

CCCCCCCCCCCC	LLL	IIIIIIIIII	UUU	UUU	TTTTTTTTTTTTTTTT	LLL
CCCCCCCCCCCC	LLL	IIIIIIIIII	UUU	UUU	TTTTTTTTTTTTTTTT	LLL
CCCCCCCCCCCC	LLL	IIIIIIIIII	UUU	UUU	TTTTTTTTTTTTTTTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	IIIIIIIIII	UUUUUUUUUUUUUUUU	UUUUUUUUUUUUUUUU	TTTT	LLLLLLLLLLLLLLLL
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	IIIIIIIIII	UUUUUUUUUUUUUUUU	UUUUUUUUUUUUUUUU	TTTT	LLLLLLLLLLLLLLLL
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	IIIIIIIIII	UUUUUUUUUUUUUUUU	UUUUUUUUUUUUUUUU	TTTT	LLLLLLLLLLLLLLLL

```
SSSSSSSS  FFFFFFFF  TTTTTTTTTT  TTTTTTTTTT  IIIIII  MM  MM  FFFFFFFF
SSSSSSSS  FFFFFFFF  TTTTTTTTTT  TTTTTTTTTT  IIIIII  MM  MM  FFFFFFFF
SS        FE        TT        TT        II        MMMM  MMMM  FFFFFFFF
SS        FE        TT        TT        II        MMMM  MMMM  FFFFFFFF
SS        FE        TT        TT        II        MM  MM  FFFFFFFF
SSSSSS    FFFFFFFF  TT        TT        II        MM  MM  FFFFFFFF
SSSSSS    FFFFFFFF  TT        TT        II        MM  MM  FFFFFFFF
SS        FE        TT        TT        II        MM  MM  FFFFFFFF
SS        FE        TT        TT        II        MM  MM  FFFFFFFF
SS        FE        TT        TT        II        MM  MM  FFFFFFFF
SS        FE        TT        TT        II        MM  MM  FFFFFFFF
SSSSSSSS  FFFFFFFF  TT        TT        IIIIII  MM  MM  FFFFFFFF
SSSSSSSS  FFFFFFFF  TT        TT        IIIIII  MM  MM  FFFFFFFF
```

```
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
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS
```



```
1 0001 0 MODULE settime ( IDENT = 'V04-000',
2 0002 0 ADDRESSING_MODE (EXTERNAL = GENERAL)) =
3 0003 1 BEGIN
4 0004 1
5 0005 1 |*****
6 0006 1 |*
7 0007 1 |* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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24 0024 1 |*
25 0025 1 |*
26 0026 1 |*****
27 0027 1
28 0028 1 ++
29 0029 1 FACILITY: SETPRO Command
30 0030 1
31 0031 1 ABSTRACT:
32 0032 1
33 0033 1 This utility sets the system time.
34 0034 1
35 0035 1 ENVIRONMENT:
36 0036 1
37 0037 1 VAX/VMS operating system. Privileged user mode.
38 0038 1
39 0039 1 AUTHOR: Gerry Smith 6-Jan-1983
40 0040 1
41 0041 1 Modified by:
42 0042 1
43 0043 1 V03-001 GAS0112 29-Mar-1983
44 0044 1 Remove last traces of old command dispatcher.
45 0045 1
46 0046 1 |--
```


SETTIME
V04-000

C 16
16-Sep-1984 01:01:27
14-Sep-1984 12:09:21

VAX-11 Bliss-32 V4.0-742
[CLIUTL.SRC]SETTIME.B32;1

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```
: 48      0047 1 !  
: 49      0048 1 ! Include files  
: 50      0049 1 !  
: 51      0050 1 LIBRARY 'SYS$LIBRARY:STARLET';      ! VAX/VMS common definitions
```



```

: 53      0051  1  |
: 54      0052  1  | Table of contents
: 55      0053  1  |
: 56      0054  1  |
: 57      0055  1  | FORWARD ROUTINE
: 58      0056  1  |   set$time : NOVALUE;           ! Routine to set the time
: 59      0057  1  |
: 60      0058  1  |
: 61      0059  1  | External routines
: 62      0060  1  |
: 63      0061  1  | EXTERNAL ROUTINE
: 64      0062  1  |   cli$get_value,             ! CLI routine to get the time
: 65      0063  1  |   lib$cvtime;                ! Routine to convert to system time
: 66      0064  1  |
: 67      0065  1  |
: 68      0066  1  | External definitions
: 69      0067  1  |
: 70      0068  1  | EXTERNAL LITERAL
: 71      0069  1  |   set$_writeerr;            ! Error modifying...
: 72      0070  1  |
: 73      0071  1  |
: 74      0072  1  | Declare some shared messages
: 75      0073  1  |
: 76      P 0074  1  | $SHR_MSGDEF (SET,119,LOCAL,
: 77      P 0075  1  | (invquaval, error),
: 78      0076  1  | (valerr, error));
: 79      0077  1  |
: 80      0078  1  |

```



```

0079 1 GLOBAL ROUTINE set$time : NOVALUE =
0080 2 BEGIN
0081 3 ++
0082 4 Functional description
0083 5
0084 6     This is the routine for the SET TIME command.
0085 7     It is called from the SET command processor.
0086 8
0087 9 Inputs
0088 10     None
0089 11
0090 12 Outputs
0091 13     None
0092 14
0093 15 -----
0094 16
0095 17 LOCAL
0096 18     status,                ! Status return
0097 19     time : VECTOR[2] INITIAL(0,0), ! System time initially set to zero
0098 20     time_desc : $BBLOCK[dsc$c_s_b[n]; ! Descriptor for system time
0099 21
0100 22 !
0101 23 ! First, get the time value by asking the CLI for it.
0102 24 !
0103 25 $init_dyndesc(time_desc);           ! Make the time descriptor dynamic
0104 26 IF cli$get_value(%ASCII 'TIME',     ! If there was a value given
0105 27     time_desc)                     ! then convert it.
0106 28 THEN
0107 29 BEGIN
0108 30     IF NOT (status = lib$cvt_time(time_desc, time))
0109 31     THEN
0110 32     BEGIN
0111 33     SIGNAL(set$_writeerr, 1, %ASCII 'time', set$_valerr);
0112 34     RETURN;
0113 35     END;
0114 36     END;
0115 37
0116 38 !
0117 39 ! Set the time.
0118 40 !
0119 41 IF NOT (status = $SETIME(TIMADR = time))
0120 42 THEN SIGNAL(set$_writeerr, 1, %ASCII 'time', .status);
0121 43
0122 44 RETURN;
0123 45 END;

```

```

.TITLE SETTIME
.IDENT \V04-000\

.PSECT $PLITS,NOWRT,NOEXE,2

```

```

45 4D 49 54 0000 P.AAB: .ASCII \TIME\
      010E0004 00004 P.AAA: .LONG 17694724
      00000000' 00008 .ADDRESS P.AAB
65 6D 69 74 0000 P.AAD: .ASCII \time\
      010E0004 00010 P.AAC: .LONG 17694724

```


		00000000'	00014		.ADDRESS P.AAD	
65	6D	69	74	00018	P.AAF: .ASCII \time\	
		010E0004	0001C		P.AAE: .LONG 17694724	
		00000000'	00020		.ADDRESS P.AAF	
					.EXTRN CLISGET VALUE, LIB\$CVT TIME	
					.EXTRN SET\$ WRITEERR, SYSS\$SETIME	
					.PSECT \$CODE\$,NOWRT,2	
			0004	00000	.ENTRY SET\$TIME, Save R2	
	5E		0C	C2	00002	SUBL2 #12, SP
		04	AE	7C	00005	CLRQ TIME
		020E0000	8F	DD	00008	PUSHL #34471936
		04	AE	D4	0000E	CLRL TIME_DESC+4
			5E	DD	00011	PUSHL SP
		0000'	CF	9F	00013	PUSHAB P.AAA
00000000G	00		02	FB	00017	CALLS #2, CLISGET_VALUE
	1F		50	E9	0001E	BLBC R0, 1\$
		08	AE	9F	00021	PUSHAB TIME
		04	AE	9F	00024	PUSHAB TIME_DESC
00000000G	00		02	FB	00027	CALLS #2, LIB\$CVT_TIME
	52		50	D0	0002E	MOVL R0, STATUS
	0C		52	E8	00031	BLBS STATUS, 1\$
		007711EA	8F	DD	00034	PUSHL #7803370
		0000'	CF	9F	0003A	PUSHAB P.AAC
			16	11	0003E	BRB 2\$
		08	AE	9F	00040	PUSHAB TIME
00000000G	00		01	FB	00043	CALLS #1, SYSS\$SETIME
	52		50	D0	0004A	MOVL R0, STATUS
	15		52	E8	0004D	BLBS STATUS, 3\$
			52	DD	00050	PUSHL STATUS
		0000'	CF	9F	00052	PUSHAB P.AAE
			01	DD	00056	PUSHL #1
00000000G	00	00000000G	8F	DD	00058	PUSHL #SET\$ WRITEERR
			04	FB	0005E	CALLS #4, LIB\$SIGNAL
			04	00065	3\$:	RET

; Routine Size: 102 bytes, Routine Base: \$CODE\$ + 0000

SETTIME
V04-000

G 16
16-Sep-1984 01:01:27
14-Sep-1984 12:09:21

VAX-11 Bliss-32 V4.0-742
[CLIUTL.SRC]SETTIME.B32;1

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: 128 0124 1 END
: 129 0125 0 ELUDOM

.EXTRN LIB\$SIGNAL

PSECT SUMMARY

Name	Bytes	Attributes
\$SPLITS	36	NOVEC,NOWRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
\$CODES	102	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]STARLET.L32;1	9776	17	0	581	00:01.0

COMMAND QUALIFIERS

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

: Size: 102 code + 36 data bytes
: Run Time: 00:03.6
: Elapsed Time: 00:13.6
: Lines/CPU Min: 2106
: Lexemes/CPU-Min: 12674
: Memory Used: 54 pages
: Compilation Complete

Terminal 1	Terminal 2	Terminal 3	Terminal 4	Terminal 5	Terminal 6	Terminal 7	Terminal 8	Terminal 9	Terminal 10	Terminal 11	Terminal 12	Terminal 13	Terminal 14
Terminal 15	Terminal 16	Terminal 17	Terminal 18	Terminal 19	Terminal 20	Terminal 21	Terminal 22	Terminal 23	Terminal 24	Terminal 25	Terminal 26	Terminal 27	Terminal 28
Terminal 29	Terminal 30	Terminal 31	Terminal 32	Terminal 33	Terminal 34	Terminal 35	Terminal 36	Terminal 37	Terminal 38	Terminal 39	Terminal 40	Terminal 41	Terminal 42
Terminal 43	Terminal 44	Terminal 45	Terminal 46	Terminal 47	Terminal 48	Terminal 49	Terminal 50	Terminal 51	Terminal 52	Terminal 53	Terminal 54	Terminal 55	Terminal 56
Terminal 57	Terminal 58	Terminal 59	Terminal 60	Terminal 61	Terminal 62	Terminal 63	Terminal 64	Terminal 65	Terminal 66	Terminal 67	Terminal 68	Terminal 69	Terminal 70
Terminal 71	Terminal 72	Terminal 73	Terminal 74	Terminal 75	Terminal 76	Terminal 77	Terminal 78	Terminal 79	Terminal 80	Terminal 81	Terminal 82	Terminal 83	Terminal 84
Terminal 85	Terminal 86	Terminal 87	Terminal 88	Terminal 89	Terminal 90	Terminal 91	Terminal 92	Terminal 93	Terminal 94	Terminal 95	Terminal 96	Terminal 97	Terminal 98
Terminal 99	Terminal 100	Terminal 101	Terminal 102	Terminal 103	Terminal 104	Terminal 105	Terminal 106	Terminal 107	Terminal 108	Terminal 109	Terminal 110	Terminal 111	Terminal 112
Terminal 113	Terminal 114	Terminal 115	Terminal 116	Terminal 117	Terminal 118	Terminal 119	Terminal 120	Terminal 121	Terminal 122	Terminal 123	Terminal 124	Terminal 125	Terminal 126
Terminal 127	Terminal 128	Terminal 129	Terminal 130	Terminal 131	Terminal 132	Terminal 133	Terminal 134	Terminal 135	Terminal 136	Terminal 137	Terminal 138	Terminal 139	Terminal 140