

Meeting Minutes

P802.3bv Gigabit Ethernet over Plastic Optical Fiber Task Force March 11-12, 2015

Sonnenallee, Berlin, Germany

ESTREL BERLIN, Germany

Chair: Bob Grow

Recording Secretary: Yoshihiro Tsukamoto

Attendees: Bob Grow, RMG Consulting/KDPOF, GEPOF TF Chair

Carlos Pardo, KDOPF

Rubén Pérez de Aranda, KDPOF

Philippe Bolle, Skylane optics

Dylan Loughnan, Firecomms

Yasuaki Kawatsu, Hitachi metals

Yasuhiro Hyakutake, Adamant

Hayato Yuki, AutoNetworks Technology

Satoshi Takahashi, POF Promotion

Thomas Lichtenegger, Avago Technologies

Bernd Horrmeyer, Phoenix Contact

Keisuke Kawahara, Furukawa Electronic

Takayuki Tajima, Yazaki

Naoshi Serizawa, Yazaki

Takehiro Hayashi, HAT Lab

Shigeru Kobayashi, TE Connectivity

Manabu Kagami, Toyota Central R&D

Yojiro Mori, Nagoya University

Eugene Dai, Cox

Josef Faller, Homefibre

Steve Carlson, IEEE802.3 Executive Secretary

Jürgen Herrle, Audi

Thomas Hogenmueller, Bosch

Wael Diab, Huawei

Marek Hajduczenia, , Bright House Networks

Alecsander Eitan, Qualcomm

Yoshihiro Tsukamoto, Mitsubishi Rayon

Wednesday March 11, 2015

8:15 Call to order with opening presentation by Bob Grow

- Motion #1: Approve agenda

Approved by voice without opposition

-Motion #2: Approve minutes of Atlanta interim meeting.

Motion: Bernd Horrmeyer

Second: Rubén Pérez de Aranda

Approved by voice without opposition

8:35 Bob Grow reported we had received a confirmation response to our January liaison letter ,:

[Liaison from ISO/IEC JTC 1 SC 25/WG 3 on GEPOF](#)

Presentations

9:00- Rubén Pérez de Aranda/ KDPOF: [PCS Encoding proposal](#)

9:55- Naoshi Serizawa/Yazaki. [GEPOF Channel Ad Hoc activities](#)

10:25- Intermission

10:55- Rubén Pérez de Aranda - KDPOF: [Physical Header Data content for PCS proposal](#)

11:15- Rubén Pérez de Aranda - KDPOF: [PMA control state machines proposal](#)

12:30 - 13:15 Lunch Break

13:30- Rubén Pérez de Aranda - KDPOF: [PCS level Operations, Administration and Management \(OAM\) proposal](#)

14:30- Shigeru Kobayashi - TE connectivity: [EAF Measurement Method](#)

15:05 – Intermission

15:30- Rubén Pérez de Aranda - KDPOF: [Energy Efficient Ethernet proposal](#)

16:20- Carlos Pardo - KDPOF: [BER Test Mode proposal](#) (Rubén Pérez de Aranda,KDPOF)

16:38- Bob Grow- GEPOF TF Chair - [Common problem for 100base-T1, 1000base-T1 and 1000base-RH,](#)

16:48- Carlos Pardo - KDPOF: [Data Transmission Scheme corrigendum](#) (Rubén Pérez de Aranda, KDPOF)

16:51- Carlos Pardo - KDPOF: [GEPOF PHY Reference Diagram](#) (Rubén Pérez de Aranda, KDPOF)

17:03

- Recess for the day

The meeting next day will start 8:30 at the same meeting room (30312).

Thursday, March 12, 2015

8:30 - Resume the meeting by Bob Grow

Discussions on common problems for 100base-T1, 1000base-T1 and 1000base-RH in IEEE Std802.3 Draft on Clause 22, 34, 35, 45 and 75 by Robert M. Grow.

9:10-

- Motion #3 – PMD parameters on the presentation N. Serizawa et.al ” GEPOF Channel Ad Hoc activities”, 802.3bv TF, Plenary meeting, March 2015.

Moved: Naoshi Serizawa

Second: Rubén Pérez de Aranda

Y: 17, N: 0, A: 0 – Approved

- Motion #4 – Adopt the following categorization for definition of PMD parameters, removing Market column, remarks column and relabeling to Ambient Temp on the presentation N. Serizawa et.al ” GEPOF Channel Ad Hoc activities”, 802.3bv TF, Plenary meeting, March 2015.

Regarding the accepted temperature for each Type were discussed aggressively. To add a sentence “changing Type B -40 to-20 degrees” in Motion #4 was amended by Mr. Horrmeyer..

Amendment: Bernd Horrmeyer, Second: Satoshi. Takahashi,

Technical (>75%),

Y:11, N:4 , A:2 – Motion Failed.

-40degrees for temperature ranges in Type B was kept in parameters.

Moved: Naoshi Serizawa

Second: Josef. Faller,

Technical (>75%),

Y:16, N:0 , A:0 – Approved.

- Motion #5 – Adopt the requirements at TP2 and add row: Ave. launch power deep sleep on the presentation N. Serizawa et.al ” GEPOF Channel Ad Hoc activities”, 802.3bv TF, Plenary meeting, March 2015.

Moved: Naoshi Serizawa

Second: Dylan Loughnan

Y: 16, N: 0, A: 0 – Approved

10:09- Intermission

10:25-

- Motion #6 – Adopt the requirements at TP3 on the presentation N. Serizawa et.al ” GEPOF

Channel Ad Hoc activities”, 802.3bv TF, Plenary meeting, March 2015.

Moved: Naoshi Serizawa

Second: Carlos Pardo

Y: 16, N: 0, A: 0 – Approved

- Motion #7 – Encoding, To adopt the PCS encoding scheme for the baseline as described in the presentation Ruben Perez et.al. “64B/65B PCS encoding for GEPOF”, 802.3bv TF, Plenary meeting, March 2015.

Moved: Rubén Pérez de Aranda

Second: Dylan Loughnan

Technical (75%)

Y: 16, N: 0, A: 0 – Approved

- Motion #8 – PHD content, To adopt the Physical Header Data content for the baseline as described in the presentation Ruben Perez et.al. “Physical Header Data content for PCS encoding, PHY control and OAM channel in GEPOF”, 802.3bvTF, Plenary meeting, March 2015.

Moved: Carlos Pardo

Second: Josef. Faller

Technical (75%)

Y: 16, N: 0, A: 0 – Approved

- Motion #9 – PMA control, To adopt the PMA control state machines for the baseline as described in the presentation Ruben Perez et.al. “PMA control state machines for GEPOF”, 802.3bvTF, Plenary meeting, March 2015.

Moved: Rubén Pérez de Aranda

Second: Philippe Bolle

Technical (75%)

Y: 16, N: 0, A: 0 – Approved

- Motion #10 – OAM channel, To adopt the OAM channel proposal for the baseline as described in the presentation Ruben Perez et.al. “OAM channel proposal for GEPOF”, 802.3bvTF, Plenary meeting, March 2015.

Moved: Rubén Pérez de Aranda

Second: Carlos Pardo

Technical (75%)

Y: 16, N: 0, A: 0 – Approved

- Motion #11 – EEE, To adopt the EEE proposal for the baseline as described in the presentation

802.3bv GEPOF TF, March 11-12, Berlin

Ruben Perez et.al. "Energy Efficient Ethernet (EEE) proposal for GEPOF", 802.3bvTF, Plenary meeting, March 2015.

Moved: Carlos Pardo

Second: Philippe Bolle

Technical (75%)

Y: 16, N: 0, A: 0 – Approved

- Motion #12 – BER test mode, To adopt the test mode for BER test for the baseline as described in the presentation Ruben Perez et.al. "Test mode definition for BER test in GEPOF PHY", 802.3bvTF, Plenary meeting, March 2015.

Moved: Carlos Pardo

Second: Naoshi. Serizawa

Technical (75%)

Y: 16, N: 0, A: 0 – Approved

- Motion #13 – TF review, Request editor to include adopted baseline proposals into P802.3bv/D1.0 for TF review.

Moved: Carlos Pardo

Second: Josef. Faller

Technical (75%)

Y: 16, N: 0, A: 0 – Approved

11:25-

Future meetings

See: <http://www.ieee802.org/3/interims/index.html>

· May IEEE802.3 Interims

-Pittsburgh, Pennsylvania, USA

May18-22(GEPOF TFMay18-19)

· July IEEE 802 Plenary

-Waikoloa, Hawaii, USA

July13-16

· September IEEE 802.3 Interims

-Bonita Springs, Florida, USA

September14-18

(GEPOF TF dates TBD)

11:38 Adjourn the meeting-