

# IEEE P802.3av GEPON Task Force

## Meeting Summary and Action Items

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Orlando, FL  
March 15, 2007

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# Meeting Summary

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- 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

# Motions 1 – FEC Overhead

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- **10GEAPON 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

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- **Accept the scheme outlined in slides 3-7 of this presentation as the baseline scheme for upstream FEC framing and synchronization.**
- M: Jeff Mandin
- S: Frank Chang
- Y: 28                      N: 0                      A: 8

# Motion 2 –FEC baseline scheme

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- Accept the scheme outlined in slides 3-7 ~~of this presentation~~ 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

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- **Accept as a baseline scheme the FEC codeword structure depicted in the illustration on slide 5 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

# Motion 3 – FEC Codeword Format

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- **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

# Motion 4 – Document Structure

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- **The 802.3av Task Force approves the creation of two clauses as presented in 3av\_0703\_remein.pdf slides 7, 8, & 9. Outline of the clauses may be modified as necessary.**
- M: Duane Remein
- S. Marek Hajduczenia
- Y: 25                                      N: 0                                      A: 4



# Motion 5 – Upstream Coexistence

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- For the 10GEAPON upstream, the TDMA at 1310nm coexistence method is conditionally selected as baseline, unless technically and economically feasible link budgets cannot be found for all cases.
- M: Frank Effenberger
- S: Brian Holden
- Y: 32                                      N: 0                                      A: 0

# Action Items for May

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- 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.)

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- 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)

# Future IEEE 802 Plenary Meetings

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## 2006

March 5-10	Hyatt Regency Denver at the Colorado Convention Center, Denver, Colorado USA
July 16-21	Grand Hyatt Manchester, San Diego, CA USA
November 12-17	Hyatt Regency Dallas, TX USA

## 2007

March 11-16	Caribe Royale, Orlando Florida USA
<b>July 15-20</b>	<b>Hyatt Regency San Francisco, CA USA</b>
<b>November 11-16</b>	<b>Hyatt Regency Atlanta, GA USA</b>

## 2008

<del>March 16-21</del>	<del>Hyatt Regency New Orleans, Louisiana USA</del>
<b>July 13-18</b>	<b>Hyatt Regency Denver at the Colorado Convention Center, Denver, Colorado USA</b>
<b>November 9-14</b>	<b>Hyatt Regency Dallas, TX USA</b>

# Upcoming Interim Meetings

- May 28-31, Geneva, Switzerland

IEEE 802.1, 802.3 & 802.17 and Joint IEEE/ITU-T Workshop on Carrier Ethernet

Room	Size	Monday, 28 May			Tuesday, 29 May			Wednesday, 30 May			Thursday, 31 May			Friday, 1 June		
		morning	afternoon	evening	morning	afternoon	evening	morning	afternoon	evening	morning	afternoon	evening	morning	afternoon	evening
C1	108															
C2	108		802.3 HSSG									Joint IEEE/ITU-T Workshop				
H1	50		802.1 Interworking													
H2	50	802.1	802.1 Interworking													
K1	50		802.3at POE													
L1	30		802.1 Congestion													
L2	30		802.1 AVB													
M1	30		802.3av EPON				802.3 EEESG									
M2	30		802.3av EPON				802.3 EEESG									
V49	12		802.3 Maintenance		802.17 RPR											

- September 17-20, Seoul, Korea

# Motion

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- 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

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- 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

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- 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