IEEE 802.3 Ethernet Working Group Liaison Communication

Source: IEEE 802.3 Working Group[1]

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Subject: Liaison reply to ITU-T SG15 regarding the OTNT Standardization Work Plan

Approval: Agreed to at IEEE 802.3 Plenary meeting, Orlando, FL, USA, 21st March 2013

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

The IEEE 802.3 Ethernet Working Group thanks ITU-T Study Group 15 for your liaison and the opportunity to review and comment on the "Optical Transport Networks & Technologies Standardization Work Plan" from your September 2012 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:

We are happy to report that the latest 802.3 revision project has been completed, and the resulting IEEE Std 802.3-2012 with the new title "Standard for Ethernet" whose approval we informed you about earlier, was published on 28 December 2012. This document supersedes IEEE Std 802.3-2008, plus the following amendments and corrigendum:

- IEEE Std 802.3av-2009 (10G-EPON)

- IEEE Std 802.3bc-2009 (LLDP)

- IEEE Std 802.3at-2009 (DTE power enhancements)

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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.

- IEEE Std 802.3-2008/Cor1-2009

- IEEE Std 802.3ba-2010 (40 Gb/s and 100 Gb/s Ethernet)

- IEEE Std 802.3az-2010 (Energy Efficient Ethernet)

- IEEE Std 802.3bg-2011 (Serial 40 Gb/s Ethernet)

- IEEE Std 802.3bf-2011 (Time Synchronization Protocol Support)

- IEEE Std 802.3bd-2011 (MAC Control Frame for Priority-based Flow Control)

Note that all of the above are now incorporated into the base standard and the material can be found in the relevant clauses of the newly published IEEE Std 802.3-2012.

IEEE Std 802.3.1-2011(Ethernet MIBs) was published on 5 July 2011. This incorporates and updates all Ethernet MIBs previously under the responsibility of IETF for managing all capabilities in the base version of the standard IEEE Std 802.3-2008. There is currently a revision project underway which will incorporate new and revised MIBs to support all of the amendments that have been incorporated in IEEE Std 802.3-2012, and these two documents are expected to be in full alignment once this revision is complete. The revision of IEEE Std 802.3.1 is currently in the sponsor ballot phase.

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

- IEEE P802.3.1 (IEEE P802.3.1a) (Revision to IEEE Std 802.3.1-2011 Ethernet MIBs Task Force), is expected to lead to a revision of IEEE Std 802.3.1-2011 which incorporates MIBs for all of the amendments to IEEE Std 802.3-2008 that were integrated into IEEE Std 802.3-2012. This project is in the sponsor ballot phase.

- IEEE P802.3bj (100 Gb/s Backplane and Copper Cable Task Force) has just initiated the working group ballot phase.

- The P802.3bk Extended EPON task force has just initiated the sponsor ballot phase.

- The P802.3bm Next Generation 40 Gb/s and 100 Gb/s Optical Ethernet task force is in the proposal selection phase.

- The P802.3bn EPON over Coax PHY task force is in the proposal selection phase.

- The P802.3bp Reduced Twisted Pair Gigabit Ethernet (RTPGE) task force is in the proposal selection phase.

- The next generation BASE-T study group has submitted a PAR, 5-criteria and project objectives and is expected to become the P802.3bq 40GBASE-T task force.

- A new 400 Gb/s Ethernet study group has been formed after a successful "Call for Interest" at our March 2013 plenary meeting.

- A new 4-pair Power over Ethernet study group has been formed after a successful "Call for Interest" at our March 2013 plenary meeting.

Specific suggestions concerning the content of your document include:

- In clause 5.4 the text "They are not bound to the physical data rates (i.e. 10 Mbit/s, 100 Mbit/s, 1 Gbit/s, 10 Gbit/s) defined by IEEE." should now include 40 Gbit/s and 100 Gbit/s.

- In Table 5-3 under Management aspects "P802.3.1" should be "802.3.1".

- In Table 7-1-3, the publication date for 802.3 should be 12/2012.

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 continuing cooperation with ITU-T SG15 in the future.

Sincerely,

David J. Law
Chair, IEEE 802.3 Ethernet Working Group