Layer 2 Transport, lower cost forwarding among multiple Layer 2 protocols

Layer 2 Relay function, no Layer 3 routing or switching
Extension Needed for Layer 2 Relay
PPP (Layer 2) Relay to Ethernet (Layer 2)

- Relay between two different Layer 2

OAM issues (802.1ag)
- Individual SONET Path failure can be transformed to AIS at each VLAN
- AIS from each VLAN can be transformed into SONET path condition, such as UNEQ, Payload mismatch, etc.

No MAC address for the bridge facing PPP

More issues to be addressed:
- ARP mediation
  - IP address negotiation
- End to end flow control

Map each IP flow to a VLAN. The bridge is VLAN aware, but blind to MAC. There is no MAC address. There is no IP address. CE sees PE as its adjacency.