Approved minutes
40 Gb/s and 100 Gb/s Fiber Optic TF SMF Ad Hoc Teleconference 30 Oct 2012

Minutes taken by Pete Anslow, Ciena

The meeting started at 8:03 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/bm/public/smfadhoc/meetings/index.html

Pete reminded everyone of the IEEE patent policy (http://www.ieee802.org/3/patent.html) and asked if anyone was unfamiliar with it. No one responded.

Pete asked if anyone had any corrections to the draft minutes from the 23 October call. He noted that the title should be changed now that we are a Task Force. No one responded, so these minutes are approved by the Ad Hoc.

Pete asked if anyone had any objection to the draft agenda sent to the group reflector on 30 October. There were no objections.

Presentation #1
Title: Distribution of link lengths & Connectors Number
By: Weiqiang Cheng and Lu Huang, China Mobile
See huang_01_1012_smf

Presentation #2
Title: 40GBASE-ER4 link coverage
By: Pete Anslow, Ciena
See anslow_01a_1012_smf

During the presentation of anslow_01_1012_smf, an error on slide 3 was noted and it was requested that information on how many links and operators were represented in the data be added to an updated version. This is posted as anslow_01a_1012_smf.

During discussion on both presentations, China Mobile were asked if they could provide data in a similar format to slide 3 of anslow_01_1012_smf to indicate the difference in link coverage between 18.5 and 19 dB would be for the China Mobile network.

In order to be able to decide whether it is justified to increase the value of the maximum channel insertion loss to gain the increase of link coverage, it is necessary to understand the effect that this would have on module cost. Jonathan King and Jon Anderson both responded that the current baseline budget is very challenging and with a higher value of maximum channel insertion loss than in the earlier consensus presentation.

There was also some discussion regarding the possible need to meet the baseline budget without the use of re-timers in the module. Contributions on this topic were requested.

Presentation #3
Title: Improved MPI "Upper Bound" Analysis
By: Arash Farhood, Cortina
See farhood_01a_1012_smf

During the presentation of farhood_01_1012_smf, an error on slide 14 was noted. A corrected version is posted as farhood_01a_1012_smf.

During the discussion of this presentation, Pete Anslow noted that his installed link data includes measurements of optical return loss which might help in setting a realistic return loss for installed connectors. Pete asked if there was any objection to seeing this data. There was no objection, so Pete presented the graph contained in:

Presentation #4
Title: Installed link return loss
By: Pete Anslow, Ciena
See anslow_02_1012_smf

The meeting closed at 10:01 am Pacific.

Attendee list (taken from Webex attendee list)

Jon Anderson, Oclaro
Pete Anslow, Ciena
Vipul Bhatt, Cisco
Hsu-Feng Chou, Source Photonics
Kai Cui, Huawei
Mike Dudek, Qlogic
Arash Farhood, Cortina
Galen Fromm, Cray
Ali Ghaisi, Broadcom
Hiroshi Hamano, Fujitsu
Jack Jewell, GreenVcsel
Jonathan King, Finisar
Scott Kipp, Brocade
Kevin Lefebvre, Eigenlight
Huang Lu, China Mobile
Gary Nicholl, Cisco
Tom Palkert, Xilinx, Luxtera, Molex
Carl Paquet, Teraxion
Randy Perrie, OneChip Photonics
Michael Ressl, Hitachi Cable
Sam Sambasivan, AT&T
Hari Shankar, Inphi
Tomoo Takahara, Fujitsu
Toshiki Tanaka, Fujitsu
Brian Teipen, Adva
Nathan Tracy, TE

Steve Trowbridge, Alcatel-Lucent
Eddie Tsumura, SEI
Ed Ulrichs, Source Photonics
Alexander Umnov, Huawei
CK Wong, FCI
Hiroki Yanagisawa, NEC
zengli, Huawei