

IEEE 802.1 YANG Liaison Summary and Proposed Responses

802.1WG
09-13 Nov 2015

YANG Related Liaison Letters

1. [LS 284] LS on discussion on communication from IEEE1588 on IEEE 1588 YANG models

- Summary
 - Creation of an informal group (by P1588 [co-chair]) to coordinate the development of a single general purpose PTP YANG data model
 - IEEE 802.1 TSN group participation requested
 - Keep ITU-T Q13/15 involved during collaborative PTP YANG model development
- Response
 - I don't believe a [formal] response is necessary

2. [LS 292] LS on protocol-specific data modelling work

- Summary
 - ITU-T Q14/15 has initiated work on protocol-specific data modelling for the management of transport specific technologies, such as OTN, Carrier Ethernet and MPLS-TP
 - Protocol-specific data models will be developed based on the protocol-neutral UML models that are specified by Q14/15, including ITU T G.7711/Y.1702 (generic information model), ITU-T G.874.1 for OTN, ITU T G.8052/Y.1346 for Carrier Ethernet, and ITU T G.8152/Y.1375 (draft) for MPLS-TP
 - ITU-T SG15 will be progressing the YANG modeling of G.8032 (Ethernet Ring Protection Switching)

- Response
 - May be useful to keep abreast of ITU's progress for this protocol
 - Aspects of a ring node are largely based upon 802.1Q bridge functions
 - There may exist a general concern over overlap and/or accuracy of ITU-T G.8052/Y.1346 for Carrier Ethernet model of entities already defined and model in IEEE 802.1
 - May want to create a liaison response indicating that YANG models defined for IEEE 802 entities shall use the management model defined in IEEE 802 specifications

YANG Related Liaison Letters

- Example Liaison Response Text

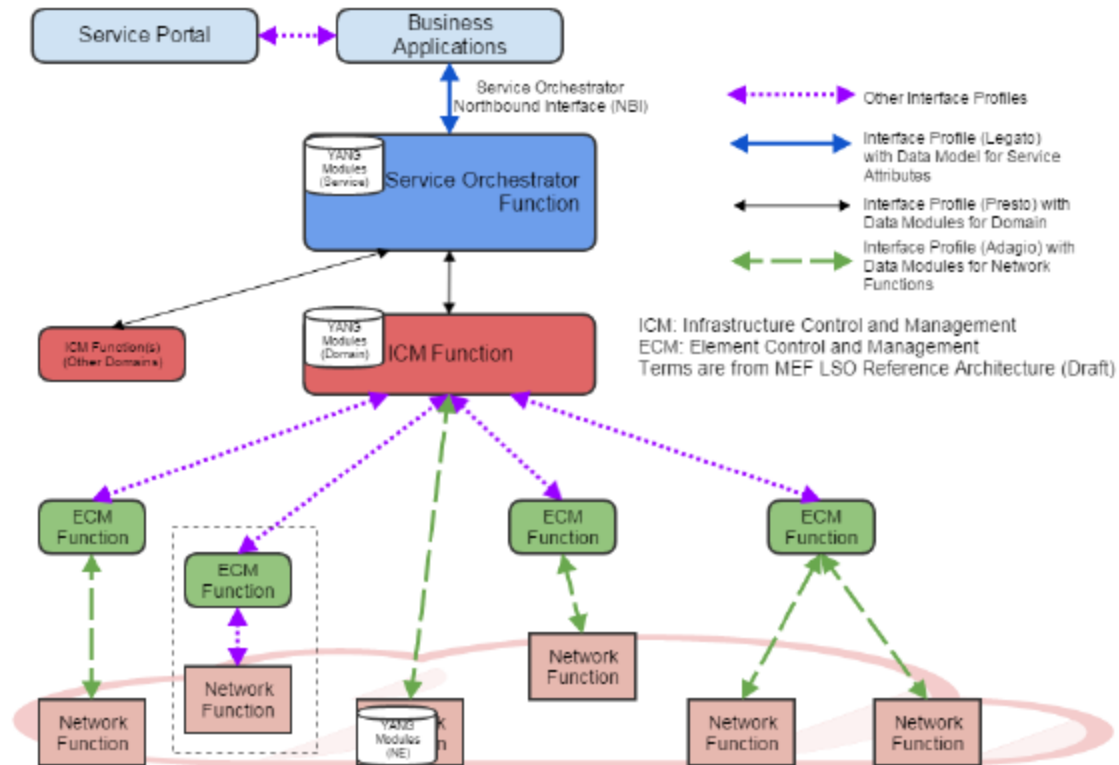
Thank you for your liaison COM 15 – LS 292. We acknowledge your work on protocol-specific data modeling for the management of transport specific technologies and progressing the development the G.8032 (Ethernet Ring Protection Switching) YANG data model.

When YANG models of IEEE 802 defined entities (e.g., VLANs, 802,1Q bridging components, etc.) that are used by transport specific technologies (e.g., Carrier Ethernet) are required, YANG models defined by IEEE 802 and/or YANG models based upon the management model defined by IEEE 802 should be used.

YANG Related Liaison Letters

3. [LS 284] Liaison on MEF YANG Service models

- Summary
 - MEF Project “YANG Modules for MEF Services” scope refined
 - Support of EVC, OVC, UNI and ENNI service related attributes
 - However, specifically for interface between the “business applications” and the “Service Orchestrator” function



YANG Related Liaison Letters



- Response
 - I don't believe a [formal] response is necessary
 - I believe from an IEEE perspective, we are more concerned with YANG modeling at the "Network Function" and not at the higher layer that this MEF project is focusing on

