

LSOAPI : Phase 2

Scoping Considerations

Recommended In Scope

- E-LINE : add support for EVPL (single operator)
 - Recommend adding EVPL to help us solidify the structure of the ODL data model which may be more important at this point than getting all of the detailed ELINE MEF attributes modeled
- E-LAN (single operator)
 - Recommended because it will help us solidify the structure of the ODL data model (EVCPATH, etc.) which may be more important at this point than getting all of the detailed ELINE MEF attributes modeled
 - Would requires up to support VLANs (VLAN ID is how frames are mapped to specific EVCs)

Recommended Out of Scope

- E-TREE
- Multi-operator services

Recommended In Scope

- VLAN Support
 - VLAN mapping attributes will have to be further fleshed out in our current model
 - Would have to decide whether or not to support CoS per VLAN

Recommended Out of Scope

- Support for LAN packet priority tagging (PCP, DSCP)
- CoS and Bandwidth Profile per PCP / DSCP

Recommended In Scope

- CoS Per Service
 - Analogous to saying “CoS” per EVC (I think)
 - This implies that CoS per VLAN, PCP, and DSCP not supported
 - This is what is modeled today
- CoS for L2CP and SOAM frames
 - Not sure how important it is to support these?

Recommended Out Of Scope

- Deep coverage of CoS Parameters
- CoS per PCP Code / DSCP Value / LAN

Recommended In Scope

- Ingress Bandwidth Profiles at a Service Level
 - Analogous to saying Bandwidth Profile per EVC (I think)

Recommended Out Of Scope

- Token Sharing (multiple BW Flow Profiles per BW Envelope)
- Egress BW Profiles
- Support for Packet Coloring

Recommended Additions for Phase 2

- EVPL Support
- E-LAN Support
- VLAN Support (required to enable EVPL)
- Bandwidth Profiles at the service level and for L2CP and SOAM frames

What this leaves for future releases

- Bandwidth Profiles and CoS, applied at the PCP / DSCP Level
- Deep coverage of CoS parameters
- Token Sharing (multiple Bandwidth Profile Flows per Envelope)
- Frame Coloring
- E-TREE service
- Multi-operator service