

Meeting Minutes

Group: IEEE 802.3 NE-EPON Study Group

Event: Study Group Plenary meeting

Date: **From:** 10 Nov, 2015 **To:** 12 Nov 2015

Location: Dallas TX, USA

Minutes

10 Nov 2015

1:05 PM – The meeting was called to order by the Chair (Curtis Knittle). Introductions were made and the chair gave his opening report.

Motion #1

Approve the agenda for Study Group meeting to be held Nov 10-12, 2015, in Dallas, TX, located in file http://www.ieee802.org/3/NGEPONSG/public/2015_11/ngepon_1511_agenda_v1.pdf

Moved: Marek Hajduczenia Seconded: Duane Remein

Procedural > 50% Passed by voice without opposition

Motion #2

Approve the meeting minutes from Study Group meeting held September 2015, in Bonita Springs, FL http://www.ieee802.org/3/NGEPONSG/public/2015_09/ngepon_1509_minutes_unapproved.pdf

Moved: Kevin Noll Seconded: Bill Powell

Procedural > 50% Passed by voice without opposition

The Chair reviewed meeting decorum, goals for meeting, the Study Group reflector & WEB page, IEEE Organization & by laws, Guidelines for IEEE-SA Meetings, IEEE process.

Presentations and Discussion

1:30 PM – started review of presentations

Multi-Lane PHY Specifications in 802.3 **Marek Hajduczenia**

Bright House Networks

A survey of multi-Lane history / solutions within 802.3.

NG-EPON Architecture Initial Thoughts **Marek Hajduczenia**

Bright House Networks

A review of 802.3ba & 802.3bs multilane solutions including an outline of items needing to be addressed within NG-EPON.

Experimental Update on PONs with Duobinary Detection

Vincent Houtsma (presented by E. Harstead)

Alcatel-Lucent

NG-EPON Architecture**Marek Hajduczenia****Bright House Networks**

Suggestions on PMD work plan for multi-lane EPON. The presentation identified some issues that are particular to EPON with US multi-lane and suggested a very high level solution.

Discussion of service requirements for PON channel bonding**Frank Effenberger****Huawei**

A review of high level requirements / issues for multi-lane NG-EPON systems.

Extensible Architecture for NG-EPON (Feasibility)**Duane Remein****Huawei**

A high level overview of potential multi-lane solutions in respect to 802.3 layering model.

Extensible Architecture for NG-EPON Bonding in RS (Option D)**Duane Remein****Huawei**

An overview of a multi-lane solution for EPON that allows mixed ONUs on the same ODN.

Granting in a multi-lane environment**Duane Remein****Huawei**

An overview of a multi-lane issues for US EPON.

Discussion on PAR, Objectives (continued). The chair reviewed additional communication on PAR comments.

Motion #5

Approve the following Scope for P802.3ca PAR: The scope of this project is to amend IEEE Std 802.3 to add physical layer specifications and management parameters for symmetric and/or asymmetric operation at 25 Gb/s, 50 Gb/s, and 100 Gb/s MAC data rates on point-to-multipoint passive optical networks with distance and split ratios consistent with those defined in IEEE Std 802.3-2015.

Moved: Duane Remein

Seconded: Kevin Noll

For: 21

Against: 0 Abstain: 0

Technical >= 75% Passed

Motion #6

Study Group authorizes the Chair to request an extension to the NG-EPON Study Group for an additional 6 months.

Moved: Marek Hajduczenia

Seconded: Kevin Noll

For: 21

Against: 0 Abstain: 0

Technical >= 75% Passed

The group had a discussion on a potential Timeline for the project.

4:30 PM recessed for the day.

12 Nov 2015

9:00 AM The Chair called the meeting to order
Presentation and discussion (cont)

24.	Mallette	Edwin	Bright House Networks	x		
25.	Migueluez	Phil	Comcast	x	x	x
26.	Nikolich	Paul	802 Chair	x		
27.	Noll	Kevin	Time Warner Cable	x	x	x
28.	Park	Moon	OE Solutions	x	x	x
29.	Peters	Michael	Sumitomo	x	x	x
30.	Powell	Bill	Alcatel-Lucent	x	x	x
31.	Remein	Duane	Huawei	x	x	x
32.	Salinger	Jorge	Comcast			
33.	Suzuki	Kenichi	NTT	x	x	x
34.	Swanson	Steve	Corning	x	x	
35.	Tajima	Akio	NEC			
36.	Tucker	Ryan	Charter	x	x	x
37.	Umeda	Daisuke	Sumitomo			
38.	Umnov	Alexander	Corning	x	x	
39.	Wolff	Peter	Time Warner Cable			
40.	Wu	Karl	Luster			
41.	Xu	Yu	Huawei	x	x	
42.	Yuan	Liquan	ZTE			
43.	Zhang	Huanlin	Applied Optoelectronics	x		