

Meeting Minutes

P802.3bv Gigabit Ethernet over Plastic Optical Fiber Task Force

January 14-15, 2015

Atlanta, Georgia, USA

Kennesaw & Inman, Grand Hyatt Atlanta

Chair: Bob Grow

Recording Secretary: Shigeru Kobayashi

Attendees: Bob Grow, RMG Consulting/KDPOF, GEPOF TF Chair
Carlos Pardo, KDOPF
Rubén Pérez de Aranda, KDPOF
Takehiro Hayashi, HAT Lab
Takayuki Tajima, Yazaki
Hayato Yuki, AutoNetworks Technologie
Bernd Hormmeyer, Phoenix Contact
Satoshi Takahashi, POF Promotion
Shigeru Kobayashi, TE Connectivity
Manabu Kagami, Toyota Central R&D
Yasuhiro Hyakutake, Adamant
Takeo Masuda, OITDA
Volker Gotzfried, Avago Technologies
Brett Lane, Panduit
Rick Pimpinella, Panduit
Eugene Dai, Cox
Dylan Loughnan, Firecomms
David Law, HP, IEEE 802.3 WG Chair

Wednesday January 14, 2015

8:00 Call to order with opening presentation by Bob Grow

David Law, IEEE 802.3 Chair, ran the meeting for confirmation of the Task Force Chair.

- Motion #1: Confirm Bob Grow as the IEEE P802.3bv Gigabit Ethernet Over Plastic Optical Fiber Task Force Chair

Motion: Carlos Pardo

Second: Rubén Pérez de Aranda

Y: 12, N: 0, A: 0 - Approved

Mr. Law congratulated Mr. Grow on his confirmation and Mr. Grow resumed chairing of the meeting.

- Motion #2: agenda this meeting

Motion: Carlos Pardo

Second: Satoshi Takahashi

Approved by voice without opposition

- Patent policy was presented and no one responded to the call for patents.

Presentations

8:55

- Ruben Perez-Aranda - KDPOF: [High spectrally efficient coded 16-PAM scheme for GEPOF based on MLCC and BCH](#)

9:55 - Intermission

10:20

- Ruben Perez-Aranda - KDPOF: [Study of Undetected Error Probability of IEEE 802.3 CRC-32 code for MTTFPA analysis](#)
- Ruben Perez-Aranda - KDPOF: [Study of Undetected Error Probability of BCH codes for MTTFPA analysis](#)

11:20

- Satoshi Takahashi - POF Promotion: [Factors to be Evaluated for the POF Cable Plant Loss Budget](#)
- Satoshi Takahashi - POF Promotion: [Launch condition and Temperature effect for POF Attenuation](#) (Yoshihiro Tsukamoto, Mitsubishi Rayon)

12:10 - 13:15 Lunch Break

13:15

- Takayuki Tajima - Yazaki: [Update Vibration Test Result](#)

- Takayuki Tajima - Yazaki: [Kojiri protection of In-Vehicle Connectors](#)
- Takayuki Tajima - Yazaki: [Power Budget Confirmation](#)

- Ruben Perez-Aranda - KDPOF: [Performance analysis of coded 16-PAM scheme for GEPOF. BER, MTBE, MTTFPA, PER](#)

15:30 - Intermission

15:50

- Ruben Perez-Aranda - KDPOF: [Latency analysis and memory requirements of coded 16-PAM scheme for GEPOF](#)

16:40

- Task Force and Draft Decisions by Robert M. Grow
 - Prior explanation about motions for the following day
 - Review of IEEE process in evaluation of what should be our timeline.

18:20

- Recess for the day

Thursday, January 15, 2015

8:00 - Resume the meeting by Bob Grow

Presentations

- Carlos Pardo - KDPOF: [Transmission scheme for GEPOF](#)

Task Force and Draft Decisions by Robert M. Grow

- Motion #3 - Port Name: Instruct editor to use 1000BASE-RH as the port name for initial draft development

Moved: Carlos Pardo
Second: Shigeru Kobayashi
Technical:
Y: 12, N: 0, A: 0 – Approved

An aggressive and typical timeline presented yesterday for people to think about overnight were again discussed, and a third composite timeline was generated through TF discussion (added to Task Force and Draft Decisions presentation, grow_3bv_1_0115).

- Motion #4 - Timeline: Adopt the composite timeline with draft numbers aligned as an editorial task
Moved: Carlos Pardo
Seconded: Takayuki Tajima
Procedural:
Y: 12, N: 0, A: 0 - Approved

- Motion #5 - FEC and modulation: Approve the FEC and modulation schemes as baseline for the 1000BASE-RH PHY as described in the presentation: Rubén Pérez de Aranda et al., “High spectrally efficient coded 16-PAM scheme for GEPOF based on MLCC and BCH” (perezaranda_3bv_1b_0115).
Moved: Rubén Pérez de Aranda
Seconded: Dylan Loughnan
Technical:
Y: 12, N: 0, A: 0 - Approved

- Motion #6 - Transmission scheme: Approve as baseline the transmission scheme for 1000BASE-RH as described in the presentation: Rubén Pérez de Aranda et al., “Transmission scheme for GEPOF” (perezaranda_3bv_6_0115).
Moved: Carlos Pardo
Seconded: Volker Goetzfried
Technical:
Y: 12, N: 0, A: 0 - Approved

- Motion #7 - Initial P802.3bv Draft: Request the editor to create an initial P802.3bv incorporating the adopted base line proposals. Additionally create changed clauses for text in the base document that needs to be modified using the management approach agreed to with P802.3bp and P802.3bv editorial teams.
 - Moved: Carlos Pardo
 - Seconded: Rubén Pérez de Aranda
 - Procedural:
 - Y: 13, N: 0, A: 0 - Approved

- Motion #8 - Informal Communication: Authorize the TF Chair with editorial license to send the informal communication grow_3bv_2_0115 announcing the initiation of P802.3bv.
 - Moved: Bernd Horrmeyer,
 - Seconded: Eugene Dai
 - Procedural:
 - Y14, N0, A0 - Approved

Future meetings

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

- March IEEE 802 Plenary
 - Berlin, Germany
 - March 9-12 (SG/TF meet 9-12, GEPOF 10-12, (802.3 experimenting with a new Monday schedule for the week)

- May IEEE 802.3 Interims
 - Pittsburg, Pennsylvania, USA
 - May 18-22 (GEPOF SG/TF dates TBD)

- July IEEE 802 Plenary
 - Waikoloa, Hawaii, USA
 - July 13-16

11:40 Adjourn the meeting