```
EEEEEEEEEEEEEEEEE   RRRRRRRRRRRR      FFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEEEE   RRRRRRRRRRRR      FFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEEE    RRRRRRRRRRRR      FFFFFFFFFFFFFFF
EEE                 RRR        RRR    FFF
EEE                 RRR        RRR    FFF
EEE                 RRR        RRR    FFF
EEE                 RRR        RRR    FFF
EEE                 RRR        RRR    FFF
EEE                 RRR        RRR    FFF
EEEEEEEEEEEE        RRRRRRRRRRRR      FFFFFFFFFFF
EEEEEEEEEEEE        RRRRRRRRRRRR      FFFFFFFFFFF
EEEEEEEEEEEE        RRRRRRRRRRRR      FFFFFFFFFFF
EEE                 RRR    RRR        FFF
EEE                 RRR    RRR        FFF
EEE                 RRR    RRR        FFF
EEE                 RRR     RRR       FFF
EEE                 RRR      RRR      FFF
EEE                 RRR      RRR      FFF
EEEEEEEEEEEEEEEE    RRR        RRR    FFF
EEEEEEEEEEEEEEE     RRR        RRR    FFF
EEEEEEEEEEEEEEEE    RRR        RRR    FFF
```

```
SSSSSSSS YY      YY  SSSSSSSS TTTTTTTTTT   AAAAAA   RRRRRRRR   TTTTTTTTTT UU      UU  PPPPPPPP
SSSSSSSS YY      YY  SSSSSSSS TTTTTTTTTT   AAAAAA   RRRRRRRR   TTTTTTTTTT UU      UU  PPPPPPPP
SS       YY      YY  SS           TT      AA    AA  RR     RR      TT     UU      UU  PP      PP
SS       YY      YY  SS           TT      AA    AA  RR     RR      TT     UU      UU  PP      PP
SS          YY  YY   SS           TT      AA    AA  RR     RR      TT     UU      UU  PP      PP
SS          YY  YY   SS           TT      AA    AA  RR     RR      TT     UU      UU  PP      PP
 SSSSSS        YY     SSSSSS      TT      AA    AA  RRRRRRRR       TT     UU      UU  PPPPPPPP
 SSSSSS        YY     SSSSSS      TT      AA    AA  RRRRRRRR       TT     UU      UU  PPPPPPPP
     SS        YY         SS      TT    AAAAAAAAAA  RR  RR         TT     UU      UU  PP
     SS        YY         SS      TT    AAAAAAAAAA  RR  RR         TT     UU      UU  PP
     SS        YY         SS      TT     AA    AA   RR    RR       TT     UU      UU  PP          ....
     SS        YY         SS      TT     AA    AA   RR    RR       TT     UU      UU  PP          ....
SSSSSSSS       YY    SSSSSSSS     TT     AA    AA   RR      RR     TT     UUUUUUUUUU  PP          ....
SSSSSSSS       YY    SSSSSSSS     TT     AA    AA   RR      RR     TT     UUUUUUUUUU  PP          ....


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
```

```
0001            Subroutine SYS_STARTUP (lun)
0002     C
0003     C Version:      'V04-000'
0004     C
0005     C***************************************************************************
0006     C*                                                                         *
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0024     C*                                                                         *
0025     C*                                                                         *
0026     C***************************************************************************
0027     C
0028     C Modified By:
0029     C
0030     C      V03-001 SAR0098        Sharon A. Reynolds,    20-Jun-1983
0031     C                    Changed the carriage control in the 'format' statements
0032     C                    for use with ERF.
0033     C
0034     C--
0035
0036     C
0037     C      Require files
0038     C
0039            Include 'src$:msghdr.for /nolist'
0098
0099
0100            Byte          Lun
0101
0102     C
0103     C      Call the 'header' routine to output the first two lines of the
0104     C      header portion of the report.
0105     C
0106            Call HEADER (lun)
0107
0108     C
0109     C      Determine if this is a 'system start-up' or a 'power fail restart'
0110     C      entry. Call the 'logger' routine with the appropriate heading
0111     C      to output for the header portion of the report. (System start up
0112     C      and power fail restart entries consist of header and time of day
0113     C      clock only, as they are indicators that the event occurred).
0114     C
0115            If (EMBSW_HD_ENTRY .EQ. '20'X) Then          ! System start-up
```

```
0116                Call LOGGER (lun,'SYSTEM START-UP')
0117
0118                Else if (EMB$W_HD_ENTRY .EQ. '24'X) Then        ! Power-fail restart
0119                Call LOGGER (lun,'POWER-FAIL RESTART')
0120                Endif
0121
0122
0123        C
0124        C       Call the 'linchk' routine to count the number of lines output.
0125        C       And output the information.
0126        C
0127                Call LINCHK (LUN,2)
0128
0129                Write (lun,2111) (emb(16 + i),i = 3,0,-1)
0130        2111    Format(/' ','TIME OF DAY CLOCK',T24,4Z2.2)
0131
0132                Return
0133                End     ! Module
```

PROGRAM SECTIONS

	Name	Bytes	Attributes
0	$CODE	129	PIC CON REL LCL SHR EXE RD NOWRT LONG
1	$PDATA	70	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2	$LOCAL	64	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
3	EMB	512	PIC OVR REL GBL SHR NOEXE RD WRT LONG
	Total Space Allocated	775	

ENTRY POINTS

Address	Type	Name
0-00000000		SYS_STARTUP

VARIABLES

Address	Type	Name	Address	Type	Name
3-00000000	I*4	EMB$L_HD_SID	3-00000004	I*2	EMB$W_HD_ENTRY
3-0000000E	I*2	EMB$W_HD_ERRSEQ	2-00000000	I*4	I
AP-0000004a	L*1	LUN			

ARRAYS

Address	Type	Name	Bytes	Dimensions
3-00000000	L*1	EMB	512	(0:511)
3-00000006	I*4	EMB$Q_HD_TIME	8	(2)

SYS_STARTUP   N 6
                                    16-Sep-1984 00:15:33   VAX-11 FORTRAN V3.4-56   Page 3
                                      5-Sep-1984 14:23:14   DISK$VMSMASTER:[ERF.SRC]SYSTARTUP.FOR;1

LABELS

    Address   Label

  1-00000027 2111'

FUNCTIONS AND SUBROUTINES REFERENCED

  Type Name   Type Name   Type Name

       HEADER   LINCHK   LOGGER

COMMAND QUALIFIERS

  FORTRAN /LIS=LIS$:SYSTARTUP/OBJ=OBJ$:SYSTARTUP MSRC$:SYSTARTUP

  /CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
  /DEBUG=(NOSYMBOLS,TRACEBACK)
  /STANDARD=(NOSYNTAX,NOSOURCE_FORM)
  /SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)
  /F77 /NOG_FLOATING /I4 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19

COMPILATION STATISTICS

  Run Time: 1.25 seconds
  Elapsed Time: 4.36 seconds
  Page Faults: 91
  Dynamic Memory: 167 pages

TIMCMP
LIS

TUTAPE
LIS

SBI
LIS

STSEVENT
LIS

TRNS_BITS
LIS

UBAERR
LIS

TIMRB
LIS

UBA
LIS

TU81SENSE
LIS

UNDEFINED
LIS

SYSPWRFL
LIS

SUMMARY
LIS

UNKN_DISP
LIS

SHRVECTOR
LIS

SYSTARTUP
LIS

UBAINT
LIS

TOF
LIS

UNKNOWN
LIS

TSTAPE
LIS