Question(s):	13/15	Geneva, 8-19 October 2018

LS

Source:	ITU-T Study Group 15
Title:	Updates on the work on time synchronization and enhanced synchronous Ethernet

LIAISON STATEMENT

For action to:	-
For comment to:	-
For information to:	IEEE 802.1, MEF Forum, CPRI cooperation
Approval:	ITU-T SG15 (Geneva, 19 October 2018)
Deadline:	-

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Keywords: Time synchronization

Q13/15 met during the 08-19 October 2018 SG15 Plenary held in Geneva.

We received updates from the liaison Rapporteurs on the respective work ongoing on synchronization in the MEF and IEEE 802.1 groups. This was considered of interest to us.

In particular, as related to the need of IEEE 802.1 to address standards development in the area of synchronization and syntonization, we would like to provide some updates on the work on time synchronization and enhanced synchronous Ethernet done at this meeting. We believe that this also can be of interest to MEF e.g., for the work on Transport services for Mobile Networks, and to CPRI TWG.

Among the documents that have been consented at this meeting we would like to highlight the following ones:

• TD 235/P (G.8260 Amd2): This amendment provides the definition of relative time error

• TD 239/P (G.8262 Rev): this revision provides some updates on the specification of the synchronous equipment clock (including the synchronous Ethernet Equipment clock).

• TD 297/P (G.8272 Rev): this revision of G.8272 provides the specification of a new PRTC type (PRTC-B).

• TD 240/P (G.8273.2 Amd2): this amendment provides the specification of new clock types; among these, the new clock class C, which is expected to meet the needs of IEEE 802.1CM.

•   TD 238/P (G.8262.1): this new Recommendation provides the specification of the enhanced synchronous equipment clock (including the enhanced synchronous Ethernet Equipment clock).

•   TD 236/P (G.8271 Amd2): this amendment provides an updated list of the relevant synchronization requirements, e.g., as recently specified by 3GPP for 5G, including requirements applicable to fronthaul. Information on their interpretation and application is also provided.

•   TD 237/P (G.8271.2 Amd2): this amendment provides some updates on the scenarios applicable to the partial timing support methodology.

Q13/15 also takes the opportunity to inform you that work is ongoing on specifying synchronization guidelines specifically applicable to fronthaul. This work is being included in G.8271.1. Completion of the work on the Amendment to G.8271.1, including these updates, is planned for July 2019.

We look forward to a continued fruitful cooperation with your groups.

Attachments: TD235R1/P (G.8260 Amd2), TD239R1/P (G.8262 Rev), TD297R1/P (G.8272 Rev), TD240R1/P (G.8273.2 Amd2), TD238R1/P (G.8262.1), TD236R1/P (G.8271 Amd2), TD237R1/P (G.8271.2 Amd2)

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