

C
C Version: 'V04-000'

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C Modified by:

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C      V03-001      Steve Beckhardt      1-Jun-1982
C                  Corrected definitions for XFSM_IOS_CMDSTD and
C                  XFSM_IOS_DRVABT bits.

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C Function Codes

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C      PARAMETER      XFSK_PKT_RD = 0,      !read device
C      1              XFSK_PKT_RDCHN = 1,    !read device chained
C      1              XFSK_PKT_WRT = 2,      !write device
C      1              XFSK_PKT_WRTCHN = 3,   !write device chained
C      1              XFSK_PKT_WRTCM = 4,   !write control message
C      1              XFSK_PKT_SETTST = 6,  !set self test
C      1              XFSK_PKT_CLRTST = 7,  !clear self test
C      1              XFSK_PKT_NOP = 8,     !no-op
C      1              XFSK_PKT_DIAGRI = 9,  !diagnstic read internal
C      1              XFSK_PKT_DIAGWI = 10, !diagnostic wrt internal
C      1              XFSK_PKT_DIAGRD = 11, !diagnostic read DDI
C      1              XFSK_PKT_DIAGWC = 12, !diag write control msg
C      1              XFSK_PKT_SETRND = 13, !set random enable
C      1              XFSK_PKT_CLRRND = 14, !clear random enable
C      1              XFSK_PKT_HALT = 15   !set halt

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C Interrupt Control Codes

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C      PARAMETER      XFSK_PKT_UNCOND = 0, !unconditional interrupt
C      1              XFSK_PKT_TMOMT = 64, !int if TERMQ empty
C      1              XFSK_PKT_NOINT = 128 !do not deliver int

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C
C Command Control Codes
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PARAMETER      XFSK_PKT_NOTRAN = 0,      !no transmission
1              XFSK_PKT_CB = 8,          !send only command byte
1              !on Control Interconnect
1              XFSK_PKT_CBDM = 16,       !send command byte and
1              !device message
1              XFSK_PKT_CBDMBC = 24      !send command byte,
1              !dev msg, and byte count

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C
C Other Modes Values
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PARAMETER      XFSK_PKT_SUPLEN = 32      !suppress length error
PARAMETER      XFSK_PKT_INSHD = 256     !insert pkt at head
PARAMETER      XFSK_PKT_INSTL = 0       !insert pkt at tail of q

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C
C Masks for error bits set in the IO Status Block
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PARAMETER      XFSM_IOS_CIPPE = '20000000'X,
1              XFSM_IOS_CMDSTD = '2'X,
1              XFSM_IOS_DDIDIS = '10'X,
1              XFSM_IOS_DDIERR = '80'X,
1              XFSM_IOS_DIPE = '40000000'X,
1              XFSM_IOS_DRVABT = '2000'X,
1              XFSM_IOS_FREQMT = '200'X,
1              XFSM_IOS_FREQPK = '8'X,
1              XFSM_IOS_INVDDI = '800'X,
1              XFSM_IOS_INVPKT = '100'X,
1              XFSM_IOS_INVPTE = '4'X,
1              XFSM_IOS_LENERR = '1000'X,
1              XFSM_IOS_LOG = '40'X,
1              XFSM_IOS_NEXREG = '20'X,
1              XFSM_IOS_NORMAL = 1,
1              XFSM_IOS_PARERR = '80000000'X,
1              XFSM_IOS_RDSERR = '2000000'X,
1              XFSM_IOS_RNDENB = '400'X,
1              XFSM_IOS_RNGERR = '40'X,
1              XFSM_IOS_SBIERR = '1000000'X,
1              XFSM_IOS_SLFTST = '20'X,
1              XFSM_IOS_UNQERR = '80'X,
1              XFSM_IOS_WCSPE = '10000000'X

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C
C Masks for error bits set in DSL in packet
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PARAMETER      XFSM_PKT_CMDSTD = '2000'X,
1              XFSM_PKT_DDIDIS = '10'X,
1              XFSM_PKT_DDIERR = '80'X,
1              XFSM_PKT_DRVABT = '2'X,
1              XFSM_PKT_FREQMT = '200'X,
1              XFSM_PKT_FREQPK = '8'X,
1              XFSM_PKT_INVDDI = '800'X,
1              XFSM_PKT_INVPKT = '100'X,
1              XFSM_PKT_INVPTE = '4'X,

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1 XFSM_PKT_LENERR = '1000'x,
1 XFSM_PKT_LOG = '40'x,
1 XFSM_PKT_NEXREG = '20'x,
1 XFSM_PKT_NORMAL = '1'x,
1 XFSM_PKT_RNDENB = '400'x,
1 XFSM_PKT_RNGERR = '40'x,
1 XFSM_PKT_SLFTST = '20'x,
1 XFSM_PKT_UNQERR = '80'x

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C
C SHRS Status Returns
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PARAMETER SHRS_HALTED = '1270'x !transfer is halted
PARAMETER SHRS_QEMPTY = '1280'x !no packet on TERMQ
PARAMETER SHRS_NOCMDMEM = '1278'x .no cmd memory allocated

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