



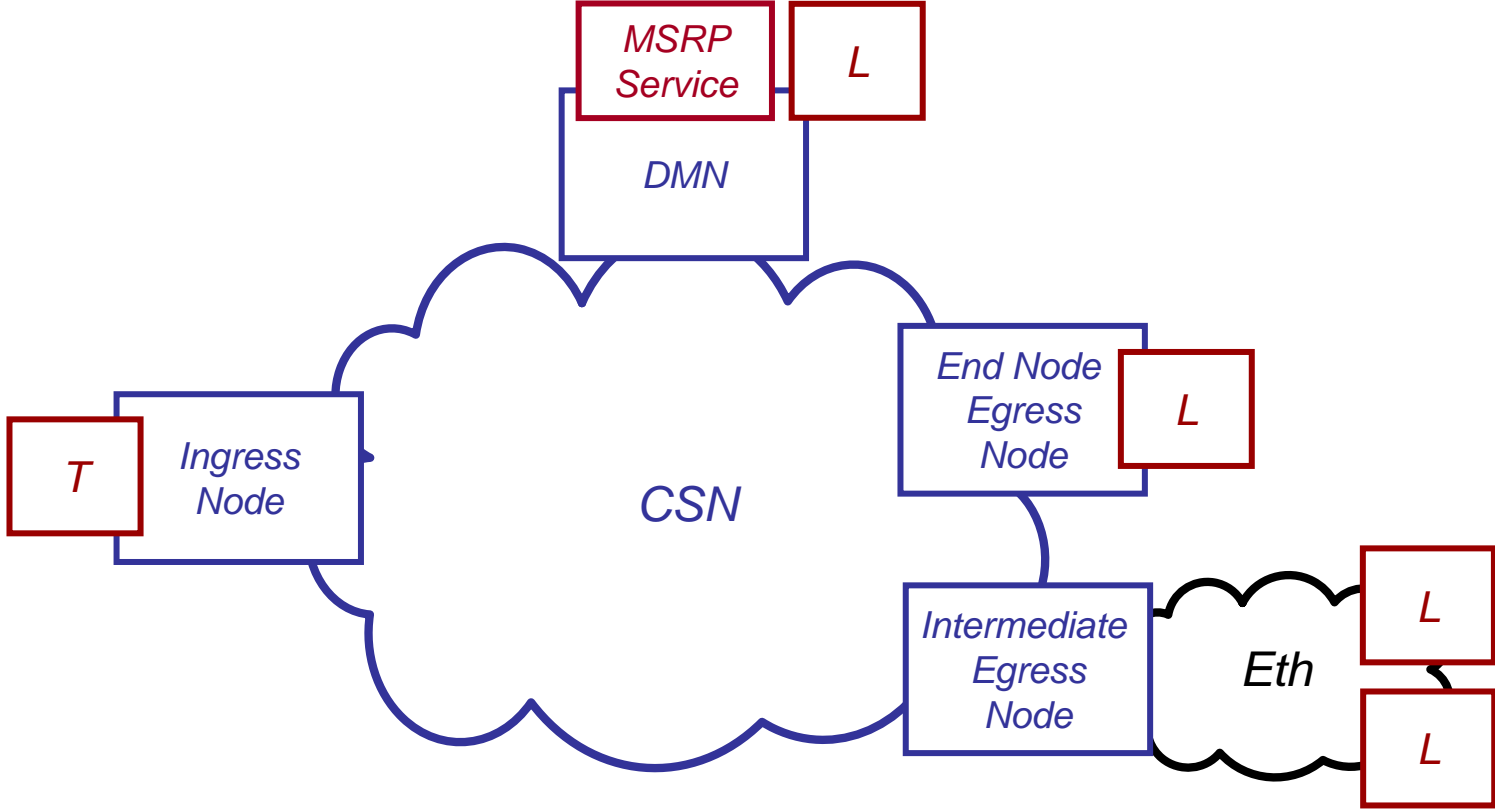
802.1Qat – MSRPDU Handling in CSN

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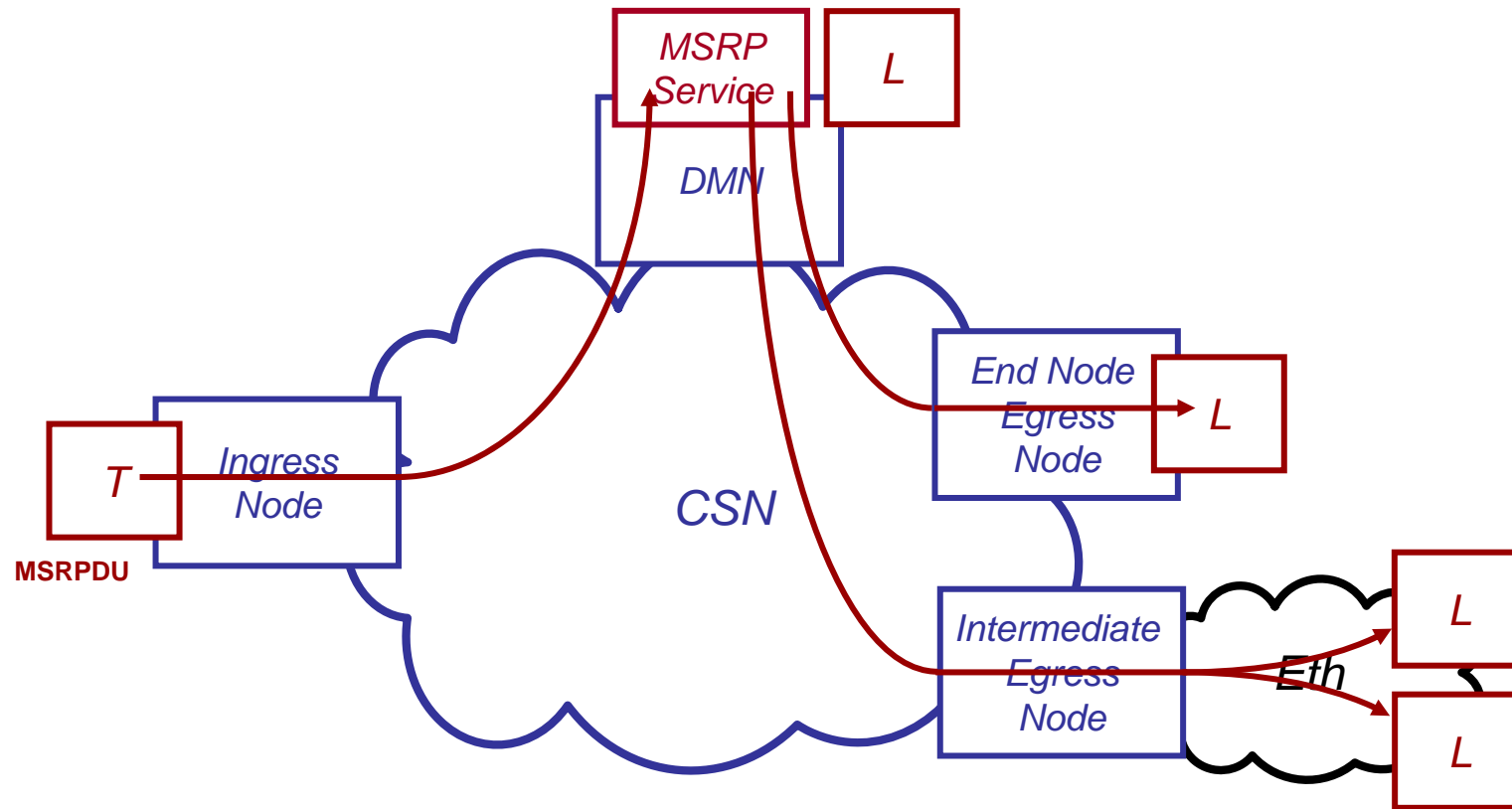
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at-phkl-csn-addr-1003-v02

The "Playground"

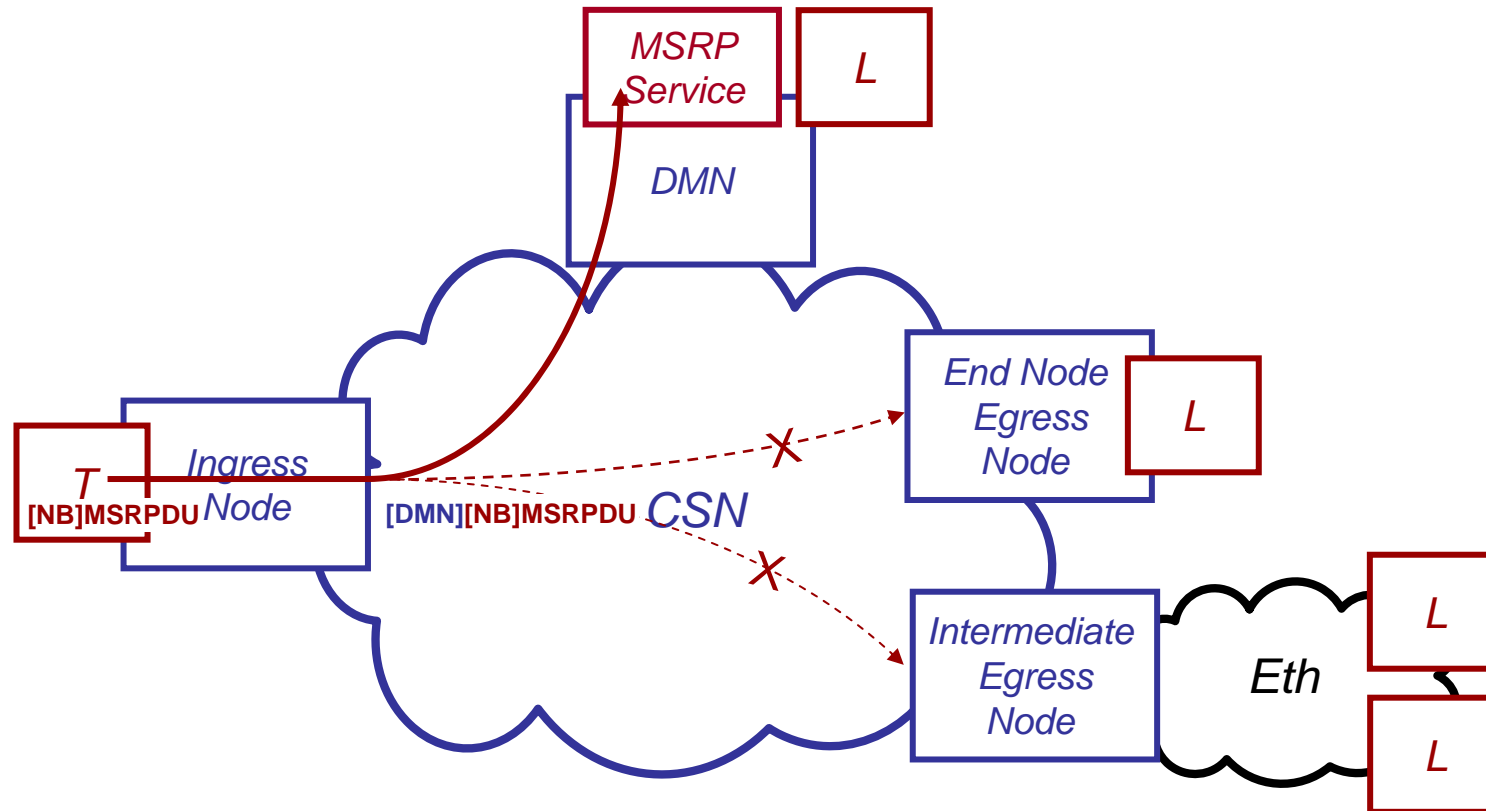


The DMN Scheme



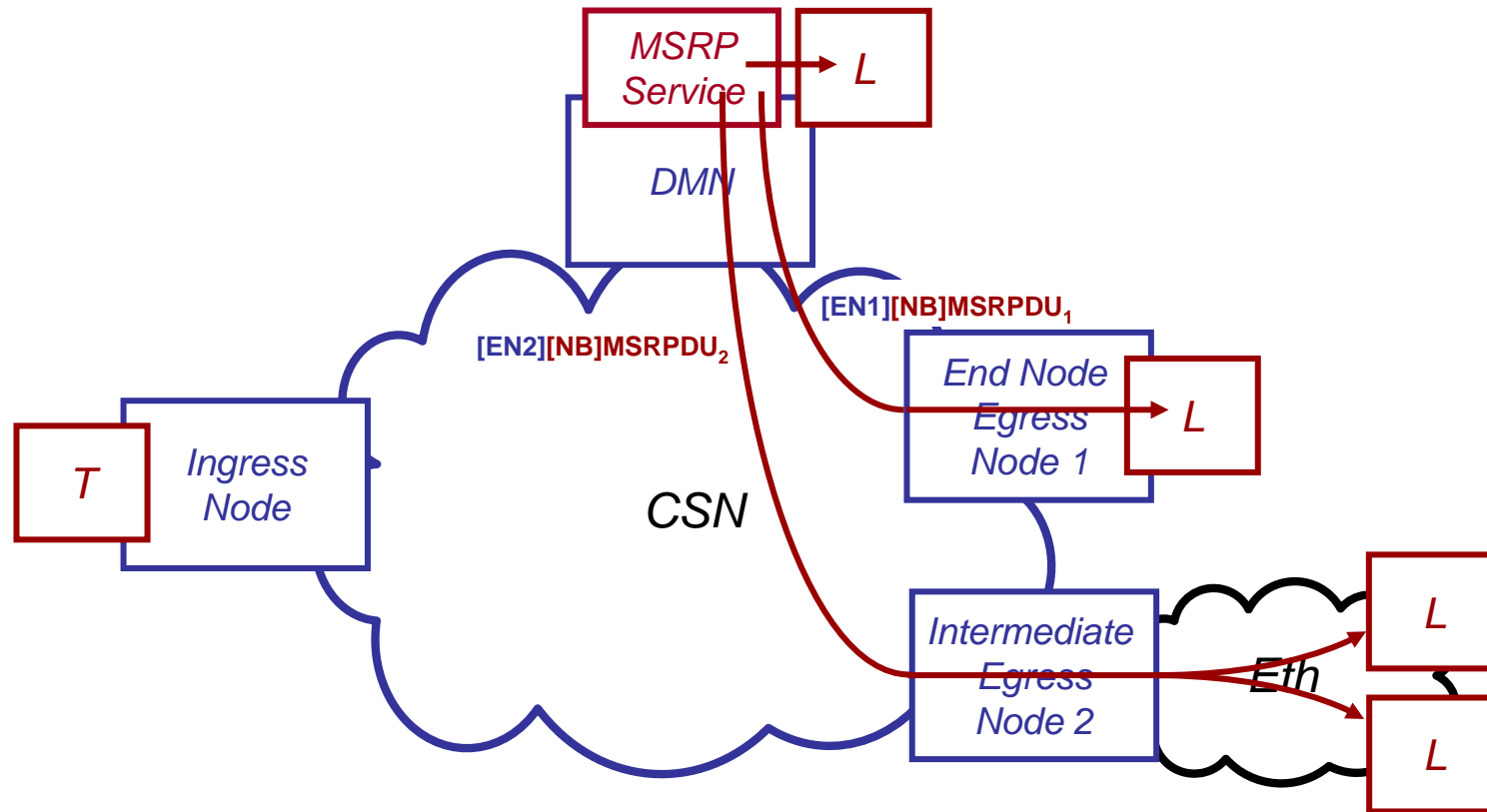
1. Ingress MSRPDU are transparently transported by the CSN to the MSRP Service
2. MSRP Service queries the BW of the different links of the CSN
3. MSRP Service forwards Talker Adv/Failed to each egress node based its link's BW resource

"Ingress" MSRPDU



- Ingress MSRPDU are classified by their Nearest Bridge (NB) group address [01-80-C2-00-00-0E] and their Ethertype [22-EA]
- MSRPDU should be CSN Unicasted to the DMN
- Other (non-MSRPDU) frames with NB group address could be flooded to the egress nodes

"Propagated" MSRPDU



- MSRP Service generated MSRPDU with NB DA [01-80-C2-00-00-0E] and Ethertype [22-EA] which should be individually transmitted to each egress node

MSRPDU Handling

- For MSRPDU, MAC to CSN Address are not resolved by the CSN node's address mapping as this is done for data frames but as follows:
 1. Ingress MSRPDU at the Ingress Node
 - Discriminated by their DA [Nearest Bridge group address: 01-80-C2-00-00-0E] & Ethertype [22-EA]
 - CSN Unicast addressed to the DMN (CSN frame's DA = DMN's CSN Individual Address)
 2. Egress MSRPDU at the DMN Node
 - MSRPDU are generated for each egress Node in function of the BW query response for this given link
 - MSRPDU's DA = [Nearest Bridge group address: 01-80-C2-00-00-0E] , Ethertype [22-EA]
 - MSRPDU Service indicates to which Egress Node the msg should be addressed (CSN frame's DA = Egress Node's CSN Individual Address)