IEEE 802.3 Ethernet Working Group Liaison Communication

Source: IEEE 802.3 Working Group[1]

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Subject: Liaison to ITU-T Study Group 15 from IEEE 802.3

From: David Law – Chair, IEEE 802.3 Ethernet Working Group (dlaw@hp.com)

Approval: Agreed to at IEEE 802.3 Plenary meeting, Dallas, TX, USA, 12 November 2010

Dear Mr. Maeda and members of ITU-T Study Group 15,

The IEEE 802.3 Ethernet Working Group thanks ITU-T Study Group 15 for this liaison and the opportunity to review and comment on the "Optical Transport Networks & Technologies Standardization Work Plan" coming out of your June 2010 meeting. We have reviewed the OTNT Plan content in consideration of the standardization activities in progress within the IEEE 802.3 working group and have the following comments:

Since the last full revision of IEEE Std 802.3-2008, the following work has been completed within the IEEE 802.3 working group:

- IEEE Std 802.3ax-2008/802.1AX (Link Aggregation) was published on 3 November 2008

- IEEE Std 802.3av-2009 (10G EPON) was published on 30 October 2009

- IEEE Std 802.3bc-2009 (LLDP) was published on 28 September 2009

- IEEE Std 802.3at-2009 (DTE power enhancements) was published on 30 October 2009

- IEEE Std 802.3-2008/Cor1-2009 was published on 1 February 2010

- IEEE Std 802.3ba-2010 (40Gb/s and 100Gb/s Ethernet) was published on 22 June 2010

- IEEE Std 802.3az-2010 (Energy Efficient Ethernet) was published on 27 October 2010

The final two of these (IEEE Std 802.3ba-2010 and IEEE Std 802.3az-2010) have been published since our previous liaison statement on the OTNT SWP. If these are of relevance for ITU-T Study Group 15, please consider adding these to Table 7-1-3 and elsewhere in the

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[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.

document as appropriate. The description of 802.3ba in clause 5.5.1.9 can be updated to reflect the approval and publication of this document.

The following projects are currently active within the IEEE 802.3 working group:

- IEEE P802.3.1 (P802.3be) (Ethernet MIBs), has just begun the sponsor ballot phase.

- IEEE P802.3bd (MAC control frame for Priority-based Flow Control) is currently in the sponsor ballot phase.

- IEEE P802.3bf (Time synchronization support for 802.1as), has just begun the sponsor ballot phase.

- IEEE P802.3bg (Serial 40Gb/s Ethernet), has just begun the sponsor ballot phase.

Additional suggestions include:

- Table 5-1 includes entries for P802.1 and P802.3. Since these are working groups within IEEE 802 and not projects, please delete the "P" in front of these designations.

- Table 5-3 lists "802.3ax" under structures and mapping. This was a temporary designation used during the removal of the LAG specification from IEEE Std 802.3-2005 during the transfer of its responsibility to the IEEE 802.1 working group. This standard was published on 3 November 2008 as IEEE Std 802.1AX-2008.

For your information, a new Call for Interest (CFI) occurred during our November 2010 plenary to initiate study for 100GbE Electrical Backplane and Copper cabling. A new Study Group has been formed which may lead to a future 802.3 project.

The next revision project for 802.3 is currently being planned. This is expected to incorporate all currently approved amendments and corrigenda to IEEE Std 802.3-2008, together with 802.3bf and 802.3bg into a new revision of the standard expected to be approved and published in 2012.

We wish to thank the leadership and members of ITU-T SG15 for the opportunity to coordinate references to our work programs and we look forward to such continuing cooperation with ITU-T SG15 in the future.

Sincerely,

David J. Law
Chair, IEEE 802.3 Ethernet Working Group