


```

1 0001 0 %TITLE 'Set time to user-specified time'
2 0002 0 MODULE SETTIM (
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: Sets the time to a user-specified time.
37 0037 1
38 0038 1
39 0039 1 ENVIRONMENT: Transportable
40 0040 1
41 0041 1 AUTHOR: R.W.Friday      CREATION DATE: April, 1979
42 0042 1

```

SETTIM
V04-000

Set time to user-specified time
Revision History

C 5
16-Sep-1984 01:47:05
14-Sep-1984 13:08:09

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

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SKI
V04

```
: 44      0043 1 %SBTTL 'Revision History'  
: 45      0044 1  
: 46      0045 1   MODIFIED BY:  
: 47      0046 1  
: 48      0047 1       002      REM00002      Ray Marshall      07-Mar-1983  
: 49      0048 1       Global edit of all modules. Updated module names, idents,  
: 50      0049 1       copyright dates. Changed require files to BLISS library.  
: 51      0050 1  
: 52      0051 1  --
```

: R

: .

```

54 0052 1 %SBTTL 'Module Level Declarations'
55 0053 1
56 0054 1 TABLE OF CONTENTS:
57 0055 1
58 0056 1
59 0057 1 INCLUDE FILES:
60 0058 1
61 0059 1
62 0060 1 LIBRARY 'NXPORT:XPORT'; ! XPORT Library
63 0061 1 REQUIRE 'REQ:RNODEF'; ! RUNOFF variant definitions
64 0192 1
65 U 0193 1 %IF DSRPLUS %THEN
66 U 0194 1 LIBRARY 'REQ:DPLLIB'; ! DSRPLUS BLISS Library
67 0195 1 %ELSE
68 0196 1 LIBRARY 'REQ:DSRLIB'; ! DSR BLISS Library
69 0197 1 %FI
70 0198 1
71 0199 1
72 0200 1 MACROS:
73 0201 1
74 0202 1 MACRO
75 M 0203 1 DOPARM (P,MAX) =
76 M 0204 1 !Process this parameter only if it was specified.
77 M 0205 1 IF
78 M 0206 1 .NMLST_DESCR (P) NEQ NM_NULL
79 M 0207 1 THEN
80 M 0208 1 BEGIN
81 M 0209 1 IF !
82 M 0210 1 .NMLST_DESCR (P) EQL NM_PLUS
83 M 0211 1 OR .NMLST_DESCR (P) EQL NM_MINUS
84 M 0212 1 THEN
85 M 0213 1 TEMP_DATIM [2+P] = .TEMP_DATIM [2+P] + .NMLST_VALUE (P)
86 M 0214 1 ELSE
87 M 0215 1 TEMP_DATIM [2+P] = .NMLST_VALUE (P);
88 M 0216 1
89 M 0217 1 !Check for negative or GTR MAX value
90 M 0218 1 IF !
91 M 0219 1 .TEMP_DATIM [2+P] LSS 0 !
92 M 0220 1 OR .TEMP_DATIM [2+P] GTR MAX !
93 M 0221 1 THEN
94 M 0222 1 !Illegal number value.
95 M 0223 1 BEGIN
96 M 0224 1 ERMA (RNFINM, FALSE);
97 M 0225 1 RETURN;
98 M 0226 1 END
99 M 0227 1 END %;
100 0228 1
101 0229 1 EQUATED SYMBOLS:
102 0230 1
103 0231 1
104 0232 1 OWN STORAGE:
105 0233 1
106 0234 1
107 0235 1 EXTERNAL REFERENCES:
108 0236 1
109 0237 1
110 0238 1 EXTERNAL

```

SETTIM
V04-000

Set time to user-specified time
Module Level Declarations

E 5
16-Sep-1984 01:47:05 VAX-11 Bliss-32 V4.0-742
14-Sep-1984 13:08:09 [RUNOFF.SRC]SETTIM.BLI;1

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```
.. 111 0239 1 DATTIM : VECTOR [6],  
.. 112 0240 1 NMLST : NUMBER_LIST;  
.. 113 0241 1  
.. 114 0242 1 !  
.. 115 0243 1 EXTERNAL LITERAL  
.. 116 0244 1 RNF INM;  
.. 117 0245 1  
.. 118 0246 1 !  
.. 119 0247 1  
.. 120 0248 1 EXTERNAL ROUTINE  
.. 121 0249 1 ERMA,  
.. 122 0250 1 GLNM,  
.. 123 0251 1 RNODAT;  
.. 124 0252 1  
.. 125 0253 1 !  
.. 126 0254 1
```

.Date and time.
!GLNM returns command parameters here

'Error messages

```

128 0255 1 %SBTTL 'SETTIM --'
129 0256 1 GLOBAL ROUTINE settim (handler_code) : NOVALUE =      !
130 0257 1
131 0258 1
132 0259 1  +-
133 0260 1  |
134 0261 1  |   FUNCTIONAL DESCRIPTION:
135 0262 1  |   SETTIM calls GLNM to pick up the hours, minutes, and seconds, in that order.
136 0263 1  |   If the user says nothing, then the time is set to the system time.
137 0264 1  |
138 0265 1  |   FORMAL PARAMETERS:
139 0266 1  |   HANDLER_CODE is not examined. It is passed to this routine
140 0267 1  |   for reasons of conformity only. It will always have the
141 0268 1  |   value H_SET_TIME.
142 0269 1  |
143 0270 1  |   IMPLICIT INPUTS:      None
144 0271 1  |
145 0272 1  |   IMPLICIT OUTPUTS:     None
146 0273 1  |
147 0274 1  |   ROUTINE value:
148 0275 1  |   COMPLETION CODES:     None
149 0276 1  |
150 0277 1  |   SIDE EFFECTS:        None
151 0278 1  |
152 0279 1  |   --
153 0280 1  |
154 0281 2  |   BEGIN
155 0282 2  |
156 0283 2  |   LOCAL
157 0284 2  |     temp_datim : VECTOR [6];
158 0285 2  |
159 0286 2  |   glnm (3);                                !Request hours, minutes, and seconds.
160 0287 2  |
161 0288 2  |   IF .nmlst_count EQL 0 THEN
162 0289 2  |     BEGIN
163 0290 2  |       !Get entire system date/time.
164 0291 2  |       rnodat (temp_datim);
165 0292 2  |       !Save just the system time part.
166 0293 2  |       dattim [3] = .temp_datim [3];        !Hours
167 0294 2  |       dattim [4] = .temp_datim [4];        !Minutes
168 0295 2  |       dattim [5] = .temp_datim [5];        !Seconds
169 0296 2  |       RETURN;
170 0297 2  |     END;
171 0298 2  |
172 0299 2  |     !Assume the most complicated case: that the user is
173 0300 2  |     !adjusting settings by adding/subtracting values.
174 0301 2  |     !Make a copy of the current time.
175 0302 2  |     temp_datim [3] = .dattim [3];          !Hours
176 0303 2  |     temp_datim [4] = .dattim [4];          !Minutes
177 0304 2  |     temp_datim [5] = .dattim [5];          !Seconds
178 0305 2  |
179 0306 2  |     !Validate the hours, if given
180 0307 2  |     doparm (1,23);                          !First parameter can have a maximum value of 23
181 0308 2  |
182 0309 2  |     !Validate the minutes, if given
183 0310 2  |     IF .nmlst_count GEQ 2 THEN
184 0311 2  |       doparm (2,59);                          !Second paramater can have a maximum value of 59

```


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SETTIM --

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

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			30	19	0007C	8\$:	BLSS	13\$	
	3B	10	AE	D1	0007E		CMPL	TEMP_DATIM+16, #59	
			2A	14	00082		BGTR	13\$	
	03		62	D1	00084	9\$:	CMPL	NMLST, #3	0314
			35	19	00087		BLSS	14\$	
	50	00AC	C2	D0	00089		MOVL	NMLST+172, R0	0315
			2E	13	0008E		BEQL	14\$	
	02		50	D1	00090		CMPL	R0, #2	
			05	13	00093		BEQL	10\$	
	03		50	D1	00095		CMPL	R0, #3	
			07	12	00098		BNEQ	11\$	
	14	AE	0C	A2	C0	0009A	10\$:	ADDL2	NMLST+12, TEMP_DATIM+20
				05	11	0009F		BRB	12\$
	14	AE	0C	A2	D0	000A1	11\$:	MOVL	NMLST+12, TEMP_DATIM+20
				06	19	000A6	12\$:	BLSS	13\$
	3B	14	AE	D1	000A8		CMPL	TEMP_DATIM+20, #59	
			10	15	000AC		BLEQ	14\$	
			7E	D4	000AE	13\$:	CLRL	-(SP)	
		00000000G	EF	00000000G	8F	DD	000B0	PUSHL	#RNFIM
					02	FB	000B6	CALLS	#2, ERMA
					04	000B7		RET	
					7D	000BE	14\$:	MOVQ	TEMP_DATIM+12, DATTIM+12
	08	A3	14	AE	D0	000C2		MOVL	TEMP_DATIM+20, DATTIM+20
					04	000C7		RET	

0318
0320
0322

; Routine Size: 200 bytes, Routine Base: \$CODE\$ + 0000

:	196	0323	1		
:	197	0324	1	END	!End of module
:	198	0325	0	ELUDOM	

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	200	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	00:00.2
_\$255\$DUA28:[RUNOFF.SRC]DSKLIB.L32;1	1248	11	0	86	00:00.3

SKIP
V04-

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