

Closing Report

IEEE P802.3ca 100G-EPON

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- ❑ 1.25 hours total for IEEE and ITU PON
- ❑ Script:
 - Two presentations:
 - 802.3ca status
 - » Short history
 - » Current objectives
 - » Brief technical decisions
 - PON Convergence
 - » ULID/PLID/GLID/MLID
 - » Fragmentation
 - » Coexistence w/ legacy PON technology
- ❑ 30 minutes for IEEE presentations, 30 minutes for ITU presentations, 15 minutes for Q&A

□ Upcoming meetings:

- Bi-weekly meetings: December 7, December 21, January 4 (2018), January 18 (2018)
- F2F meeting in Geneva: week of January 22, 2018

Decisions/Contributions to make for upcoming meetings

□ Actions:

- Power budget

- Close on 25Gbps power budget (Ed/Dekun/Umeda)
- Characterization method for both transmitter and receiver (Dekun, John J, Vincent, Junwen, Frank, Greg, Umeda-san)

~~— MPCP/MPRS~~

- ~~• Discovery process / configuration / ONU capabilities field in RegREQ (Glen Oct 12 — Glen to doodle poll)~~

- Fault Tolerance/Recovery/Loss of Channel

- Wavelength plan

- ~~• Peacemaker plan (Glen/Frank/Ed/Yong)~~

- Line coding – downstream (Glen, Frank, Duane, Mark)

Decisions/Contributions to make for upcoming meetings

❑ Actions (cont):

– Upstream FEC information

- Comparisons of parity matrices and different FEC (Mark/Bill/Bo)
- Loud/soft ONU analysis – (Bill)
- Operating in burst mode at $1E-2$ (Vincent)
- Latency (Shan)
- Define a common set of assumptions and parameters common to all FEC analyses
 - » Mark to send email after noodling

– SERDES/CDR

- Check margin for 10^{-2} input BER (Yin, Ryan)
- Sync patterns, burst delimiters (need to decide on line coding first) (Frank, Marek, Glen, Mark)

– PCS

- State diagrams (Glen, Duane)

– 50G single wavelength

- Technical feasibility of upstream bursts
- Wavelength plan
- Power budget
- Modulation

Thank you!