Two Port MAC Relay Scope

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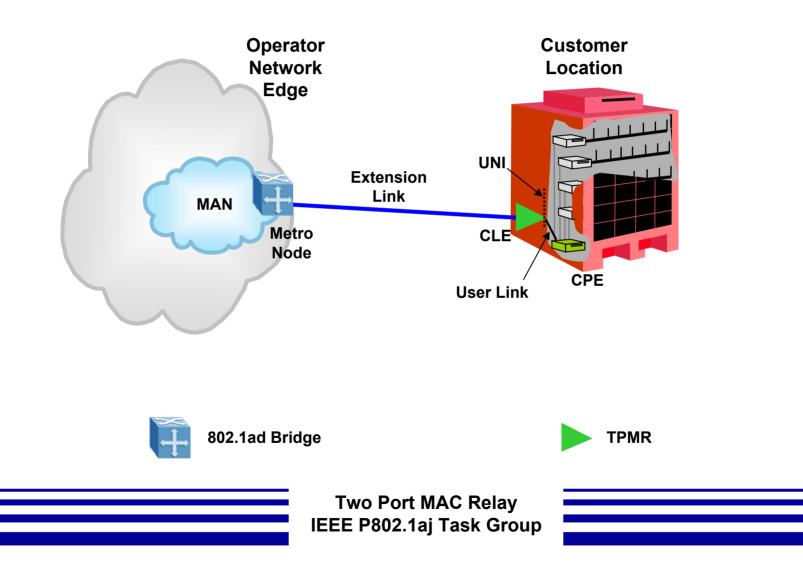
> Application Recap

Proposed (Minimal) Functionality

TPMR Model



TPMR Application Example



TPMR Functions: Forwarding

- > Port-based relay
- > Not VLAN-aware
- Simple port-based forwarding decisions
- ➢ No learning
- **>** Transparent to STP and GARP protocol families



TPMR Functions: Links

- > 802.3 media only
- Sub-rate support on User Link
- > 802.3x Pause support to:
 - send Pause request to CPE device, or CO device
 - respond to Pause request from CO device
- >Buffer management

TPMR Functions: Management

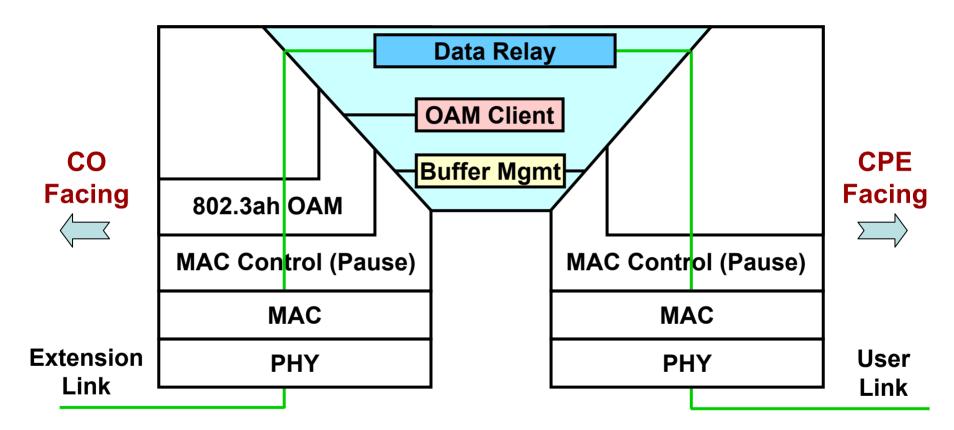
- > Powers up in active operational default state
- > 802.3ah OAM on Extension Link
- User Link port configured & monitored via single OAM Client and Extension Link 802.3ah OAM
- Simple Bridge Management subset via OAM Client
- > Optionally, 802.3ah OAM on User Link

TPMR Functions: Management (cont'd)

- Management translation back at Metro Node
- > No SNMP (or TL1)
- > No IP address



TPMR Model



> Managed entirely via 802.3ah OAM over Extension Link

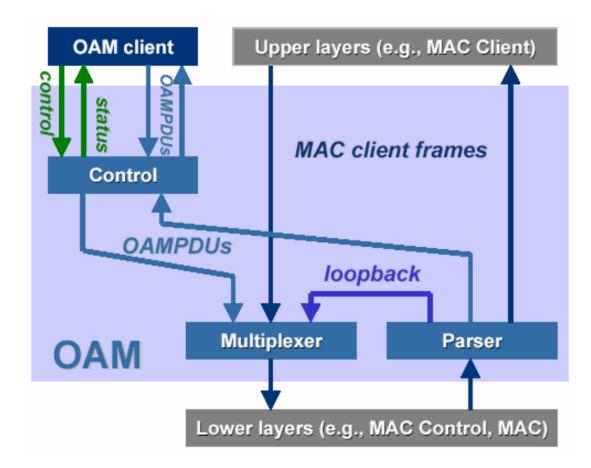
Capture this minimal functionality bookend in draft

Discuss fully-featured bookend functionality



Reference

802.3ah Clause 57 OAM Sublayer



OUI-Extensible 802.3ah OAM

> OAMPDU code 'FE'

Information OAMPDU TLV type 'FE'

Event Notification OAMPDU TLV type 'FE'