IEEE 802.3 Ethernet Working Group
Liaison Communication

Source: IEEE 802.3 Working Group[1]

To: Steve Trowbridge   Chairman, ITU-T Study Group 15
                                      steve.trowbridge@nokia.com

            Hiroshi Ota   Advisor, ITU-T Study Group 15
                                      hiroshi.ota@itu.int

            Naotaka Morita   Rapporteur, ITU-T Question 3/15
                                      naotaka.morita@ntt-at.co.jp

CC: Konstantinos Karachalios Secretary, IEEE-SA Standards Board
                                      Secretary, IEEE-SA Board of Governors
                                      sasecretary@ieee.org

            Paul Nikolich   Chair, IEEE 802 LMSC
                                      p.nikolich@ieee.org

            Adam Healey   Vice-chair, IEEE 802.3 Ethernet Working Group
                                      adam.healey@broadcom.com

            Pete Anslow   Secretary, IEEE 802.3 Ethernet Working Group
                                      panslow@ciena.com

From: David Law   Chair, IEEE 802.3 Ethernet Working Group
                                      dlaw@hpe.com

Subject: Liaison Response to ITU-T Study Group 15 from IEEE 802.3 on the Optical
            Transport Networks & Technologies Standardization Work Plan

Approval: Agreed to at IEEE 802.3 Interim meeting, New Orleans, LA, USA, 25th May 2017

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

Thank you for your liaison statement on the OTNT Standardization Work Plan of September 2016.

We are pleased to inform you that four additional IEEE 802.3 amendments and a corrigendum have been approved and published since our last communication:

- IEEE Std 802.3bz-2016 - *Media Access Control Parameters, Physical Layers, and Management Parameters for 2.5 Gb/s and 5 Gb/s Operation, Types 2.5GBASE-T and 5GBASE-T*, was approved on 22nd September 2016 and published on 18th October 2016.

- IEEE Std 802.3bn-2016 - *Physical Layer Specifications and Management Parameters for Ethernet Passive Optical Networks Protocol over Coax*, was approved on 22nd September 2016 and published on 7th December 2016.

- IEEE Std 802.3bu-2016 – *Physical Layer and Management Parameters for Power over Data Lines (PoDL) of Single Balanced Twisted-Pair Ethernet*, was approved on 7th December 2016 and published on 7th February 2017.

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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 802.3bv-2017 - *Physical Layer Specifications and Management Parameters for 1000 Mb/s Operation Over Plastic Optical Fiber*, was approved on 14th February 2017 and published on 14th March 2017.

- IEEE Std 802.3-2015 Cor 1-2017 - *Multi-lane Timestamping*, was approved on 23rd March 2017 and published on 21st April 2017.

The following are the IEEE 802.3 standards currently in force:

- The base standard, IEEE Std 802.3-2015, was approved by the Standards Board on 3 September 2015 and was published on 4 March 2016.

- Nine amendments and a corrigendum are currently in force: the five recently published documents mentioned above, plus:

    o IEEE Std 802.3bw-2015 - *Physical Layer Specifications and Management Parameters for 100 Mb/s Operation over a Single Balanced Twisted Pair Cable (100BASE-T1)* which was approved by the Standard Board on 26 October 2015 and published on 8 March 2016.

    o IEEE Std 802.3by-2016 - *Media Access Control Parameters, Physical Layers, and Management Parameters for 25 Gb/s Operation*, which was approved on 30 June 2016 and published on 29 July 2016.

    o IEEE Std 802.3bq-2016 - *Physical Layer and Management Parameters for 25 Gb/s and 40 Gb/s Operation, Types 25GBASE-T and 40GBASE-T* – which was approved on 30 June 2016 and published on 8 September 2016.

    o IEEE Std 802.3bp-2016 - *Physical Layer Specifications and Management Parameters for 1 Gb/s Operation over a Single Twisted Pair Copper Cable* – which was approved on 30 June 2016 and published on 9 September 2016.

    o IEEE Std 802.3br-2016 - *Specification and Management Parameters for Interspersing Express Traffic* – which was approved on 30 June 2016 and published on 14 October 2016.

- The current version of the Ethernet MIBs standard is published as IEEE Std 802.3.1-2013.

The following Task Forces, Study Groups, and ad hoc groups are currently active within the IEEE 802.3 working group:

- The IEEE P802.3bs 200 Gb/s and 400 Gb/s Ethernet Task Force is currently in the Sponsor ballot phase. A copy of Draft 3.1 has been sent to ITU-T Q6/15 and Q11/15 in a separate liaison communication.

- The IEEE P802.3bt DTE Power via MDI over 4-Pair Task Force is currently in the Working Group Ballot phase.

- The IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s Passive Optical Networks Task Force is in the proposal selection phase.

- The IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Task Force is in the Working Group ballot phase. Note that copper cable objectives have been removed from this project since our last communication.

- The IEEE P802.3cc 25 Gb/s Ethernet over Single-Mode Fiber Task Force is in the Sponsor ballot phase.

- The IEEE P802.3cd 50 Gb/s, 100 Gb/s, and 200 Gb/s Ethernet Task Force has just begun the Working Group ballot phase.

- The IEEE P802.3cg 10 Mb/s Single Twisted Pair Ethernet Task Force is in the proposal selection phase.

- The IEEE P802.3ch Multi-Gig Automotive PHY Task Force is in the proposal selection phase.

- The IEEE P802.3.2 (802.3cf) YANG Data Model Definition Task Force is in the proposal selection phase.

In addition to the projects described above, a PAR has been approved for the next revision project, which is expected to become IEEE Std 802.3-2018 once completed. This is expected to update IEEE Std 802.3-2015 by including the nine approved amendments and corrigendum, and should work proceed as expected, also the amendments resulting from IEEE P802.3bs, IEEE P802.3cb, IEEE P802.3cc, and all ready-for-ballot maintenance requests. All other active projects are expected to become amendments to IEEE Std 802.3-2018.

Some specific comments on the document which you sent to us in September 2016:

- In Table 1, the status of the IEEE P802.3bs and IEEE P802.3cd projects can be updated per the information provided above. Study Group 15 may also have interest in the IEEE P802.3cc 25 Gb/s Ethernet project.
- The status of IEEE 802.3 projects as indicated in clause 4.5.1.11 can be updated per the above information.
- The list of in-force IEEE 802.3 standards in Table 6 can be updated per the above information.

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