Extended EPON Study Group closing plenary report

Marek Hajduczenia, ZTE Corporation

marek.hajduczenia@zte.pt

Extended EPON Study Group
802.3 Plenary Meeting, Waikoloa, HI, USA – March 2012

Email reflector and web

» Currently 97 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

» Study Group web page URL:
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

Activities this week (I)

» Held half a day meeting on Tuesday and a 30 minute closing meeting on Wednesday morning.

» Average attendance: 10 people ("overlap-with-EPoC" effect)

» Went through 1 technical contribution addressing coexistence of different PMD types on the same ODN and migration scenarios. Additional examples were requested for the next meeting.

» Communication from CCSA received prior to the meeting was examined. Informal communication in response was generated and SG Chair will deliver to addressees after the closing plenary.

Activities this week (II)

» Examined all comments against PAR, 5 Critters and Objectives received by 5pm Tuesday.
Responses to individual comments were produced, approved by SG and delivered to EC reflector by 5pm Wednesday.
Updated PAR document is presented for approval at WG (next slides)

» All materials from the meeting are / will be posted at:
http://www.ieee802.org/3/EXTND_EPON/public/1203/index.html

SG responses to received comments (I)

» Comment:

> 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.

» Response from SG:

> Approve

> SG Chair to update PAR accordingly.

SG responses to received comments (II)

» Comment:

> 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.

» Response from SG:

> Reject

> No other projects within 802.3 has ever included any of the objectives in their PAR statement or purpose. The SG believes it is inappropriate to include objectives in the PAR.

Motion #1

» Move that 802.3 Working Group approve the Extended EPON Study Group PAR, as recorded in ExPON_1203_PAR_updated.pdf.

» Moved by: M. Hajduczenia on behalf of Study Group

» Technical (≥ 75%)
» Y: 67, N: 1, A: 26
» Motion passes

Motion #2

» Move that IEEE 802.3 Working Group request to the EC to extend the Extended EPON Study Group.

» Moved by: M. Hajduczenia on behalf of Study Group

» Procedural (> 50%)
» Y: 77, N: 1, A: 6
» Motion passes

Next meeting

» Planned for a two-day meeting on Thursday and Friday, with no overlap with EPoC SG

» If project documents are approved, this will be the first meeting of the Task Force

» We plan to work towards adopting baselines and potentially create the first draft out of the meeting

Thank You!