

Minutes IEEE 802.3 25GSMF SG AdHoc meeting April 27th 2016

Prepared by Peter Jones

Presentations posted at:

<http://www.ieee802.org/3/25GSMF/public/index.html>

Agenda/Admin Peter Jones:

Meeting began at 2:05pm PST.

1. Reviewed the Attendance information related to the ad hoc.
2. Reminded participants to indicate full names and employer/affiliation correctly for the meeting minutes.
3. April 20th presentations and minutes have not been posted yet.
 - a. Also some older Adhocs minutes not showing as approved. David Lewis also need to update Macau minutes.
 - b. David will announced when the updates are available.
 - c. Ask for AdHoc members to review minutes before next Adhoc so we can get those approved,
4. Reminded attendees about patent policy, asked if we needed to review patent policy.
 - a. No one requested review.
5. Presented the proposed agenda.
 - a. Approved without objection.

Presentations/Discussion.

25 Gb/s Ethernet Over SMF – Timeline – David Lewis – Lumentum

- Reviewed the proposed baseline.
- Discussion about adding noFEC? If we want to go there, then we would need proposals sooner rather than later.
- General feeling of approval from the call. Presenter will bring this forward in in May, with one modification to remove an extra interim shown in the slides.

25GSMF - Baseline Proposal – Electrical, RS, PCS, PMA, FEC – Tom McDermott– Fujitsu Network Communications, Inc

- Electrical Interface - Qs
 - Chip to Chip? – do we need this? Maybe not, but it probably doesn't matter.
 - BER/Frame Loss Ratio – cross check that what is in 802.3cc objectives matches 802.3by.
- Similar To
 - Note that chip to chip is optional.
- New PMD Clause Needed
 - Propose single clause for 10/40, good all-round.

- Open Issues
 - EEE – Different levels of EEE are possible - Deep Sleep
 - Need to study 802.3by SR history.
 - Need to find interest groups.
 - OTN – objective says “Provide appropriate support for OTN” – do we just do the same as 802.3by 25GMMF?
 - Need to study 802.3by SR history.
 - Need to find interest groups.
 - Contributions encouraged.

25GbE SMF 10km/40km Optics Baseline Proposal – Kohichi Tamura – Oclaro

- Recommended Adjustments To Specifications For 25GbE 40km
 - Discussion about IEEE/ITU differences in regard to definition/expression of Tx OMA-TDP (min). Presenter to refine with help from group.
 - Discussion about Channel Insertion Loss (min) – Probably needs some data to be presented to help make a decision.
- Transmit Characteristics
 - Average launch power (max) – 2.5 or 2.0? Discussion about tradeoffs (Average launch power vs OMA vs ER). Needs review/evaluation – contributions encouraged 😊
 - Redundant specs? RIN OMA, SMSR and also maybe eye mask spec – are these really required in this spec? Hidden under TDP? Presenter to work with group. What about split to two slides (primary and secondary), and only move from secondary to primary when generally accepted.
- Receive Characteristics
 - Similar discussion about removing un-needed metrics (e.g. electrical upper cutoff frequency).
 - Presenter asks for presentations/contributions for “stressed receiver” numbers. Who are key voices in this?
- Illustrative Link Power Budget
- Summary
- Other:
 - Presenter or Chair to send out marked up copy “as presented” to mailer so that it’s available before website posting (within next day or so).

Open Discussion

- NoFEC discussion – Chair to reach out to membership on this topic.
- Need to address Clause 30? Add to list in presentation from Tom McDermott

Meeting closed – ~3:30pm PST

Attendees (from Webex + emails)

Name	Affiliation	Attended 4/27
Dave Lewis	Lumentum	y
David Malicoat	HPE	y
Derek Cassidy	ICRG	y
Gary Nicholl	Cisco	y
Ken Jackson	SEI Device	y
Kohichi Tamura	Oclaro	y
Qing Xu	Belden	y
Paul Mooney	Spirent	y
Peter Jones	Cisco	y
Piers Dawe	Mellanox	y
Rick Rabinovich	Ixia	y
Tom McDermott	Fujitsu	y
Tom Palkert	Molex	y
Attendee count		13