

# Approved minutes

## Next Gen 100G Optics SMF Ad Hoc Teleconference 21 Aug 2012

Minutes taken by Pete Anslow, Ciena

The meeting started at 8:05 am Pacific chaired by Pete Anslow, the attendee list was taken from the Webex attendee list.

Documentation for the call can be found at the Ad Hoc web page:

<http://www.ieee802.org/3/100GNGOPTX/public/smfadhoc/index.html>

Pete reminded everyone of the IEEE patent policy (<http://www.ieee802.org/3/patent.html>).

Pete asked if anyone had any objection to the draft agenda sent to the group reflector on 20 August. No one responded.

### Presentation #1

Title: 40GBASE-ER4 optical budget

By: Pete Anslow, Ciena

See: anslow\_01a\_0812\_smf.pdf

There was some discussion over the suitability of 19 dB maximum channel insertion loss and two questions were asked:

- What coverage of links is the 18 dB loss for 100GBASE-ER4 equivalent to?
- What loss does the channel loss for 10GBASE-ER translate to for 40GBASE-ER4 wavelengths?

Subject to further discussion and the answer to these two questions, the meeting agreed that 19 dB is a reasonable starting point for the maximum channel insertion loss.

Jonathan King stated that a difference in extinction ratio between 6 dB and 5.5 dB would only produce a sensitivity change of about 0.1 dB OMA.

The values proposed for DGD\_max, and channel loss difference with wavelength received no comments

It was provisionally agreed to hold a second SMF Ad Hoc meeting to try to reach consensus on the remaining optical budget items and hear any disagreements with what was proposed in anslow\_01a\_0812\_smf on September 4 at 8:00 Pacific.

Please send presentation requests to Pete Anslow.

The meeting closed at 9:15 am Pacific.

Attendee list (taken from Webex attendee list with the addition of Paul Kolesar and Dan Dove)

Jon Anderson, Oclaro

Pete Anslow, Ciena

Hsu-Feng Chou, Source Photonics

Dan Dove, Applied Micro

Mike Dudek, Qlogic

Galen Fromm, Cray

Eric Hall, Aurrion

Jonathan King, Finisar

Paul Kolesar, Commscope

Greg D Le Cheminant, Agilent

Huang Lu, China Mobile

Rick Pimpinella, Panduit

Liang Qiu, Nexans

Rick Rabinovich, Alcatel-Lucent

Michael Ressler, Hitachi Cable

Peter Stassar, Huawei

Andre Szczepanek, Inphi

Nathan Tracy, TE

Steve Trowbridge, Alcatel-Lucent

Eddie Tsumura, SEI

Ed Ulrichs, Source Photonics

Alexander Umnov, Huawei

CK Wong, FCI