INTERNATIONAL TELECOMMUNICATION UNION

TELECOMMUNICATION STANDARDIZATION SECTOR

STUDY PERIOD 2017-2020

SG15-LS103

STUDY GROUP 15

Original: English

Question(s):	14/15	Geneva, 29 January - 9 February 2018

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Ref.: SG15-TD144/PLEN-Annex D

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Source:	ITU-T Study Group 15
Title:	LS/r Coordination of IM & DM for OAM (reply to IEEE 802.3 – LS61)

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LIAISON STATEMENT

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For action to:	IEEE 802.1, IEEE 802.3, BBF, The MEF Forum, ONF, IETF NETMOD WG	
For comment to:		
For information to:		
Approval:	ITU-T SG 15 meeting (9 February 2018)	
Deadline:	17 September 2018	
Contact:	Hing-Kam Lam Rapporteur Q14/15	Tel: +1 732-275-4646 Email: kamlam@fiberhome.com
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Following up on the very successful information exchange and coordination related to information modelling during the "Joint IEEE 802 and ITU-T Study Group 15 workshop "Building Tomorrow's Networks" held in Geneva, 27 January 2018" and the "ITU-T Q14/15 Rapporteur Group Meeting held in Geneva, 28 January 2018", Q14/15 would like to invite experts to monthly conference calls to discuss and share modelling experiences.

Focusing initially on ensuring interoperability of the YANG supporting OAM topics including IEEE 802.1 CFM, IEEE 802.3 Link OAM, and ITU-T G.8013/Y.1731 Performance Monitoring. As the network management protocols evolve from SNMP, there are several new protocols to consider. Q14/15 looks at modelling in a network management protocol independent way that can aid in future-proofing transport network equipment management. The conversion of UML (Information Model) to YANG is supported by an open-source tool that is driven by mapping rules derived from work in the ITU-T, MEF, and ONF. Ensuring the YANG produced to support OAM functionality interoperates as seamlessly as possible is one of the goals of this collaboration. It is important that the YANG written by IEEE 802.1 for CFM can be leveraged by the ITU-T YANG written for G.8013/Y.1731 because they share common components. MEF has Service OAM specifications that may want to utilize the IEEE and ITU-T work for both fault management and performance monitoring. The BBF has a large repository of YANG and experience in writing YANG for access equipment. The ONF brings expertise on information modelling and tooling. The IETF is where NETCONF and YANG were produced, and the IETF has many YANG models that form the basis of a network management solution.

Q14/15 would like to invite you to join a monthly conference call occurring on the third Monday of every month beginning March 19, 2018 at 14:00 – 15:00 Geneva Time. The logistics will be posted on the SG15 web page at: https://www.itu.int/net/ITU-T/lists/rgm.aspx?Group=15&type=interim

Thank you for your assistance in creating an energetic community around the information and data modelling to provide coordinated YANG standards.

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