

Meeting Minutes

Group: IEEE 802.3 Bidirectional 10 Gb/s, 25 Gb/s, and 50 Gb/s Optical Access PHYs (NGBiDi) Study Group

Event: Plenary meeting

Date: 14 November 2018

Location: Bangkok Thailand

Opening

11/14/2018 8:00 AM The meeting was called to order by Frank Effenberger, the Study Group Chair. Duane Remein volunteered to serve as recording secretary.

Unless noted otherwise all files referenced in these minutes are located at the following URL: <http://www.ieee802.org/3/NGBIDI/public/1811/>.

Introductions were made and the Chair proposed an agenda.

Motion # 1
Move to approve the agenda as shown in 181114_Study_Group_agenda.pdf.
Moved: Claudio DeSanti Second: Duane Remein
Procedural (>50%) Motion Passed by Voice without opposition

Motion # 2
Approve the Minutes of 802.3 BiDi Study Group meeting held September 2018, in Spokane WA as shown in minutes_unapproved_1025BiDi_SG_0918_Spokane_v2.pdf and post as minutes_approved_NGBiDi_SG_0918.pdf.
Moved: Duane Remein Second: Mark Laubach
Technical (>75%) Motion Passed by Voice without opposition

The Chair gave his opening report including meeting goals, big ticket items, SG reflector, SG Web site, private area, ground rules, IEEE structure, and bylaws & rules and stated that anyone in the room may vote. The Chair reviewed the IEEE Participation guidelines, the IEEE process, and attendance tool. (See 1118_BIDI_Study_Group_agenda_Revised.pdf)

11/14/2018 8:12 AM the Study Group began reviewing and discussing submitted presentations.

Presentations and Project Documentation

All presentations are in the following format:

Presentation #	#		
Title		Presenter	affiliation
Comments			
Filename:	FileRef		

Presentation # 1

PHY based Silent Start

Hanhyub Lee

ETRI

This slide set was presented and discussed. This presentation reviewed considerations for achieving silent start, it suggested that the 1358 nm band be avoided so that, if aP2P optical module is plugged into the ONU, it would be unlikely to receive a valid DS signal and thus turn off the Optical transmitter.

Filename: 181114a_SilenceStart_hhlee.pdf

Presentation # 2

Bidirectional Loss Budgets

Frank Effenberger

Huawei

This slide set was presented and discussed. This presentation reviewed the basics of a BiDi optical loss budget concluding that it will be similar to the LR4 and ER4 loss budget. This implies reuse of LR4/ER4 optical components might be feasible. There was some discussion regarding the number of connectors and splices over the life of the ODN.

Filename: 181114_BidiBudgets_Effenberger.pdf

Presentation # 3

PAR draft

Frank Effenberger

Huawei

The Chair reviewed comments received against the PAR CSDs and Objectives (see 1118_BIDI_Study_Group_agenda_Revised.pdf pg 25-27). Changes in the PAR (see <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0175-00-00EC-ieee-p802-3cp-draft-par.pdf>) were reviewed and discussed.

Motion # 3

Move that the SG approve PAR as shown in P802_3cp_PAR_Detail_131118.pdf, and forward to 802.3 for their approval.

Moved: Frank Effenberger

Second: Claudio DeSanti

For: 18 Against: 0

Abstain: 0

Technical (>75%)

Motion Passed

The proposed changes to the CSDs (see <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0176-01-00EC-ieee-p802-3cp-draft-csd.pdf>) were reviewed and discussed.

Motion # 4

Move that the SG approve CSD as shown in [ec-18-0176-01-00EC-ieee-p802-3cp-draft-csd-csd_Modified181114.pdf](https://mentor.ieee.org/802-ec/dcn/18/ec-18-0176-01-00EC-ieee-p802-3cp-draft-csd-csd_Modified181114.pdf), and forward to 802.3 for their approval.

Moved: Mark Laubach

Second: Marek Hajduczenia

For: 17 Against: 0

Abstain: 0

Technical (\geq 75%)

Motion Passed

Attendance

Full Name	Employeeer	Affiliation(s)	14- Nov
Jose Castro	Panduit	Panduit	x
Claudio DeSanti	Google	Google	x
Liang Du	Google	Google	x
Frank Effenberger	Huawei	Huawei	x
Marek Hajduczenia	Charter	Charter	x
Mark Laubach	Broadcom Inc..	Broadcom Inc..	x
Hanhyub Lee	ETRI	ETRI	x
Dekun Liu	Huawei	Huawei	x
Jacob Meachen	Semtech	Semtech	x
Kevin Noll	Tibit Communication	Tibit Communication	x
Duane Remein	Huawei	Huawei	x
Jia Long Shuai	Huawei	Huawei	x
Andre Szczepanek	1452 Consulting	HiLight Semi	x
Yu Xu	Huawei	Huawei	x
Liquan Yaun	ZTE Corp	ZTE Corp	x
James Young	Commscope	Commscope	x