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| IEEE 802.1 REVISION REQUEST 0127 |
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DATE: 10-04-2013
NAME: Ajith. Adapa
COMPANY/AFFILIATION: IPInfusion
E-MAIL: adapa.ajith@gmail.com

REQUESTED REVISION:
STANDARD: IEEE 802.1AB-2009
CLAUSE NUMBER: Section 9.2.7.12, 9.2.8, 9.2.10
CLAUSE TITLE: txInitializeLLDP, Transmit State Machine, Transmit timer state machine

RATIONALE FOR REVISION:

1. Refer Transmit State Machine (Section 9.2.8 Figure 9-1) and Transmit timer state machine (Section 9.2.10 Figure 9-3).

According to statemachines when adminStatus is disabled or enabledRxOnly then

As per the Transmit State Machine we trigger a shutdown frame and start txShutdownWhile timer with reinitDelay value. Once the timer expires we trigger TX_LLDP_INITIALIZE which initializes the LLDP.

As per the Transmit timer state machine we trigger TX_TIMER_INITIALIZE which turns off txShutdownWhile timer.

If we execute both the state machines one after the other we never use txShutdownWhile timer as we start and stop the timer immediately when adminStatus is changed to disabled or enabledRxOnly.

2. As per point (c) in txInitializeLLDP() (Section 9.2.7.12)

System default values are set for the following timing parameters:

- 1) reinitDelay (9.2.5.10)
- 2) msgTxHold (9.2.5.6)
- 3) msgTxInterval (9.2.5.7)
- 4) msgFastTx (9.2.5.5)

PROPOSED REVISION TEXT:

1. In case of adminStatus set as disabled or enabledRxOnly we have a new state called TX_TIMER_DISABLED.

TX_TIMER_DISABLED
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- a. Disable txTTR timer
- b. if txShutdownWhile timer is expired then trigger TX_TIMER_INITIALIZE.

2. The line "System default values are set for the following timing parameters:" should be replaced with "Appropriate values are set for the following timing parameters:"

IMPACT ON EXISTING NETWORKS:

<replace this text with a description of impact on existing networks>

maint_0127.txt

Please attach supporting material, if any
Submit to:- Tony Jeffree, Chair IEEE 802.1
and copy:- Glenn Parsons, Vice-Chair IEEE 802.1
E-Mail: stds-802-1-maint-req@ieee.org

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