

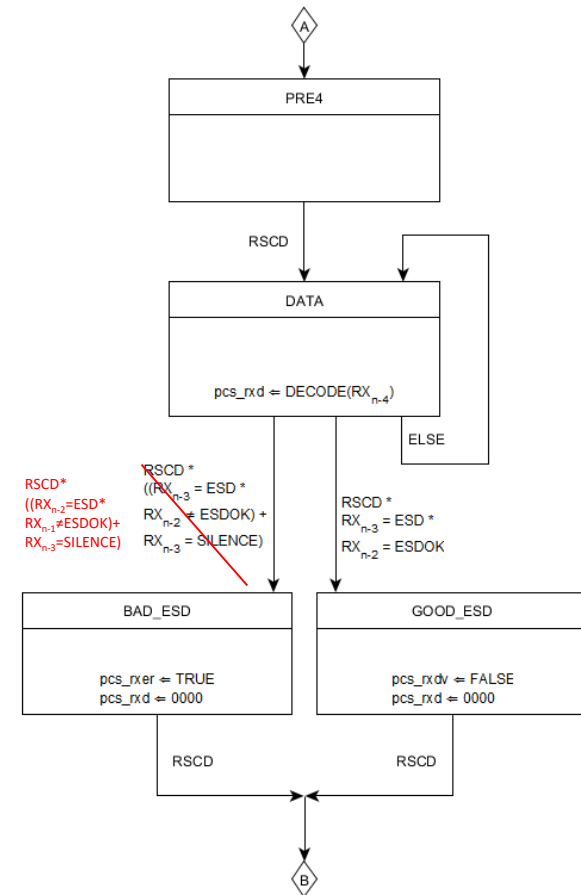
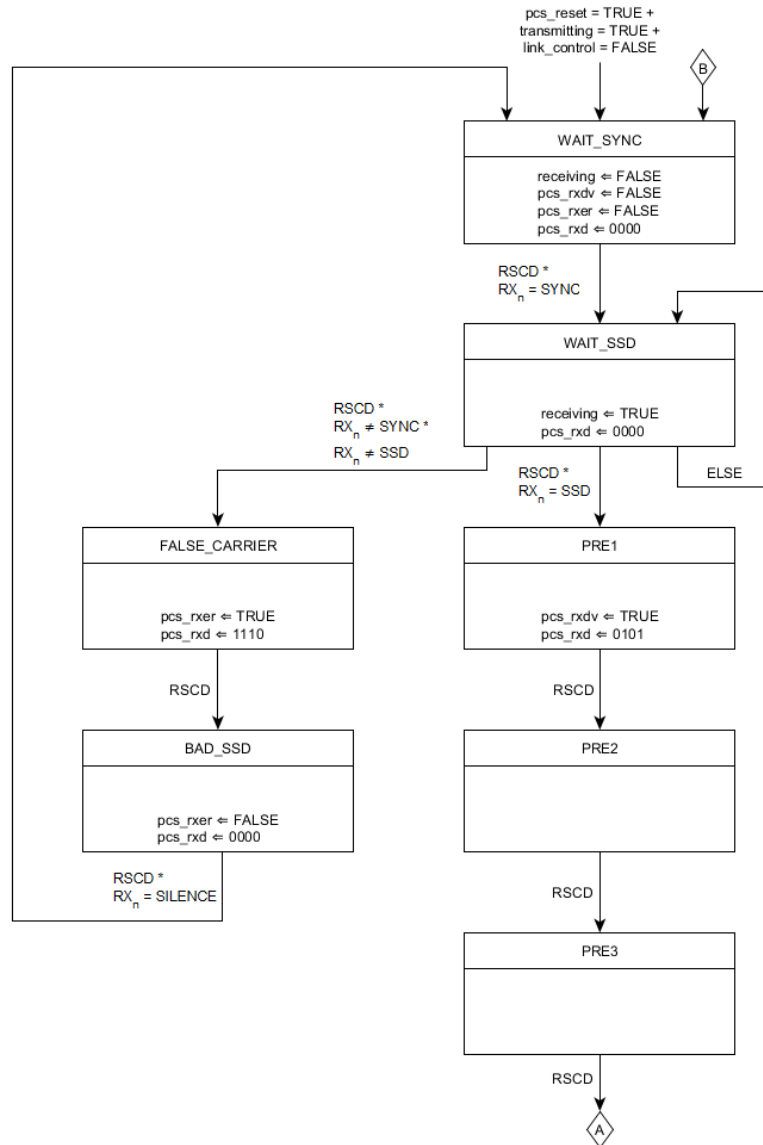


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IEEE802.3cg TF
TIS baseline amendments
November 22th, 2017



PCS Receive State Machine amendments



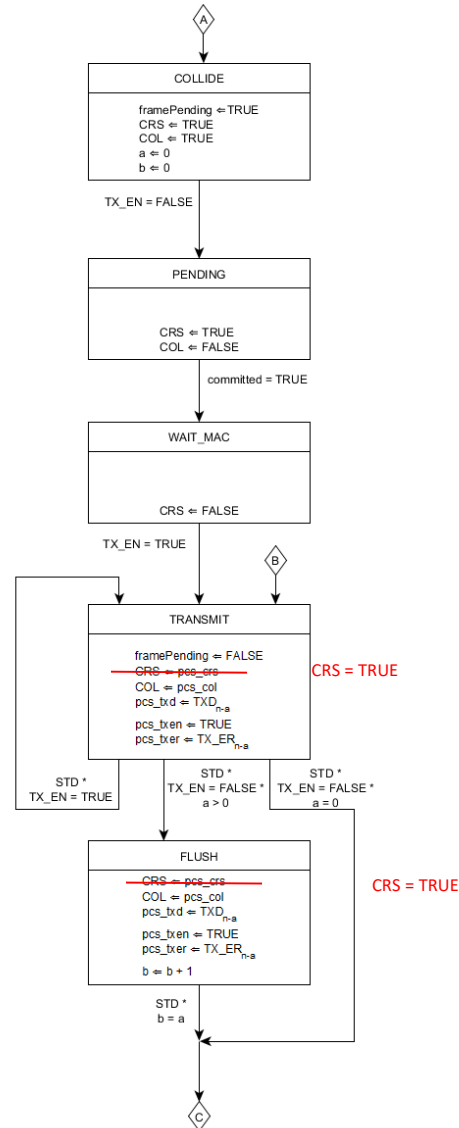
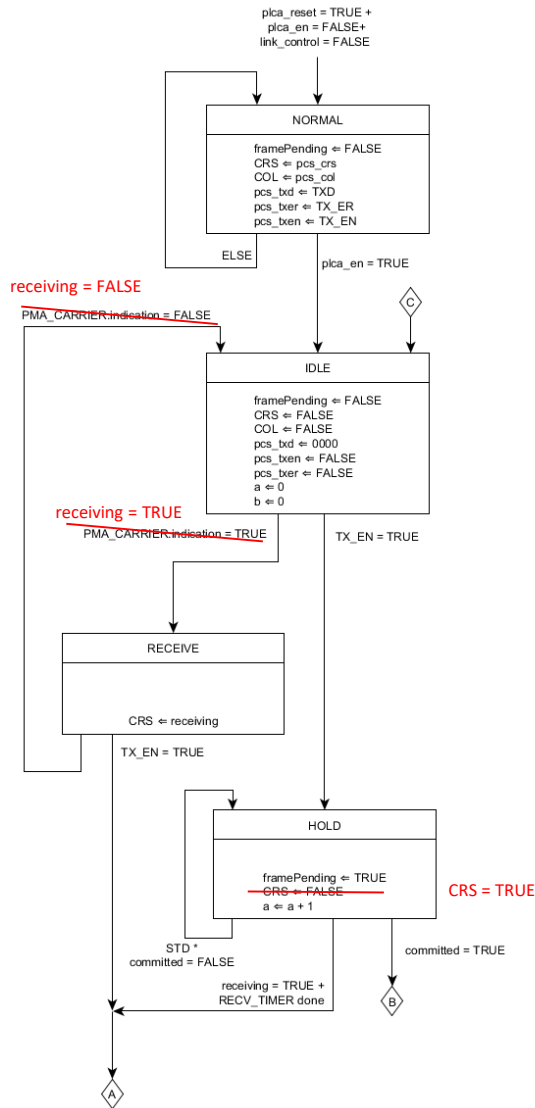


PCS Receive State Machine amendments rationale

Where	What	Why
DATA -> BAD_ESD	detection of ESDERR anticipated by 1 RSCD	RX_ER shall be generated on the last valid data nibble. Otherwise an alignment error (odd number of nibbles) is reported by the MAC.



PLCA DATA State Machine amendments





PLCA DATA State Machine amendments rationale

Where	What	Why
IDLE->RECEIVE RECEIVE->IDLE	state transition is triggered on “receiving”, instead of “PMA_CARRIER.Indication”	BEACON shall not trigger a state change
HOLD state	CRS = TRUE	CRS = FALSE might trigger aCarrierSenseErrors counting in MAC statistics (see 5.2.2) during logical collisions
TRANSMIT state	CRS = TRUE	CRS shall not be set to FALSE when entering TRANSMIT state from HOLD state
FLUSH state	CRS = TRUE	pcs_crs would be TRUE anyway

Thank You !