IEEE 802.3 Ethernet Working Group Liaison Communication

Source: IEEE 802.3 Working Group[1]

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Subject: Liaison to IEEE 1904.1 from IEEE 802.3

Approval: Agreed to at IEEE 802.3 Plenary meeting, Geneva, Switzerland, 18th of July 2013

Dear Dr. Kramer,

Thank you for your liaison letter dated February 21st, 2013, outlining the scope of your work as well as your recent progress.

We are pleased to see timely progress of the IEEE 1904.1 base standard draft – a companion standard to the IEEE 802.3 EPON PHY specifications. It was also brought to our attention that, as of June 14th, 2013, IEEE P1904.1 draft D3.4 was approved, and it is currently subject to publication preparation. We would like to congratulate you and the members of your Working Group on the achievement of this important milestone in the development of a complete set of EPON-related specifications, which now cover both the service and physical layer aspects of EPON operation.

As requested, we would like to update you on the status of currently active groups within the IEEE 802.3 WG, working on topics related with P2MP access:

- The Extended EPON IEEE P802.3bk Task Force, which is adding new PMDs supporting extended power budgets for 1G-EPON and 10G-EPON. More information about the IEEE P802.3bk Task Force can be found at the following URL: http://www.ieee802.org/3/bk/index.html, including the PAR (with changes from the November 2012 Plenary meeting of IEEE 802.3 Working Group), 5 Criteria, and Objectives for this project.

   At this time, the IEEE P802.3bk Task Force is close to completing its charter, having gone through the Task Force review (draft versions D1.0 and D1.1), the IEEE 802.3 Working Group Ballot (draft versions D2.0 and D2.1), and the IEEE Sponsor Ballot (draft

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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.

versions D3.0 and D3.1). Draft D3.1 was approved for submittal for consideration on the RevCom agenda for August 2013.

- The EPON Protocol over Coax (EPoC) IEEE P802.3bn Task Force is working on the development of a PHY for the operation of EPON protocols over coaxial distribution networks. One of the primary requirements for this project is to maintain compatibility with 1G-EPON and 10G-EPON, as currently defined in IEEE Std 802.3-2012, with minimal augmentation to MPCP and/or OAM if needed to support the new PHY.

    More information about the IEEE P802.3bn Task Force can be found at the following URL: http://www.ieee802.org/3/bn/index.html, including the PAR (with changes from the November 2012 Plenary meeting of the IEEE 802.3 Working Group), 5 Criteria, and Objectives for this project.

- Just prior to July 2013 Plenary, we received a request for creating an Industry Connections activity to be focused on Next Generation EPON (NG-EPON). Additional information can be found at the following URL: http://www.ieee802.org/3/email_dialog/msg00090.html and http://www.ieee802.org/3/minutes/jul13/NG_EPON_ICCOM_intro.pdf. The 802.3 Working Group may consider this request at the November 2013 Plenary.

We wish to thank the leadership and members of the IEEE P1904.1 WG for continued close cooperation, and we look forward to the update on the new and relevant developments as your work on the conformance project progresses. We would also like to encourage your WG to review the status of the ongoing P2MP projects and assess their resulting impact on your specifications.

Sincerely,

David J. Law
Chair, IEEE 802.3 Ethernet Working Group