

# Meeting Minutes

**Group:** IEEE P802.3cs Physical Layers for increased-reach Ethernet optical subscriber access (Super-PON) Task Force

**Event:** March Plenary meeting via conference call

**Date:** April 2, 2020

**Location:** WebEx Conference Call

## Opening

10:00 AM PDT: The meeting was called to order by Claudio DeSanti, the Task Force chair.

Note: all URLs prefaced with <http://www.ieee802.org/3/cs/public/202003/> unless otherwise noted.

### Motion #1

Move to approve the agenda as recorded in 20200402-Agenda.pdf

Moved: Glen Kramer                      Second: Vince Ferretti

Procedural (>50%)                      Passed by voice without opposition

### Motion #2

Move to approve the minutes of the past meetings

- January 21, 2020 [http://www.ieee802.org/3/cs/public/202001/20200121-Minutes\\_P802d3cs\\_Geneva.pdf](http://www.ieee802.org/3/cs/public/202001/20200121-Minutes_P802d3cs_Geneva.pdf)

- February 27, 2020 <http://www.ieee802.org/3/cs/public/AdHoc/20200227-Minutes.pdf>

Moved: Vince Ferretti                      Second: Bill Powell

Procedural (>50%)                      Passed by voice without opposition

The Chair gave his opening report including decorum, goals, big ticket items, reflector, web site, process, etc.

10:16 AM PDT: The chair made a call for patents; no response was made.

## Presentations

All presentations are in the following format:

Presentation #

<b>Title</b>	Presenter	affiliation
Comments		
Filename:	FileRef	

Presentation # 1

<b>Super-PON Link Budget Analysis</b>	Liang Du	Google
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This presentation recommended using premium grade optical splitters and CAWGs to reduce the link budget required to achieve the objectives (50 km with 64-way power split). It also recommended operating in DS C-band and US L-band to avoid Raman penalties on the US channels, allowing the link budget to be closed using similar ONU output powers to NG-PON2 specification. Additionally, the implementation of the high-power EDFA in the DS direction will be easier in the C-band.

Filename: 20200402-Du\_3cs\_01a

Presentation # 2

<b>Super-PON Draft Updates</b>	Liang Du	Google
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This presentation recommended new draft values for parameters based on recommendations of Super-PON Link Budget Analysis presentation, 20200402-Du\_3cs\_01a.

Filename: 20200402-Du\_3cs\_02a

Presentation # 3

<b>Super-PON enhancements for clause 142</b>	Claudio DeSanti	Dell Technologies
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This presentation recommended enhancements to clause 142, Physical Coding Sublayer and Physical Media Attachment for Nx25G-EPON. (More contributions will be required to reach consensus. Claudio will send suggested changes to Glen Kramer. Glen also recommended adding extensions to clause 142 within this document instead of revising clause 142 itself.)

Filename: 20200402-DeSanti\_3cs\_01

Presentation # 4

<b>Super-PON enhancements for clause 143</b>	Claudio DeSanti	Dell Technologies
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This presentation recommended enhancements to clause 143, Multi-Channel Reconciliation Sublayer. (Glen Kramer recommended adding extensions to clause 143 within this document instead of revising clause 143 itself.)

Filename: 20200402-DeSanti\_3cs\_02

Presentation # 5

<b>Super-PON enhancements for clause 144</b>	Claudio DeSanti	Dell Technologies
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This presentation recommended enhancements to clause 144, Multipoint MAC Control for Nx25G-EPON. (More contributions will be required to reach consensus. Claudio will send suggested changes to

Glen Kramer. Glen also recommended adding extensions to clause 144 within this document instead of revising clause 144 itself.)

Filename: 20200402-DeSanti\_3cs\_03

## Comment Resolution

No comments were submitted during this period.

Task Force agreed to move Working Group Ballot from May 2020 to September 2020.

Task Force agreed to wait to send further liaisons to ITU-T Q2 until after our May meeting.

## Motions and Closing

### Motion #3

Move to instruct the editor to generate P802.3cs draft 0.6, using draft 0.5 as baseline and incorporating the modifications specified in 20200402-Du\_3cs\_02a.pdf

Moved: Liang Du                      Second: Vince Ferretti

For: 3                      Against: 0                      Abstain: 0

Technical (≥75%)                      Motion Passed

The Chair proposed an adhoc teleconference for April 30, 2020 @ 10:30am PDT prior to the Interim teleconferences planned for the week of May 18, 2020.

### Motion #4

Move to adjourn.

Moved: Liang Du                      Second: Bill Powell

Procedural (>50%)                      Passed by voice without opposition

12:16 PM PDT: The meeting was adjourned.

## Attendees

Name	Employer	Affiliation
Bill Powell	Nokia	Nokia
Claudio DeSanti	Dell Technologies	Dell Technologies
Glen Kramer	Broadcom	Broadcom
Liang Du	Google	Google
Vince Ferretti	Corning	Corning