

400G MMF ad hoc report

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400G MMF ad hoc activity since March 2015 meeting

- **Two MMF ad hoc calls:** April 14th and 30th 2015, ~30 attendees at each.
 - Meeting minutes and presented materials are available on the 40G & 100G FOTF website: <http://www.ieee802.org/3/bm/public/mmfadhoc/index.html>
- **Highlights:**
 - Two contributions reviewed, both from John Petrilla, Avago Technologies:
 - **"Scaling 100GBASE-SR4"**
 - Spreadsheet link modeling showed that adoption of KP4 FEC for 400GBASE-SR16 will not need dramatic changes to the MMF baseline proposal.
 - The proposed baseline link budget (based on 100GBASE-SR4 and assumed KR4 FEC) is still sound; some further work is needed to determine if TDEC and SEC values should change.
 - For KP4 FEC, the effect of increased pre-FEC target BER, of around 2×10^{-4} , and 3% higher bit rate, approximately cancel each other out.
 - **"Method to estimate max acceptable TDEC"**
 - How to estimate TDEC using the spreadsheet link model.
- **Further work:**
 - Further study to determine if changes to TDEC and SEC are required for 400GBASE-SR16 following adoption of KP4 FEC.
- **Next meetings:** Yes, TBD.

Thank you !