

IEEE 802.3aq 10GBASE-LRM Task Force Minutes July 19-21, 2005

Tuesday, July 19, 2005

Recorder: Jan Peeters Weem

8:30 AM: Introductions and General Information:

Introductions: An attendance sheet will be circulated each day of the meeting.

Welcome and Opening Session Presentation: David Cunningham. Slides available from the 802.3aq website.

IEEE-SA Standards Board Bylaws on Patents in Standards statement was presented

'Patent bylaws' was shown and read aloud by David C.

'Inappropriate topics' shown and read aloud by David C.

Timeline Discussion:

Review of Proposed Agenda

Agenda posted on the web. [Meeting time extended until 11pm for July 17th].

Agenda accepted with no objections.

Review of Objectives of the taskforce. David C.

Discussion of the Status of the draft – There was some discussion as to how to prove if a standard is 'broken'. The question was raised 'Does voting for the standard imply your support for the standard?' This was a general discussion, no votes/motions made.

Presentation of Working Group and Confirmation ballot Results.

D2.0 RespRate 50.00 Approve 76.60 AbsRate 8.74

D2.1 RespRate 54.37 Approve 79.63 AbsRate 3.57

Note - Need to add line to the chart 'New Disapproves'

Schedule time line discussed.

Observation Standard Status

TWDP

There is consensus for keeping TWDP

There is consensus that the primary objective for TWDP is to protect the receiver from bad transmitters

It has been widely recognized that TWDP of D2.0/2.1 works.

Stressor Sets

Graphical Slide – Most people agree that a 4.0dB PIE-D is workable. Fewer agree that 4.2dB is viable and an even smaller number believe 4.5 achievable.

There are some that believe that PIE -D greater then 5dB is required (no statement about whether this is doable).

Complaint

Complaint made by John George about how David Cunningham was chairing the meeting. David suggested that he take his complaint to the 802.3 chair, Bob Grow.

Editors Report – Nick Weiner. The slides are available from the 802.3aq website.

150 comments need to be resolved. 138 newly received comments on Draft 2.1

[25T 44TR, 64E 4ER]

12 unresolved from Draft 2.0.

Proposed Comment Resolution Agenda – Approved with no objections.

9:40 AM

TP2 Ad Hoc Report – Tom Lindsay – Presented slides (will be posted on the website).

10:15 AM

Michael Steib - Finisar - Presentation on encircled flux measurement.

Petar Pepeljugin - Presented one slide to answer some questions that were raised by the encircled flux talk. [He will make it available to the entire committee].

Discussion about the correct method of measuring encircled flux followed.

11:00AM

Ernie Bergmann – Circadian Systems – ‘Placement of Noise Source After Filtering’

11:15AM

John Abbott – Corning – ‘LRM OM2 Monte Carlo modeling set 50um Beta 2.2 set for review/discussion’

Comment Resolution followed the presentations. The Comment database holds the minutes for comment resolution.

Wednesday, July 20, 2005

4:45pm

David proposed a change in the agenda to allow for several groups of people to get together with the hopes of forming a consensus about the stressors/coverage argument. This change in schedule was approved with out any objections.

If there is consensus on the coverage/stressors argument then it was agreed that an additional comment resolution meeting would be held from 8pm-11pm on Wednesday evening.

There was consensus and an evening Comment Resolution session was held.

Thursday, July 21, 2005

Recorder: Peter Kirkpatrick

8:22am Nick Weiner begins comment resolution

9:26am

Motion by Nick Weiner to give Editor authorization to resolve editorial comments 1188, 1190 (all ER comments) and all outstanding editorial comments.

Mover: Nick Weiner

Seconder: John Abbott

Approved by acclamation

11:00am All comments have been resolved

Begin closing session

Motion to approve minutes from May (Austin), June (London) meetings

Mover: John Abbott

Seconder: Jonathan King

Approved by acclamation

The goals for the meeting have been met. Comment resolution on Draft P802.3/D2.1 is finished. The D2.1 big ticket issues (TWDP, Stressor Values, Range for OM2 fiber and associated model) have been resolved.

David C. led a discussion of changing the timeline.

Draft timeline 1: Send draft D2.2 for recirculation and consider at September meeting. Recirculate D2.3 and consider at October meeting, resulting in D3.0 submitted as Sponsor Ballot in November.

Draft timeline 2 is considered more realistic but with same end date for D3.0: Send draft D2.2 for recirculation and consider at September meeting. Recirculate D2.3 and consider at October meeting, re-circulate D2.4 and consider at November meeting, resulting in D3.0 submitted as Sponsor Ballot in November.

Week of October 10 may work for an interim meeting. We need a host for that meeting (802.3aq only).

Motion 1 Technical

Adopt draft timeline 2 as the timeline for 10GBASE-LRM per this presentation.

Moved: Tom Lindsay

Second: John Jaeger

Passed by voice.

Motion 2 Technical

Authorize the editor to produce P802.3aq/D2.2. Request the 802.3 Chair to issue a 22 day recirculation WG Ballot on P802.3aq/D2.2 with starting date targeted for 8th August.

Moved: Mike Dudek

Second: Ali Ghiasi

Passed by voice.

Discussion led by John Dallesasse on technical feasibility and interoperability. Proposed ad-hoc group to assemble data and show interoperability. More specific proposal that calls out demos on each fiber type and dynamic tests.

Several people believe that it is not the role of the standards committee to perform the interoperability testing, although the data is welcomed for presentation to the group.

Motion "An ad-hoc group will be formed to assemble a proposal for demonstrating "a 10¹² BER over the rated distance on a specified channel (TBD by Ad Hoc) and show interoperability between PMD's of at least three vendors for 10GBASE-LRM to support technical feasibility prior to sponsor ballot" per the 11/04 Motion for review at the September interim meeting."

Mover: John Dallesasse

Seconder: Robert Lingle, Jr.

Postponed per following motion.

Procedural Motion to postpone all of John Dallesasse's three motions to the next meeting.

Mover: Ali Ghiasi

Seconder: John Jaeger

For: 39

Against: 2

Abstain: 2

Motion passes.

Motion 3 Technical

Motion to request that the IEEE 802.3 Working Group:

- *Authorize the IEEE 802.3aq 10GBASE-LRM Task Force to respond to confirmation ballot comments and conduct re-circulations as necessary.*
- *Authorize TF to have October interim meeting per new timeline.*

Moved: Scott Schube

Second: Sudeep Bhoja

By Voice

Motion 4 Technical

Motion to request that the IEEE 802.3 Working Group:

- *If the the working group ballot process terminates (no new negative votes and no technical change) and the TF agrees that the requirements of motion 3 of November 04 on interoperation demonstration are fulfilled, authorize the IEEE 802.3 WG chair to submit D3.0 for Sponsor ballot.*

Moved: Scott Schube

Second: Sudeep Bhoja

Y: 39 N:1 A:2

Lew points out that October 13 is Yom Kippur, and important Jewish holiday.

Straw poll on willingness to visit Corning, NY in October.

Willing to go: about 20

Not willing: a few