DRAFT YANG FOR LLDP
P802.1ABCu

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INTRODUCTION

› Draft model follows IEEE Std 802.1AB-2016
› Configuration root
  - “/dot1q:bridges/dot1q:bridge”
› Run-State root
  - “/dot1q:bridges-state/dot1q:bridge”
› Grouping
› Use of Port
grouping:

lldp-cfg

- +--- message-fast-tx? uint32
- +--- message-tx-hold-multiplier? uint32
- +--- message-tx-interval? uint32
- +--- reinit-delay? uint32
- +--- tx-credit-max? uint32
- +--- tx-fast-init? uint32
- +--- notification-interval? uint32
PORT

› RW part: LLDP port-name refers to interface name with interface type restriction (MUST expression)
  − Different than Bridge port

› LLDP should be located on ETH physical port or LAG

› RO part: LLDP Port just refers to LLDP RW port instead of `interfaces-state/interface` or `interfaces/interface`, considering the same type restriction as RW.

• LLDP port type restriction
  
  ```yang
  must "deref().=./type = 'ianaift:ethernetCsmacd'"
  + " or deref().=./type = 'ianaift:ieee8023adLag'" {
      error-message
      "The LLDP is only configured on Link Aggregation and Ethernet Port."
  }
  ```

• Bridge port type restriction
  
  ```yang
  when "if:type = 'ianaif:bridge' or
   if:type = 'ianaif:ethernetCsmacd' or
   if:type = 'ianaif:ieee8023adLag' or
   if:type = 'ianaif:ilan' or
   if:type = 'ianaif:pip'" {
    description
    "Applies when a Bridge interface."
  }
  ```
DISCUSSION

› Model contains no TX or RX feature

› TX and RX can be dynamically configured on a port
  – Shouldn’t be statically defined using if-feature
NOTE: In Powerpoint double-click on the icon above

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