and set up registers.
10\$: BSBW GET_CHAR : Get a character
BLSS EXIT_Z : Exit if done
BEQL 20\$: Skip if zero
TSTL R6 : Is there room for this digit?
BLEQ ERROR_Z : No, must be multiple of 4!
INSV R0, R4, #4, (R3) : Insert bits
20\$: ADDL #4, R4 : Increment bit position
SUBL #4, R6 : Decrement bit counter
BRB 10\$: Loop back for more digits

; Convert text to integer

OTSSCVT_TB_L - Convert text (binary) to

0082 284 .SBTTL OTSSCVT_TB_L - Convert text (binary) to long

0082 285

0082 286

0082 287

0082 288

0082 289

0082 290

0082 291

0082 292

0082 293

0082 294

0082 295

0082 296

0082 297

0082 298

0082 299

0082 300

0082 301

0082 302

0082 303

0082 304

00000004

0000000C

0082 305

0082 306

0082 307

0082 308

00000010

00000000

0082 309

0082 310

0082 311

0082 312

0082 313

0082 314

0082 315

00000008

0082 316

0082 317

0082 318

0082 319

0082 320

0082 321

0082 322

0082 323

0082 324

0082 325

0082 326

0082 327

0082 328

0082 329

0082 330

0082 331

0082 332

0082 333

407C

0030 30

0066 30

16 19

0E 13

0084 334

0084 335

0087 336

0087 337

008A 338

008C 339

008C 340

++
FUNCTIONAL DESCRIPTION:

Converts a text representation of a base 2 value to internal form. The usual result of this routine is one longword, but values of any length (that is a multiple of 8 bits) may be produced.

The valid characters for base 2 conversion are -space-, '0' and '1'. No sign is permitted.

CALLING SEQUENCE:

status.wlc.v = OTSSCVT_TB_L (in_string.rl.ds, value.wx.r
[, byte_count.rl.v
[, caller_flags.rl.v])

INPUT PARAMETERS:

in_string = 4 ; Input string by descriptor
byte_count = 12 ; Optional count of bytes in
; value, defaults to 4 if
; omitted or zero.
caller_flags = 16 ; Optional.
V_BN = 0 ; If set, blanks are ignored;
; otherwise blanks are zeroes.

IMPLICIT INPUTS: None

OUTPUT PARAMETERS:

value = 8 ; Output value by reference.
; Length is dependent on
; byte_count.

IMPLICIT OUTPUTS: None

COMPLETION CODES:

SS\$ NORMAL - Successful completion
OTSS_INPCONERR - Input conversion error. Either an illegal
character or overflow happened.

SIDE EFFECTS: None

--

.ENTRY OTSSCVT_TB_L, REGMASK

BSBW SETUP ; Get parameters and set up
; registers.
10\$: BSBW GET_CHAR ; Get a character
BLSS EXIT_B ; Exit if done
BEQL 20\$; Skip if zero

```

01 50 D1 008E 341      CMPL  R0, #1      : Illegal character?
    12 14 0091 342      BGTR  ERROR_B    : Yes
    56 D5 0093 343      TSTL  R6         : Is there room for this digit?
    OE 15 0095 344      BLEQ  ERROR_B    : No.
63 01 54 50 F0 0097 345      INSV  R0, R4, #1, (R3) : Insert bit
    54 D6 009C 346 20$: INCL  R4         : Increment bit position
    56 D7 009E 347      DECL  R6         : Decrement bit counter
    E5 11 00A0 348      BRB   10$       : Loop back for more digits
    00A2 349
    00A2 350 EXIT_B:
0003 31 00A2 351      BRW   EXIT
    00A5 352
    00A5 353 ERROR_B:
0004 31 00A5 354      BRW   ERROR
    00A8 355

```

```
.SBTTL Local Subroutines
00A8 357
00A8 358
00A8 359 ;+
00A8 360 ; EXIT - Exit successfully
00A8 361 ;-
00A8 362
50 01 D0 00A8 363 EXIT:
04 00A8 364         MOVL    #1, R0           ; Success status code
00A8 365         RET                    ; Return
00AC 366
00AC 367 ;+
00AC 368 ; ERROR - Exit with error
00AC 369 ;-
00AC 370
50 00000000'8F 0008 30 00AC 371 ERROR:
D0 00AF 372         BSBW    SETUP           ; To re-zero the value
04 00B6 373         MOVL    #OTSS_INPCONERR, R0 ; Error code
00B7 374         RET                    ; Return with failure
00B7 375
00B7 376
```

```

00B7 378 :+
00B7 379 : SETUP - Perform common initialization
00B7 380 :
00B7 381 : 1. Determine if optional parameters are present. Set defaults
00B7 382 : if any.
00B7 383 : 2. Zero the value.
00B7 384 : 3. Set up registers as follows:
00B7 385 : R1 - Count of characters in string.
00B7 386 : R2 - Points to one byte beyond string.
00B7 387 : R3 - Address of value.
00B7 388 : R4 - Set to zero, indicates current value bit offset.
00B7 389 : R5 - Flag register, set to value of caller_flags.
00B7 390 : R6 - Count of bits in value.
00B7 391 : -
00B7 392 :
00B7 393 : SETUP:
56 04 D0 00B7 394 : MOVL #4, R6 : Initial size is 1 longword
03 6C 91 00BA 395 : CMPB (AP), #<byte_count/4> : Is byte count present?
09 19 00BD 396 : BLSS 10$ : No
0C AC D5 00BF 397 : TSTL byte_count(AP) : Is it zero?
04 15 00C2 398 : BLEQ 10$ : Yes (or neg), use default
56 0C AC D0 00C4 399 : MOVL byte_count(AP), R6 : Get byte count
50 08 AC D0 00C8 400 10$: MOVL value(AP), R0 : Get value address
60 56 00 6E 00 2C 00CC 401 : MOVCS #0, (SP), #0, R6, (R0) : Fill with zero
00D2 402 : : R5 gets zero
56 56 03 78 00D2 403 : ASHL #3, R6, R6 : R6 gets bit count
51 04 BC 7D 00D6 404 : MOVQ @in_string(AP), R1 : R1 gets character count
00DA 405 : : R2 gets pointer
51 51 3C 00DA 406 : MOVZWL R1, R1 : Clear all but count
52 51 C0 00DD 407 : ADDL R1, R2 : Position pointer to 1 beyond
00E0 408 : : last character.
53 08 AC D0 00E0 409 : MOVL value(AP), R3 : Value address
04 54 D4 00E4 410 : CLRL R4 : Bit offset
04 6C 91 00E6 411 : CMPB (AP), #<caller_flags/4> : Are caller_flags present?
04 19 00E9 412 : BLSS 20$ : No
55 10 AC D0 00EB 413 : MOVL caller_flags(AP), R5 : Set up caller flags
05 00EF 414 20$: RSB : Return

```

```

00F0 416 :++
00F0 417 : GET_CHAR - Get a character
00F0 418 :
00F0 419 : Looks at the next character in the input string, right to
00F0 420 : left. If V_BN is set and character is a blank, it is ignored
00F0 421 : and another character is read. If V_BN is not set and the
00F0 422 : character is a blank, it is converted to zero.
00F0 423 :
00F0 424 : The character is translated to an actual value from 0 to 15.
00F0 425 : If the character is not 0-9 or A-F, it branches to ERROR.
00F0 426 :
00F0 427 : The value obtained is moved to R0. If no characters remain,
00F0 428 : R0 is set to -1. Upon exit, the condition codes are set such
00F0 429 : that branches depending on the value in R0 can be made.
00F0 430 :--
00F0 431 :
00F0 432 GET_CHAR:
51 D5 00F0 433 TSTL R1 : Any characters left?
33 15 00F2 434 BLEQ EOS : No, exit with -1
50 72 9A 00F4 435 MOVZBL -(R2), R0 : Put character in R0
51 D7 00F7 436 DECL R1 : Decrement count
20 50 91 00F9 437 CMPB R0, #^A/ / : Is it a blank?
07 12 00FC 438 BNEQ 10$ : No if not equal
EE 55 00 E0 00FE 439 BBS #V_BN, R5, GET_CHAR : Ignore if V_BN set
50 D4 0102 440 CLRL R0 : Blanks are zero
05 05 0104 441 RSB : Exit with zero
50 30 C2 0105 442 10$: SUBL #^A/0/, R0 : Subtract '0'
21 19 0108 443 BLSS ERROR_G : Error if neg
16 50 D1 010A 444 CMPL R0, #Z^A/F/-^A/0/> : Greater than 'F'?
0F 15 010D 445 BLEQ 20$ : Ok if not greater
50 20 C2 010F 446 SUBL #<^A/a/-^A/A/>, R0 : Try lower case
17 19 0112 447 BLSS ERROR_G : Error if between 'F' and 'P'
11 50 D1 0114 448 CMPL R0, #Z^A/A/-^A/0/> : In between '0' and 'a'?
12 19 0117 449 BLSS ERROR_G : Yes, error
16 50 D1 0119 450 CMPL R0, #Z^A/F/-^A/0/> : Greater than 'f'?
0D 14 011C 451 BGTR ERROR_G : Yes, error
50 FEDD CF40 90 011E 452 20$: MOVB TABLE[R0], R0 : Get actual value
05 19 0124 453 BLSS ERROR_G : Error if negative
05 05 0126 454 RSB : Exit with condition codes set
0127 455
50 01 CE 0127 456 EOS: MNEGL #1, R0 : End of string
05 05 012A 457 RSB : Exit
012B 458
FF7E 31 012B 460 ERROR_G: BRW ERROR : Illegal character
012E 461
012E 462
012E 463
012E 464 .END

```

OTSSCVTTOL
Symbol table

: Convert text to integer

E 12

16-SEP-1984 00:30:37
6-SEP-1984 11:13:53

VAX/VMS Macro V04-00
[LIBRTL.SRC]OTSCVTTOL.MAR;1

Page 13
(9)

OTS
1-C

```

BYTE COUNT      = 0000000C
CALLER_FLAGS    = 00000010
EOS             00000127 R    01
ERROR          000000AC R    01
ERROR_B        000000A5 R    01
ERROR_G        0000012B R    01
ERROR_O        0000005C R    01
ERROR_Z        0000007F R    01
EXIT           000000A8 R    01
EXIT_B         000000A2 R    01
EXIT_O         00000059 R    01
EXIT_Z         0000007C R    01
FOR$CNV-IN_O   00000017 RG   01
FOR$CNV-IN_Z   0000005F RG   01
GET CHAR       000000F0 R    01
IN STRING      = 00000004
OTSSCVT_TB_L   00000082 RG   01
OTSSCVT_TO_L   00000017 RG   01
OTSSCVT_TZ_L   0000005F RG   01
OTSS INPCONERR ***** X   00
REGMASK        = 0000407C
SETUP          000000B7 R    01
TABLE          00000000 R    01
VALUE          = 00000008
V_BN           = 00000000

```

```

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

```

PSECT name	Allocation	PSECT No.	Attributes														
ABS	00000000 (0.)	00 (0.)	NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE				
_OTSSCODE	0000012E (302.)	01 (1.)	PIC	USR	CON	REL	LCL	SHR	EXE	RD	NOWRT	NOVEC	LONG				

```

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

```

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.03	00:00:03.11
Command processing	117	00:00:00.32	00:00:03.94
Pass 1	83	00:00:00.63	00:00:03.88
Symbol table sort	0	00:00:00.01	00:00:00.01
Pass 2	88	00:00:00.53	00:00:02.23
Symbol table output	3	00:00:00.02	00:00:00.02
Psect synopsis output	2	00:00:00.01	00:00:00.01
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	324	00:00:01.56	00:00:13.20

The working set limit was 1050 pages.
6504 bytes (13 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 25 non-local and 12 local symbols.
464 source lines were read in Pass 1, producing 17 object records in Pass 2.
0 pages of virtual memory were used to define 0 macros.

! Macro library statistics !

Macro library name

Macros defined

_S255SDUA28:[SYSLIB]STARLET.MLB;2

0

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LIS\$:OTSCVTTOL/OBJ=OBJ\$:OTSCVTTOL MSRC\$:OTSCVTTOL/UPDATE=(ENH\$:OTSCVTTOL)

