

IEEE 802.3aq 10GBASE-LRM Task Force Minutes October 10-12, 2005

Monday, 10 Oct, 2005

Recorder: Jonathan King

9:00 AM: Introductions and General Information:

Introductions (approx 36 persons present)

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.

Goals for meeting - comment resolution on Draft P802.3/D2.3 and final planning and preparations for achieving Sponsor Ballot out of the November IEEE 802.3 Plenary meeting.

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

D2.2 RespRate 58.25 Approve 83.33 AbsRate 5.0

D2.3 RespRate 59.71 Approve 84.62 AbsRate 4.88

Schedule Timeline update and discussion

Discussion of whether comments needed to be resolved to satisfaction of commenter; R Grow clarified that comments which had the same content as previously addressed comments could be ruled as being not new comments. No substantive changes are permitted in draft 2.4 in order to fulfill the 802.3 requirement of 'no changes' prior to D3.0.

Review of Proposed Agenda

Agenda posted on the web. Agenda accepted with no objections.

9:30 AM: Editors Report. Nick Weiner

Discussion of the status of the draft and proposed comment resolution agenda

Slides available on the 802.3aq website. Total of 49 comments submitted (14 T, 16 TR, 22 E)

No objections to comment resolution agenda.

9.40 AM Presentations session

9.40 AM Link budget - M Dudek - slides on 802.3aq website

Slides comparing D2.1 and D2.3 link budget.

Discussion on where the 0.5dB TWDP 'extra' penalty should be put in a link budget, and whether budget should be perfectly closed. Current budget has some implicit margin

10.0 AM: Investigation of the 10GBASE-LRM Encircled Flux - David Cunningham et al

Presentation of experimental and modeling work supporting a revision of the Encircled flux definition to 30% at 5um and 80% at 11um.

Discussion of whether the EF definition should be tighter (to keep PIE-D lower) or looser (to allow higher TOSA yields)

10.55 AM Break

11.15 AM TP2 and TP3 Parameter Measurement Readiness - Jonathan King et al

Presentation and discussion of TP2 and TP3 parameter measurement data, showing manufacturability and testability of TP2 and TP3 specs.

12.15 PM Lunch

1.40 PM Symmetric & Near-Gaussian Pulses and the TWDP Stressor Set - John Abbott

Presentation proposing a new near Gaussian stressor because offset launches have a more gaussian response (with higher PIE-D) than the split symmetric stressor.

2.00 PM Issues with the Split Symmetric Stressor - Piers Dawe

Presentation arguing that symmetric impulse channel is associated with centre launches only and that there is room to increase the link budget for centre launches, since connector loss is lower.

3.00 PM Break

3.25 PM 10GBASE-LRM Interoperability & Technical Feasibility - Dan Rausch

Presentation of results of interoperability testing.

Discussion of interoperability test results and experimental set up

Motion 1 to accept interoperation test report as below

Motion 1

- Move to accept this report as fulfillment of the requirements of the motion quoted below from the November 2004 10GBASE-LRM meeting as a prerequisite to Sponsor Ballot;
 - Motion # 3 Move that IEEE 802.3aq demonstrate a 10⁻¹² BER over the rated distance on a specified channel (TBD) and show interoperability between PMD's of at least three vendors for 10GBASE-LRM to support technical feasibility prior to sponsor ballot
 - Moved: Dan Rausch
 - Seconded: Lew Aronson
 - Results: For: 24 Against: 11 Abstain: 0
- Motion fails

During discussion of motion 1, a motion 2 was made to postpone motion 1 until the November plenary. This motion was deemed procedural by the chairman and failed

Motion 2

- Move to postpone Motion 1 until November plenary
 - Moved: John Callesasse
 - Seconded: Steve Swanson
 - Results: For: 12 Against: 16 Abstain: 8
- Motion fails

Further discussion of motion 1 terminated in a vote; motion 1 failed

5.30PM Close

Tuesday, 11 Oct, 2005

8:30 AM: Comment Resolution

(minutes recorded in comment data base)

7.30PM close

Wednesday, 12 Oct, 2005

8:30 AM: Comment Resolution

presentations in support of comments

Analyzing split symmetric pulses - John Ewen - shows MC67 has rare occurrence of strong split symmetric

Split-symmetric stressor and power - update - Piers Dawe - suggests 0.8 pulse split and increased test power for symmetric stressor

Comment resolution order of day: comments 54, 15, 17, 14

Request made to change order of day to 14, 15, 17, 54 - accepted
comment 14 withdrawn

Request made to change order of day to 54, 15, 17- accepted

Request made to change order of day to 17, 15, 54 - accepted

(minutes recorded in comment data base)

Motions

Motion 1_1205 Technical

Authorize the editor to produce P802.3aq/D2.4 as the hopefully final WG recirculation draft prior to sponsor ballot. Request the 802.3 Chair to issue a 15 day recirculation WG Ballot on P802.3aq/D2.4 with starting date targetted for 17th October 2005.

Moved Piers Dawe; Second Jonathan King

Y: 22 N: 0 A: 1

Motion passes

12:30 PM Close