

Approved Minutes  
IEEE 802.3 Next Generation 100Gb/s Optical Ethernet Study Group  
Co-located interim meeting  
12 March, 2012  
Waikoloa, HI, USA

Prepared by: Pete Anslow, Ciena

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**12 March, 2012**

The meeting was called to order at 8:33 a.m., on 12 March, 2012 by Dan Dove, Study Group Chair.

Pete Anslow was appointed as Recording Secretary for this meeting.

Documentation for the Waikoloa co-located interim meeting can be found at the meeting web-page:  
<http://www.ieee802.org/3/100NGOPTX/public/mar12/interim/index.html>

Motion to approve the minutes from the January 2012 interim meeting:

Passes by voice without opposition

Agenda and General Information

By: Dan Dove, SG Chair

See: dove\_01\_0312\_NG100GOPTX.pdf

Motion to approve the agenda:

Passes by voice without opposition

The Chair asked if there are any reporters in the room. No one responded.

The Chair presented the Study Group decorum.

The Study Group was reminded that photographs or recordings are not allowed without permission.

The Chair presented the rest of the Agenda and General Information presentation

Start of technical presentations, at 8:50 a.m.

Presentation # 1

Title: Low Latency NRZ and PAM4 FEC Architecture

By: Mark Gustlin, Xilinx

See: gustlin\_01\_0312\_NG100GOPTX.pdf

Presentation # 2

Title: Host Budget Consensus Building

By: Ryan Latchman, Mindspeed

See: latchman\_01\_0312\_NG100GOPTX.pdf

Presentation # 3

Title: Common MDI requirements

By: Tom Palkert, Molex  
See: palkert\_04\_0312\_NG100GOPTX.pdf

Presentation # 4

Title: 256b/257b Transcoding for 100 Gb/s Backplane and Copper Cable

By: Roy Cideciyan, IBM

See: cideciyan\_01\_0312\_NG100GOPTX.pdf

Break 10:11 a.m.

Reconvened at 10:28 a.m.

Presentation # 5

Title: Choosing Host PCB for CR4 Optimally with an Eye Toward Unretimed Interface

By: Ali Ghiasi, Broadcom

See: ghiasi\_04\_0312\_NG100GOPTX.pdf

During discussion of the presentation, an issue was pointed out with the presentation. This was corrected in ghiasi\_04a\_0312\_NG100GOPTX.pdf

Presentation # 6

Title: 802.3bj MDI Baseline Proposal 100Gb/s Backplane and Copper Cable Task Force

By: Nathan Tracy, TE Connectivity

See: tracy\_01\_0312\_NG100GOPTX.pdf

11:23

Straw Polls

See: straw\_polls\_0312.pdf on the meeting web-page

Straw-poll #1:

I would support the adoption of an MDI for copper cables as per tracy\_01\_0312.pdf

Yes: 36

No: 4

Room count 90

Motion to adjourn

Moved: Hugh Barrass

Second: Steve Trowbridge

Passes by voice without opposition

Next-gen 100G Optics Study Group -- Attendee List  
 Co-located Interim meeting, 12 March 2012, Waikoloa, HI

| Last Name       | First Name | Affiliation            | Mar 12 interim |
|-----------------|------------|------------------------|----------------|
| Abbas           | Ghani      | Ericsson               | x              |
| Abbott          | John       | Corning Inc            | x              |
| Adee            | Ran        | Intel                  | x              |
| Amleshi         | Peerouz    | Molex                  | x              |
| Anderson        | Jon        | Opnext                 | x              |
| Anslow          | Pete       | Ciena                  | x              |
| Arambedula      | Bernard    | Intel                  | x              |
| Balasubramanian | Koussalya  | Cisco                  | x              |
| Baldwin         | Thananya   | Ixia                   | x              |
| Barrass         | Hugh       | Cisco                  | x              |
| Beaudoin        | Denis      | Texas Instruments      | x              |
| Bennett         | Mike       | LBNL                   | x              |
| Bhatt           | Vipul      | Lightwire              | x              |
| Bliss           | Will       | Broadcom               | x              |
| Booth           | Brad       | Dell                   | x              |
| Brown           | Matt       | Applied Micro          | x              |
| Bugg            | Mark       | Molex                  | x              |
| Carroll         | Martin     | Verizon                | x              |
| Catlin          | Jeff       | Accton                 | x              |
| Cideciyan       | Roy        | IBM                    | x              |
| Cole            | Chris      | Finisar                | x              |
| Cui             | Kai        | Huawei                 | x              |
| Cvijetic        | Milorad    | NEC America            | x              |
| Dama            | Bipin      | Lightwire              | x              |
| Dawe            | Piers      | IPtronics              | x              |
| Diminico        | Chris      | MC Communications      | x              |
| Dudek           | Mike       | Qlogic                 | x              |
| Flatman         | Alan       | LAN Technologies       | x              |
| Ghiasi          | Ali        | Broadcom               | x              |
| Goergen         | Joel       | Cisco                  | x              |
| Gustlin         | Mark       | XILINX                 | x              |
| Hajduczenia     | Marek      | ZTE                    | x              |
| Hamano          | Hiroshi    | Fujitsu Labs           | x              |
| Healey          | Adam       | LSI                    | x              |
| Heath           | Jeff       | Linear Technology      | x              |
| Hidaka          | Yasuo      | Fujitsu Lab of America | x              |

|               |                |                        |   |
|---------------|----------------|------------------------|---|
| Ho            | Francis        | Inphi                  | x |
| Hu            | Kerry          | Huawei                 | x |
| Irwin         | Scott          | Mosys                  | x |
| Kai           | Cui            | Huawei                 | x |
| Kamatsu       | Yasuaki        | Hitachi Cable          | x |
| Katsuhisa     | Tawa           | Sumitomo Electric      | x |
| Katz          | Walter         | Si Soft                | x |
| King          | Jonathan       | Finisar                | x |
| Kochuparambil | Beth           | Cisco                  | x |
| Kodama        | Satoshi        | NTT                    | x |
| Kolesar       | Paul           | Commscope              | x |
| Kono          | Masahi         | Hitachi                | x |
| Koussalya     | Balasubramaman | Cisco                  | x |
| Kvist         | Bengt          | Ericsson               | x |
| Lackner       | Hans           | QoSCom                 | x |
| Langhammer    | Martin         | Altera                 | x |
| Latchman      | Ryan           | Mindspeed              | x |
| LeCheminant   | Greg           | Agilent Technologies   | x |
| Li            | Mike           | Altera                 | x |
| Lusted        | Kent           | Intel                  | x |
| Maki          | Jeffery        | Juniper                | x |
| Masood        | Shariff        | Commscope              | x |
| McClay        | Phil           | TE Connectivity        | x |
| McDermott     | Tom            | Fujitsu Labs           | x |
| McDonough     | John           | NEC America            | x |
| Meghelli      | Mounir         | IBM                    | x |
| Meier         | Wolfgang       | Emerson                | x |
| Mein          | John           | Onechip Photonics      | x |
| Melitz        | Richard        | Intel                  | x |
| Misek         | Brian          | Avago                  | x |
| Moore         | Charles        | Avago Technologies     | x |
| Nakaawa       | Yukihiro       | Fujitsu Labs           | x |
| Nakamoto      | Edward         | Spirent                | x |
| Nicholl       | Gary           | Cisco                  | x |
| Ofelt         | David          | Juniper                | x |
| Palkert       | Tom            | Xilinx, Molex, Luxtera | x |
| Park          | Jisang         | LS Cable and System    | x |
| Patel         | Pravin         | IBM                    | x |
| Pepper        | Jerry          | Ixia                   | x |
| Perrie        | Randy          | Onechip Photonics      | x |
| Petrilla      | John           | Avago Technologies     | x |

|            |           |                 |   |
|------------|-----------|-----------------|---|
| Rabinovich | Rick      | Alcatel Lucent  | x |
| Ran        | Ravid     | Mellanox        | x |
| Riani      | Jamal     | Marvell         | x |
| Salunke    | Vineet    | Cisco           | x |
| Seto       | Koichiro  | Hitachi Cable   | x |
| Shanbhag   | Megha     | TE Connectivity | x |
| Shang      | Song      | Semtech         | x |
| Shariff    | Masood    | Commscope       | x |
| Sprague    | Ted       | Infinera        | x |
| Stassar    | Peter     | Huawei          | x |
| Swanson    | Steve     | Corning Inc     | x |
| Szczepanek | Andre     | Inphi           | x |
| Teipen     | Brian     | ADVA Optical    | x |
| Teixeira   | Antonio   | NSN             | x |
| Tracy      | Nathan    | TE Connectivity | x |
| Trowbridge | Steve     | Alcatel Lucent  | x |
| Umnov      | Alexander | Huawei          | x |
| Vanderlaan | Paul      | Nexans Inc      | x |
| Vlasov     | Yuri      | IBM             | x |
| Wagner     | Bob       | Panduit Corp    | x |
| Wong       | CK        | FCI Mergeoptics | x |
| Xi         | Huang     | Huawei          | x |
| Yoon       | Hyung Suk | TeraSquare      | x |
| Zhao       | Wenyu     | CATR China      | x |
| Zivny      | Pavel     | Tektronix       | x |