


```

1 0001 0 MODULE LIB$CUSTOMIZE OUTPUT (%TITLE 'Customize printed output'
2 0002 0 IDENT = '2-002' ! File: LIBCURREN.B32 Edit: DG2002
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1 *****
7 0007 1 *
8 0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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25 0025 1 *
26 0026 1 *
27 0027 1 *****
28 0028 1
29 0029 1
30 0030 1 ++
31 0031 1 FACILITY: General Purpose Library
32 0032 1
33 0033 1 ABSTRACT:
34 0034 1
35 0035 1 This module contains the procedures LIB$CURRENCY, LIB$DIGIT_SEP
36 0036 1 and LIB$RADIX_POINT.
37 0037 1
38 0038 1 ENVIRONMENT: User mode - AST reentrant
39 0039 1
40 0040 1 AUTHOR: John Sauter, CREATION DATE: 18-OCT-1979
41 0041 1
42 0042 1 EDIT HISTORY:
43 0043 1
44 0044 1 1-001 - Original.
45 0045 1 1-002 - Return signals as status. JBS 08-JAN-1980
46 0046 1 1-003 - Change STR$ codes to LIB$. JBS 22-JAN-1980
47 0047 1 1-004 - Enhance to recognize additional classes of string descriptors
48 0048 1 by invoking LIB$ANALYZE_SDESC R3 to extract length and address
49 0049 1 of 1st data byte from descriptor.
50 0050 1 Change calls from STR$COPY_DX to LIB$SCOPY_DXDX6.
51 0051 1 STR$COPY_R to LIB$SCOPY_R_DX.
52 0052 1 STR$FREE_DX to LIB$FREE1_DD.
53 0053 1 Eliminate need for handler and to convert STR$ statuses to
54 0054 1 LIB$ statuses.
55 0055 1 RKR 27-MAY-1981
56 0056 1 1-005 - Add special-case code to process strings that "read" like
57 0057 1 fixed strings. RKR 7-OCT-1981.

```

```
: 58      0058 1 1-006 - Redirect all jsb's from LIB$ANALYZE_SDESC_R3 to  
: 59      0059 1 LIB$ANALYZE_SDESC_R2. Do all copying with LIB$SCOPY_R_DX6.  
: 60      0060 1 RKR 18-NOV-1981.  
: 61      0061 1 1-007 - Use $TRNLOG instead of LIB$SYS_TRNLOG. Other minor improvements.  
: 62      0062 1 SBL 8-Oct-1982  
: 63      0063 1 2-001 - Rewrite using common inner routine. SBL 8-Feb-1983  
: 64      0064 1 2-002 - Use LNM$C_NAMELENGTH for maximum size of equivalence string.  
: 65      0065 1 DG 31-Oct-1983
```

```
67 0066 1 |
68 0067 1 | PROLOGUE FILE:
69 0068 1 |
70 0069 1 |
71 0070 1 REQUIRE 'RTLIN:LIBPROLOG'; LIB$ definitions
72 0141 1 |
73 0142 1 |
74 0143 1 | TABLE OF CONTENTS:
75 0144 1 |
76 0145 1 |
77 0146 1 FORWARD ROUTINE
78 0147 1 LIB$CURRENCY, | Get currency symbol
79 0148 1 LIB$DIGIT_SEP, | Get digit separator
80 0149 1 LIB$RADIX_POINT, | Get radix point
81 0150 1 GET_CUSTOM_SYMBOL; | Inner routine
82 0151 1 |
83 0152 1 |
84 0153 1 | MACROS:
85 0154 1 |
86 0155 1 | NONE
87 0156 1 |
88 0157 1 | EQUATED SYMBOLS:
89 0158 1 |
90 0159 1 | NONE
91 0160 1 |
92 0161 1 | OWN STORAGE:
93 0162 1 |
94 0163 1 | NONE
95 0164 1 |
96 0165 1 | EXTERNAL REFERENCES:
97 0166 1 |
98 0167 1 |
99 0168 1 EXTERNAL ROUTINE
100 0169 1 LIB$ANALYZE_SDESC_R2 : LIB$ANALYZE_SDESC_R2$LINKAGE,
101 0170 1 | Get length and address
102 0171 1 LIB$COPY_R_DX6 : LIB$COPY_R_DX6$LINKAGE; | Copy a string by reference
103 0172 1 |
```

```
105 0173 1 GLOBAL ROUTINE LIB$CURRENCY (%SBTTL 'Get currency symbol'  
106 0174 1     CURRENCY_STR: REF BLOCK [, BYTE],           : Where to put symbol  
107 0175 1     OUT_LEN: REF VECTOR [, WORD]              : Optional length of symbol  
108 0176 1     ) =  
109 0177 1  
110 0178 1 |++  
111 0179 1 | FUNCTIONAL DESCRIPTION:  
112 0180 1 |  
113 0181 1 |     This routine returns the system's currency symbol. It should be  
114 0182 1 |     used before a number to indicate that the number represents  
115 0183 1 |     money in the country the system is running in. This routine  
116 0184 1 |     works by translating the logical name SYSS$CURRENCY. If the  
117 0185 1 |     translation fails, this routine returns '$', the US money  
118 0186 1 |     symbol.  
119 0187 1 |     If the translation succeeds the text produced is returned.  
120 0188 1 |     Thus a system manager can define SYSS$CURRENCY as a system-wide  
121 0189 1 |     logical name to provide a default for all users, and an  
122 0190 1 |     individual user with a special need can define SYSS$CURRENCY as  
123 0191 1 |     a user logical name to override the default.  
124 0192 1 |  
125 0193 1 | CALLING SEQUENCE:  
126 0194 1 |  
127 0195 1 |     ret_status.wlc.v = LIB$CURRENCY (currency_str.wt.dx  
128 0196 1 |     [,out_len.wv.r])  
129 0197 1 |  
130 0198 1 | FORMAL PARAMETERS:  
131 0199 1 |  
132 0200 1 |  
133 0201 1 |     currency_str  String to receive the currency string  
134 0202 1 |     out_len      Optional length of the currency string.  
135 0203 1 |                 This is valuable if currency_str  
136 0204 1 |                 is a fixed-length string, since it does not  
137 0205 1 |                 include the padding.  
138 0206 1 |  
139 0207 1 | IMPLICIT INPUTS:  
140 0208 1 |  
141 0209 1 |     System-wide (or user-defined) logical name SYSS$CURRENCY  
142 0210 1 |  
143 0211 1 | IMPLICIT OUTPUTS:  
144 0212 1 |  
145 0213 1 |     NONE  
146 0214 1 |  
147 0215 1 | CONDITION CODES:  
148 0216 1 |  
149 0217 1 |     LIB$_INVSTRDES Invalid string descriptor  
150 0218 1 |     LIB$_STRTRU   String truncated to fit into output  
151 0219 1 |  
152 0220 1 | SIDE EFFECTS:  
153 0221 1 |  
154 0222 1 |     NONE  
155 0223 1 |  
156 0224 1 | --  
157 0225 1 |  
158 0226 2 | BEGIN  
159 0227 2 |  
160 0228 2 | BUILTIN  
161 0229 2 |     ACTUALCOUNT;
```

```

: 162      0230  2
: 163      0231  2
: 164      0232  2
: 165      0233  2
: 166      0234  2
: 167      0235  3
: 168      0236  3
: 169      0237  3
: 170      0238  3
: 171      0239  2
: 172      0240  2
: 173      0241  1

```

```

!+
Call GET_CUSTOM_SYMBOL to do the work.
-

RETURN ( GET_CUSTOM_SYMBOL (
        CURRENCY_STR [0,0,0,0],
        (IF ACTUALCOUNT ( ) GEQU 2 THEN OUT_LEN [0] ELSE 0),
        UPLIT BYTE (%ASCIC'SYSS$CURRENCY'),
        %C'$'));

END;

```

! End of routine LIB\$CURRENCY

```

: 59 43 4E 45 52 52 55 43 24 53 59 53 0C 0000 P.AAA: .TITLE LIB$CUSTOMIZE_OUTPUT Customize printed output
: .IDENT \2-002\
: .PSECT _LIB$CODE,NOWRT, SHR, PIC,2
: .ASCII <12>\SYSS$CURRENCY\
: .EXTRN LIB$ANALYZE_SDESC_R2
: .EXTRN LIB$SCOPY_R_DX6
: .ENTRY LIB$CURRENCY, Save nothing : 0173
: PUSHL #36 : 0236
: PUSHAB P.AAA : 0238
: CMPB (AP), #2 : 0237
: BLSSU 1$
: PUSHL OUT_LEN
: BRB 2$
: CLRL -(SP)
: PUSHL CURRENCY_STR : 0236
: CALLS #4, GET_CUSTOM_SYMBOL
: RET : 0241

```

```

0000 0000
24 DD 00002
EC AF 9F 00004
02 6C 91 00007
08 05 1F 0000A
AC DD 0000C
02 11 0000F
7E D4 00011 1$:
04 AC DD 00013 2$:
0000V CF 04 FB 00016
04 0001B

```

: Routine Size: 28 bytes, Routine Base: _LIB\$CODE + 000D

```

175 0242 1 GLOBAL ROUTINE LIB$DIGIT_SEP (%SBTTL 'Get digit separator'
176 0243 1     DIGIT_SEP_STR: REF BLOCK [, BYTE],           Where to put symbol
177 0244 1     OUT_LEN: REF VECTOR [, WORD]                ! Optional length of symbol
178 0245 1     ) =
179 0246 1
180 0247 1
181 0248 1 ++
182 0249 1 FUNCTIONAL DESCRIPTION:
183 0250 1     This routine returns the system's digit separator symbol. It
184 0251 1     should be used to separate groups of three digits in the
185 0252 1     integer part of a number, for readability, using the customary
186 0253 1     symbol. This routine works by translating the logical name
187 0254 1     SY$$DIGIT_SEP. If the translation fails, this routine returns
188 0255 1     ".", the OS digit separator. If the translation succeeds the
189 0256 1     text produced is returned. Thus a system manager can define
190 0257 1     SY$$DIGIT_SEP as a system-wide logical name to provide a
191 0258 1     default for all users, and an individual user with a special
192 0259 1     need can define SY$$DIGIT_SEP as a user logical name to
193 0260 1     override the default.
194 0261 1
195 0262 1 CALLING SEQUENCE:
196 0263 1
197 0264 1     ret_status.wlc.v = LIB$DIGIT_SEP (digit_sep_str.wt.dx
198 0265 1     [,out_len.wv.r])
199 0266 1
200 0267 1 FORMAL PARAMETERS:
201 0268 1
202 0269 1     digit_sep_str  String to receive the digit_sep string
203 0270 1     out_len        Optional length of the digit separator string.
204 0271 1                   This is valuable if digit_sep_str is a
205 0272 1                   fixed-length string, since it does not include
206 0273 1                   the padding.
207 0274 1
208 0275 1 IMPLICIT INPUTS:
209 0276 1
210 0277 1     System-wide (or user-defined) logical name SY$$DIGIT_SEP
211 0278 1
212 0279 1 IMPLICIT OUTPUTS:
213 0280 1
214 0281 1     NONE
215 0282 1
216 0283 1 CONDITION CODES:
217 0284 1
218 0285 1     $$$ NORMAL      Normal successful completion
219 0286 1     LIB$ INVSTRDES  Invalid string descriptor
220 0287 1     LIB$ STRTRU    Result did not fit in caller's string;
221 0288 1                   truncated on right
222 0289 1
223 0290 1 SIDE EFFECTS:
224 0291 1
225 0292 1     NONE
226 0293 1
227 0294 1 --
228 0295 1
229 0296 2     BEGIN
230 0297 2
231 0298 2     BUILTIN

```



```

246 0312 1 GLOBAL ROUTINE LIB$RADIX_POINT (%SBTTL 'Get radix point symbol'
247 0313 1     RADIX_POINT_STR: REF BLOCK [, BYTE],      ! Where to put symbol
248 0314 1     OUT_LEN: REF VECTOR [, WORD]           ! Optional length of symbol
249 0315 1     ) =
250 0316 1
251 0317 1     +-
252 0318 1     FUNCTIONAL DESCRIPTION:
253 0319 1
254 0320 1     This routine returns the system's radix point symbol. It
255 0321 1     should be used inside a digit string to divide the integer
256 0322 1     part from the fraction part, using the customary symbol.
257 0323 1     This routine works by translating the logical name
258 0324 1     SY$$RADIX_POINT. If the translation fails, this routine
259 0325 1     returns ".", the US radix point symbol. If the translation
260 0326 1     succeeds the text produced is returned. Thus a system manager
261 0327 1     can define SY$$RADIX_POINT as a system-wide logical name to
262 0328 1     provide a default for all users, and an individual user with a
263 0329 1     special need can define SY$$RADIX_POINT as a user logical name
264 0330 1     to override the default.
265 0331 1
266 0332 1     CALLING SEQUENCE:
267 0333 1
268 0334 1     ret_status.wlc.v = LIB$RADIX_POINT (radix_point_str.wt.dx
269 0335 1     [,out_len.wv.r])
270 0336 1
271 0337 1     FORMAL PARAMETERS:
272 0338 1
273 0339 1     radix_point_str String to receive the radix point string
274 0340 1     out_len         Optional length of the radix_point string.
275 0341 1                 This is valuable if radix_point_str
276 0342 1                 is a fixed-length string, since it does not
277 0343 1                 include the padding.
278 0344 1
279 0345 1     IMPLICIT INPUTS:
280 0346 1
281 0347 1     System-wide (or user-defined) logical name SY$$RADIX_POINT
282 0348 1
283 0349 1     IMPLICIT OUTPUTS:
284 0350 1
285 0351 1     NONE
286 0352 1
287 0353 1     CONDITION CODES:
288 0354 1
289 0355 1     $$$ NORMAL      Normal successful completion
290 0356 1     LIB$ INVSTRDES  Invalid string descriptor
291 0357 1     LIB$ STRTRU    String Truncated
292 0358 1
293 0359 1     SIDE EFFECTS:
294 0360 1
295 0361 1     NONE
296 0362 1
297 0363 1     --
298 0364 1
299 0365 2     BEGIN
300 0366 2
301 0367 2     BUILTIN
302 0368 2     ACTUALCOUNT;

```

LI
Ps

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--

\$A
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```

: 303      0369  2
: 304      0370  2
: 305      0371  2      !+
: 306      0372  2      !- Call GET_CUSTOM_SYMBOL to do the work.
: 307      0373  2
: 308      0374  3
: 309      0375  3      RETURN ( GET_CUSTOM_SYMBOL (
: 310      0376  3          RADIX_POINT_STR-[0,0,0,0],
: 311      0377  3          (IF ACTUALCOUNT () GEQU 2 THEN OUT_LEN [0] ELSE 0),
: 312      0378  2          UPLIT BYTE (%ASCIC'SYSS$RADIX_POINT*),
: 313      0379  2          %C'.');
: 314      0380  1      END;
                                ! End of routine LIB$RADIX_POINT

```

4E 49 4F 50 5F 58 49 44 41 52 24 53 59 53 0F 00053 P.AAC: .ASCII <15>\SYSS\$RADIX_POINT\
54 00052

```

                                0000 00000
                                2E DD 00002
                                E9 AF 9F 00004
                                02 6C 91 00007
                                08 05 1F 0000A
                                02 AC DD 0000C
                                7E D4 00011 1$:
                                04 AC DD 00013 2$:
                                0000V CF 04 FB 00016
                                04 0001B
                                .ENTRY LIB$RADIX_POINT, Save nothing
                                PUSHL #46
                                PUSHAB P.AAC
                                CMPB (AP), #2
                                BLSSU 1$
                                PUSHL OUT_LEN
                                BRB 2$
                                CLRL -(SP)
                                PUSHL RADIX_POINT_STR
                                CALLS #4, GET_CUSTOM_SYMBOL
                                RET
: 0312
: 0375
: 0377
: 0376
:
:
:
: 0375
: 0380

```

; Routine Size: 28 bytes, Routine Base: _LIB\$CODE + 0063

```

316 0381 1 ROUTINE GET_CUSTOM_SYMBOL (%SBTTL 'Inner routine'
317 0382 1     OUT_STR: REF BLOCK [, BYTE],           ! Where to put symbol
318 0383 1     OUT_LEN: REF VECTOR [, WORD],         ! Optional length of symbol
319 0384 1     LOGNAM: REF VECTOR [, BYTE],        ! ASCII logical name
320 0385 1     DEFAULT_CHAR: BYTE                 ! Default translation character
321 0386 1     ) =
322 0387 1
323 0388 1
324 0389 1  +-+
325 0390 1  FUNCTIONAL DESCRIPTION:
326 0391 1      This routine is called by LIB$CURRENCY, LIB$DIGIT_SEP and
327 0392 1      LIB$RADIX_POINT to do the actual translation and string copying.
328 0393 1
329 0394 1  CALLING SEQUENCE:
330 0395 1
331 0396 1      ret_status.wlc.v = GET_CUSTOM_SYMBOL (out_str.wt.dx,
332 0397 1      [out_len.wv.r],
333 0398 1      lognam.rt.r,
334 0399 1      default_char.rbu.v)
335 0400 1
336 0401 1
337 0402 1  FORMAL PARAMETERS:
338 0403 1
339 0404 1      out_str      String to receive the currency string
340 0405 1      out_len     Optional length of the currency string.
341 0406 1              This is valuable if currency_str
342 0407 1              is a fixed-length string, since it does not
343 0408 1              include the padding.
344 0409 1      lognam      The ASCII string containing the logical name to
345 0410 1              translate.
346 0411 1      default_char The default character to use if lognam doesn't translate.
347 0412 1
348 0413 1  IMPLICIT INPUTS:
349 0414 1
350 0415 1      NONE
351 0416 1
352 0417 1  IMPLICIT OUTPUTS:
353 0418 1
354 0419 1      NONE
355 0420 1
356 0421 1  CONDITION CODES:
357 0422 1
358 0423 1      LIB$_INVSTRDES Invalid string descriptor
359 0424 1      LIB$_STRTRU  String truncated to fit into output
360 0425 1
361 0426 1  SIDE EFFECTS:
362 0427 1
363 0428 1      NONE
364 0429 1
365 0430 1  --
366 0431 1
367 0432 2  BEGIN
368 0433 2
369 0434 2  LOCAL
370 0435 2      TRNLOG STATUS,      ! Status from $TRNLOG
371 0436 2      RET STATUS,         ! Return status
372 0437 2      EQUIV_LENGTH: WORD, ! Length of equivalence string

```

```
373 0438 2 LOGDES : BLOCK [8, BYTE], ; String descriptor for logical
374 0439 2 ; name
375 0440 2 NUMDES : BLOCK [8, BYTE], ; String descriptor for
376 0441 2 ; translated string
377 0442 2 EQUIV_STRING: VECTOR [LNMSC_NAMLENGTH, BYTE];! Equivalence string
378 0443 2
379 0444 2 ;+
380 0445 2 ; Initialize descriptors for logical name and translated string
381 0446 2 ;
382 0447 2 LOGDES [DSC$B_CLASS] = DSC$K_CLASS_S;
383 0448 2 LOGDES [DSC$B_DTYPE] = DSC$K_DTYPE_T;
384 0449 2 LOGDES [DSC$W_LENGTH] = .LOGNAM [0];
385 0450 2 LOGDES [DSC$A_POINTER] = LOGNAM [1];
386 0451 2
387 0452 2 NUMDES [DSC$B_CLASS] = DSC$K_CLASS_S;
388 0453 2 NUMDES [DSC$B_DTYPE] = DSC$K_DTYPE_T;
389 0454 2 NUMDES [DSC$W_LENGTH] = LNMSC_NAMLENGTH;
390 0455 2 NUMDES [DSC$A_POINTER] = EQUIV_STRING;
391 0456 2
392 0457 2 ;+
393 0458 2 ; Translate and convert the logical name to determine
394 0459 2 ; the symbol.
395 0460 2 ;
396 P 0461 2 TRNLOG_STATUS = $TRNLOG (
397 P 0462 2 ; LOGNAM = LOGDES,
398 P 0463 2 ; RSLLEN = EQUIV_LENGTH,
399 0464 2 ; RSLBUF = NUMDES);
400 0465 2
401 0466 2 IF (( NOT .TRNLOG_STATUS) OR (.TRNLOG_STATUS EQL SSS_NOTRAN))
402 0467 2 THEN
403 0468 2 BEGIN
404 0469 2 EQUIV_STRING [0] = .DEFAULT_CHAR; ! Use default
405 0470 2 EQUIV_LENGTH = 1;
406 0471 2 END;
407 0472 2
408 0473 2 ;+
409 0474 2 ; EQUIV_STRING is now the string to return to the caller.
410 0475 2 ;
411 0476 2 RET_STATUS = LIB$SCOPY_R_DX6 ( .EQUIV_LENGTH,
412 0477 2 ; EQUIV_STRING,
413 0478 2 ; .OUT_STR);
414 0479 2
415 0480 2 ;+
416 0481 2 ; If caller supplied optional 2nd parameter (OUT_LEN), fill it in.
417 0482 2 ; No need to check status from LIB$ANALYZE_SDESC_R2. If OUT_STR
418 0483 2 ; was bad, call to LIB$SCOPY_R_DX6 will have caught it.
419 0484 2 ;
420 0485 2 IF ( OUT_LEN [0] NEQA 0)
421 0486 2 THEN
422 0487 2 BEGIN
423 0488 2 LOCAL
424 0489 2 WRITTEN_LEN: WORD;
425 0490 2 LIB$ANALYZE_SDESC_R2 (.OUT_STR;
426 0491 2 ; WRITTEN_LEN);
427 0492 2 IF .WRITTEN_LEN LSSU .EQUIV_LENGTH
428 0493 2 THEN
429 0494 2 EQUIV_LENGTH = .WRITTEN_LEN;
```

```
: 430      0495 3      OUT_LEN [0] = .EQUIV_LENGTH;  
: 431      0496 2      END;  
: 432      0497 2  
: 433      0498 2      RETURN (.RET_STATUS);  
: 434      0499 1      END;
```

! End of routine GET_CUSTOM_SYMBOL

.EXTRN SYS\$TRNLOG

```
007C 0000 GET_CUSTOM_SYMBOL:  
      .WORD Save R2,R3,R4,R5,R6      : C381  
      MOVAB -276(SP), SP  
      MOVW #270, LOGDES+2      : 0448  
      MOVZBW @LOGNAM, LOGDES      : 0449  
      ADDL3 #1, LOGNAM, LOGDES+4      : 0450  
      MOVL #17694975, NUMDES      : 0454  
      MOVAB EQUIV_STRING, NUMDES+4      : 0455  
      CLRQ -(SP)      : 0464  
      CLRL -(SP)  
      PUSHAB NUMDES  
      PUSHAB EQUIV_LENGTH  
      PUSHAB LOGDES  
      CALLS #6, SYS$TRNLOG      :  
      BLBC TRNLOG_STATUS, 1$      : 0466  
      CML TRNLOG_STATUS, #15?7  
      BNEQ 2$  
      MOVB DEFAULT_CHAR, EQUIV_STRING      : 0469  
      MOVW #1, EQUIV_LENGTH      : 0470  
      MOVAB EQUIV_STRING, R1      : 0476  
      MOVL OUT_STR, R2  
      MOVZWL EQUIV_LENGTH, R0  
      JSB LIB$COPY_R_DX6  
      MOVL R0, RET_STATUS  
      TSTL OUT_LEN      : 0485  
      BEQL 4$  
      MOVL OUT_STR, R0      : 0490  
      JSB LIB$ANALYZE_SDESC_R2  
      MOVL R1, WRITTEN_LEN  
      CMPW WRITTEN_LEN, EQUIV_LENGTH      : 0492  
      BGEQU 3$  
      MOVW WRITTEN_LEN, EQUIV_LENGTH      : 0494  
      MOVW EQUIV_LENGTH, @OUT_LEN      : 0495  
      MOVL RET_STATUS, R0      : 0498  
      RET      : 0499
```

: Routine Size: 131 bytes, Routine Base: _LIB\$CODE + 007F

```
: 435      0500 1  
: 436      0501 1 END  
: 437      0502 1  
: 438      0503 0 ELUDOM
```

! End of module LIB\$CUSTOMIZE_OUTPUT

PSECT SUMMARY

```
:  
: Name Bytes Attributes  
: _LIB$CODE 258 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)
```

Library Statistics

```
:  
: File Total Symbols Loaded Percent Pages Mapped Processing Time  
: _$255$DUA28:[SYSLIB]STARLET.L32;1 9776 11 0 581 00:00.7  
: _$255$DUA28:[LIBRTL.OBJ]RTLLIB.L32;1 36 2 5 8 00:00.1
```

COMMAND QUALIFIERS

```
:  
: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS$:LIBCUSTOM/OBJ=OBJ$:LIBCUSTOM MSRC$:LIBCUSTOM/UPDATE=(ENH$:LIBCUSTOM  
: )
```

```
: Size: 215 code + 43 data bytes  
: Run Time: 00:05.1  
: Elapsed Time: 00:21.2  
: Lines/CPU Min: 5940  
: Lexemes/CPU-Min: 19877  
: Memory Used: 68 pages  
: Compilation Complete
```


