

Extended EPON Study Group opening plenary report

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Email reflector and web

- » Currently 96 subscribers on Extended EPON SG reflector
- » To subscribe to Extended EPON SG reflector, send email to: listserv@ieee.org and include this line in the body of the message:
subscribe stds-802-3-EXTND-EPON firstname lastname
- » Detailed information is available at:
[http://www.ieee802.org/3/EXTND EPON/reflector.html](http://www.ieee802.org/3/EXTND_EPON/reflector.html)
- » Study Group web page URL:
[http://www.ieee802.org/3/EXTND EPON/index.html](http://www.ieee802.org/3/EXTND_EPON/index.html)

Project documents

- » Project Authorization Request (PAR)

[ExEPON PAR approved.pdf](#)

- » Project Objectives

[ExEPON Objectives approved.pdf](#)

- » 5 Criteria

[ExEPON 5Criteria approved.pdf](#)

- » Public website

[http://www.ieee802.org/3/EXTND_EPON/index.html](#)

- » Private website

- > None so far

2012 January Interim

- » ExEPON SG met for one day on Wednesday (avoiding conflict with EPoC SG)
- » We have examined 3 technical contributions:
 - > One with technical proposals to address objectives of the project
- » No technical decisions were taken, but this contribution will be re-examined at TF level and potentially turned into a baseline proposal pending TF approval
- » Informal communication to CCSA was prepared, approved and sent out, outlining the work plan of the SG and future TF and indicating interest in cooperation on development of extended EPON optics' specifications
- » All materials from the meeting are posted on the web at:
http://www.ieee802.org/3/EXTND_EPON/public/1201/index.html

Plans for this meeting (I)

- » Hold meeting on Tuesday morning and Wednesday morning, interleaving with Maintenance, joint 802.1/802.3 meeting, CFIs, EPoC SG and 802.3.1a group.
- » Go through 1 technical contribution addressing coexistence of different PMD types on the same ODN and migration scenarios.
- » Examine LL from CCSA received prior to the meeting, and if needed, generate and approve response to it.

Plans for this meeting (II)

- » Examine any comments against PAR, 5 Critters and Objectives received by 5pm Tuesday (tomorrow).
Produce responses and deliver by 5pm Wednesday (day after tomorrow).
Produce updates to project documentation and seek re-approval at the closing plenary, if needed.
- » Seek extension of the SG validity period by another 6 months to complete technical work on PAR, 5 Critters and objectives.
- » All materials from the meeting are / will be posted at:
http://www.ieee802.org/3/EXTND_EPON/public/1203/index.html

802 comments received so far

Comments from Paul Nikolich

- » The scope and purpose (specifically when referring to "loss budgets") could use clarification for NesCom members that are not familiar with optics
- » I suggest the following changes (marked in red)
 - > 5.2 Scope: The scope of this project is to amend IEEE Std 802.3 to add at least one physical layer specification, possibly **optical** power budget extenders, and management parameters necessary for EPON to support **optical** loss budgets in excess of those specified in IEEE Std 802.3-2008 and IEEE Std 802.3av-2009.
 - > 5.4 Purpose: The purpose of this project is to extend the **optical** loss budgets supported by Ethernet Passive Optical Networks to support higher density and longer reach applications, while optimizing costs of ownership.
- » I think it would also be wise to add the objective of "1:64 split at 20 km" in the PAR, most likely in the Purpose statement.

Other comments received so far

- » Comments from NesCom were received as well
- » These will be handled by 802.3 WG Chair as the Sponsor Chair Designee

Thank You!

