Title:	Liaison response to ITU-T SG15 LS-80
From:	IEEE 802.1
For:	Action
Contacts:	Glenn Parsons, Chair, IEEE 802.1, glenn.parsons@ericsson.com
	John Messenger, Vice-Chair, IEEE 802.1 Working Group, jmessenger@advaoptical.com
To:	ITU-T Study Group 15 (tsbsg15@itu.int)
	Hing-Kam Lam (Rapporteur Q14/15)
	Scott Mansfield (Associate Rapporteur Q14/15)
Date:	March 9, 2018

Thank you for your liaison SG15–LS80.

We would like to inform you that IEEE 802.1 has formally started a project related to YANG modeling for Connectivity Fault Management (CFM):

- P802.1Qcx *Standard for Local and metropolitan area networks —Bridges and Bridged Networks Amendment: YANG Data Model for Connectivity Fault Management*

The most recent draft of P802.1Qcx *YANG Data Model for Connectivity Fault Management* (draft 0.1) is attached for your comments. The IEEE 802.1 Working Group will continue to refine and iterate this model throughout the life cycle of this project.

It is the intent of IEEE 802.1 to fully specify the necessary objects as well as base functionality in this YANG data model, that conforms to the managed objects specified in clause 12.14 "CFM entities" of P802.1Q-Rev draft 2.2. It is also our intention to work collaboratively with the Q14/15 group to develop this YANG data model such that the G.8052.1 YANG data model for Y.1731 Ethernet OAM can be aligned.

As such, we would like to continue collaborating with Q14/15 to define our YANG data model that would facilitate the Maintenance Domain (MD) object indexing to support Q14/15 G.8052.1 YANG modeling requirements.

The current P802.1Qcx YANG model associates the Maintenance Domain (MD) list, Configuration Error List, and CFM Stack objects to a Bridge via a reference versus a strict 802.1Qcp Bridge YANG object augmentation. The Default MD Level object also references (versus augments) a given Bridge Component. The Maintenance Domain list object contains a list of Maintenance Association (MA) objects which contains a list of Maintenance Association Endpoints (MEPs), etc.

For your reference, you can find the most recent P802.1Qcp YANG modules in GitHub at https://github.com/YangModels/yang/tree/master/standard/ieee/802.1/draft.

To assist in relating ITU-T G.8051 management objects to P802.1Qcx YANG model objects, you will find that CCM configuration information is spread across the MD list object and contained sub-objects (e.g., MAs and MEPs), and the MEP CCM Database object. The Loopback configuration information is predominantly found within the MEP object. The Linktrace information can be found within the MEP and Linktrace Reply objects.

We look forward to continued collaboration.

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