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| **itu-old** | INTERNATIONAL TELECOMMUNICATION UNION | | | | | | | COM 15 – LS 206 – E | |
| **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2013-2016 | | | | |  | | | |
| **English only**  **Original: English** | | | |
| **Question(s):** | | 13/15 | | |  | | | | |
| **Ref.: TD 174 (PLEN/15)** | | | | | | | | | |
| **Source:** | | ITU-T Study Group 15 | | | | | | | |
| **Title:** | | LS on IEEE 802.1AX and the transport of PTP over LAG | | | | | | | |
| **LIAISON STATEMENT** | | | | | | | | |
| **For action to:** | | | | IEEE 802.1 | | | | |
| **For comment to:** | | | | - | | | | |
| **For information to:** | | | | - | | | | |
| **Approval:** | | | | ITU-T SG15 meeting (5 December 2014) | | | | |
| **Deadline:** | | | | 15 February 2015 | | | | |
| **Contact:** | | | Stefano Ruffini  Rapporteur Q13/15 | | | | Email: [stefano.ruffini@ericsson.com](mailto:stefano.ruffini@ericsson.com) | |
| **Contact:** | | | Silvana Rodrigues  Associate Rapporteur Q13/15 | | | | Email: [silvana.rodrigues@idt.com](mailto:silvana.rodrigues@idt.com) | |
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SG15 has become aware of the completion of IEEE802.1AX-Rev Link Aggregation revision.

We realize that the IEEE standard for Link Aggregation includes requirements for guaranteed symmetry of protocols such as PTP. In fact as described in the IEEE802.1AX-Rev, one of the goals related to the “Per-Service frame distribution” is to allow for bidirectional congruity for services such as the accurate transport of PTP over LAG.

Q13/15 has recently released an IEEE 1588 profile for the transport of time synchronization over Ethernet networks (see ITU-T G.8275.1/Y.1369.1). In this version of the profile, applying to the scenarios currently considered, VLAN tagged frames are not allowed (see clause 6.2.7 in ITU‑T G.8275.1/Y.1369.1).

The transport of PTP over LAG may be one specific aspect to be addressed by Q13/15 in future editions of this profile.

Based on the reading of IEEE802.1AX -Rev we understand that the use of VLAN tagged frames may be beneficial in order to facilitate the support of the IEEE 802.1AX solution in the transport of PTP over LAG.

We would ask for advice on this point and in general if you could provide us with further recommendations concerning the transport of PTP over LAG.

Attach:

− Approved (prepublished) Recommendation ITU-T G.8275.1/Y.1369.1 (2014) and its Consented Corrigendum 1.

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