

IEEE 802.3ba XR ad hoc Conference Call, 24 July 08

Meeting Notes

Chair: Alessandro Barbieri

Co-chair: John Petrilla

Recording Secretary: none

Attendees: (partial list -may not include all attendees)

Alessandro Barbieri	John Petrilla
Mike Dudek	Herb Congdon?
Mark Gustlin	Piers Dawe
Paul Kolesar	Jeff Maki
Ali Ghiasi	Sashi Thiagarajan
Phil McClay	George Oulundsen
Frank Chang	Petar Pepeljugoski
John D'Ambrosia	Jonathan King
Larry Green	Ryan Latchman
Scott Kipp	Rick Pimpinella
Norman Swenson	Steve Swanson
Stephen Alie	Brian Misek

Alessandro Barbieri, the host and chair of the meeting, opened the meeting (phone & web conference) at 8:30 AM Pacific

Alessandro Barbieri asked if anyone was not familiar with the IEEE patent policy and encouraged everyone to review it. There were no responses.

Alessandro Barbieri proposed the following agenda,

New presentation by John Petrilla

Presentations:

Extended Reach Choice - CDR, petrilla_xr_02_0708:

The presentation was delivered by John Petrilla.

Clarifying questions were asked and answered

Discussion of Tx and Rx implementations during and following the presentation led to the following conclusions.

1. While the presentation focused on form factors and the differences between XR proposals, eventually the differences between the base line case and the extended reach proposal will result in different TP2 and TP3 criteria, e.g. a TX eye mask for TP2 and stressed Rx sensitivity conditions for TP3. Then any implementation that meets these criteria should be acceptable.
2. Along the same line, given that TP1 and TP4 criteria are being establish for the base case via the PMD service interface effort and similar module I/O requirements are being established by XLAUI/CAUI, any implementation that fits between these I/O requirements and the XR TP2 & TP3 requirements should be acceptable.
3. Finally, expanding on item 2, it may be possible to fit an Rx implementation between the XR TP2 & TP3 requirements and the 10 m copper cable assembly output requirements.

Discussion of fiber reach targets during and following the presentation led to the following conclusions.

- The primary XR fiber reach target is 150 m of OM3. The reach with OM4 will be calculated from Tx and Rx attributes.
- A secondary XR fiber reach target is 250 m of OM4.
- Longer fiber reaches can be supported by ganging multiples of 10GBASE-SR implementations.

Next Steps:

- Prepare a comparison of TP2 and TP3 criteria for XR and base cases
- Prepare material that can be adopted for baseline draft text for either an informative annex or a normative clause.

- Prepare recommendation for new fiber reach objective

Next meeting:

Recommended next meeting: 9:00 AM PDT to 11:00 AM PDT, Thursday, August 9, 08. A meeting notice will be sent.