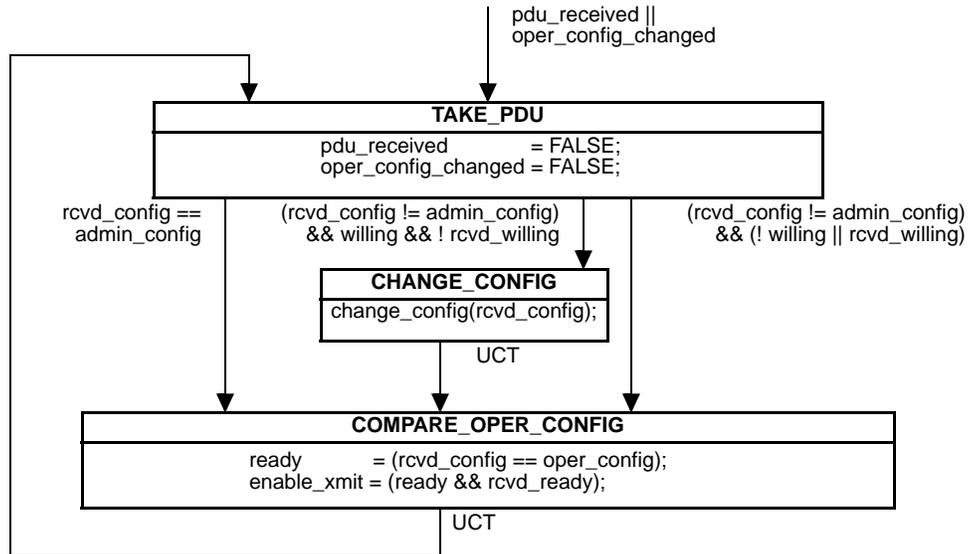


Per-priority state machine for LLDP TLVs for Congestion Notification



"ready" controls the defense mode. If ready, I allow traffic to enter on the CN Priority. If not ready, I don't allow traffic to enter.

enable_xmit controls the transmit mode. If enable_xmit, I emit frames on this CN Priority that have CN-tags. If not enable_xmit, I remove CN-tags before transmitting frames on this CN Priority.

(Obviously, if ready or enable_xmit change, then you have to change the corresponding defense mode or transmit configuration. If this takes time, then you need admin_ and oper_ versions of each, and a change in the oper_... version triggers this state machine. change_config() provides an example of how to do this.)

pdu_received is set whenever an LLDP is received with my PDU at my priority.

oper_config_changed is set whenever the operational configuration changes.

If change_config() takes no time, it doesn't set oper_config_changed. If it takes time, the state machine continues, and oper_config_changed will become true when the re-configuration finishes.

oper_config and ready are transmitted in the LLDP TLV. Whenever either one changes, LLDP switches to fast mode and transmits three PDUs at one per second.