

IEEE P802.3av «10GEPON» Task Force

Closing Report to IEEE 802.3 WG

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Orlando, FL

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Task Force Editors

- Chief Editor: Duane Remein, Alcatel-Lucent
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- Assistant Editor: Marek Hajduczenia, Siemens
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- Both editors were confirmed by the task force unanimously

Meeting Summary

- Reviewed 23 presentations
 - Optical Link Modeling ad hoc: 2
 - FEC Framing ad hoc : 5
 - Dual-Rate PMD ad hoc : 3 (?)
 - Power Budgets ad hoc : 6
 - Rate Increase Analysis ad hoc: 2 (completed)
 - Other Topics: 5

Motion 1 – FEC Overhead

- **10GEPON shall accommodate FEC's parity bandwidth by reducing the MAC's effective data rate (sub-rating).**
- M: Frank Effenberger
- S: Jeff Mandin
- Y: 34 N: 0 A: 1

Motion 2 –FEC baseline scheme

- **Accept the scheme outlined in slides 3-7 in 3av_0703_mandin_2.pdf as the baseline scheme for upstream FEC framing and synchronization.**
- M: Jeff Mandin
- S: Frank Chang

- Y: 28 N: 0 A: 8

Motion 3 – FEC Codeword Format

- **Accept as a baseline scheme the FEC codeword structure depicted in the illustration on slide 5 in 3av_0703_mandin_2.pdf for the downstream (so that the FEC codeword structures on the upstream and downstream are identical).**
- M: Jeff Mandin
- S: Frank Effenberger
- Y: 27 N: 0 A: 9

Action Items for May

- Revise Link Model Spreadsheet Interface (Marek)
 - No changes to equations
- Review Link Model Spreadsheet
 - Be ready to vote to approve equations (not values) or say what is wrong
- Review Power Budget proposals (3av_0703_effenger_5.pdf pages 5-7)
 - Finalize penalties of dual rate PMD
 - Be ready to vote to approve or say what is wrong and suggest alternatives
- Wavelength Plan Proposal (Tanaka)

Action Items for May (Cont.)

- Work on consolidating FEC proposals
 - Simulation for impact of not aligning /S/ to byte 0 (Glen)
 - Function to remove Idles (sub-rating)
 - Placement of Data Detector
 - Verification of final state machine(s) (Marek)
- PMD types and naming (Duane)
 - How many, how to name
 - Once agreed by the TF, prepare overview for IEEE 802.3 (Glen)
- Outline of clauses, maybe some introduction text, description of objectives (Duane & Marek)

Motion 6 – Meeting Planning

- **P802.3av TF asks 802.3 WG to allocate at least 2.5 days for 802.3av meetings at May meeting in Geneva**
- M: Frank Chang
- S: Duane Remein
- Y: 23 N: 0 A: 7

Straw Poll – May 07 Meeting

- I will attend 802.3av meeting in Geneva on May 28-31, 2007
 - Yes: 23
 - No: 1
 - Don't know: 8
 - Total in the room: 32

Straw Poll – September 07 Meeting

- I will attend 802.3av meeting in Seoul on September 17-20, 2007

– Yes: 12

– No: 0

– Don't know: 17 (mostly - need cost approval)

– Total in the room: 32