#### **Unapproved Minutes**

# IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force Ad Hoc Meeting

Webex Meeting
April 29, 2021
Prepared by Mabud Choudhury

Group Name: IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force

Date/Location: Thursday, April 29, 2021. Webex meeting.

Chair: Robert Lingle, Jr (affiliated with OFS)

Editors: Ramana Murty (affiliated with Broadcom), Earl Parsons (affiliated with CommScope)

**Recording Secretary:** Mabud Choudhury (affiliated with OFS)

Meeting Participants: Attendance is listed in Appendix A (36 attendees – based on official IMAT

attendance list; 37 Webex participants)

#### Call to order:

IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force (TF) Ad Hoc WebEx meeting was convened at 12:02 PM Eastern Daylight Time (EDT/ UTC -4), Thursday, April 29, 2021 by Robert Lingle, Jr., P802.3db TF Chair.

Chair asked attendees to use <a href="http://imat.ieee.org/">http://imat.ieee.org/</a> to record attendance and provided Session Code for the meeting. Attendance record based on IMAT only.

He instructed attendees to either add their affiliations to their names in the Webex participants list, or else list their name with affiliation in the chat window. [These two instructions were repeated multiple times throughout the meeting].

#### **Chair's Presentation:**

Title: "Agenda and General Information"

**Presenter:** Robert Lingle, Jr. (affiliated with OFS)

lingle 3db adhoc 01 042921.pdf

Mr. Lingle then proceeded with reviewing the **Agenda** and asked if there any modifications, additions, or deletions? There were none.

12:05 PM: The agenda was approved by the Task Force by unanimous consent. **Approved Agenda:** 

- Meeting Attendance and Webex
- Approve Agenda
- Reflector and Web
- Private Area
- IEEE
  - Call for Patents. IEEE Patent Policy reminder: <a href="http://www.ieee802.org/3/patent.html">http://www.ieee802.org/3/patent.html</a>
  - IEEE Copyright reminder: https://standards.ieee.org/ipr/index.html
  - IEEE Participant reminder: <a href="http://www.ieee802.org/devdocs.shtml">http://www.ieee802.org/devdocs.shtml</a>
- Editors' Report for D1.0
- Contributions
  - "Recap and update on 940 nm VCSEL transmitter for 802.3db" David Lewis (Lumentum)

- "MPO Keying Considerations for 802.3db" Tom Mitcheltree (US Conec)
- Straw Polls
- · Future meetings

**Reflector and Web:** Mr. Lingle showed the links to the IEEE P802.3db Task Force webpage, ad hoc page, and the email reflector.

**TF Private Area:** Chair provided Username and Password for TF private area. All draft standards will be in private area.

Chair asked if anyone was unfamiliar with any of the IEEE Patent, Copyright and Participation policies, which had been shared via TF reflector prior to the meeting. No one responded.

12:08 PM: Chair reviewed IEEE-SA patent policy slides 6-7 of <u>lingle 3db adhoc 01 042921.pdf</u>. Chair made a "Call for Essential Patent Claims." There was no response.

**IEEE Patent Policy** reminder: <a href="http://www.ieee802.org/3/patent.html">http://www.ieee802.org/3/patent.html</a>

**IEEE SA Copyright Policy:** Mr. Lingle provided overview of slide 8 of <u>lingle 3db adhoc 01 042921.pdf</u> entitled "IEEE SA Copyright Policy"

IEEE Copyright reminder: <a href="https://standards.ieee.org/ipr/index.html">https://standards.ieee.org/ipr/index.html</a>

**IEEE SA Participation Policy:** Mr. Lingle showed the participation policy slide 9 of

lingle 3db adhoc 01 042921.pdf.

IEEE Participant reminder: <a href="http://www.ieee802.org/devdocs.shtml">http://www.ieee802.org/devdocs.shtml</a>

#### **Editors' Report:**

Title: "Editors' Report (D1.0 first report)"

**Presenters:** Ramana Murty (affiliated with Broadcom Inc.) and Earl Parsons (affiliated with CommScope) editors report D1p0 3db adhoc 01a 042921.pdf

(Version 01a, shown at meeting and posted after meeting updates: slide 4, updated to show correct methods for comment entry).

### Editors' Report provided:

- Draft 1.0 was posted to P802.3db private area on April 21st
- Includes
  - Changes discussed during comment resolution against D0.2 on Apr 15
  - Editorial changes to Clauses 1, 30, 78, 91, 116 and 167 as well as Introduction and Front matter as described on slide 11 in <a href="https://www.ieee802.org/3/db/public/April-15-2021/editors">https://www.ieee802.org/3/db/public/April-15-2021/editors</a> report comments D0p2 3db 01 041521.pdf
  - Clause 45
- D1.0 is open for comments through Wednesday, May 5th AOE
- Comments will be reviewed at the May Interim starting May 13

#### TF Chair's conventions on comment resolution:

Mr. Lingle provided the following conventions for comment resolution:

- Editors will prepare proposed responses to comments
- Use of "the bucket"

- Editors may wish to place comment responses believed to be non-controversial "in the bucket," to save time
- In the case of essentially similar comments, editors may also propose to resolve one representative comment, while placing essentially similar ones "in the bucket," allowing the editors to draft final responses to those offline, based on resolution of the representative comment.
- Participants may request to remove comments from the bucket
- Comments may be supported by up to preferably 15 min contributions; contributions not directly referencing a comment against the draft will only be heard if all other business completes early during a session
- Individual comments will be resolved by a simple majority, if needed.
- Two types of straw polls may be useful: directional vs decisional. For a decisional straw poll, a simple majority (> 50%) will result in closing of the comment. A decisional straw poll will be triggered following discussion if there are at least two objections to the question: "Is there anyone who opposes the comment response as written on the screen?"
- The motion to generate the next draft based on the body of resolved comments requires > 75% approval as a technical motion.

Chair sought feedback on these conventions from TF. No comments were made.

#### Contribution #1:

Title: "Recap and update on 940 nm VCSEL transmitter for 802.3db"

**Presenter:** David Lewis (affiliated with Lumentum)

<u>lewis 3db 01 041521.pdf</u> (previously posted for, but not presented due to time constraints, for April 15 TF Interim meeting)

### Presentation provided:

- Recap and update on 940 nm VCSELs in addressing TBD for wavelength for 50 m VR variant.
- Positive results to date. Expect more updated results in May.

Technical discussion followed including some these topics:

- Backward compatibility to SR/850 nm, relative cost of 940 nm vs. 850 nm, utilizing high-volume/high-yield of 3D sensing VCSELs, excess bandwidth vs. long equalizer, tradeoff with fiber bandwidth, legacy SR InP vs. GaAs, 940 nm for next-generation VCSELs, dual 850 nm and 940 nm on receiver side/photodiode, IEC estimated EMB min (MHz\*km) values at 940 nm of 1085 for OM3 and 1566 for OM4, different TDECQ requirements for 850 nm vs. 940 nm.
- Clarifying questions asked and answered.
- Author welcomed feedback from the group. He indicated that he would have follow-up contribution as additional data for 940 nm VCSELs become available.

#### Contribution #2:

Title: "MPO Keying Considerations for 802.3db"

**Presenter:** Tom Mitcheltree (affiliated with US Conec)

mitcheltree 3db 01 041521.pdf (presentation previously made during April 15 TF Interim meeting) Presentation provided:

- Evaluate tradeoffs of various 200G VR2/SR2 & 400G VR4/SR4 MPO keying conventions.
- Proposal: Adopt Parsons definition of two 200G VR2/SR2 options and two 400G VR4/SR4 MDI options:
  - Option A = APC (angled) MPO-16 with Offset Key
  - Option B = PC (flat) MPO-12 with Center Key

Technical discussion followed including some these topics:

- Clarify that market has adopted non-standard (IEEE 802.3cm) APC/angled MPO-16 MDI interface
  for 400G-SR8, so harmonizing to non-standard SR8 MDI, APC/angled not necessary for SR/LC,
  minimizing risk of back reflection (BR) as key issue, lane assignments for MPO-16 outer vs.
  center positions, forward use of 800G-SR8 (or 2x400G-SR4), market demand for APC/angled
  MPO-12 for 200G-SR4, damage not issue for mistakenly mating angled with flat but will result
  in poor performance, need for angled at MDI and for fiber cable plant, hybrid patch-cord, offset
  key for APC/angled vs. different color that PC/flat.
- · Clarifying questions asked and answered.
- Author welcomed feedback from the group.

Mr. Lingle had to step away from meeting from 1:08 PM - 1:19 PM EDT/UTC-4. He assigned Mr. Choudhury as acting Chair during this period.

#### .3db Straw Poll #1:

- I support including the following MDI options for 200G-VR2, 400G-VR4, 200G-SR2, and 400G-SR4 (Chicago rules)
  - A. 12 Fiber Flat
  - B. 12 Fiber Angled
  - C. 16 Fiber Angled
  - A: 21 B: 12 C: 17
  - No Answer: 12

Straw Poll #1 by voter list:

| Attendees  Tom Mitcheltree - US Conec  Mabud Choudhury OFS  Matt Bolig Inphi  Earl Parsons [CommScope]  Flavio Marques / Furukawa Electric  Ramana Murty [Broadcom]  Kangmin Hu [Innogrit]  Vince Ferretti [Corning]  Tom Palkert, Samtec, Macom  Chan Chih David Chen [AOI]  Mike Dudek Marvell  Yasuo Hidaka [Credo]  Raymond Nering - Cisco  X  X  X  X  X  X  X  X  X  X  X  X  X   | Straw i on hi by voter list: |                                    |   |   |   |  |
|---|------------------------------|------------------------------------|---|---|---|--|
| Matt Bolig Inphi  Earl Parsons [CommScope] X X  Flavio Marques / Furukawa Electric X  Ramana Murty [Broadcom] X X  Gary Nicholl Cisco  Rick Pimpinella - Panduit Corp. X  Vince Ferretti [Corning] X X  Tom Palkert, Samtec, Macom  Chan Chih David Chen [AOI] X X  Stephen Didde Keysight  Mike Dudek Marvell X X  Yasuo Hidaka [Credo]  Richard Mellitz Samtec X X  John DeAndrea, II-VI/Finisar  | Attendees                    |                                    | Α | В | С |  |
| Matt Bolig Inphi  Earl Parsons [CommScope] X X  Flavio Marques / Furukawa Electric X  Ramana Murty [Broadcom] X X X  Gary Nicholl Cisco  Rick Pimpinella - Panduit Corp. X  Kangmin Hu [Innogrit] X X X  Vince Ferretti [Corning] X X X  Enis Akbaba @ Maxim Integrated  Tom Palkert, Samtec, Macom  Chan Chih David Chen [AOI] X X  Stephen Didde Keysight  Mike Dudek Marvell X X X  Yi Tang [Cisco] X X X  Raymond Nering - Cisco X X  John DeAndrea, II-VI/Finisar  | 1                            | Tom Mitcheltree - US Conec         | Χ |   | X |  |
| 4 Earl Parsons [CommScope] X X X 5 Flavio Marques / Furukawa Electric X 6 Ramana Murty [Broadcom] X X X 7 Gary Nicholl Cisco 8 Rick Pimpinella - Panduit Corp. X 9 Kangmin Hu [Innogrit] X X X 10 Vince Ferretti [Corning] X X X 11 Enis Akbaba @ Maxim Integrated 12 Tom Palkert, Samtec, Macom 13 Chan Chih David Chen [AOI] X X 14 Stephen Didde Keysight 15 Mike Dudek Marvell X X X 16 Yi Tang [Cisco] X X X 17 Yasuo Hidaka [Credo] 18 Richard Mellitz Samtec X X 19 Raymond Nering - Cisco X X X 20 John DeAndrea, II-VI/Finisar | 2                            | Mabud Choudhury OFS                | Χ | Χ | Х |  |
| Flavio Marques / Furukawa Electric X X X X X X X X X X X X X X X X X X X  | 3                            | Matt Bolig Inphi                   |   |   |   |  |
| Ramana Murty [Broadcom] X X X  Gary Nicholl Cisco  Rick Pimpinella - Panduit Corp. X  Kangmin Hu [Innogrit] X X X  Vince Ferretti [Corning] X X X  Enis Akbaba @ Maxim Integrated  Tom Palkert, Samtec, Macom  Chan Chih David Chen [AOI] X X  Stephen Didde Keysight  Mike Dudek Marvell X X  Yi Tang [Cisco] X X X  Yasuo Hidaka [Credo]  Richard Mellitz Samtec X X  Paymond Nering - Cisco X X  John DeAndrea, II-VI/Finisar  | 4                            | Earl Parsons [CommScope]           | Χ | Χ |   |  |
| 7 Gary Nicholl Cisco 8 Rick Pimpinella - Panduit Corp. X 9 Kangmin Hu [Innogrit] X X X 10 Vince Ferretti [Corning] X X X 11 Enis Akbaba @ Maxim Integrated 12 Tom Palkert, Samtec, Macom 13 Chan Chih David Chen [AOI] X X 14 Stephen Didde Keysight 15 Mike Dudek Marvell X X X 16 Yi Tang [Cisco] X X X 17 Yasuo Hidaka [Credo] 18 Richard Mellitz Samtec X X 19 Raymond Nering - Cisco X X X 20 John DeAndrea, II-VI/Finisar   | 5                            | Flavio Marques / Furukawa Electric | Χ |   |   |  |
| Rick Pimpinella - Panduit Corp. X  Kangmin Hu [Innogrit] X X X  Vince Ferretti [Corning] X X  Enis Akbaba @ Maxim Integrated  Tom Palkert, Samtec, Macom  Chan Chih David Chen [AOI] X X  Stephen Didde Keysight  Mike Dudek Marvell X X  Yi Tang [Cisco] X X  Yasuo Hidaka [Credo]  Richard Mellitz Samtec X X  Raymond Nering - Cisco X X  John DeAndrea, II-VI/Finisar   | 6                            | Ramana Murty [Broadcom]            |   | Χ | X |  |
| 9 Kangmin Hu [Innogrit] X X 10 Vince Ferretti [Corning] X X 11 Enis Akbaba @ Maxim Integrated 12 Tom Palkert, Samtec, Macom 13 Chan Chih David Chen [AOI] X X 14 Stephen Didde Keysight 15 Mike Dudek Marvell X X 16 Yi Tang [Cisco] X X X 17 Yasuo Hidaka [Credo] 18 Richard Mellitz Samtec X X 19 Raymond Nering - Cisco X X 20 John DeAndrea, II-VI/Finisar  | 7                            | Gary Nicholl Cisco                 |   |   |   |  |
| Vince Ferretti [Corning] X X  Enis Akbaba @ Maxim Integrated  Tom Palkert, Samtec, Macom  Chan Chih David Chen [AOI] X X  Stephen Didde Keysight  Mike Dudek Marvell X X X  Yi Tang [Cisco] X X X  Yasuo Hidaka [Credo]  Richard Mellitz Samtec X X  John DeAndrea, II-VI/Finisar   | 8                            | Rick Pimpinella - Panduit Corp.    | Χ |   |   |  |
| 11 Enis Akbaba @ Maxim Integrated 12 Tom Palkert, Samtec, Macom 13 Chan Chih David Chen [AOI] X X 14 Stephen Didde Keysight 15 Mike Dudek Marvell X X 16 Yi Tang [Cisco] X X X 17 Yasuo Hidaka [Credo] 18 Richard Mellitz Samtec X X 19 Raymond Nering - Cisco X X X 20 John DeAndrea, II-VI/Finisar  | 9                            | Kangmin Hu [Innogrit]              | Χ |   | Х |  |
| 12 Tom Palkert, Samtec, Macom 13 Chan Chih David Chen [AOI] X X 14 Stephen Didde Keysight 15 Mike Dudek Marvell X X 16 Yi Tang [Cisco] X X X 17 Yasuo Hidaka [Credo] 18 Richard Mellitz Samtec X X 19 Raymond Nering - Cisco X X 20 John DeAndrea, II-VI/Finisar  | 10                           | Vince Ferretti [Corning]           | Χ |   | Х |  |
| Chan Chih David Chen [AOI] X X  Stephen Didde Keysight  Mike Dudek Marvell X X  Yi Tang [Cisco] X X  Yasuo Hidaka [Credo]  Richard Mellitz Samtec X X  Raymond Nering - Cisco X X  John DeAndrea, II-VI/Finisar   | 11                           | Enis Akbaba @ Maxim Integrated     |   |   |   |  |
| 14 Stephen Didde Keysight 15 Mike Dudek Marvell X X X 16 Yi Tang [Cisco] X X X 17 Yasuo Hidaka [Credo] 18 Richard Mellitz Samtec X X 19 Raymond Nering - Cisco X X X 20 John DeAndrea, II-VI/Finisar  | 12                           | Tom Palkert, Samtec, Macom         |   |   |   |  |
| 15 Mike Dudek Marvell X X 16 Yi Tang [Cisco] X X X 17 Yasuo Hidaka [Credo] 18 Richard Mellitz Samtec X X 19 Raymond Nering - Cisco X X 20 John DeAndrea, II-VI/Finisar  | 13                           | Chan Chih David Chen [AOI]         | Χ | Χ |   |  |
| 16 Yi Tang [Cisco] X X 17 Yasuo Hidaka [Credo] 18 Richard Mellitz Samtec X X 19 Raymond Nering - Cisco X X 20 John DeAndrea, II-VI/Finisar  | 14                           | Stephen Didde Keysight             |   |   |   |  |
| 17 Yasuo Hidaka [Credo] 18 Richard Mellitz Samtec X X 19 Raymond Nering - Cisco X X 20 John DeAndrea, II-VI/Finisar   | 15                           | Mike Dudek Marvell                 | Χ |   | Х |  |
| 18 Richard Mellitz Samtec X X  19 Raymond Nering - Cisco X X X  20 John DeAndrea, II-VI/Finisar   | 16                           | Yi Tang [Cisco]                    |   | Χ | Х |  |
| 19 Raymond Nering - Cisco X X 20 John DeAndrea, II-VI/Finisar   | 17                           | Yasuo Hidaka [Credo]               |   |   |   |  |
| John DeAndrea, II-VI/Finisar  | 18                           | Richard Mellitz Samtec             | X | Х |   |  |
|   | 19                           | Raymond Nering - Cisco             | X |   | X |  |
| 21 Greg D Le Cheminant Keysight X X X   | 20                           | John DeAndrea, II-VI/Finisar       |   |   |   |  |
|   | 21                           | Greg D Le Cheminant Keysight       | Х | X | X |  |

| 22 | YI SUN-OFS                        | Χ | Х |   |
|----|-----------------------------------|---|---|---|
| 23 | Ed Ulrichs Intel                  |   |   |   |
| 24 | Frank Chang Source Photonics      |   | Х |   |
| 25 | Jose Castro Panduit               | Χ |   | Х |
| 26 | Leon Bruckman Huawei              |   |   |   |
| 27 | Mark Kimber Semtech               |   |   | Х |
| 28 | Piers Dawe [Nvidia]               |   |   | Χ |
| 29 | Yung Son Optomind                 |   |   |   |
| 30 | Lin Youxi — Huawei                | Χ | Х |   |
| 31 | Yu Quan[Huawei]                   | Χ |   |   |
| 32 | Olindo Savi [Hubbell]             | Χ |   | X |
| 33 | John S Abbott Corning             | Χ |   | X |
| 34 | Lance Thompson - II-VI            |   |   |   |
| 35 | david malicoat -Independent/Senko | Χ |   | X |
| 36 | Jeffery Maki [Juniper Networks]   |   |   |   |
| 37 | David Lewis Lumentum              | Х | Х | Х |
| 38 | James Young [Commscope]           | Х | Х | Х |

## .3db Straw Poll #2:

- I DO NOT support including the following MDI options for 200G-VR2, 400G-VR4, 200G-SR2, and 400G-SR4 (Chicago rules)
  - A. 12 Fiber Flat
  - B. 12 Fiber Angled
  - C. 16 Fiber Angled
  - A: 1 B: 10 C: 5
  - No Answer: 22

## Straw Poll #2 by voter list:

| Stratt 1 Strate 1 ist. |                                    |   |   |   |
|------------------------|------------------------------------|---|---|---|
|                        | Attendees                          | Α | В | С |
| 1                      | Tom Mitcheltree - US Conec         |   |   |   |
| 2                      | Mabud Choudhury OFS                |   |   |   |
| 3                      | Earl Parsons [CommScope]           |   |   |   |
| 4                      | Flavio Marques / Furukawa Electric |   | Χ |   |
| 5                      | Ramana Murty [Broadcom]            |   |   |   |
| 6                      | Gary Nicholl Cisco                 |   | Χ | Χ |
| 7                      | Rick Pimpinella - Panduit Corp.    |   | Χ | Χ |
| 8                      | Kangmin Hu [Innogrit]              |   |   |   |
| 9                      | Vince Ferretti [Corning]           |   | Χ |   |
| 10                     | Tom Palkert, Samtec, Macom         |   |   |   |
| 11                     | Chan Chih David Chen [AOI]         |   |   |   |
| 12                     | Stephen Didde Keysight             |   |   |   |
| 13                     | Mike Dudek Marvell                 |   | Χ |   |
| 14                     | Yi Tang [Cisco]                    |   |   | Χ |
| 15                     | Yasuo Hidaka [Credo]               |   |   |   |
|                        |                                    |   |   |   |

|                                   |  | 1  | _   |
|-----------------------------------|--|--|---|
| Richard Mellitz Samtec            |  |  |   |
| Raymond Nering - Cisco            |  | Х  |   |
| John DeAndrea, II-VI/Finisar      |  |  |   |
| Greg D Le Cheminant Keysight      |  |  |   |
| YI SUN-OFS                        |  |  |   |
| Ed Ulrichs Intel                  |  |  |   |
| Frank Chang Source Photonics      |  |  |   |
| Jose Castro Panduit               |  | Х  |   |
| Leon Bruckman Huawei              |  |  |   |
| Mark Kimber Semtech               | Χ  | Х  |   |
| Piers Dawe [Nvidia]               |  |  |   |
| Yung Son Optomind                 |  |  |   |
| Lin Youxi — Huawei                |  |  | Х   |
| Yu Quan[Huawei]                   |  |  | Х   |
| Olindo Savi [Hubbell]             |  |  |   |
| John S Abbott Corning             |  | Х  |   |
| Lance Thompson - II-VI            |  |  |   |
| david malicoat -Independent/Senko |  |  |   |
| Jeffery Maki [Juniper Networks]   |  | Х  |   |
| James Young [Commscope]           |  |  |   |
|                                   | Raymond Nering - Cisco John DeAndrea, II-VI/Finisar Greg D Le Cheminant Keysight YI SUN-OFS Ed Ulrichs Intel Frank Chang Source Photonics Jose Castro Panduit Leon Bruckman Huawei Mark Kimber Semtech Piers Dawe [Nvidia] Yung Son Optomind Lin Youxi—Huawei Yu Quan[Huawei] Olindo Savi [Hubbell] John S Abbott Corning Lance Thompson - II-VI david malicoat -Independent/Senko Jeffery Maki [Juniper Networks] | Raymond Nering - Cisco  John DeAndrea, II-VI/Finisar  Greg D Le Cheminant Keysight  YI SUN-OFS  Ed Ulrichs Intel  Frank Chang Source Photonics  Jose Castro Panduit  Leon Bruckman Huawei  Mark Kimber Semtech  X  Piers Dawe [Nvidia]  Yung Son Optomind  Lin Youxi—Huawei  Yu Quan[Huawei]  Olindo Savi [Hubbell]  John S Abbott Corning  Lance Thompson - II-VI  david malicoat -Independent/Senko  Jeffery Maki [Juniper Networks] | Raymond Nering - Cisco X  John DeAndrea, II-VI/Finisar  Greg D Le Cheminant Keysight  YI SUN-OFS  Ed Ulrichs Intel  Frank Chang Source Photonics  Jose Castro Panduit X  Leon Bruckman Huawei  Mark Kimber Semtech X X  Piers Dawe [Nvidia]  Yung Son Optomind  Lin Youxi—Huawei  Yu Quan[Huawei]  Olindo Savi [Hubbell]  John S Abbott Corning X  Lance Thompson - II-VI  david malicoat -Independent/Senko  Jeffery Maki [Juniper Networks] X |

## .3db Straw Poll #3:

- I support including the following MDI options for 200G-VR2, 400G-VR4, 200G-SR2, and 400G-SR4 (Chicago rules)
  - A. Flat with center key
  - B. Angled with center key
  - C. Angled with offset key
  - A: 19 B: 7 C: 13
  - No Answer: 13

# Straw Poll #3 by voter list:

| Stratt For the Strate Hotel |                                    |   |   |   |
|-----------------------------|------------------------------------|---|---|---|
| Attendees                   |                                    | Α | В | С |
| 1                           | Tom Mitcheltree - US Conec         | Χ |   | Χ |
| 2                           | Mabud Choudhury OFS                | Χ |   | Χ |
| 3                           | Earl Parsons [CommScope]           | Χ | Χ |   |
| 4                           | Flavio Marques / Furukawa Electric | Х |   |   |
| 5                           | Ramana Murty [Broadcom]            | Х |   | Χ |
| 6                           | Gary Nicholl Cisco                 | Х | Х | Χ |
| 7                           | Rick Pimpinella - Panduit Corp.    | Х |   |   |
| 8                           | Kangmin Hu [Innogrit]              | Х | Х |   |
| 9                           | Vince Ferretti [Corning]           | Х |   | Χ |
| 10                          | Tom Palkert, Samtec, Macom         |   |   |   |
| 11                          | Chan Chih David Chen [AOI]         | Χ |   | Χ |
| 12                          | Stephen Didde Keysight             |   |   |   |

| 13 | Yi Tang [Cisco]                   |   |   |   |
|----|-----------------------------------|---|---|---|
| 14 | Yasuo Hidaka [Credo]              |   |   |   |
| 15 | Richard Mellitz Samtec            |   |   |   |
| 16 | Raymond Nering - Cisco            | Χ |   | Χ |
| 17 | John DeAndrea, II-VI/Finisar      |   |   |   |
| 18 | Greg D Le Cheminant Keysight      |   |   | Χ |
| 19 | YI SUN-OFS                        | Χ | Х | Х |
| 20 | Ed Ulrichs Intel                  |   |   |   |
| 21 | Frank Chang Source Photonics      |   |   |   |
| 22 | Jose Castro Panduit               | Χ |   |   |
| 23 | Leon Bruckman Huawei              |   |   |   |
| 24 | Mark Kimber Semtech               |   |   | Х |
| 25 | Piers Dawe [Nvidia]               |   |   |   |
| 26 | Yung Son Optomind                 |   |   |   |
| 27 | Lin Youxi — Huawei                | Χ | X |   |
| 28 | Yu Quan[Huawei]                   | Χ |   |   |
| 29 | Olindo Savi [Hubbell]             | Χ |   | Χ |
| 30 | John S Abbott Corning             | Χ | X |   |
| 31 | Lance Thompson - II-VI            |   |   |   |
| 32 | david malicoat -Independent/Senko |   |   |   |
| 33 | Jeffery Maki [Juniper Networks]   | Χ |   | Χ |
| 34 | James Young [Commscope]           | Χ | Х | Χ |

**Future meetings** (slide 12 of <u>lingle 3db adhoc 01 042921.pdf</u> , not shown during meeting due to lack of time):

- See: http://ieee802.org/3/calendar.html and http://ieee802.org/3/interims/index.html
- P802.3db TF Ad Hoc Teleconferences are currently scheduled:
  - Biweekly on Thursdays at 12 Noon to 2 pm Eastern US (EDT/UTC -4): <a href="http://www.ieee802.org/3/db/public/adhoc/index.html">http://www.ieee802.org/3/db/public/adhoc/index.html</a>
  - Next Ad Hoc meeting: Thursday, June 10, 2021, 12 Noon to 2 pm Eastern Daylight US (EDT/UTC -4)
- Ad hoc meetings will be converted to TF interims when TF business requires:
  - o On TF interim teleconferences, only 802.3 voters may vote on TF motions.
  - Next Interim meeting: Thursday, May 13, 2021, 12 Noon to 2 pm Eastern Daylight US (EDT/UTC -4)
- May IEEE 802.3 WG Interim session will be virtual, May 17 27, 2021.

The Task Force Ad Hoc meeting was adjourned at 2:09 PM EDT/ UTC -4, Thursday, April 29, 2021.

## **Next Meeting:**

Scheduled P802.3db TF Interim Webex meeting for Thursday, May 13, 2021, 12 Noon to 2 pm Eastern US (EDT/UTC -4).

# Appendix A: Attendance List IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force WebEx Ad Hoc Meeting

43 individuals attended on Thursday, 29 April 2021, 12:02 PM – 2:09 PM EDT/UTC -4

|    | Name              | Employer                      | Affiliation                   |
|----|-------------------|-------------------------------|-------------------------------|
| 1  | Abbott, John      | Corning Incorporated          | Corning Incorporated          |
| 2  | Akbaba, Enis      | Maxim Integrated Products     | Maxim Integrated Products     |
| 3  | Bolig, Matthew    | Inphi Corporation             | Inphi Corporation             |
| 4  | Bruckman, Leon    | Huawei Technologies Co., Ltd  | Huawei Technologies Co., Ltd  |
| 5  | Chen, Chan        | Applied Optoelectronics, Inc. | Applied Optoelectronics, Inc. |
| 6  | Choudhury, Mabud  | OFS                           | OFS                           |
| 7  | Dawe, Piers J G   | NVIDIA                        | Nvidia                        |
| 8  | Deandrea, John    | Finisar Corporation           | Finisar Corporation           |
| 9  | Didde, Stephen    | Keysight Technologies         | Keysight Technologies         |
| 10 | Dudek, Michael    | Marvell                       | Marvell                       |
| 11 | Ferretti, Vincent | Corning Incorporated          | Corning Incorporated          |
| 12 | Hidaka, Yasuo     | Credo Semiconductor           | Credo Semiconductor           |
| 13 | Hu, Kangmin       | Innogrit                      | Innogrit                      |
| 14 | Kamino, John      | OFS                           | OFS                           |
| 15 | Kimber, Eric      | Semtech Ltd                   | Semtech Ltd                   |
| 16 | Lewis, David      | Lumentum Inc.                 | Lumentum Inc.                 |
| 17 | Lin, Youxi        | Huawei Technologies Co., Ltd  | Huawei Technologies Co., Ltd  |
| 18 | Lingle, Robert    | OFS                           | OFS                           |
| 19 | Maki, Jeffery     | Juniper Networks, Inc.        | Juniper Networks, Inc.        |
| 20 | Marques, Flavio   | FURUKAWA ELECTRIC             | FURUKAWA ELECTRIC             |
| 21 | Mellitz, Richard  | Samtec, Inc.                  | Samtec, Inc.                  |
| 22 | Mitcheltree, Tom  | US Conec, Ltd.                | US Conec, Ltd.                |
| 23 | Murty, Ramana     | Broadcom Inc.                 | <b>Broadcom Corporation</b>   |
| 24 | Nering, Raymond   | Cisco Systems, Inc.           | Cisco Systems, Inc.           |
| 25 | Palkert, Thomas   | Macom, Samtec                 | Samtec-Macom                  |
| 26 | Parsons, Earl     | CommScope, Inc.               | CommScope, Inc.               |
| 27 | Pimpinella, Rick  | Panduit Corp.                 | Panduit Corp.                 |
| 28 | Quan, Yu          | Huawei Technologies Co., Ltd  | Huawei Technologies Co., Ltd  |
| 29 | Savi, Olindo      | Hubbell Incorporated          | Hubbell Incorporated          |
| 30 | Son, Yung Sung    | Optomind Inc                  | Optomind Inc                  |
| 31 | Sorbara, Massimo  | GLOBALFOUNDRIES               | GLOBALFOUNDIRES               |
| 32 | Sun, Yi           | OFS                           | OFS                           |
| 33 | Tang, Yi          | Cisco Systems, Inc.           | Cisco Systems, Inc.           |
| 34 | Thompson, lance   | II-VI                         | Finisar Corporation           |
| 35 | Ulrichs, Ed       | Intel                         | Intel                         |
| 36 | Young, James      | CommScope, Inc.               | CommScope                     |