IEEE 802.3 Ethernet Working Group Liaison Communication

Source:	IEEE 802.3 Working Group[1]	
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Subject:	IEEE 802.3 response to liaison letter on ANT standardization work plan	
Approval:	Agreed to at IEEE 802.3 Plenary meeting San Antonio, TX, USA, 6th November 2014	

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

Following the liaison exchange between our groups on the topic of Access Network Transport (ANT) Standardization Work Plan in April 2014, we would like to update you on the activities within the IEEE 802.3 Working Group, which might be of interest to SG15.

Since our last communication, there were a number of changes in the status of access-related projects within the IEEE 802.3 Working Group:

- The IEEE P802.3bk Task Force completed its charter and IEEE Std 802.3bk-2013 was published. Subsequently, this Task Force was disbanded.

[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.

- The IEEE P802.3bn EPON Protocol over Coax (EPoC) Task Force continues to work on the development of a PHY for the operation of EPON protocols over coaxial distribution networks. The EPoC PHY is intended to support:
    - symmetric and asymmetric (downstream / upstream) data rates;
    - symmetric and asymmetric (downstream / upstream) spectrum allocation;
    - independent configuration of downstream and upstream link parameters;
    - a baseline data rate of 1 Gbit/s downstream and upstream, when operating within up to 120 MHz of allocated spectrum, under defined baseline plant conditions;
    - a data rate lower than the baseline data rate when transmitting in less than 120 MHz of assigned spectrum or under poorer than defined plant conditions;
    - a data rate higher than the 1 Gbit/s baseline data rate and up to 10 Gbit/s when transmitting in assigned spectrum and in channel conditions that permit.

  More information about the IEEE P802.3bn Task Force can be found at following URL: http://www.ieee802.org/3/bn/index.html, including the Project Authorization Request (PAR), 5 Criteria responses and Objectives for this project. This Task Force is currently undergoing Task Force review of the draft, progressing steadily towards Working Group ballot, expected to open early in 2015.

- A new access-related activity “Next Generation EPON Ad-Hoc” was started under the Industry Connections program. More information about this ad-hoc and its progress can be found at http://www.ieee802.org/3/ad_hoc/ngepon/. The ad-hoc is working towards completion of its report, with the expected delivery for the IEEE 802.3 Working Group approval early in 2015.

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