


```

TTTTTTTTTT  IIIII  TTTTTTTTTT  LL  EEEEEEEEE  SSSSSSSS
TTTTTTTTTT  IIIII  TTTTTTTTTT  LL  EEEEEEEEE  SSSSSSSS
      TT      II      TT      LL  EE          SS
      TT      II      TT      LL  EE          SS
      TT      II      TT      LL  EE          SS
      TT      II      TT      LL  EE          SS
      TT      II      TT      LL  EEEEEEE  SSSSSS
      TT      II      TT      LL  EEEEEEE  SSSSSS
      TT      II      TT      LL  EE          SS
      TT      II      TT      LL  EE          SS
      TT      II      TT      LL  EE          SS
      TT      II      TT      LL  EE          SS
      TT      II      TT      LL  EEEEEEE  SSSSSSSS
      TT      IIIIII  TT      LLLLLLLLLL  EEEEEEEEE  SSSSSSSS
      TT      IIIIII  TT      LLLLLLLLLL  EEEEEEEEE  SSSSSSSS

```

```

LL          IIIII
LL          IIIII
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LLLLLLLLLLL IIIII
LLLLLLLLLLL IIIII
SSSSSSSSS
SSSSSSSSS
SS
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SSSSSS
SSSSSS
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SSSSSSSSS
SSSSSSSSS

```



```
1 0001 0 %TITLE 'Process most directives related to document titles.'
2 0002 0 MODULE TITLES (
3 0003 0 IDENT = 'V04-000'
4 P 0004 0 %BLISS32[
5 P 0005 0 ADDRESSING_MODE(EXTERNAL=LONG_RELATIVE, NONEXTERNAL=LONG_RELATIVE)
6 0006 0 ]
7 0007 0 ) =
8 0008 1 BEGIN
9 0009 1
10 0010 1 *****
11 0011 1 *
12 0012 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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29 0029 1 *
30 0030 1 *
31 0031 1 *****
32 0032 1
33 0033 1 ++
34 0034 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
35 0035 1
36 0036 1 ABSTRACT: Processes the following commands:
37 0037 1 .TITLE .SUBTITLE .NO SUBTITLE
38 0038 1 .AUTOSUBTITLE .NO AUTOSUBTITLE .DATE
39 0039 1 .NO DATE .HEADERS LOWER .HEADERS ON
40 0040 1 .HEADERS UPPER .HEADERS MIXED .NO NUMBER
41 0041 1 .FIRST TITLE .FIRST TITLE ALWAYS .NO HEADERS
42 0042 1 .AUTOTITLE .NO AUTOTITLE
43 0043 1
44 0044 1 Also called by HL to handle header level 1's when .AUTOSUBTITLE
45 0045 1 is in effect.
46 0046 1
47 0047 1
48 0048 1 ENVIRONMENT: Transportable
49 0049 1
50 0050 1 AUTHOR: R.W.Friday CREATION DATE: July, 1978
51 0051 1
```

TITLES
V04-000

Process most directives related to document tit
Revision History

G 14
16-Sep-1984 01:53:01
14-Sep-1984 13:08:18

VAX-11 Bliss-32 V4.0-742
[RUNOFF.SRC]TITLES.BLI;1

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:	53	0052	1	%SBTTL 'Revision History'
:	54	0053	1	
:	55	0054	1	MODIFIED BY:
:	56	0055	1	
:	57	0056	1	013 KFA00013 Ken Alden 22-Mar-1983
:	58	0057	1	MAde adjustments to make SAVE/RESTORE visible to DSR.
:	59	0058	1	
:	60	0059	1	012 KAD00012 Keith Dawson 17-Mar-1983
:	61	0060	1	Fixed module name (was TITLE, now TITLES).
:	62	0061	1	
:	63	0062	1	011 REM00011 Ray Marshall 07-Mar-1983
:	64	0063	1	Global edit of all modules. Updated module names, idents,
:	65	0064	1	copyright dates. Changed require files to BLISS library.
:	66	0065	1	
:	67	0066	1	--

TITLES
V04-000

Process most directives related to document tit
Module Level Declarations

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[RUNOFF.SRC]TITLES.BLI;1

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**F

```
: 69      0067 1 %SBTTL 'Module Level Declarations'
: 70      0068 1
: 71      0069 1 TABLE OF CONTENTS:
: 72      0070 1
: 73      0071 1
: 74      0072 1 INCLUDE FILES:
: 75      0073 1
: 76      0074 1
: 77      0075 1 LIBRARY 'NXPORT:XPORT';          ! XPORT Library
: 78      0076 1 REQUIRE 'REQ:RNODEF';          ! RUNOFF variant definitions
: 79      0207 1
: 80      U 0208 1 %IF DSRPLUS %THEN
: 81      U 0209 1 LIBRARY 'REQ:DPLLIB';          ! DSRPLUS BLISS Library
: 82      0210 1 %ELSE
: 83      0211 1 LIBRARY 'REQ:DSRLIB';          ! DSR BLISS Library
: 84      0212 1 %FI
: 85      0213 1
: 86      0214 1
: 87      0215 1 MACROS:
: 88      0216 1
: 89      0217 1
: 90      0218 1 EQUATED SYMBOLS:
: 91      0219 1
: 92      0220 1
: 93      0221 1 EXTERNAL LITERAL
: 94      0222 1 RINTES : UNSIGNED (8);
: 95      0223 1
: 96      0224 1
: 97      0225 1 OWN STORAGE:
: 98      0226 1
: 99      0227 1 OWN
100      0228 1 PP_SCA : $H_R_SCA_BLOCK;          !Used in PUSH_SCA, POP_SCA macros (defined in SCA.REQ).
101      0229 1
102      0230 1 EXTERNAL REFERENCES:
103      0231 1
104      0232 1
105      0233 1 EXTERNAL
106      0234 1 FLGT : FLAG_TABLE,
107      0235 1 GCA : GCA_DEFINITION,
108      0236 1 HCT : HCT_DEFINITION,
109      0237 1 IRA : FIXED_STRING,
110      0238 1 KHAR,
111      0239 1 MRA : REF FIXED_STRING,
112      0240 1 NUMPRM : NUMPRM_DEFINE,
113      0241 1 PAGEN : PAGE_DEFINITION,
114      0242 1 NPAGEN : PAGE_DEFINITION,
115      0243 1 PHAN : PHAN_DEFINITION,
116      0244 1 SBTMRA : FIXED_STRING,
117      0245 1 SBTTSF : VECTOR,
118      0246 1 SCA : SCA_DEFINITION,
119      0247 1 TTABLE : COUNTED_LIST,
120      0248 1 TITMRA : FIXED_STRING,
121      0249 1 TITTSF : VECTOR,
122      0250 1 TSF : TSF_DEFINITION;
123      0251 1
124      0252 1 EXTERNAL LITERAL          !Error messages
125      0253 1 RNFTTL;
```

TITLES
V04-000

Process most directives related to document tit I 14
Module Level Declarations 16-Sep-1984 01:53:01
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[RUNOFF.SRC]TITLES.BLI;1

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:	126	0254	1	
:	127	0255	1	EXTERNAL ROUTINE
:	128	0256	1	ERMA,
:	129	0257	1	ENDWRD,
:	130	0258	1	RSKIPS,
:	131	0259	1	SCANT;
:	132	0260	1	

TITLES
V04-000

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TITLES --

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[RUNOFF.SRC]TITLES.BLI;1

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```
134 0261 1 %SBTTL 'TITLES --'
135 0262 1 GLOBAL ROUTINE titles (handler_code) : NOVALUE =
136 0263 1
137 0264 1 ++
138 0265 1 FUNCTIONAL DESCRIPTION:
139 0266 1
140 0267 1 See the ABSTRACT, above.
141 0268 1
142 0269 1 FORMAL PARAMETERS:
143 0270 1
144 0271 1 Handler_code usually specifies which command is to be processed.
145 0272 1 However, if its value is -1 then this routine is being called
146 0273 1 by HL to process a header level 1.
147 0274 1
148 0275 1 IMPLICIT INPUTS: None
149 0276 1
150 0277 1 IMPLICIT OUTPUTS: None
151 0278 1
152 0279 1 ROUTINE VALUE:
153 0280 1 COMPLETION CODES: None
154 0281 1
155 0282 1 SIDE EFFECTS: None
156 0283 1
157 0284 1 --
158 0285 1
159 0286 2 BEGIN
160 0287 2
161 0288 2 LOCAL
162 0289 2 FIRST_XTN,
163 0290 2 LAST_XTN,
164 0291 2 HOLD_INDENT,
165 0292 2 HOLD_MRA,
166 0293 2 HOLD_TAB_COUNT,
167 0294 2 HOLD_TSF,
168 0295 2 SCA_HOLD : SCA_DEFINITION;
169 0296 2
170 0297 2 SELECT .HANDLER_CODE OF
171 0298 2 SET
172 0299 2
173 0300 2 [H_AUTOSUBTITLE] :
174 0301 2 BEGIN
175 0302 2 !Ignore command if numeric parameter was bad
176 0303 2 IF NOT .NUM_RESULT THEN
177 0304 2 RETURN;
178 0305 2
179 0306 2 IF .NUM_SIGN THEN
180 0307 2 !User said .AUTOSUBTITLE +n or -n.
181 0308 2 !Adjust last value, whatever it was.
182 0309 2 NUM_VALUE = .GCA_MAX_ASTN + .NUM_VALUE
183 0310 2 ELSE
184 0311 2 IF .NUM_LENGTH EQL 0 THEN
185 0312 2 !User said .AUTOSUBTITLE with no value, so recall last value.
186 0313 2 NUM_VALUE = .GCA_MAX_ASTN;
187 0314 2
188 0315 2 !Now, the effective value has been computed, so just store it.
189 0316 2 GCA_AUTOSUBT = .NUM_VALUE;
190 0317 2 GCA_MAX_ASTN = .NUM_VALUE; !Remember for .NO AUTOSUBTITLE.
```

TITLES
V04-000

Process most directives related to document tit
TITLES --

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[RUNOFF.SRC]TITLES.BLI;1

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```
191 0318 RETURN;
192 0319 END;
193 0320
194 0321 [H_NO_AUTOSUBTIT] :
195 0322 BEGIN
196 0323 GCA AUTOSUBT = FALSE;
197 0324 RETURN;
198 0325 END;
199 0326
200 U 0327 %IF DSRPLUS %THEN
201 U 0328 [H_AUTOTITLE] :
202 U 0329 BEGIN
203 U 0330 !an Autotitle command has been hit.
204 U 0331 SCA AUTOTITLE = TRUE; !Turn on Autotile.
205 U 0332 RETURN;
206 U 0333 END;
207 U 0334
208 U 0335 [H_NO_AUTOTITLE] :
209 U 0336 BEGIN
210 U 0337 !a No Autotitle command has been hit.
211 U 0338 SCA AUTOTITLE = FALSE; !Turn off Autotitle.
212 U 0339 RETURN;
213 U 0340 END;
214 U 0341 %FI
215 0342 [H_DATE] :
216 0343 BEGIN
217 0344 HCT DATE = TRUE;
218 0345 RETURN
219 0346 END;
220 0347
221 0348 [H_NO_DATE] :
222 0349 BEGIN
223 0350 HCT DATE = FALSE;
224 0351 RETURN;
225 0352 END;
226 0353
227 0354 [H_NO_NUMBER] :
228 0355 BEGIN
229 0356 !Page numbering is turned off at the start of the next page, at the latest.
230 0357 HCT_NMPG_NP = FALSE;
231 0358 !At the top of the first page, or in the middle of a page, turn it
232 0359 !off immediately.
233 0360 IF .PHAN_TOP_FIRST
234 0361 OR
235 0362 NOT .PHAN_TOP_PAGE
236 0363 THEN
237 0364 HCT_NUMBER_PAGE = FALSE;
238 0365 RETURN;
239 0366 END;
240 0367
241 0368 [H_FIRST TITLE] :
242 0369 BEGIN
243 0370 PHAN HEADER = TRUE; !Force header for this page.
244 0371 RETURN;
245 0372 END;
246 0373
247 0374 [H_HEADERS_LOWER] :
```



```
248 0375 BEGIN
249 0376 HCT_HD_CASE = HCT_HD_LOWER;
250 0377 !Set up case rules for 'index'
251 0378 NPAGEN [SCT_INDEX_D] = TCONVRT_LET_LOW;
252 0379 IF .PHAN_TOP_FIRST THEN
253 0380 PAGEN [SCT_INDEX_D] = TCONVRT_LET_LOW;
254 0381 RETURN;
255 0382 END;
256 0383
257 0384 [H_HEADERS_ON] :
258 0385 BEGIN
259 0386 HCT_HEADERS = .PHAN_CMD_PAGING; !Turn on headers if not /NOPAGING
260 0387 RETURN;
261 0388 END;
262 0389
263 0390 [H_HEADERS_MIXED] :
264 0391 BEGIN
265 0392 HCT_HD_CASE = HCT_HD_MIXED;
266 0393 !Set case rules for 'index' ==> 'Index'
267 0394 NPAGEN [SCT_INDEX_D] = TCONVRT_LET_MIX;
268 0395 IF .PHAN_TOP_FIRST THEN
269 0396 PAGEN [SCT_INDEX_D] = TCONVRT_LET_MIX;
270 0397 RETURN;
271 0398 END;
272 0399
273 0400 [H_HEADERS_UPPER] :
274 0401 BEGIN
275 0402 HCT_HD_CASE = HCT_HD_UPPER;
276 0403 !Set case rules for 'index' ==> 'INDEX'
277 0404 NPAGEN [SCT_INDEX_D] = TCONVRT_LET_UPP;
278 0405 IF .PHAN_TOP_FIRST THEN
279 0406 PAGEN [SCT_INDEX_D] = TCONVRT_LET_UPP;
280 0407 RETURN;
281 0408 END;
282 0409
283 0410 [H_NO_HEADERS] :
284 0411 BEGIN
285 0412 HCT_HEADERS = FALSE;
286 0413 RETURN;
287 0414 END;
288 0415
289 0416 %IF DSRPLUS %THEN
290 0417 [H_FIRST_TITLE_A] : !First title [always].
291 0418 BEGIN
292 0419 PHAN_HEADER = TRUE; !Force header for this page.
293 0420 HCT_TITLE_ALWAYS = TRUE; !Print title on every page, including chapter pages.
294 0421 RETURN;
295 0422 END;
296 0423 %FI
297 0424
298 0425 [H_TITLE, -1, H_SUBTITLE] :
299 0426 BEGIN
300 0427 !Preliminaries for both .TITLE and .SUBTITLE
301 0428 FIRST_XTN = 0; !Clear transaction numbers
302 0429 LAST_XTN = 0; !....
303 0430
304 0431 !Preserve and reset indentation so SCANT doesn't try to
```

TITLES
V04-000

Process most directives related to document tit
TITLES --

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[RUNOFF.SRC]TITLES.BLI;1

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```
305      0432      3      !indent the title/subtitle.
306      0433      3      HOLD_INDENT = .SCA_INDENT;
307      0434      3      SCA_INDENT = 0;
308      0435      3
309      0436      3      !Remember current buffer status.
310      0437      3      HOLD_TSF = .TSF;
311      0438      3      HOLD_MRA = .MRA;
312      0439      3      END;
313      0440      3
314      0441      3      [H_TITLE] :
315      0442      3      BEGIN
316      0443      3      !Preliminaries for .TITLE
317      0444      3
318      0445      3      !Switch to title buffer and descriptor.
319      0446      3      TSF = TITTSF;
320      0447      3      MRA = TITMRA;
321      0448      3      END;
322      0449      3
323      0450      3      [-1, H_SUBTITLE] :
324      0451      3      BEGIN
325      0452      3      !Preliminaries for .SUBTITLE
326      0453      3
327      0454      3      !Switch to subtitle buffer and descriptor.
328      0455      3      TSF = SBTTSF;
329      0456      3      MRA = SBTMRA;
330      0457      3      HCT_SUBTITLE = TRUE;          !Signal subtitles wanted.
331      0458      3      END;
332      0459      3
333      0460      3      [H_TITLE, -1, H_SUBTITLE] :
334      0461      3      BEGIN
335      0462      3      !Common processing for both commands
336      0463      3
337      0464      3      !Initialize title/subtitle descriptor.
338      0465      3      INCR I FROM 0 TO TSF_SIZE - 1 DO
339      0466      3      TSF [I] = 0;
340      0467      3
341      0468      3      !Initialize title/subtitle buffer
342      0469      3      FS_INIT (MRA);
343      0470      3
344      0471      3      !Copy SCANT tables so we can restore them later.
345      0472      3      PUSH_SCA;      !Save the SCAEd SCA bits.
346      0473      3      INCR I FROM 0 TO SCA_SIZE - 1 DO
347      0474      3      SCA_HOLD [I] = .SCA [I];
348      0475      3
349      0476      3      !Reset those parts of the SCANT tables that are not inherited
350      0477      3      !from the main body of the text.
351      0478      3      SCA_FILL = FALSE;
352      0479      3      SCA_JUSTIFY = FALSE;
353      0480      3      SCA_RM = 150;
354      0481      3      SCA_LM = 0;
355      0482      3      SCA_WRD_INT_L = 0;
356      0483      3      SCA_WRD_EXT_L = 0;
357      0484      3      SCA_SPACING = 1;
358      0485      3      SCA_WRD_ISEQN = 0;
359      0486      3      SCA_WRD_DRAFT = 0;
360      0487      3      SCA_WRD_DRAFT_F = 'XC' ;
361      0488      3      SCA_WRD_BARS = 0;
```

```
!Maximum right margin so SCANT won't start a new lin
!No left margin, so title/subtitle is flush left.
!Internal length is zero for now.
!External length is zero for now.
!Don't let .SPACING stick to this text.
```


TITLES
V04-000

Process most directives related to document tit
TITLES --

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VAX-11 Bliss-32 V4.0-742
[RUNOFF.SRC]TITLES.BLI;1

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```
362 0489 3 SCA_WRD_BAR CHR = 0;
363 0490 SCA_WRD_SEQN F = 0;
364 0491 SCA_WRD_IPAGEN = 0;
365 0492 SCA_WRD_FOOTW = 0;
366 0493 SCA_WRD_F_XTN = 0;
367 0494 SCA_WRD_L_XTN = 0;
368 0495 SCA_WRD_LC_PNCT = 0;
369 0496 SCA_WRD_LST_SP = 0;
370 0497 SCA_WRD_LST_JUS = 0;
371 0498 SCA_WRD_LST_UND = 0;
372 0499 SCA_WRD_CPEND = RINTES;
373 0500 SCA_WRD_PNTR = .FS_START (MRA);
374 0501
375 0502 !Preserve tab count; temporarily set it to zero
376 0503 !so tabs get treated like spaces.
377 0504 HOLD TAB COUNT = .TTABLE [CL_INDEX];
378 0505 TTABLE [CL_INDEX] = 0;
379 0506
380 0507 !Skip all spaces and tabs before the actual text.
381 0508 RSKIPS(IRA);
382 0509
383 0510 !Scan the remainder of this input line.
384 0511 SCANT ();
385 0512
386 0513 !Drop trailing spaces, unless at least one of them
387 0514 !is underlined.
388 0515 !SCA_WRD_CPEND is equal to RINTES if a space/tab
389 0516 !was encountered after the last character on the line.
390 0517 IF SCA_WRD_CPEND EQL RINTES THEN
391 0518 IF SCA_WRD_LST_UND EQL 0 THEN
392 0519 !No pending underline character.
393 0520 BEGIN
394 0521 !When dropping trailing spaces, also set
395 0522 !intra-line pointer and counter back appropriately.
396 0523 FS_LENGTH (MRA) = .FS_LENGTH (MRA) - .SCA_WRD_LST_SP;
397 0524 FS_NEXT (MRA) = CH$PLUS (.FS_NEXT (MRA), -.SCA_WRD_LST_SP);
398 0525 !And now really do drop those trailing spaces.
399 0526 SCA_WRD_LST_SP = 0;
400 0527 END;
401 0528
402 0529 !
403 0530 !Finish last word on line so that TSF contains the entire
404 0531 !title or subtitle.
405 0532 ENDWRD (FALSE, FALSE, FALSE);
406 0533 !No filling, no justifying, no hyphenation.
407 0534
408 0535 !TSF and MRA now contain the complete text description and the
409 0536 !text itself.
410 0537
411 0538 !Pick up transaction numbers to take care of an <INDEX flag>
412 0539 !discovered during processing of a title or subtitle.
413 0540 !If called as a subroutine (.HANDLER_CODE EQL -1)
414 0541 !it's the caller's responsibility.
415 0542 IF .HANDLER_CODE NEQ -1 THEN
416 0543 BEGIN
417 0544 FIRST_XTN = .TSF_FIRST_XTN;
418 0545 LAST_XTN = .TSF_LAST_XTN;
!Remove transaction numbers from title/subtitle
```



```
419      0546      4      TSF_FIRST_XTN = 0;
420      0547      4      TSF_LAST_XTN = 0;
421      0548      4      END;
422      0549      4
423      0550      4      !Check to see that the text retrieved is not too long
424      0551      4      IF .TSF_EXT_HL GTR .GCA_LWIDTH
425      0552      4          AND
426      0553      4          .HANDLER_CODE NEQ -1
427      0554      4      THEN
428      0555      4          BEGIN
429      0556      4              !Title or subtitle is too wide.
430      0557      4              ERMA (RNFTTL, FALSE);
431      0558      4
432      0559      4              !Forget everything that was collected.
433      0560      4              INCR I FROM 0 TO TSF_SIZE - 1 DO
434      0561      4                  TSF [I] = 0;
435      0562      4
436      0563      4              FS_INIT (MRA);
437      0564      4              END;
438      0565      4
439      0566      4      !Restore RUNOFF state prior to .TITLE/.SUBTITLE
440      0567      4      TSF = .HOLD_TSF;
441      0568      4      MRA = .HOLD_MRA;
442      0569      4      SCA_INDENT = .HOLD_INDENT;
443      0570      4
444      0571      4      !If an <INDEX flag> was found, associate the transaction numbers
445      0572      4      !with the primary text buffer.
446      0573      4      IF .TSF_FIRST_XTN EQL 0 THEN
447      0574      4          TSF_FIRST_XTN = .FIRST_XTN;
448      0575      4
449      0576      4      IF .LAST_XTN NEQ 0 THEN
450      0577      4          TSF_LAST_XTN = .LAST_XTN;
451      0578      4
452      0579      4      !When restoring SCA, leave in effect, as side effects, ^^ and \\
453      0580      4      !NOTE: This is support of a RUNOFF crock.
454      0581      4      INCR I FROM SCA_CASE_SIZE TO SCA_SIZE - 1 DO
455      0582      4          SCA [I] = .SCA_HOLD [I];
456      0583      4      POP SCA;      !Restore the SAVED SCA bits.
457      0584      4      !Restore status of tabs.
458      0585      4      TTABLE [CL_INDEX] = .HOLD_TAB_COUNT;
459      0586      4      RETURN;
460      0587      4      END;
461      0588      4
462      0589      4      [H_NO SUBTITLE] :
463      0590      4          BEGIN
464      0591      4              HCT SUBTITLE = FALSE;
465      0592      4              RETURN;
466      0593      4          END;
467      0594      4      TES;
468      0595      4
469      0596      1      END;
```

!End of TITLES

```
.TITLE  TITLES Process most directives related to docum
        ent tit
.IDENT  \V04-000\
```



```
.PSECT $OWNS$,NOEXE,2
00000 PP_SCA: .BLKB 48
.EXTRN RINTES, FLGT, GCA
.EXTRN HCT, IRA, KHAR, MRA
.EXTRN NUMPRM, PAGEN, NPAGEN
.EXTRN PHAN, SBTMRA, SBTTSF
.EXTRN SCA, TTABLE, TITMRA
.EXTRN TITTSF, TSF, RNFTTL
.EXTRN ERMA, ENDWRD, RSKIPS
.EXTRN SCANT
.PSECT $CODE$,NOWRT,2
.ENTRY TITLES, Save R2,R3,R4,R5,R6,R7,R8,R9,R10,- R11, 0262
MOVAB HCT+20, R11
MOVAB PP_SCA, R10
MOVAB SCA+220, R9
MOVAB -384(SP), SP
MOVL HANDLER_CODE, R2
CMPL R2, #4
BNEQ 4$
BLBS NUMPRM, 1$
RET
BLBC NUMPRM+8, 2$
ADDL2 GCA+120, NUMPRM+4
BRB 3$
TSTL NUMPRM+12
BNEQ 3$
MOVL GCA+120, NUMPRM+4
MOVL NUMPRM+4, @GCA+8
MOVL NUMPRM+4, GCA+120
RET
CMPL R2, #117
BNEQ 5$
CLRL @GCA+8
RET
CMPL R2, #17
BNEQ 6$
MOVL #1, @HCT+4
RET
CMPL R2, #122
BNEQ 7$
CLRL @HCT+4
RET
CMPL R2, #149
BNEQ 9$
CLRL @HCT+44
BLBS PHAN+24, 8$
BLBC PHAN, 8$
RET
CLRL @HCT+12
RET
CMPL R2, #68
BNEQ 10$
5B 00000000G EF 9E 00002
5A 00000000' EF 9E 00009
59 00000000G EF 9E 00010
5E FE80 CE 9E 00017
52 04 AC D0 0001C
04 52 D1 00020
46 12 00023
01 00000000G EF E8 00025
04 0002C
0D 00000000G EF E9 0002D 1$:
00000000G EF C0 00034
13 11 0003F
00000000G EF D5 00041 2$:
0B 12 00047
00000000G EF D0 00049
00000000G FF 00000000G EF D0 00054 3$:
00000000G EF 00000000G EF D0 0005F
04 0006A
00000075 8F 52 D1 0006B 4$:
07 12 00072
00000000G FF D4 00074
04 0007A
11 52 D1 0007B 5$:
05 12 0007E
F0 BB 01 D0 00080
04 00084
0000007A 8F 52 D1 00085 6$:
04 12 0008C
F0 BB D4 0008E
04 00091
00000095 8F 52 D1 00092 7$:
16 12 00099
18 BB D4 0009B
08 00000000G EF E8 0009E
01 00000000G EF E9 000A5
04 000AC
F8 BB D4 000AD 8$:
04 000B0
00000044 8F 52 D1 000B1 9$:
08 12 000B8
```


TITLES
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Process most directives related to document tit
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00000000G	EF	04	04	00	01	D0 000BA	MOVL	#1, @PHAN+28	0370
					04	000C1	RET		0369
0000005B	8F				52	D1 000C2	10\$: CMPL	R2, #91	0374
					1D	12 000C9	BNEQ	11\$	
					BB	D4 000CB	CLRL	@HCT+20	0376
00000000G	EF	04	04		03	F0 000CE	INSV	#3, #4, #4, NPAGEN+13	0378
			59	00000000G	EF	E9 000D7	BLBC	PHAN+24, 14\$	0379
00000000G	EF	04	04		03	F0 000DE	INSV	#3, #4, #4, PAGEN+13	0380
					04	000E7	RET		0375
0000005D	8F				52	D1 000E8	11\$: CMPL	R2, #93	0384
					09	12 000EF	BNEQ	12\$	
	F4	BB	00000000G		EF	D0 000F1	MOVL	PHAN+44, @HCT+8	0386
					04	000F9	RET		0385
0000005C	8F				52	D1 000FA	12\$: CMPL	R2, #92	0390
					1E	12 00101	BNEQ	13\$	
	00	BB			02	D0 00103	MOVL	#2, @HCT+20	0392
00000000G	EF	04	04		04	F0 00107	INSV	#4, #4, #4, NPAGEN+13	0394
			20	00000000G	EF	E9 00110	BLBC	PHAN+24, 14\$	0395
00000000G	EF	04	04		04	F0 00117	INSV	#4, #4, #4, PAGEN+13	0396
					04	00120	RET		0391
0000005E	8F				52	D1 00121	13\$: CMPL	R2, #94	0400
					1F	12 00128	BNEQ	16\$	
	00	BB			01	D0 0012A	MOVL	#1, @HCT+20	0402
00000000G	EF	04	04		02	F0 0012E	INSV	#2, #4, #4, NPAGEN+13	0404
			01	00000000G	EF	E8 00137	14\$: BLBS	PHAN+24, 15\$	0405
					04	0013E	RET		
00000000G	EF	04	04		02	F0 0013F	15\$: INSV	#2, #4, #4, PAGEN+13	0406
					04	00148	RET		0401
00000090	8F				52	D1 00149	16\$: CMPL	R2, #144	0410
					04	12 00150	BNEQ	17\$	
		F4	BB		D4	00152	CLRL	@HCT+8	0412
					04	00155	RET		0411
FFFFFFFF	8F				52	D1 00156	17\$: CMPL	R2, #-1	0425
					12	13 0015D	BEQL	18\$	
000000C9	8F				52	D1 0015F	CMPL	R2, #201	
					09	13 00166	BEQL	18\$	
000000CC	8F				52	D1 00168	CMPL	R2, #204	
					15	12 0016F	BNEQ	19\$	
	58				53	7C 00171	18\$: CLRQ	LAST XTN	0429
					69	D0 00173	MOVL	SCA+220, HOLD_INDENT	0433
					69	D4 00176	CLRL	SCA+220	0434
	55	00000000G			EF	D0 00178	MOVL	TSF, HOLD_TSF	0437
	57	00000000G			EF	D0 0017F	MOVL	MRA, HOLD_MRA	0438
000000CC	8F				52	D1 00186	19\$: CMPL	R2, #204	0441
					16	12 0018D	BNEQ	20\$	
00000000G	EF	00000000G			EF	9E 0018F	MOVAB	TITTSF, TSF	0446
00000000G	EF	00000000G			EF	9E 0019A	MOVAB	TITMRA, MRA	0447
FFFFFFFF	8F				52	D1 001A5	20\$: CMPL	R2, #-1	0450
					09	13 001AC	BEQL	21\$	
000000C9	8F				52	D1 001AE	CMPL	R2, #201	
					1A	12 001B5	BNEQ	22\$	
00000000G	EF	00000000G			EF	9E 001B7	21\$: MOVAB	SBTTSF, TSF	0455
00000000G	EF	00000000G			EF	9E 001C2	MOVAB	SBTMRA, MRA	0456
	04	BB			01	D0 001CD	MOVL	#1, @HCT+24	0457
FFFFFFFF	8F				52	D1 001D1	22\$: CMPL	R2, #-1	0460
					15	13 001D8	BEQL	23\$	
000000C9	8F				52	D1 001DA	CMPL	R2, #201	

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000000CC	8F	0C	13	001E1	BEQL	23\$		
		52	D1	001E3	CMPL	R2, #204		
		03	13	001EA	BEQL	23\$		
		01D4	31	001EC	BRW	33\$		
		50	D4	001EF	CLRL	I		0466
F5	50	00000000GFF	40	D4	001F1	23\$: @TSF[I]		
	51	00000000G	27	F3	001F8	24\$: #39, I, 24\$		
		0C	A1	D4	001FC	MOVLEQ		0469
	61	10	A1	9E	00203	CLRL	12(R1)	
04	A1		61	D0	00206	MOVAB	16(R1), (R1)	
	6A	88	B9	D0	0020A	MOVL	(R1), 4(R1)	
04	AA	8C	B9	D0	0020E	MOVL	@SCA+100, PP-SCA	
08	AA	90	B9	D0	00212	MOVL	@SCA+104, PP-SCA+4	
0C	AA	94	B9	D0	00217	MOVL	@SCA+108, PP-SCA+8	
10	AA	98	B9	D0	0021C	MOVL	@SCA+112, PP-SCA+12	
14	AA	9C	B9	D0	00221	MOVL	@SCA+116, PP-SCA+16	
18	AA	A0	B9	D0	00226	MOVL	@SCA+120, PP-SCA+20	
1C	AA	A4	B9	D0	0022B	MOVL	@SCA+124, PP-SCA+24	
20	AA	A8	B9	D0	00230	MOVL	@SCA+128, PP-SCA+28	
24	AA	AC	B9	D0	00235	MOVL	@SCA+132, PP-SCA+32	
28	AA	B0	B9	D0	0023A	MOVL	@SCA+136, PP-SCA+36	
2C	AA	B4	B9	D0	0023F	MOVL	@SCA+140, PP-SCA+40	
					00244	MOVL	@SCA+144, PP-SCA+44	
					50	CLRL	I	0473
	6E40	FF24	C940	D4	00249			0474
F1	50	0000005F	8F	D0	0024B	25\$: MOVLEQ	SCA[I], SCA_HOLD[I]	
		8C	B9	F3	00252	AOBLEQ	#95, I, 25\$	
		88	B9	D4	0025A	CLRL	@SCA+104	0478
		96	B9	D4	0025D	CLRL	@SCA+100	0479
9C	B9	98	B9	9A	00260	MOVZBL	#150, @SCA+120	0480
		20	A9	D4	00265	CLRL	@SCA+116	0481
				7C	00268	CLRQ	SCA+252	0482
A0	B9		01	D0	0026B	MOVLEQ	#1, @SCA+124	0484
		28	A9	7C	0026F	CLRQ	SCA+260	0485
30	A9		20	D0	00272	MOVLEQ	#32, SCA+268	0487
34	A9		01	8A	00276	BICB2	#1, SCA+272	0488
		38	A9	D4	0027A	CLRL	SCA+276	0489
		40	A9	7C	0027D	CLRQ	SCA+284	0490
		48	A9	7C	00280	CLRQ	SCA+292	0492
		50	A9	D4	00283	CLRL	SCA+300	0494
		6C	A9	7C	00286	CLRQ	SCA+328	0495
		74	A9	7C	00289	CLRQ	SCA+336	0497
3C	A9	00G	8F	9A	0028C	MOVZBL	#RINTES, SCA+280	0499
1C	A9		61	D0	00291	MOVLEQ	(R1), SCA+248	0500
	56	00000000G	EF	D0	00295	MOVLEQ	TTABLE+4, HOLD_TAB_COUNT	0504
		00000000G	EF	D4	0029C	CLRL	TTABLE+4	0505
		00000000G	EF	9F	002A2	PUSHAB	IRA	0508
00000000G	EF		01	FB	002A8	CALLS	#1, RSKIPS	
00000000G	EF		00	FB	002AF	CALLS	#0, SCANT	0511
00000000G	8F	3C	A9	D1	002B6	CMPL	SCA+280, #RINTES	0517
			19	12	002BE	BNEQ	26\$	
		78	A9	D5	002C0	TSTL	SCA+340	0518
			14	12	002C3	BNEQ	26\$	
	50	00000000G	EF	D0	002C5	MOVLEQ	MRA, R0	0523
0C	A0	70	A9	C2	002CC	SUBL2	SCA+332, 12(R0)	
04	A0	70	A9	C2	002D1	SUBL2	SCA+332, 4(R0)	0524
		70	A9	D4	002D6	CLRL	SCA+332	0526
			7E	7C	002D9	26\$: CLRQ	-(SP)	0532

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00000000G	EF	7E	D4	002DB	CLRL	-(SP)	:
FFFFFFF	8F	03	FB	002DD	CALLS	#3, ENDWRD	:
		51	D4	002E4	CLRL	R1	0541
		52	D1	002E6	CMPL	R2, #-1	:
		14	13	002ED	BEQL	27\$	:
		51	D6	002FF	INCL	R1	:
50	00000000G	EF	D0	002F1	MOVL	TSF, R0	0543
54	38	A0	D0	002F8	MOVL	56(R0), FIRST_XTN	:
53	3C	A0	D0	002FC	MOVL	60(R0), LAST_XTN	0544
	38	A0	7C	00300	CLRQ	56(R0)	0546
50	00000000G	EF	D0	00303	MOVL	TSF, R0	0551
00000000G	FF	A0	D1	0030A	CMPL	4(R0), @GCA+140	:
	04	31	15	00312	BLEQ	29\$	:
	2E	51	E9	00314	BLBC	R1, 29\$	0553
		7E	D4	00317	CLRL	-(SP)	0557
00000000G	EF	8F	DD	00319	PUSHL	#RNFTTL	:
		02	FB	0031F	CALLS	#2, ERMA	:
		50	D4	00326	CLRL	I	0561
F5		40	D4	00328	CLRL	@TSF[I]	:
50	00000000G	27	F3	0032F	AOBLEQ	#39, I, 28\$	:
50	00000000G	EF	D0	00333	MOVL	MRA, R0	0563
	0C	A0	D4	0033A	CLRL	12(R0)	:
	10	A0	9E	0033D	MOVAB	16(R0), (R0)	:
04		60	D0	00341	MOVL	(R0), 4(R0)	:
00000000G	EF	55	D0	00345	MOVL	HOLD_TSF, TSF	0567
00000000G	EF	57	D0	0034C	MOVL	HOLD_MRA, MRA	0568
	69	58	D0	00353	MOVL	HOLD_INDENT, SCA+220	0569
50	00000000G	EF	D0	00356	MOVL	TSF, R0	0573
	38	A0	D5	0035D	TSTL	56(R0)	:
		04	12	00360	BNEQ	30\$	:
38	A0	54	D0	00362	MOVL	FIRST_XTN, 56(R0)	0574
		53	D5	00366	TSTL	LAST_XTN	0576
		04	13	00368	BEQL	31\$	:
3C	A0	53	D0	0036A	MOVL	LAST_XTN, 60(R0)	0577
50		19	D0	0036E	MOVL	#25, I	0581
FF24	C940	6E40	D0	00371	MOVL	SCA_HOLD[I], SCA[I]	0582
F1		8F	F3	00378	AOBLEQ	#95, I, 32\$	:
88	B9	6A	D0	00380	MOVL	PP_SCA, @SCA+100	:
8C	B9	04	AA	D0	MOVL	PP_SCA+4, @SCA+104	:
90	B9	08	AA	D0	MOVL	PP_SCA+8, @SCA+108	:
94	B9	0C	AA	D0	MOVL	PP_SCA+12, @SCA+112	:
98	B9	10	AA	D0	MOVL	PP_SCA+16, @SCA+116	:
9C	B9	14	AA	D0	MOVL	PP_SCA+20, @SCA+120	:
A0	B9	18	AA	D0	MOVL	PP_SCA+24, @SCA+124	:
A4	B9	1C	AA	D0	MOVL	PP_SCA+28, @SCA+128	:
A8	B9	20	AA	D0	MOVL	PP_SCA+32, @SCA+132	:
AC	B9	24	AA	D0	MOVL	PP_SCA+36, @SCA+136	:
B0	B9	28	AA	D0	MOVL	PP_SCA+40, @SCA+140	:
B4	B9	2C	AA	D0	MOVL	PP_SCA+44, @SCA+144	:
00000000G	EF	56	D0	0038B	MOVL	HOLD_TAB_COUNT, TTABLE+4	0585
		04	04	003C2	RET		0461
0000009A	8F	52	D1	003C3	CMPL	R2, #154	0589
		03	12	003CA	BNEQ	34\$	:
		04	BB	D4	CLRL	@HCT+24	0591
		04	04	003CF	RET		0596

; Routine Size: 976 bytes, Routine Base: \$CODE\$ + 0000

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```
!End of module
```

PSECT SUMMARY									
Name	Bytes	Attributes							
\$OWNS\$	48	NOVEC,	WRT,	RD	,NOEXE,	NOSHR,	LCL,	REL,	CON,NOPICT,ALIGN(2)
\$CODES\$	976	NOVEC,	NOWRT,	RD	, EXE,	NOSHR,	LCL,	REL,	CON,NOPICT,ALIGN(2)

Library Statistics					
File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
-\$255\$DUA28:[SYSLIB]XPORT.L32;1	590	0	0	252	00:00.1
-\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32;1	1248	116	9	86	00:00.3

```

;                                COMMAND QUALIFIERS
;    BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:TITLES/OBJ=OBJ$:TITLES MSRC$:TITLES/UPDATE=(ENH$:TITLES)

```

```
; Size:          976 code + 48 data bytes
; Run Time:      00:20.4
; Elapsed Time:  00:45.9
; Lines/CPU Min: 1763
; Lexemes/CPU-Min: 17870
; Memory Used:   205 pages
; Compilation Complete
```

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V04

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