

SMF Ad Hoc report

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Activity

The IEEE P802.3bs 400 Gb/s Ethernet Task Force SMF Ad Hoc has:

- Held two conference calls since the San Antonio meeting:
 - 18 November 2014 – 43 attendees
 - 9 December 2014 – 47 attendees
- Reviewed 3 presentations:
 - Further thoughts and inputs on 400Gb/s Ethernet SMF PMDs [stassar_01_1114_smf](#)
 - Further discussion on 4 x 100G and 8 x 50G PAM4 power budgets and BER floors.
 - Performance Results: High Gain FEC over DMT [corbeil_01_1114_smf](#)
 - DMT test results with a high gain, heavily interleaved FEC
 - SMF PMD MPI Penalty Investigation [cole_01_1214_smf](#)
 - Introduction to an attempt to reach a consensus view on SMF MPI penalty.
- Meeting minutes and presentations can be found at:
 - <http://www.ieee802.org/3/bs/public/adhoc/smf/index.shtml>

Going forward

The P802.3bs adopted timeline shows the baselines for the SMF objectives being adopted in this meeting.

To allow us to adopt something as an SMF baseline we need:

- A good level of consensus to enable a motion to reach 75% approval
- Confidence in economic feasibility and broad market potential
- A detailed power budget
- Measurements of key parameters such as dispersion tolerance etc.

If SMF baselines are not adopted in this meeting, there will be a need for further SMF Ad Hoc meetings going forward.

Thanks!