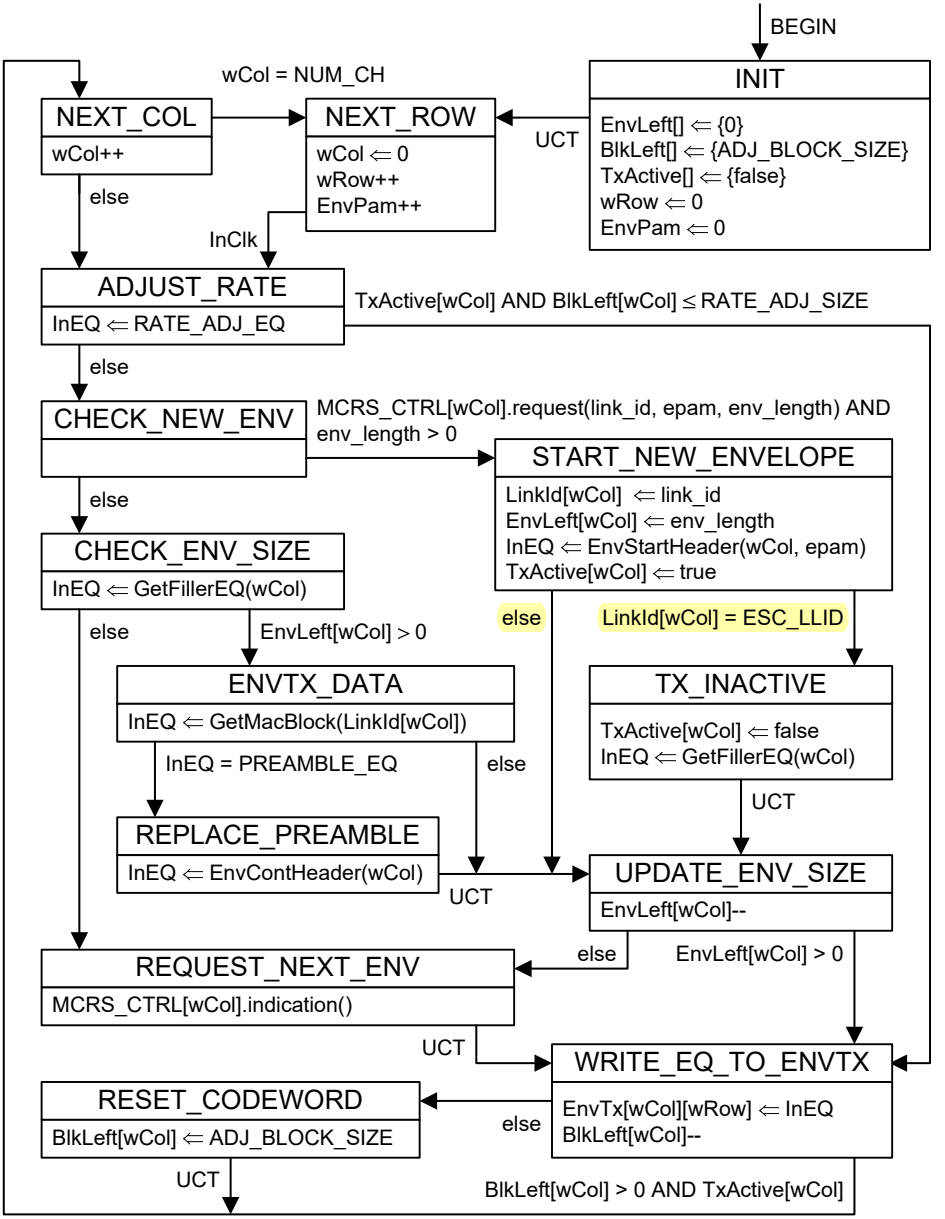
BEGIN
INIT
EnvLeft[] ⇐ {0}
BlkLeft[] ⇐ {ADJ_BLOCK_SIZE}
TxActive[] ⇐ {false}
wRow ⇐ 0
EnvPam ⇐ 0
UCT
NEXT_ROW
wCol ⇐ 0
wRow++
EnvPam++
wCol = NUM_CH
NEXT_COL
wCol++
else
InClk
ADJUST_RATE
InEQ ⇐ RATE_ADJ_EQ
TxActive[wCol] AND BlkLeft[wCol] ≤ RATE_ADJ_SIZE
else
CHECK_NEW_ENV
MCRS_CTRL[wCol].request(link_id, epam, env_length) AND env_length > 0
START_NEW_ENVELOPE
LinkId[wCol] ⇐ link_id
EnvLeft[wCol] ⇐ env_length
InEQ ⇐ EnvStartHeader(wCol, epam)
TxActive[wCol] ⇐ true
else
CHECK_ENV_SIZE
InEQ ⇐ GetFillerEQ(wCol)
else
EnvLeft[wCol] > 0
else
LinkId[wCol] = ESC_LLID
ENVTX_DATA
InEQ ⇐ GetMacBlock(LinkId[wCol])
TX_INACTIVE
TxActive[wCol] ⇐ false
InEQ ⇐ GetFillerEQ(wCol)
InEQ = PREAMBLE_EQ
else
UCT
REPLACE_PREAMBLE
InEQ ⇐ EnvContHeader(wCol)
UCT
UPDATE_ENV_SIZE
EnvLeft[wCol]--
else
EnvLeft[wCol] > 0
REQUEST_NEXT_ENV
MCRS_CTRL[wCol].indication()
UCT
WRITE_EQ_TO_ENVTX
EnvTx[wCol][wRow] ⇐ InEQ
BlkLeft[wCol]--
RESET_CODEWORD
BlkLeft[wCol] ⇐ ADJ_BLOCK_SIZE
else
UCT
BlkLeft[wCol] > 0 AND TxActive[wCol]