Title: Liaison response to Broadband Forum Liaison 121
From: IEEE 802.1
For: Action
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To: Broadband Forum
Michael Fargano, Broadband Forum Technical Committee Chair
Joey Boyd, Work Area Co-Director, Common YANG
Date: March 9, 2018

Thank you for your LIAISE-121 liaison, dated January 18, 2018, and for honoring our previous request to reprioritize the publication of your CFM OAM YANG model. We will strive to advance our work to a sufficiently mature stage by the end of 2018.

Per your former request for us to provide BBF with a first draft of our P802.1Qcx YANG model, we are enclosing the initial P802.1Qcx draft 0.1 and request that it be stored for BBF use with password-protected access. Please be aware that this draft has not been balloted yet and is subject to modification prior to initial P802.1Qcx balloting. For example, we intend to update the relationships of the different objects in the UML information models of draft 0.1 based on recent developments. We are also proactively updating our model on GitHub (https://github.com/YangModels/yang/blob/master/standard/ieee/802.1/draft/ieee802-dot1q-cfm.yang) so that BBF and our other partner organizations in this effort always have access to the most recent model.

We are developing P802.1Qcx in collaboration with ITU-T Q14/15 to ensure that P802.1Qcx constitutes the CFM base of the G.8052.1 model that is covering Y.1731 functionality beyond that specified by 802.1Q CFM. As part of this collaboration, conference calls will be held every third Monday of the month (detailed scheduled: http://www.itu.int/net/ITU-T/lists/rgm.aspx?Group=15&Q=14&From=2018-02-09&To=2018-10-19). We believe that BBF participation on these calls would help in ensuring that P802.1Qcx meets BBF requirements regarding:

- Aspects that are out of P802.1Qcx scope but not necessarily out of G.8052.1 scope (for example, measurement bins and measurement bin profiles, support for proactive or on-demand PM sessions);
- Aspects omitted in the BBF draft model due to dependency on the "L2 forwarding layer" or on "alarm management"; and
- Aspects related to your items for further study (for example, ETH-AIS), except for implicit MIP creation, which P802.1Qcx will cover.

Regarding MIP creation, IEEE Std 802.1Q specifies implicit MIP creation, and we intend for the information and data models in P802.1Qcx to support it; however, we do recognize the applicability of explicit MIP creation in other organizations and are considering developing these P802.1Qcx models so that they can also support explicit MIP creation. In this context, we would need to understand what is the exhaustive list of state information that BBF assumes for MIPs and if BBF MIBs exist that support explicit MIP creation and are based on IEEE Std 802.1Q MIBs.

Besides the absence of support for explicit MIP creation, we believe BBF concerns with the MEF SOAM YANG model would be addressed by:

- Our intent to allow selective support of specific features using YANG feature statements; and
- Structuring of the P802.1Qcx YANG model such that the CFM-related data objects reference a Bridge and/or Bridge Component. Since this is a reference (versus a strict P802.1Qcp Bridge object augmentation), we anticipate that this model can be used by data models other than those in P802.1Qcp (e.g., BBF's Layer 2 forwarding YANG model).

Section 7 of BBF TR-101 and section 13 of BBF TR-201i2 are given as examples in your liaison but we would be interested in access to a complete set of BBF technical reports or other BBF documents that would help us understand the BBF model on which your draft *Ethernet Service Layer OAM Management* YANG Model is based.

We would be grateful for your input on the above and for any comments you may have on the enclosed draft in time for our next meetings.

IEEE 802.1 meets next as follows:

- Interim meeting in Pittsburgh, PA, USA, 21-25 May 2018; and
- Plenary meeting in San Diego, CA, USA, 9-13 July 2018.

Respectfully submitted,
Glenn Parsons
Chair, IEEE 802.1 WG