

IEEE 802.3ba XR ad hoc Conference Call, 4 September 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 Schlegel
Piers Dawe	Darian Schulz
Paul Kolesar	Scott Kipp
Ali Ghiasi	John D'Ambrosia
Phil McClay	Stephen Alie
Frank Chang	Tremont
Bob Snively	Larry Green
John Abbott	Olaf Storaasli
Jim Tatum	Rita Horner
David Law	Tom Lindsay
George Oulundsen	Ryan Latchman

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

Alessandro asked if anyone was not familiar with the IEEE patent policy and encouraged everyone to review it. There were no responses. URLs were provided in the meeting invitation to access the policy

Alessandro proposed the following agenda:

- Presentation by Scott Kipp,
- Presentation by John Petrilla.
- Presentation by Paul Kolesar
- Target Reach poll

There were no objections.

Presentations were posted on the XR ad hoc page prior to the meeting.

Switch Perspectives on XR Links, kipp_xr_01_0908:

The presentation was delivered by Scott Kipp. Clarifying questions were asked and answered. There was discussion during and following the presentation. Scott will update the presentation for feedback in the meeting and upload.

Extended Reach Proposal, petrilla_xr_01_0809:

The presentation was delivered by John Petrilla. Clarifying questions were asked and answered. There was discussion during and following the presentation.

Examining the XR Market, kolesar_xr_01_0908:

The presentation was delivered by Paul Kolesar. Clarifying questions were asked and answered. There was discussion during and following the presentation.

Target Reach:

A straw poll regarding the reach target was taken of the attendees using a web conference feature and email. The straw poll included three reach targets and an option for no extended reach. Details and results follow.

- | | |
|----------------------|------|
| 1. 150m on OM3 | → 2 |
| 2. 200m on OM3 | → 2 |
| 3. 250m on OM4 | → 11 |
| 4. No extended reach | → 2 |
| Abstain | 3 |

Some votes included comments. These follow.

David Law: I need to know if this is normative or informative before I can vote

Jim Tatum: Abstain, my vote depends on what area of the spec gets squeezed

Piers Dawe: SM modules, Ganged 10GBASE-SR or 10GBASE-LR, user selected 100 m MM modules and/or fiber paths, FEC, Repeaters or active cross-connects or position the to-be-bought switches appropriately
Frank Chang: Support #3 on condition of >200-220m for OM3. I think we have 100m already, so XR should target 100% coverage.

Discussion: Unresolved are issues related to how the extended reach, XR, target is included. Among these are:

- If XR is address by creating an informative annex, it doesn't create a second PMD resulting in few conflicts. But, there are few, if any, precedents for this and an informative annex is not an official part of the standard. Whether or not this is either a sufficient or an acceptable approach is controversial.

- If XR is addressed by making it normative, except for using FEC or some other scheme that doesn't affect the PMD, it appears to create a new or modify the existing PMD. This leads to a need to create a new or modify the existing 100m MM objective. Both choices, modifying the existing 100 m MM objective or creating a new objective are controversial.

Next meeting:

TBD: A meeting notice will be sent.