



# Informal Minutes

June 2019 teleconference

Frank Effenberger

# Administrative

- ▶ Meeting was called to order 2:30 EDT June 27, 2019
- ▶ Attendees included:
  - ▶ Glen Kramer, Broadcom
  - ▶ Vince Ferretti, Corning
  - ▶ John DeAndrea, Finisar
  - ▶ Frank Effenberger, Futurewei
  - ▶ Duane Remein, Futurewei
  - ▶ Shan Wey, ZTE
  - ▶ (If you attended and are not listed above, please contact me)
- ▶ The various IEEE 802 policies were read
- ▶ There were no patent declarations made at the meeting

# 40 km objective

- ▶ This spoke to the fact that a 40km objective for access is different than for typical LAN/MAN applications
  - ▶ Lifespan is much longer, no engineering possible, etc.
- ▶ It seems appropriate that a higher loss budget is useful and we will specify it
- ▶ The initial projection was 25 dB; however, there were several questions on this
  - ▶ Considering fiber specifications, G.652 tells us that the loss of installed fiber should be  $>0.5$  dB/km (spliced and everything). 40 km should then be 20 dB, plus 2 dB for connectors gives perhaps 22 dB
  - ▶ Considering PON link budgets, 20 km and 32 split is 29 dB. Subtracting the splitter loss (17.5 dB) gives 11.5 dB. Multiply 2x for 40 km gives 23dB
- ▶ Path forward on this issue
  - ▶ Look for operators who have some actual measured data on real access links
  - ▶ Look for guidance from other fiber standards on link engineering norms

# Clause 157 Proposed edits

- ▶ This presented the editor's current thinking on how to restructure this clause to better fit our PMD types
- ▶ This was generally well received
- ▶ Naming topic came up
  - ▶ Current agreements are to take the LR and ER specs as our first cut at the 10 km and 20 km objectives
  - ▶ 40 km will likely be a new budget
  - ▶ These will use the homogeneous naming system: BR10, BR20, and BR40