```
FFFFFFFFFFFFFFF      000000000      RRRRRRRRRRR      RRRRRRRRRRR      TTTTTTTTTTTTTTT  LLL
FFFFFFFFFFFFFFF      000000000      RRRRRRRRRRR      RRRRRRRRRRR      TTTTTTTTTTTTTTT  LLL
FFFFFFFFFFFFFFF    000     000      RRRRRRRRRRR      RRRRRRRRRRR      TTTTTTTTTTTTTTT  LLL
FFF                000     000      RRR     RRR      RRR     RRR          TTT          LLL
FFF                000     000      RRR     RRR      RRR     RRR          TTT          LLL
FFF                000     000      RRR     RRR      RRR     RRR          TTT          LLL
FFF                000     000      RRR     RRR      RRR     RRR          TTT          LLL
FFF                000     000      RRR     RRR      RRR     RRR          TTT          LLL
FFFFFFFFFFF        000     000      RRRRRRRRRRR      RRRRRRRRRRR          TTT          LLL
FFFFFFFFFFF        000     000      RRRRRRRRRRR      RRRRRRRRRRR          TTT          LLL
FFFFFFFFFFF        000     000      RRRRRRRRRRR      RRRRRRRRRRR          TTT          LLL
FFF                000     000      RRR   RRR        RRR   RRR            TTT          LLL
FFF                000     000      RRR   RRR        RRR   RRR            TTT          LLL
FFF                000     000      RRR   RRR        RRR   RRR            TTT          LLL
FFF                000     000      RRR     RRR      RRR     RRR          TTT          LLL
FFF                000     000      RRR     RRR      RRR     RRR          TTT          LLL
FFF                000     000      RRR     RRR      RRR     RRR          TTT          LLL
FFF                  000000000      RRR       RRR    RRR       RRR        TTT          LLLLLLLLLLLLLLL
FFF                  000000000      RRR       RRR    RRR       RRR        TTT          LLLLLLLLLLLLLLL
FFF                  000000000      RRR       RRR    RRR       RRR        TTT          LLLLLLLLLLLLLLL
```

```
CCCCCCCC    000000    MM      MM  EEEEEEEEEE   SSSSSSSS  TTTTTTTTTT
CCCCCCCC    000000    MM      MM  EEEEEEEEEE   SSSSSSSS  TTTTTTTTTT
CC          00    00  MMMM  MMMM  EE           SS            TT
CC          00    00  MMMM  MMMM  EE           SS            TT
CC          00    00  MM MM MM MM EE           SS            TT
CC          00    00  MM  MM  MM  EE           SS            TT
CC          00    00  MM      MM  EEEEEEE        SSSSSS      TT
CC          00    00  MM      MM  EEEEEEE        SSSSSS      TT
CC          00    00  MM      MM  EE                 SS      TT
CC          00    00  MM      MM  EE                 SS      TT
CC          00    00  MM      MM  EE                 SS      TT
CC          00    00  MM      MM  EE                 SS      TT    ....
CCCCCCCC    000000    MM      MM  EEEEEEEEEE   SSSSSSSS      TT    ....
CCCCCCCC    000000    MM      MM  EEEEEEEEEE   SSSSSSSS      TT    ....


RRRRRRRR   EEEEEEEEEE    QQQQQQ
RRRRRRRR   EEEEEEEEEE    QQQQQQ
RR     RR  EE          QQ      QQ
RR     RR  EE          QQ      QQ
RR     RR  EE          QQ      QQ
RR     RR  EE          QQ      QQ
RRRRRRRR   EEEEEEEE     QQ      QQ
RRRRRRRR   EEEEEEEE     QQ      QQ
RR   RR    EE          QQ   QQ QQ
RR   RR    EE          QQ   QQ QQ
RR    RR   EE          QQ    QQ
RR    RR   EE          QQ    QQ
RR     RR  EEEEEEEEEE    QQQQ QQ
RR     RR  EEEEEEEEEE    QQQQ QQ
```

```
!+
! REQUIRE file for FORTRAN ERRSET and ERRTST compatability routines.
! Referenced only by modules COM$ERRSET, COM$ERRTST, and COM$$ERRSET_TST.
!-


!*****************************************************************************
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! Author:        J. Taylor
! Change History:
! 0-1    - Original.  JMT 12-Jan-78
! 0-2    - Change name to COMEST.REQ JBS 14-NOV-78
! 1-001 - Change version number and add copyright notice  JBS 16-NOV-78
! 1-002 - Remove PRINT statement for new BLISS compiler.  JBS 02-OCT-1979
!--
!+
! Define macros for accessing fields of signaled condition value:
!-
MACRO

        STS_SEVERITY    = BLOCK[SIG_ARGS_ADR[CHF$L_SIG_NAME], STS$V_SEVERITY; , BYTE] %,        ! error severity
        STS_FAC_NO      = BLOCK[SIG_ARGS_ADR[CHF$L_SIG_NAME], STS$V_FAC_NO; , BYTE] %,  ! facility number
        STS_CODE        = BLOCK[SIG_ARGS_ADR[CHF$L_SIG_NAME], STS$V_CODE; , BYTE] %,   ! FORTRAN error number
        STS_COND_ID     = BLOCK[SIG_ARGS_ADR[CHF$L_SIG_NAME], STS$V_COND_ID; , BYTE] %; ! condition id
                                                                    ! (all but control bits and severity)

MACRO

        CHF_SIG_TRAP_NO = 8, 0, 3, 0 %; ! arithmetic trap code is 2nd signal arg list entry (3 bits)


!+
! Define error control status bits set by ERRSET and tested by ERRTST.
! Each error number has a byte in FORT_ERR_TAB table with the following bits defined:
!-

MACRO
```

C.10

```
        V_EC_CONTINUE   = 0, 0, 1, 0 %, ! 1 = continuable (or ERR=), 0 = EXIT.
        V_EC_COUNT      = 0, 1, 1, 0 %, ! 1 = count against image limit
        V_EC_CONT_TYPE  = 0, 2, 1, 0 %, ! 1 = take ERR= if present, else EXIT
                                        !     0 = continue
        V_EC_LOG        = 0, 3, 1, 0 %, ! 1 = print error message

        V_EC_CONT_ALLOW = 0, 5, 1, 0 %, ! 1 = continue allowed
        V_EC_EREQ_ALLOW = 0, 6, 1, 0 %, ! 1 = ERR= allowed
        V_EC_OCCURRED   = 0, 7, 1, 0 %, ! 1 = error occurred since last CALL ERRTST
        B_EC_ANY        = 0, 0, 8, 0 %; ! Legal error number if any bits are set

!       End of file COMEST.REQ
```

COMASSIGN
LIS

FORIOSDEF
SDL

FORFMT
REQ

FOROPN
REQ

COMR50ASC
LIS

COMERRTST
LIS

FDLTRFVEC
LIS

FORPAR
SDL

FORLIB
REQ

COMERRSET
LIS

COMIRAD50
LIS

FORPROLOG
REQ

FORRTL

FORRCE
SDL

FORMACROS
REQ

FORRTL
MAP

COMFDBSET
LIS

FORERR
SDL

FORDEF
FOR

COMEST
REQ

FORNML
REQ

COMCLOSE
LIS