IEEE 802.3bj 100 Gb/s Backplane and Copper Cable Task Force

Informal Communication

Source: IEEE 802.3bj 100 Gb/s Backplane and Copper Cable Task Force

To: Joe Pavlat, President and Chair, PICMG (xxxx)
Doug Sandy, Vice President and Technical Director, PICMG (xxxx)

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Subject: Informal communication to PICMG from IEEE 802.3bj 100 Gb/s Backplane and Copper Cable Task Force

From: John D'Ambrosia, Chair IEEE 802.3bj 100 Gb/s Backplane and Copper Cable Task Force (jdambrosia@ieee.org)

Approval: Agreed to at 100Gb/s Backplane and Copper Cable Task Force meeting, XXXX

Dear Mr. Pavlat, Mr. Sandy, and members of PICMG,

At the July 2011 plenary session, IEEE 802.3 approved the project documentation (project authorization request, response to Five Criteria, and objectives) for a project to define 100 Gb/s Ethernet operation across a backplane and copper cable. These documents may be viewed at http://www.ieee802.org/3/100GCU/index.html.

The IEEE-SA Standards Board approved the IEEE P802.3bj 100 Gb/s Backplane and Copper Cable project on September 10, 2011. The Task Force will now begin the work of technology selection and development of a draft document. The first meeting of the IEEE P802.3bj 100 Gb/s Backplane and Copper Cable Task Force took place on September 13 and 14 in Chicago, IL, USA. Proceedings for the September 2011 Interim meeting, as well as minutes of other IEEE P802.3bj Task Force meetings, may be found at: http://www.ieee802.org/3/bj/public/index.html.

Given the project's focus on interacting with a 4x25 Gb/s interface, which is also the basis for the development of the two new PHYs in the IEEE P802.3bj project, the Task Force is actively soliciting information that will facilitate the evaluation of various signaling schemes in Ethernet backplane applications. Any data regarding backplane characteristics or trends that the PICMG consortium may be able to share with us would be gratefully received.

Any further information that the PICMG or its membership may wish to provide that is believed to be relevant would be welcomed and appreciated. Our group looks forward to future dialogue with the PICMG consortium.

Sincerely,

John D'Ambrosia,
Chair, IEEE 802.3 100 Gb/s Backplane and Copper Cable Study Group
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[1] This document solely represents the views of the IEEE 802.3 100 Gb/s Backplane and Copper Cable Study Group, and does not necessarily represent a position of the IEEE, the IEEE Standards Association, IEEE 802®, or IEEE 802.3.