

IEEE 802.3ba XR ad hoc Conference Call, 28 August 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
Piers Dawe	Darian Schulz
Paul Kolesar	Jeff Maki
Ali Ghiasi	David Chalupsky
Phil McClay	Petar Pepeljugoski
Frank Chang	Scott Kipp
Bob Snively	Jonathan King
John Abbott	John D'Ambrosia

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: Presentations by Mike Dudek and John Petrilla. There were no objections.

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

Sensitivity and Random Jitter, dudek_01_0808:

The presentation was delivered by Mike Dudek.

Clarifying questions were asked and answered. Mike's presentation aligns with the expectation that receiver generated RJ is inversely proportional to the receiver input signal level. To see the relationship clearly, various residual terms believed associated with input signal impairments, clock and data recovery impairments and oscilloscope timing uncertainty had to be backed out of the measurement results. Mike may have identified a double counting of the effect of Rx contributed DJ which will be reviewed.

Extended Reach Proposal, petrilla_xr_01_0808:

The presentation was delivered by John Petrilla.

Clarifying questions were asked and answered. Alan Flatman send comments, Alan Flatman email of August 28, 2008, regarding the interpretation of his Data Centre Link Survey, Flatman_01_0108. The presentation will be updated to reflect Alan's comments. Several suggestions/comments were made regarding the Extended Reach Annex proposal which merit further consideration, including developing tests that capture the effect of spectral width and avoiding dependence on expensive equipment and/or skilled personnel for any testing of installed system.

Discussion revealed lack of consensus with several key issues, including:

- should the extended reach MMF distance target be 150 m of OM3, 250 m of OM4 or both?

- the likelihood that a new MMF distance objective proposal would receive a favorable 75% majority vote from the project members.

- the likelihood that a changing the MMF distance objective proposal would receive a favorable 75% majority vote from the project members.

The proponents of the different distances were encourage to seek consensus for their choice as soon as possible.

John Petrilla will expand the Extended Reach Annex Proposal portion of his presentation to provide a better outline of an informative annex in time for the next ad hoc meeting.

Next meeting:

Recommended next meeting: 8:30 AM PDT to 10:30 AM PDT, Thursday, Sept 4, 08. A meeting notice will be sent.