


```

CCCCCCCC 000000 MM MM EEEEEEEEE SSSSSSSS TTTT\TTTTT
CCCCCCCC 000000 MM MM EEEEEEEEE SSSSSSSS TTTT\TTTTT
CC        00    00 MMMM MMMM EE          SS          TT
CC        00    00 MMMM MMMM EE          SS          TT
CC        00    00 MM MM MM EE          SS          TT
CC        00    00 MM MM MM EE          SS          TT
CC        00    00 MM MM MM EEEEEEEEE SSSSSSSS TT
CC        00    00 MM MM MM EEEEEEEEE SSSSSSSS TT
CC        00    00 MM MM MM EE          SS          TT
CC        00    00 MM MM MM EE          SS          TT
CC        00    00 MM MM MM EE          SS          TT
CCCCCCCC 000000 MM MM EEEEEEEEE SSSSSSSS TTTT\TTTTT
CCCCCCCC 000000 MM MM EEEEEEEEE SSSSSSSS TTTT\TTTTT

```

```

RRRRRRRR EEEEEEEEE QQQQQQ
RRRRRRRR EEEEEEEEE QQQQQQ
RR        RR EE          QQ          QQ
RR        RR EE          QQ          QQ
RR        RR EE          QQ          QQ
RRRRRRRR EEEEEEEEE QQ          QQ
RRRRRRRR EEEEEEEEE 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     EEEEEEEEE QQQQ  QQ
RR RR     EEEEEEEEE QQQQ  QQ

```

↑ REQUIRE file for FORTRAN ERRSET and ERRST compatability routines.
Referenced only by modules COM\$ERRSET, COM\$ERRST, 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$$_SIG_NAME], ST$$_SEVERITY; , BYTE] %,      ! error severity
STS_FAC_NO    = BLOCK[SIG_ARGS_ADR[CHF$$_SIG_NAME], ST$$_FAC_NO; , BYTE] %,      ! facility number
STS_CODE      = BLOCK[SIG_ARGS_ADR[CHF$$_SIG_NAME], ST$$_CODE; , BYTE] %,      ! FORTRAN error number
STS_COND_ID   = BLOCK[SIG_ARGS_ADR[CHF$$_SIG_NAME], ST$$_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 ERRST.
Each error number has a byte in FORT_ERR_TAB table with the following bits defined:

MACRO

FOR
!
F
!
A
!
E
!
1
!
LIT
!
FIE

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 ERRST
B_EC_ANY = 0, 0, 8, 0 % : Legal error number if any bits are set

! End of file COMEST.REQ

