

802.3ba *xr ad hoc* status

Co-chairs:

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Outline

- Background
- Summary
- Activity
- Next Steps

Background – *ad hoc* creation

- “**Straw Poll #15:** Should we continue to work on a proposal for an annex to extend the reach of a 40GBASE-SR4 and 100GBASE-SR10 in addition to the proposal (“pepeljugoski_01_0508.pdf”) as in “jewell_01_0508.pdf”.

Yes: 55

No: 3

Approximate Room Count: 108”

- “Petar Pepeljuginoski suggested that an Ad-Hoc be formed to study an extended reach option over parallel multimode fiber. The Chair noted the interest from the straw poll the previous night, and asked the group if there were any objections to forming an Extended Reach Parallel MMF Ad-Hoc. There were no objections. The Chair appointed the Alessandro Barbieri and John Petrilla as Co-Chairs of the Extended Reach Parallel MMF Ad-Hoc. The Ad-Hoc’s mission is to formulate a technical proposal for extended reach over parallel multimode fiber.”
- http://www.ieee802.org/3/ba/public/may08/minutes_01_0508_unapproved.pdf

Summary

Status

- With the exception of using FEC, all other methods for achieving extended reach, XR, apparently lead to a new PMD.

No Progress

- There is no apparent consensus regarding implementation of XR as normative or informative.

Progress

- Reach
 - A straw poll shows 250 m of OM4 as the most popular reach choice. This has not been tested for consensus (75%) support.
- Method
 - The ad hoc discussion has shifted from implementation to test criteria.

Activity

- Four additional conference calls; nine in total
- Seven additional presentations; nineteen in total
- Significant reflector traffic
- The focus has shifted from issues of implementation to test criteria and the group is now discussing adjusting criteria for aggregate Tx and Rx measurements (here the same aggregate tests as for the 100 m reach would be used but with more restrictive criteria) as the means to establish the extended reach.
- Straw Poll Results on extended reach (one vote per participant)
 1. 150 m of OM3 2
 2. 200 m of OM3 2
 3. 250 m of OM4 11
 4. No extended reach 2
 5. Abstain 3

Next Steps

- Look for 75% consensus:
 - For XR as normative part of standard
 - For XR as informative part of standard
 - For another approach
- Look for 75% consensus for reach target.
- Look for 75% consensus on test criteria approach.