

MMF ad hoc report

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400G MMF ad hoc activity since July 2014 meeting

- One MMF ad hoc call: August 8th 2014, 40 attendees
 - Meeting minutes and presented materials are available on the 40G & 100G FOTF website:
<http://www.ieee802.org/3/bm/public/mmfadhoc/index.html>
- Highlights:
 - One presentation reviewed: [king_01_0814_mmh.pdf](#)
 - Summarized the prospects for 25 Gb/s and 50 Gb/s per laser 400G MMF PMD baseline proposals, with reference to the projects adopted timeline.
 - A 16 x 25 Gb/s per fibre baseline could be written now, leveraging 100GBASE-SR4 technology; no new devices needed.
 - Compatible with 16 x 25 Gb/s electrical interface, and early breakout applications.
 - An 8 x 50 Gb/s per fibre solution, while potentially technically feasible, needs development of next generation VCSELs:
 - Much faster VCSELs for NRZ, or much better VCSEL RIN for PAM4.
 - Shortwave WDM needs new high speed VCSEL wavelengths.
 - There was broad consensus in the meeting that a 16 x 25 Gb/s based approach is most suitable for a baseline proposal for this project.
- Further work: Developing a baseline proposal.
- Next meetings: Yes, TBD.

Thank you !