

Syn

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RRRRRRRRRRRR	UUU	UUU	NNN	NNN	00000000	FFFFFFFFFFFFFF	FFFFFFFFFFFFFF
RRRRRRRRRRRR	UUU	UUU	NNN	NNN	00000000	FFFFFFFFFFFFFF	FFFFFFFFFFFFFF
RRRRRRRRRRRR	UUU	UUU	NNN	NNN	00000000	FFFFFFFFFFFFFF	FFFFFFFFFFFFFF
RRR	RRR	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	NNNNNN	NNN	000	FFF	FFF
RRR	RRR	UUU	NNNNNN	NNN	000	FFF	FFF
RRR	RRR	UUU	NNNNNN	NNN	000	FFF	FFF
RRRRRRRRRRRR	UUU	UUU	NNN	NNN	000	FFFFFFFFFFFFFF	FFFFFFFFFFFFFF
RRRRRRRRRRRR	UUU	UUU	NNN	NNN	000	FFFFFFFFFFFFFF	FFFFFFFFFFFFFF
RRRRRRRRRRRR	UUU	UUU	NNN	NNN	000	FFFFFFFFFFFFFF	FFFFFFFFFFFFFF
RRR	RRR	UUU	NNN	NNNNNN	000	FFF	FFF
RRR	RRR	UUU	NNN	NNNNNN	000	FFF	FFF
RRR	RRR	UUU	NNN	NNNNNN	000	FFF	FFF
RRR	RRR	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUU	NNN	NNN	00000000	FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUU	NNN	NNN	00000000	FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUU	NNN	NNN	00000000	FFF	FFF

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PPPPPPPP      AAAAAA      RRRRRRRR      AAAAAA      GGGGGGGG
PPPPPPPP      AAAAAA      RRRRRRRR      AAAAAA      GGGGGGGG
PP      PP    AA      AA    RR      RR    AA      AA    GG
PP      PP    AA      AA    RR      RR    AA      AA    GG
PP      PP    AA      AA    RR      RR    AA      AA    GG
PP      PP    AA      AA    RR      RR    AA      AA    GG
PPPPPPPP      AA      AA    RRRRRRRR      AA      AA    GG
PPPPPPPP      AA      AA    RRRRRRRR      AA      AA    GG
PP      AAAAAAAAAA      RR  RR    AAAAAAAAAA      GG  GGGGCG
PP      AAAAAAAAAA      RR  RR    AAAAAAAAAA      GG  GGGGGG
PP      AA      AA    RR      RR    AA      AA    GG      GG
PP      AA      AA    RR      RR    AA      AA    GG      GG
PP      AA      AA    RR      RR    AA      AA    GGGGGG
PP      AA      AA    RR      RR    AA      AA    GGGGGG

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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

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P 0001 0 MODULE parag ( IDENT = 'V04-000'
0002 0 %BLISS32[, ADDRESSING_MODE (EXTERNAL = long_relative,
0003 0 NONEXTERNAL = long_relative)]
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1 **
0031 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
0032 1
0033 1 ABSTRACT:
0034 1
0035 1 Processes .PARAGRAPH, .SET PARAGRAPH, .(NO)AUTOPARAGRAPH,
0036 1 and .(NO)AUTOTABLE commands.
0037 1
0038 1 ENVIRONMENT: Transportable
0039 1
0040 1 AUTHOR: R.W.Friday CREATION DATE: June, 1978
0041 1

```

Revision History

:	43	0042	1	%SBTTL 'Revision History'
:	44	0043	1	
:	45	0044	1	MODIFIED BY:
:	46	0045	1	
:	47	0046	1	004 KAD00004 Keith Dawson 07-Mar-1983
:	48	0047	1	Global edit of all modules. Updated module names, idents,
:	49	0048	1	copyright dates. Changed require files to BLISS library.
:	50	0049	1	
:	51	0050	1	--

Module Level Declarations

```
.. 53 0051 1 %SBTTL 'Module Level Declarations'  
.. 54 0052 1  
.. 55 0053 1 : TABLE OF CONTENTS:  
.. 56 0054 1  
.. 57 0055 1 : INCLUDE FILES:  
.. 58 0056 1  
.. 59 0057 1  
.. 60 0058 1 LIBRARY 'NXPORT:XPORT'; : XPORT Library  
.. 61 0059 1 REQUIRE 'REQ:RNODEF'; : RUNOFF variant definitions  
.. 62 0190 1  
.. 63 U 0191 1 %IF DSRPLUS %THEN  
.. 64 U 0192 1 LIBRARY 'REQ:DPLLIB'; : DSRPLUS BLISS Library  
.. 65 0193 1 %ELSE  
.. 66 0194 1 LIBRARY 'REQ:DSRLIB'; : DSR BLISS Library  
.. 67 0195 1 %FI  
.. 68 0196 1  
.. 69 0197 1  
.. 70 0198 1 : EXTERNAL REFERENCES:  
.. 71 0199 1  
.. 72 0200 1 EXTERNAL  
.. 73 0201 1 gca : gca_definition,  
.. 74 0202 1 ira : fixed_string,  
.. 75 0203 1 nmlst : number_list,  
.. 76 0204 1 pdt : ref pdt_definition,  
.. 77 0205 1 sca : sca_definition;  
.. 78 0206 1  
.. 79 0207 1 EXTERNAL LITERAL  
.. 80 0208 1 rnfim; : Error messages  
.. 81 0209 1  
.. 82 0210 1 EXTERNAL ROUTINE  
.. 83 0211 1 erma,  
.. 84 0212 1 gcpos,  
.. 85 0213 1 gcskip,  
.. 86 0214 1 glnm,  
.. 87 0215 1 gtpc,  
.. 88 0216 1 outnj,  
.. 89 0217 1 rskips;
```

```

Routine PARAG
91 0218 1 %SBTTL 'Routine PARAG'
92 0219 1 GLOBAL ROUTINE parag (handler_code) : NOVALUE =
93 0220 1
94 0221 1 |++
95 0222 1 | FUNCTIONAL DESCRIPTION:
96 0223 1 |
97 0224 1 |     See the ABSTRACT, above.
98 0225 1 |
99 0226 1 | FORMAL PARAMETERS:
100 0227 1 |
101 0228 1 |     handler_code - indicates the command to be processed.
102 0229 1 |     -1           - means set a pending paragraph.
103 0230 1 |
104 0231 1 | IMPLICIT INPUTS:      None
105 0232 1 |
106 0233 1 | IMPLICIT OUTPUTS:    None
107 0234 1 |
108 0235 1 | ROUTINE VALUE:
109 0236 1 | COMPLETION CODES:    None
110 0237 1 |
111 0238 1 | SIDE EFFECTS:        None
112 0239 1 | --
113 0240 1 |
114 0241 2 | BEGIN
115 0242 2 |
116 0243 2 | SELECTONE .handler_code OF
117 0244 2 | SET
118 0245 2 |
119 0246 2 |     An autoparagraph was detected by pus.
120 0247 2 |
121 0248 2 | [-1] :
122 0249 2 |     BEGIN
123 0250 2 |     outnj ();
124 0251 2 |
125 0252 2 |     Skip all spaces and tabs to get to text on line.
126 0253 2 |     This duplicates handling done by old RUNOFFs.
127 0254 2 |
128 0255 2 |     rskips (ira);
129 0256 2 |
130 0257 2 |     Always do the indentation.
131 0258 2 |
132 0259 2 |     sca_indent = .pdt_indent;
133 0260 2 |
134 0261 2 |     Pend the skipping only if this section is not empty.
135 0262 2 |
136 0263 2 |     sca_para_pnd = NOT .sca_sect_empty;
137 0264 2 |     END;
138 0265 2 |
139 0266 2 | [h_autoparagraph] :
140 0267 2 |     BEGIN
141 0268 2 |     gca_autopara = true;
142 0269 2 |
143 0270 2 |     Disable .AUTOTABLE.
144 0271 2 |
145 0272 2 |     gca_autotabl = false;
146 0273 2 |     END;
147 0274 2 |

```

```

: 148 0275 2 [h_no_autotable, h_no_autoparagr] :
: 149 0276 BEGIN
: 150 0277
: 151 0278
: 152 0279
: 153 0280
: 154 0281
: 155 0282
: 156 0283
: 157 0284 [h_autotable] :
: 158 0285 BEGIN
: 159 0286
: 160 0287
: 161 0288
: 162 0289
: 163 0290
: 164 0291
: 165 0292
: 166 0293 [h_paragraph, h_set_paragraph] :
: 167 0294 BEGIN
: 168 0295
: 169 0296
: 170 0297
: 171 0298
: 172 0299
: 173 0300
: 174 0301
: 175 0302
: 176 0303
: 177 0304
: 178 0305
: 179 0306
: 180 0307
: 181 0308
: 182 0309
: 183 0310
: 184 0311
: 185 0312
: 186 0313
: 187 0314
: 188 0315
: 189 0316
: 190 0317
: 191 0318
: 192 0319
: 193 0320
: 194 0321
: 195 0322
: 196 0323
: 197 0324
: 198 0325
: 199 0326
: 200 0327
: 201 0328
: 202 0329
: 203 0330
: 204 0331

```

```

: 205 0332 4      IF .nmlst_count EQL 3
: 206 0333 4      THEN
: 207 0334 4
: 208 0335 4      IF .nmlst_descr (3) NEQ nm_null
: 209 0336 4      THEN
: 210 0337 4
: 211 0338 4      IF .nmlst_descr (3) EQL nm_unsigned
: 212 0339 4      THEN
: 213 0340 4      :
: 214 0341 4      :   If 3rd argument is unsigned, that is
: 215 0342 4      :   the test page value.
: 216 0343 4      :
: 217 0344 4      :   pdt_tp = .nmlst_value (3)
: 218 0345 4      ELSE
: 219 0346 4      :
: 220 0347 4      :   Validate 3rd argument if it is signed.
: 221 0348 4      :
: 222 0349 4      :   BEGIN
: 223 0350 5
: 224 0351 5      :   LOCAL
: 225 0352 5      :   temp;
: 226 0353 5      :
: 227 0354 5      :   Try out adjustment to current test page value.
: 228 0355 5      :
: 229 0356 5      :   temp = .pdt_tp + .nmlst_value (3);
: 230 0357 5
: 231 0358 5      :   IF .temp GEQ 0
: 232 0359 5      :   THEN
: 233 0360 5      :
: 234 0361 5      :   :   Save valid adjusted test page setting.
: 235 0362 5      :
: 236 0363 5      :   pdt_tp = .temp
: 237 0364 5      :   ELSE
: 238 0365 5      :
: 239 0366 5      :   :   Invalid test page specification.
: 240 0367 5      :
: 241 0368 5      :   erma (rnfinm, false);
: 242 0369 5
: 243 0370 4      :   END;
: 244 0371 4
: 245 0372 3      END;          ! End of parameter processing
: 246 0373 3
: 247 0374 3      IF .handler_code EQL h_set_paragraph
: 248 0375 3      THEN
: 249 0376 3      RETURN;
: 250 0377 3
: 251 0378 3      :
: 252 0379 3      :   Force out the vertical motion so that change bars don't get
: 253 0380 3      :   carried back too far.
: 254 0381 3
: 255 0382 3      outnj ();
: 256 0383 3      sca_indent = .pdt_indent;
: 257 0384 3
: 258 0385 3      :   Pend the skipping only if this section is not empty.
: 259 0386 3
: 260 0387 3      sca_para_pnd = NOT .sca_sect_empty;
: 261 0388 3

```



```

: 262      0389 2      END:
: 263      0390 2
: 264      0391 2      TES:
: 265      0392 2
: 266      0393 1      END:

```

' End of PARAG

```

.TITLE PARAG
.IDENT \V04-000\

.EXTRN GCA, IRA, NMLST
.EXTRN PDT, SCA, RNFIM
.EXTRN ERMA, GCPOS, GCSKIP
.EXTRN GLNM, GTPC, OUTNJ
.EXTRN RSKIPS

.PSECT $CODE$,NOWRT,2

```

```

                                00FC 00000
57 00000000G EF 9E 00002
56 00000000G EF 9E 00009
55 00000000G EF 9E 00010
54 00000000G EF 9E 00017
53 00000000G EF 9E 0001E
52          04 AC D0 00025
      FFFFFFFF 8F 52 D1 00029
                                13 12 00030
67          00 FB 00032
      00000000G EF 9F 00035
      00000000G EF 01 FB 0003B
                                00C5 31 00042
03          52 D1 00045 1$:
      00 B4 01 D0 0004A
                                15 11 0004E
00000074 8F 52 D1 00050 2$:
      00000076 8F 09 13 00057
                                52 D1 00059
      00 B4 D4 00062 3$:
      08 B4 D4 00065 4$:
                                04 00068
05          52 D1 00069 5$:
      08 12 0006C
      08 B4 01 D0 0006E
      00 B4 D4 00072
                                04 00075
000000AA 8F 52 D1 00076 6$:
      0A 13 0007D
000000B9 8F 52 D1 0007F
      01 13 00086
      04 00088
      03 DD 00089 7$:
00000000G EF 01 FB 0008B
      51 F4 A3 D0 00092
      50 D4 00096
      08 11 00098

```

```

.ENTRY PARAG, Save R2,R3,R4,R5,R6,R7
MOVAB OUTNJ, R7
MOVAB SCA+220, R6
MOVAB PDT, R5
MOVAB GCA+4, R4
MOVAB NMLST+12, R3
MOVL HANDLER_CODE, R2
      0219
CMPL R2, #-1
      0243
BNEQ 1$
      0248
CALLS #0, OUTNJ
      0250
PUSHAB IRA
      0255
CALLS #1, RSKIPS
BRW 15$
      0259
CMPL R2, #3
      0266
BNEQ 2$
MOVL #1, @GCA+4
      0268
BRB 4$
      0272
CMPL R2, #116
      0275
BEQL 3$
CMPL R2, #118
BNEG 5$
CLRL @GCA+4
      0280
CLRL @GCA+12
      0281
RET
      0243
CMPL R2, #5
      0284
BNEQ 6$
MOVL #1, @GCA+12
      0286
CLRL @GCA+4
      0290
RET
      0243
CMPL R2, #170
      0293
BEQL 7$
CMPL R2, #185
BEQL 7$
RET
PUSHL #3
      0298
CALLS #1, GLNM
MOVL NMLST, R1
      0300
CLRL I
BRB 9$

```

	04	0094	C340	D1	0009A	8\$:	CMPL	NMLST+160[I], #4	: 0302
				71	13	000A0	BEQL	16\$:
F4	50			51	F3	000A2	9\$:	AOBLEQ	R1, I, 8\$
				51	D5	000A6	TSTL	R1	: 0309
				54	15	000A8	BLEQ	14\$:
		0098		C3	D5	000AA	TSTL	NMLST+164	: 0319
				05	13	000AE	BEQL	10\$:
00	B5	F8		A3	D0	000B0	MOVL	NMLST+4, @PDT	: 0321
	01			51	D1	000B5	10\$:	CMPL	R1, #1
				0E	15	000B8	BLEQ	11\$: 0323
		009C		C3	D5	000BA	TSTL	NMLST+168	: 0326
				08	13	000BE	BEQL	11\$:
	50			65	D0	000C0	MOVL	PDT, R0	: 0327
04	A0	FC		A3	D0	000C3	MOVL	NMLST+8, 4(R0)	: 0328
	03			51	D1	000C8	11\$:	CMPL	R1, #3
				31	12	000CB	BNEQ	14\$: 0332
	51	00A0		C3	D0	000CD	MOVL	NMLST+172, R1	: 0335
				2A	13	000D2	BEQL	14\$:
	50			65	D0	000D4	MOVL	PDT, R0	: 0339
	01			51	D1	000D7	CMPL	R1, #1	: 0338
				06	12	000DA	BNEQ	12\$:
08	A0			63	D0	000DC	MOVL	NMLST+12, 8(R0)	: 0344
				1C	11	000E0	BRB	14\$:
51	08	A0		63	C1	000E2	12\$:	ADDL3	NMLST+12, 8(R0), TEMP
				06	19	000E7	BLSS	13\$: 0356
	08	A0		51	D0	000E9	MOVL	TEMP, 8(R0)	: 0358
				0F	11	000ED	BRB	14\$: 0363
				7E	D4	000EF	13\$:	CLRL	-(SP)
		00000000G	00000000G	8F	DD	000F1	PUSHL	#RNFIM	: 0368
				02	FB	000F7	CALLS	#2, ERMA	:
00000000G	EF			52	D1	000FE	14\$:	CMPL	R2, #185
0000000B9	8F			0C	13	00105	BEQL	16\$: 0374
	67			00	FB	00107	CALLS	#0, OUTNJ	: 0382
	66	00		B5	D0	0010A	15\$:	MOVL	@PDT, SCA+220
04	A6	D8	A6	D2	0010E	16\$:	MCOML	SCA+180, SCA+224	: 0383
				04	00113		RET		: 0387
									: 0393

: Routine Size: 276 bytes, Routine Base: \$CODE\$ + 0000

: 267 0394 1
: 268 0395 1 END
: 269 0396 0 ELUDOM

! End of module

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	276	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]XPORT.L32;1	590	0	0	252	00:00.1
_\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32;1	1248	33	2	86	00:00.3

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS:PARAG/OBJ=OBJ\$:PARAG MSRC\$:PARAG/UPDATE=(ENH\$:PARAG)

: Size: 276 code + 0 data bytes
: Run Time: 00:06.7
: Elapsed Time: 00:20.7
: Lines/CPU Min: 3535
: Lexemes/CPU-Min: 18982
: Memory Used: 76 pages
: Compilation Complete

