

Un-approved Minutes

IEEE 802.3cc Serial 25Gb/s Ethernet Operation over Single Mode Fiber Task Force Meeting

May 24, 2017 New Orleans, La

Prepared by Kenneth Jackson (Sumitomo)

9am start, May 24th, 2017, Pelican II

Dave Lewis, Chair, presiding

Koichi Tamura, Chief Editor

Kenneth Jackson, Recording Secretary

Peter Jones, Ad Hoc Chair

Introductory material

Agenda reviewed

9:05am: **Motion #1** to approve agenda, moved by Bob Grove seconded by David Malicoat. Approved by voice vote

9:06am: **Motion #2** to approve minutes moved by McDonough, seconded by Pete Anslow. Approved by voice vote.

Reviewed Sponsor ballot results

Goals for this meeting,

Comment resolution on Draft3.0

Lower limits on ER for LR and ER

MPI penalty

Approve generation of Draft3.1

Ground Rules

IEEE Structure

Bylaws

Patent policy & patent related links

9:11am Call for patents? None voiced

Other guidelines for the IEEE WG Mtgs

Overview of IEEE 802.3 Standards Process

In the Sponsor Ballot Phase

Project Information: Organization, TF Web and Reflector

Private Area for copies of draft specifications

TF Timeline: Target to complete Sponsor by Sep 2017, ratified standard Oct 2017

Review of presentations in support of comment resolution

Future TF Meetings

Chief Editor Report (Koichi)

D3.0 comments closed on May 11

38 comments, 17 required

Classified into groups 1-5

Ad Hoc Report (Peter Jones)

Link to archived presentations

2 meetings, 3 presentations, 14 total attendees

Approval of meeting minutes

Next Steps, Further work, Next meetings.

Thanks to all ad hoc contributors and participants.

Comment Resolution (see responses, <http://www.ieee802.org/3/cc/comments/index.shtml>)

- Group 1, E/G type, propose accept*
- Group 2, E/T/G type, propose reject*
- Group 3, TR, propose to accept in principle*
- Group 4, TR/ER/GR, propose to reject*
- Group 5, Comments #34, #35, #38, DISCUSS*

11am, Comments #34, 35, 38

#34: 25GBASE-LR extinction ratio should be lowered from 3.5dB to 3dB

All Tx specs remain the same. No strong dissension. Approved by voice vote.

#35: 25GBASE-ER extinction ratio should be lowered from 4.0 dB to 3.5dB

Presentation by Ken Jackson on "Reduced Extinction Ratio Concern",

http://www.ieee802.org/3/cc/public/17_05/jackson_01_3cc_0517.pdf

Excess noise of an APD likely degrades sensitivity and may eliminate the cost savings of a low-ER transmitter and transfer to receiver.

COMMENT WITHDRAWN (Piers Dawe)

#38: Link budget doesn't allocate MPI penalty. Add allocation for MPI penalty, the amount will depend on the number and return loss of connectors assumed.

Reviewed presentation from Ad Hoc, "25GBASE-LR/ER, MPI", Jonathan King (Finisar),

http://www.ieee802.org/3/cc/public/adhoc/170510/king_01_25gsmf_051017.pdf

Various options discussed. ER and LR are different. One option change the ER Tx reflectance from 12dB to 26dB → no impact to budget. LR keep the Tx reflectance and then change the Rx sens to a lower value to accommodate the MPI penalty. Another option is to change the Tx reflectance from 12dB to 26dB for BOTH LR & ER and "problem goes away". Proposed Reject. Suggested remedy does not include specific changes to the draft. Commenter encouraged to build consensus through the Ad Hoc process to develop a specific remedy.

12:03pm, Motion #3: Chief Editor to generate D3.1 from D3.0 and the closed comments for Sponsor recirculation. Moved by Tom McDermott Seconded by Peter Jones

Y: 12 N: 0 A: 0 MOTION PASSES

Future Meeting attendance surveys (Berlin plenary Meeting, July 2017)

12:07pm, Motion #4: Motion to adjourn. Moved by Jonathan King, Seconded by Peter Jones.

Adjourn

Participants:

<i>Kohichi Tamura</i>	<i>Oclaro</i>
<i>Kenneth Jackson</i>	<i>Sumitomo</i>
<i>David Lewis</i>	<i>Lumentum</i>
<i>David Malicoat</i>	<i>Kazan Networks</i>
<i>Peter Stasser</i>	<i>Huawei</i>
<i>Pete Anslow</i>	<i>Ciena</i>
<i>Jonathan King</i>	<i>Finisar</i>
<i>Steven Trowbridge</i>	<i>Nokia</i>
<i>Peter Jones</i>	<i>Cisco</i>

<i>Mark Kimber</i>	<i>Semtech</i>
<i>Tom McDermott</i>	<i>Fujitsu</i>
<i>Bob Grove</i>	<i>RMG Consulting</i>
<i>Asami Uchiyama</i>	<i>Mitsubishi</i>
<i>John McDonough</i>	<i>NEC</i>
<i>Oded Wertheim</i>	<i>Mellanox</i>
<i>Matt Traverso</i>	<i>Cisco</i>
<i>Ed Ulrichs</i>	<i>Source Photonics</i>