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STUDY PERIOD 2017-2020

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STUDY GROUP 15

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Question(s):	9, 10, 14	Geneva, 19-30 June 2017

Ref. SG15-TD29R1/PLEN Annex I

Source:	ITU-T Study Group 15
Title:	LS/r Coordination on YANG data models for SOAM and CFM (reply to MEF-LS109 (TD28-WP3) and IEEE 802.1-oLS34 (TD104-WP3))

LIAISON STATEMENT

For action to:	**IEEE 802.1, MEF Forum**
For comment to:	
For information to:	**BBF, IETF Ops Area, ONF IMP**
Approval:	**ITU-T SG15 meeting (Geneva, 30 June 2017)**
Deadline:	**12 September 2017**
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ITU-T Study Group 15 would like to thank IEEE 802.1 and MEF for the responses to our April 2017 liaison regarding YANG for OAM tools (referenced as SG15-LS19 (TD24-WP3)) and the acceptance that each organization should define YANG modules according to the way the OpCodes are allocated.

The Study Group 15 Plenary Meeting held 19-30 June 2017 approved a new Q14/15 work item targeting a new Recommendation G.8052.1 "*Transport OAM Management Information/Data Models for Transport Ethernet Network Element*".

This new Recommendation will specify the management information models and data models for the transport Ethernet Network Element (NE) to support specific interface protocols and specific Management Control Continuum (MCC) functions. The information models will be interface protocol neutral and will be derived through pruning and refactoring from the G.7711 core information model and G.8052 foundation transport Ethernet NE information model. The data models will be interface protocol-specific and will be translated from these information models with the

assistance of automated translation tooling. The specific interface protocols considered include, but are not limited to, NETCONF/YANG. The specific MCC functions covered by this Recommendation are the G.8013/Y.1731-specified OAM.

The initial deliverable of this new Recommendation G.8052.1 will be an UML OAM model (pruned/refactored from G.8052 and supporting the G.8013/Y.1731-defined OpCodes) and its translation as a YANG module. This deliverable is currently targeted for 10/2018.

In the development of this deliverable, Q14/15 will take as input for consideration IEEE P802.1Qcx "*YANG Data Model for Connectivity Fault Management*" work as well as MEF 38 and 39 and the errata that MEF identified. We will keep you appraised of our progress and will also appreciate continuous sharing of information from MEF and IEEE 802.1.

Q14/15 understands that IEEE 802.1 will be meeting in Geneva the week before the next Study Group 15 Plenary (January 2018). This provides an opportunity to meet jointly to discuss the alignment of the ITU-T G.8013/Y.1731 OAM YANG and IEEE 802.1Q CFM YANG.

The next meetings of Q14/15 are

- Joint Q12/15 and Q14/15 Interim Meeting, 18-22 September 2017 in Ottawa, Canada
- Q14/15 Interim Meeting, 4-8 December 2017 in Europe

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