MEF and L2SM

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Relevant on-going MEF Work

* LSO Reference Architecture
* Carrier Ethernet Services Management Information Model
    * Final Letter Ballot
    * Published as MEF 7.3 (January 2017).
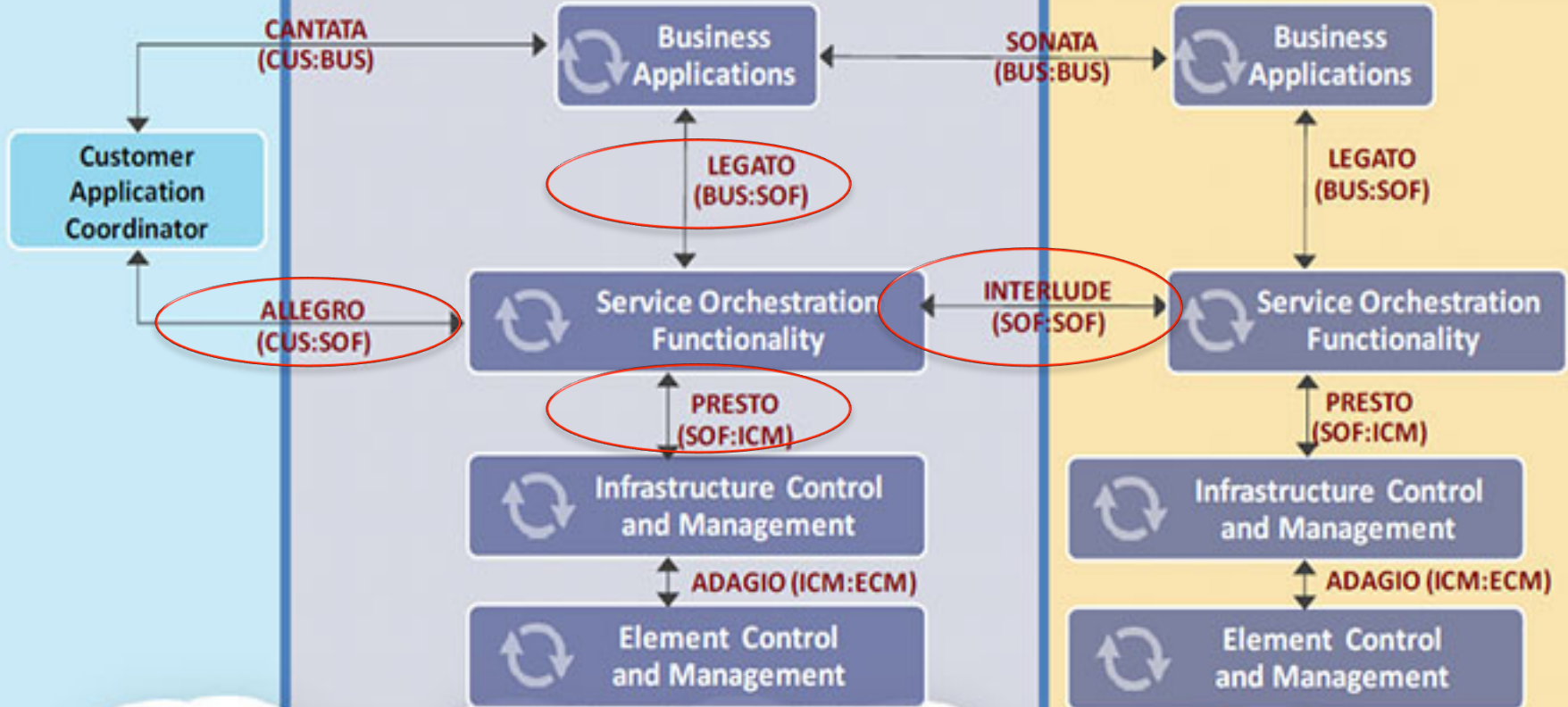* YANG Models for MEF Services

How to access MEF work

* Find on-going work that was liaised here…
    * https://mef.net/liaison-login
    * Username: mef
    * Password: M3F3030
    * The MEF meets next in Los Angeles, CA, USA on Jan 23-26, 2016.

MEF LSO REFERENCE ARCHITECTURE

LSO Requirements for Legato

* Decompose customer order into one or more service provisioning activities
* Activities are assigned, managed and tracked
* Ensure that the customer order is complete
* Orchestrate multiple activities
    * Billing
    * Delivery of CPE device etc.

Terminology

* Agree on a given set of terminology
* Service Provider

  IETF - "The organization responsible for operating the network that offers VPN services to clients and customers."

  MEF- SP provides an end-to-end service to an end user (Subscriber). Operator provides a service to a SP or another Operator.

* Subscriber, Provider, EVC, UNI, Operator, OVC etc.

Service Model Coverage

* Subscriber or Operator Services or both
* Customer orders products not services
* Order includes
  * Services
  * Pricing
  * Invoicing
  * SLA agreement and penalties
* Does not include technology or protocols

What has MEF defined?

* Carrier Ethernet Services
    * EVC Based Services (MEF 6.2)
    * Ethernet Service Attributes (MEF 10.3)
    * Operator Service Attributes (MEF 26.2)
    * Operator Virtual Connections Based Services (MEF 51)
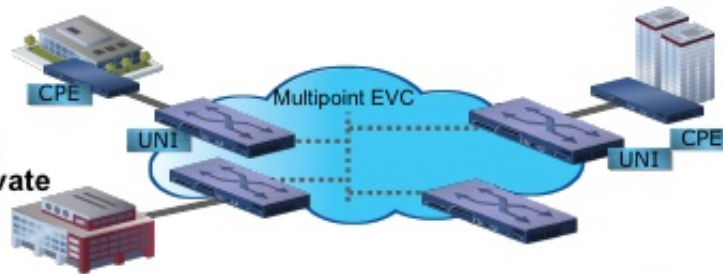
CE Services (MEF 10.3)

E-LINE
EPL: Private Line
EVPL: Virtual Private Line
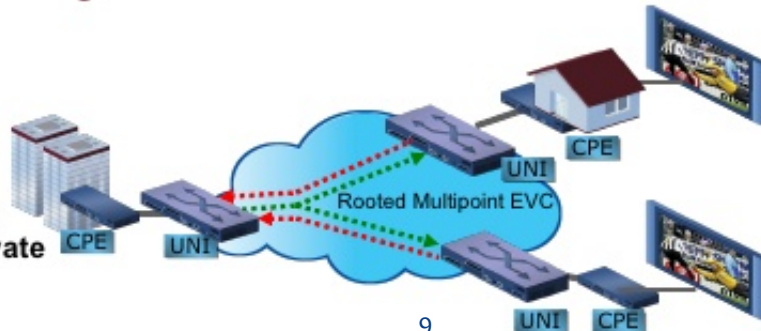
Point to Point
Site2Site L2 VPNs

E-LAN
EP-LAN: Private LAN
EVP-LAN: Virtual Private LAN

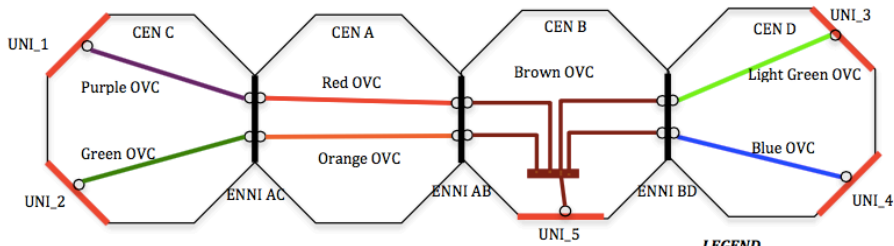**Multi-Point to Multi-Point**
Multi-Site L2 VPNs
Transparent LANs

E-TREE
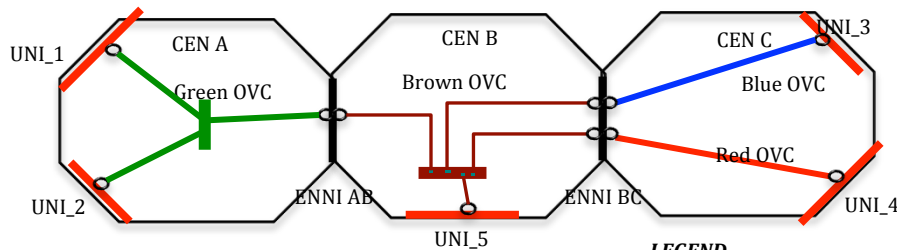EP-Tree: Private Tree
EVP-Tree: Virtual Private Tree

Point to Multi-Point
Broadcasting Services
Triple Play backhaul
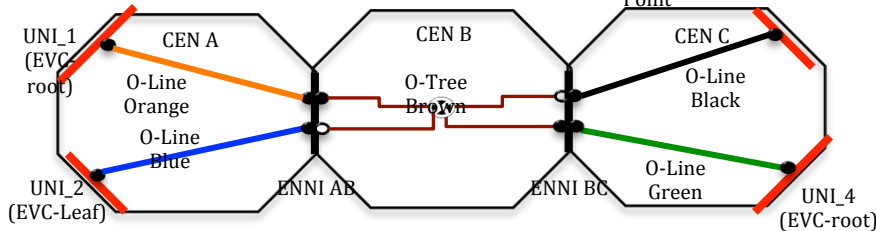Mobile backhaul

OVC Services (MEF 51)

O-Line

O-LAN

O-Tree

Way forward

* Agree on terminology
* Cross Reference Documents
* Augment rather than duplicate

Q&A