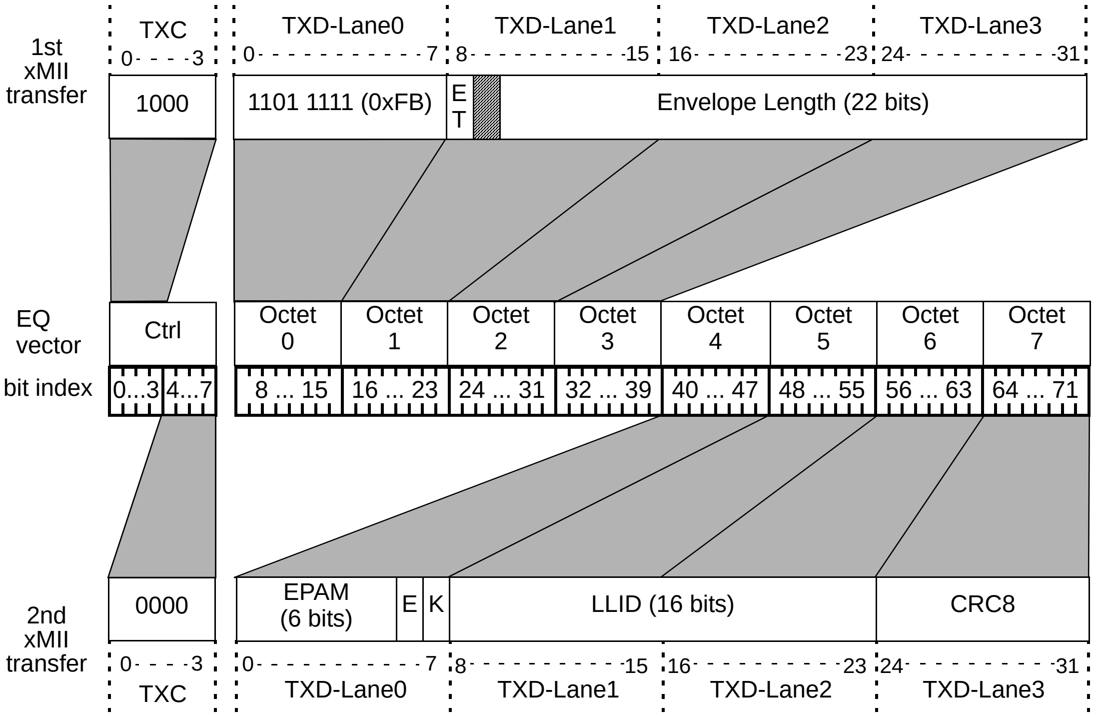
143. Multi-Point Reconciliation Sublayer

placeholder

Figure 143–10—Figure title placeholder

143.0.0 Envelope Header format



Legend
ET - EnvType (1 = ESH, 0 = ECH)
E - Encryption (1 = enabled, 0 = disabled)
K - Encryption Key Index (0, 1)
▨ - reserved (value = 0 for CRC8 calculation)

Figure 143–11—Transmission envelope header format

Table 143–1—Envelope Header EQ

EQ Bits	Value	Description
0-7	0x80	Control bits corresponding to TXC<3:0> in two successive MII transfers
8-15	0xFB	Start Control Code
16	0 for ECH 1 for ESH	EnvType flag
17	0	reserved
18-39	varies	Length of envelope (in EQ)
40-45	varies	Envelope Position Alignment Marker (Number of bits matches the size of wRow)
46-47	0x0	reserved
48-63	varies	LLID
64-71	varies	CRC8

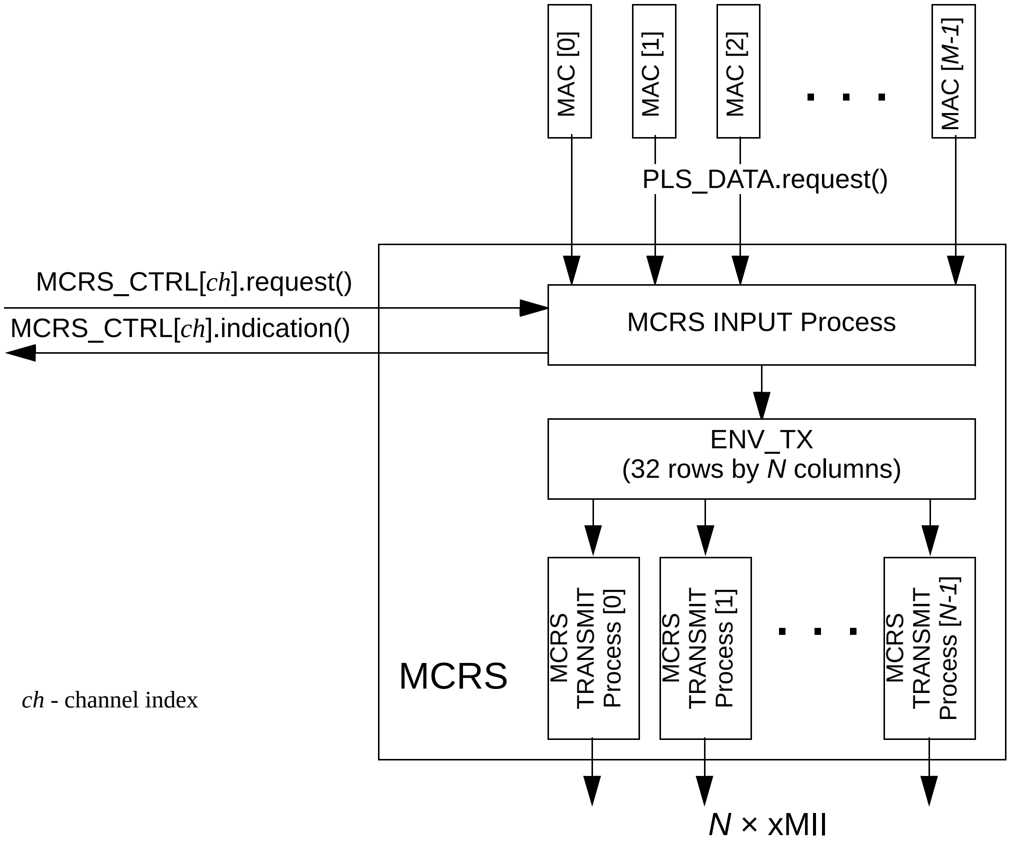


Figure 143–12—MPCRS transmit functional block diagram

placeholder

Figure 143–14—Figure title placeholder

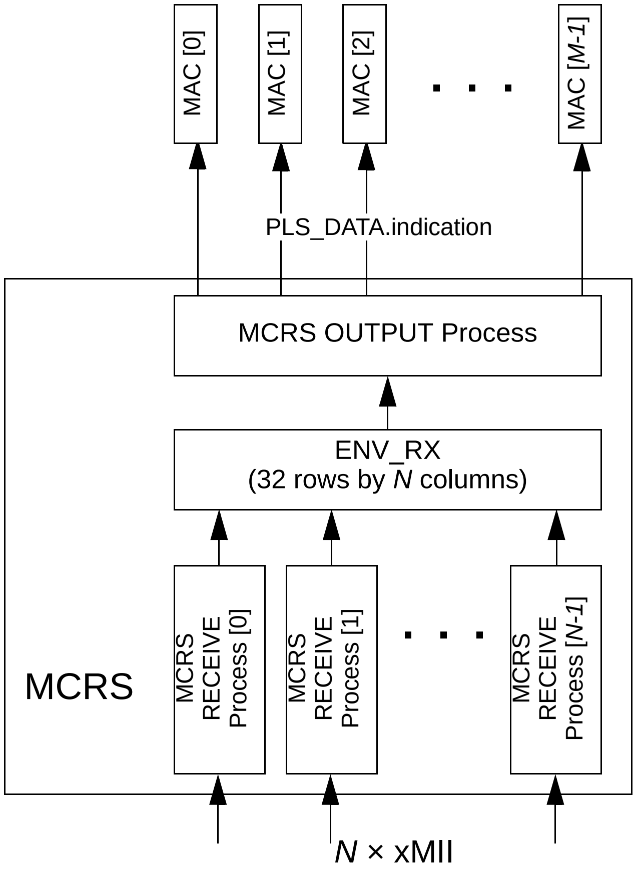
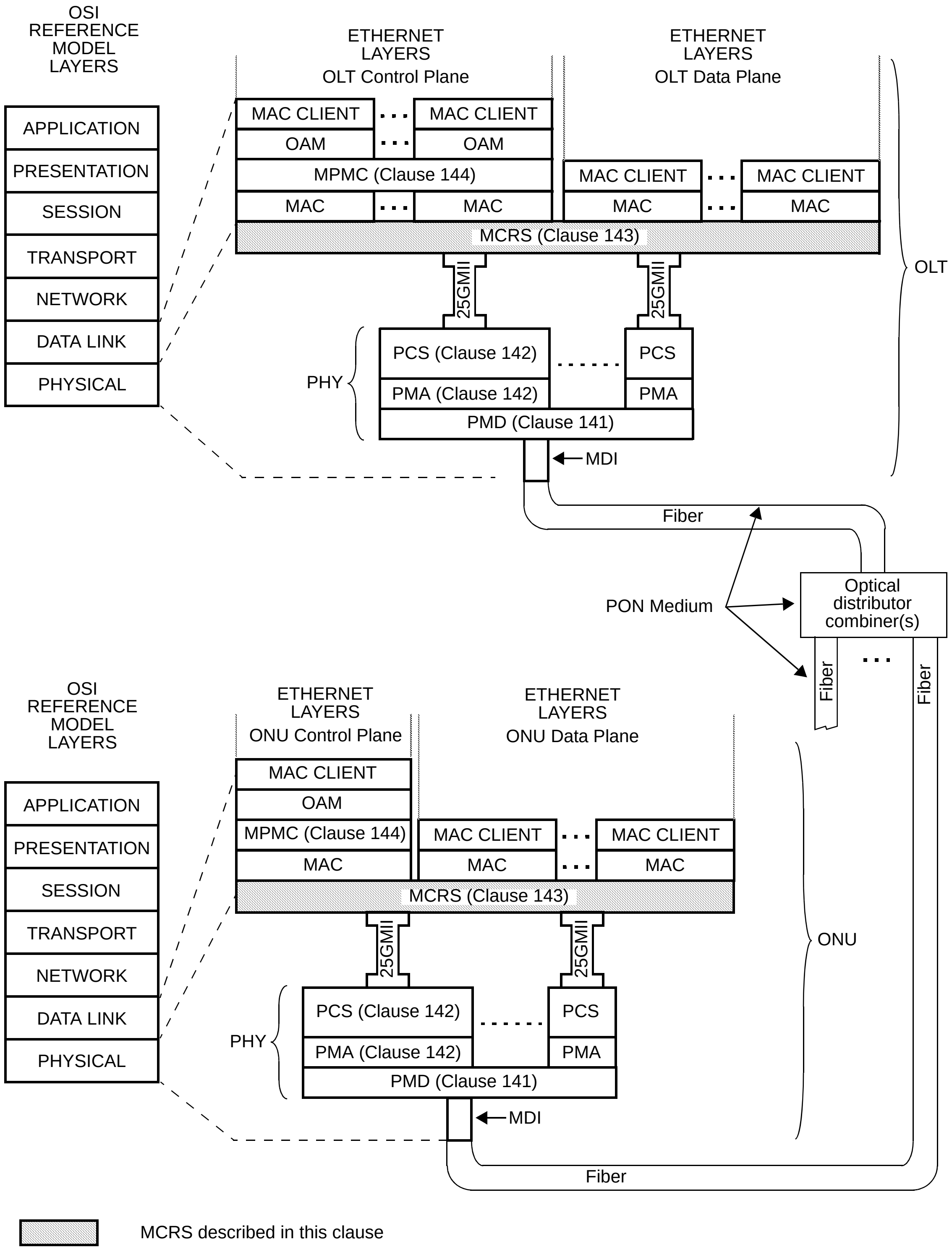


Figure 143–15—MCRS receive functional block diagram

placeholder

Figure 143–17—Figure title placeholder



25GMII= 25 GIGABIT MEDIA INDEPENDENT INTERFACE
MDI = MEDIUM DEPENDENT INTERFACE
OAM = OPERATIONS, ADMINISTRATION & MAINTENANCE
OLT = OPTICAL LINE TERMINAL
MCRS= MULTI-POINT RECONCILIATION SUBLAYER
MPMC= MULTI-POINT MAC CONTROL
ONU = OPTICAL NETWORK UNIT
PCS = PHYSICAL CODING SUBLAYER
PHY = PHYSICAL LAYER DEVICE
PMA = PHYSICAL MEDIUM ATTACHMENT
PMD = PHYSICAL MEDIUM DEPENDENT

Figure 143–18—Relationship of EPON P2MP PMD to the ISO/IEC OSI reference model