

#### 99.4.4 Transmit processing

~~The Transmit processing-Processing function receives MAC frames from the eMAC and pMAC. If the Transmit Processing function preempts a MAC frame preemptable frame from pMAC when a MM\_CTL.request(HOLD) primitive is received, or the eMAC has a frame to transmit if that can be done while enforcing the minimum size of mFrame meeting minimum mFrame data field size and a multiple of eight octets of the frame has been sent. Therefore, the preemption may only occur if at least 64 data octets of the preemptable frame have already been transmitted and at least 64 data octets remain of the preemptable frame remain to be transmitted. The minimum size of the mFrame may be modified based on the request from the remote PHY, as indicated in an Additional Ethernet Capabilities TLV (see 79.3.6) exchanged between link partners. The minimum size of mFrame may be set independently for each link direction.~~

~~The Transmit Processing function modifies the SFD field, as defined in 99.3.3. The~~

~~A link partner can indicate in the Additional Capabilities TLV that the link partner's receiver requires an additional multiple of 64 octets before preemption can occur. If an additional multiple of 64 octets, addFragSize, is requested, preemption will not occur until at least  $64 \times (1 + \text{addFragSize})$  octets have been sent.~~

~~Transmit processing-Processing function modifies the CRC field, includes a CRC generator to calculate an mCRC as specified defined in 99.3.6. If needed, the Transmit Processing function inserts the FRAG\_COUNT field, as defined 99.3.4.~~

~~Transmit processing replaces the SFD of a pMAC frame with an SMD Sx value. (The SMD E value is the same as the SFD value so the SFD of an eMAC frame does not need to be replaced.)~~

~~If a frame is preempted, transmit processing appends the mCRC to the mFrame.~~

~~Transmit processing starts transmission of the remainder of a preempted frame by sending preamble followed by an SMD Cx and frag\_count before continuing transmission of the frame data.~~

~~The Transmit processing-Processing function shall implement the process be performed as specified defined in Figure 99-4.~~

~~The preemption function is defined for full This primitive is only produced during full duplex operation, with whensupported -EEE or Link Interruption is supported. Some full duplex PHYs generate If a PLS\_CARRIER.indication to control (for example) the size of IPG. When the Transmit Processing function is receiveds a PLS\_CARRIER.indication primitive from the RS, the Transmit Processing function from the PLS, shall relay the same PLS\_CARRIER.indications with the same CARRIER\_STATUS shall be sent to the pMAC and the eMAC.~~