IEEE 802.3 Ethernet Working Group
Liaison Communication

Source: IEEE 802.3 Working Group[1]

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Subject: Liaison letter to ITU-T SG15 on progress of IEEE P802.3ca

Approval: Agreed to at IEEE 802.3 Plenary meeting, Orlando, FL, USA, 9th November 2017

Dear Mr Effenberger and Mr Kani,

To support PON Convergence efforts and maintain an open communication channel between ITU-T SG15 Q2 and on-going IEEE P802.3ca Task Force efforts we are providing a status of progress from the November, 2017 Orlando, Florida meeting.

The IEEE P802.3ca Task Force has approved the following elements associated with the standards effort:

1. Updated specification with additional detail around MPRS – Multi-Point Reconciliation Sublayer: This is the adaptation sublayer between MAC and PHY (TC and PHY).
2. Adopted MLID – Management Logical Link ID (similar to ONU ID) assignment mechanism (performed during ranging/discovery).

[1] This document solely represents the views of the IEEE 802.3 Working Group, and does not necessarily represent a position of the IEEE, the IEEE Standards Association, or IEEE 802.

3. Adopted LDPC FEC with precoding (differential encoding) for the downstream direction that include LDPC(18493, 15677) 0.848 rate parity code matrix with the Omega256 structured Interleaver. Upstream FEC has not been determined yet.
4. Adopted a Channel Control Protocol (CCP) based on MAC Control messages used to query and configure channels (wavelengths).
5. Agreed to support WDM coexistence between 50G (2x25G) and 10G PON.

Once again, thank you for your interest. We look forward to continued collaboration with the ITU-T Q2/15 team.

Sincerely,
David Law
Chair, IEEE 802.3 Ethernet Working Group