

# IEEE 802.3da SPMD TF meeting

## July Plenary 2021

Prepared by Peter Jones

### Presentations posted at:

<https://www.ieee802.org/3/da/index.html>

**Meeting Commences – 7:00am PT, 14 July 2021**

### Agenda/Admin - Chad Jones

All times in Pacific Time (PT)

7:00am: The Chair reviewed the agenda. The Chair asked if there were any corrections or additions to the agenda. There being no corrections or additions, the agenda stands approved.

The Chair asked if anyone hasn't had a chance to review the minutes for June 30, 2021. None responded. The Chair asked if there were any changes to be made to the June 30, 2021 minutes. None responded. The June 30, 2021 minutes were approved by unanimous consent.

7:10am: Call for patents (see below) was made, no one responded. From the "INSTRUCTIONS FOR THE WG CHAIR" slide:

- Instruct the WG Secretary to record in the minutes of the relevant WG meeting:
  - That the foregoing information was provided and that slides 1 through 4 (and this slide 0, if applicable) were shown;
  - That the chair or designee provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard
  - Any responses that were given, specifically the patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.

7:13am: Opening agenda slides complete. The meeting moves on to presentations.

### Presentations/Discussion.

7:14am: Control of FEC in Multidrop: Introducing the MSL Client

George Zimmerman, CME Consulting

7:58am: presentation & Q&A done.

8:00am: SPE Multidrop Enhancements Mixing Segment Considerations

Chris DiMinico, MC Communications/PHY-SI LLC/SenTekse/Panduit

Bob Voss, Panduit

Paul Wachtel, Panduit

8.16am: presentation & Q&A done.

8:16am: Technical and implementation details on the FEC for 802.3da

Gergely Huszak, Kone

George Zimmerman, CME Consulting

8:51am: straw polls

Straw Poll 1:

I would be interested in further contributions on FEC for 802.3da.

Yes / No / Abstain

online:55, voted:41, Y:51%, N:0%, A:49%

Straw Poll 2:

I would be interested in further contributions enabling 802.3da data to be transmitted using FEC in a manner that allows them to coexist on a mixing segment with Clause 147 that would see FEC-enabled frames as errors and require non-FEC frames to be sent.

Yes / No / Abstain

online:55, voted:42, Y:40%, N:12%, A:49%

Straw Poll 3:

I would support having the 802.3da mixing segment members use a consistent transmit method (i.e., FEC or non-FEC) for all transmissions based on the discovered mixing segment members.

Yes / No / Abstain

online:54, voted:42, Y: 44%, N:12%, A:44%

Straw Poll 4:

I would support considering the removal of the backwards compatibility objective for 802.3da.

Yes / No / Abstain

online:52, voted:43, Y: 26%, N: 37%, A: 37%

9:01am: presentation, Q&A and straw polls done.

**Meeting recessed – 9:02am PT, meeting will resume: 19 July 2021, 7:00am PT.**

**Meeting resumes – 7:00am PT, 19 July 2021**

07:00am: Meeting resumes, review of agenda and ground rules.

7:07am: Chair leads review of work items

8:10am: Editor leads review of draft

8:43am: Chair leads review of timeline

8:45am: Closing remarks

**Next meeting: July 28th, 7:00am PT.**

### Attendance:

| Name                    | Employer       | Affiliation    | Attended 07/14 | Attended 07/19 |
|-------------------------|----------------|----------------|----------------|----------------|
| Alan Kinningham (I-PEX) | I-PEX          | I-PEX          |                | y              |
| Andrew Jimenez          | Anixter        | Anixter        | y              | y              |
| Anthony New             | Prysmian Group | Prysmian Group | y              | y              |

|                     |                                |   |   |   |
|---------------------|--------------------------------|---|---|---|
| Bob Voss            | Panduit Corp.                  | Panduit Corp.   | y | y |
| Christian Brockners | TÜV NORD Mobilität             | TÜV NORD Mobilität  |   | y |
| Chad Jones          | Cisco Systems, Inc.            | Cisco Systems, Inc.   | y | y |
| CHARLES SU          | Huawei                         | Huawei  | y | y |
| Chris Diminico      | MC Communications              | Panduit   | y | y |
| Christopher Pohl    | Beckhoff Automation            | Beckhoff Automation   | y | y |
| Clark Carty         | Cisco Systems, Inc.            | Cisco Systems, Inc.   | y | y |
| Curtis Donahue      | Rohde & Schwarz                | Rohde & Schwarz   |   | y |
| Dave Hess           | Cord Data                      | Cord Data   | y | y |
| David D. Brandt     | Rockwell Automation            | Rockwell Automation   | y | y |
| Dayin Xu            | Rockwell Automation            | Rockwell Automation   | y | y |
| Denis Beaudoin      | Texas Instruments              | Texas Instruments   | y | y |
| Emilio Cuesta       | TE Connectivity                | TE Connectivity   | y | y |
| Eric DiBiasco       | TE Connectivity                | TE Connectivity   | y | y |
| Geoff Thompson      | GraCaSI S.A.                   | Independent   | y | y |
| George Zimmerman    | CME Consulting                 | ADI, APL Group, Cisco Systems, CommScope, Marvell, SenTekSe | y | y |
| Gergely Huszak      | Self                           | Kone  | y | y |
| Steffen Graber      | Pepperl+Fuchs                  | Pepperl+Fuchs   | y | y |
| Hans Lackner        | QoSCom                         | QoSCom  | y | y |
| Harry Aller         | Innovative Lighting            | Innovative Lighting   | y | y |
| Haruka Yoshimura    | TDK                            | TDK   |   | y |
| Haysam M. Kadry     | Ford Motor Company             | Ford Motor Company  | y | y |
| Heath Stewart       | Analog Devices Inc.            | Analog Devices Inc.   | y | y |
| Hideki Goto         | Toyota                         | Toyota  |   | y |
| James Withey        | Fluke                          | Fluke   | y | y |
| Jamila J. Borda     | BMW                            | BMW   |   | y |
| Jason Potterf       | Cisco Systems, Inc.            | Cisco Systems, Inc.   | y | y |
| Jeffrey Poulsen     | Leviton                        | Leviton   |   | y |
| Joe Aronson         | Texas Instruments              | Texas Instruments   | y | y |
| Kae Dube            | UNH-IOL                        | UNH-IOL   | y | y |
| KAZUHIKO ISHIBE     | Anritsu                        | Anritsu   |   | y |
| Kent Lennartsson    | Kvaser AB                      | Kvaser AB   | y | y |
| Kirsten Matheus     | BMW Group                      | BMW Group   | y | y |
| Manabu Kagami       | Nagoya Institute of Technology | Nagoya Institute of Technology                              | y | y |
| Mark Bordogna       | Intel                          | Intel   | y | y |
| Marty Gubow         | Keysight Technologies          | Keysight Technologies                                       | y | y |
| Masato Shiino       | Furukawa                       | Furukawa  | y | y |

|                    |                                  |                                  |    |    |
|--------------------|----------------------------------|----------------------------------|----|----|
| Matthias Wendt     | Signify                          | Signify                          |    | y  |
| Michal Brychta     | Analog Devices Inc.              | Analog Devices Inc.              | y  | y  |
| Mike Tu            | Broadcom                         | Broadcom                         | y  | y  |
| Nathan Tracy       | TE Connectivity                  | TE Connectivity                  |    | y  |
| Olindo Savi        | Hubbell                          | Hubbell                          | y  | y  |
| Paul Vanderlaan    | UL LLC                           | UL LLC                           | y  | y  |
| Peter Jones        | Cisco Systems, Inc.              | Cisco Systems, Inc.              | y  | y  |
| Peter Wu           | Marvell                          | Marvell                          | y  | y  |
| Piergiorgio Beruto | Canova Tech                      | Canova Tech                      |    | y  |
| Ralf Peteranderl   | Rosenberger                      | Rosenberger                      | y  | y  |
| Rich Boyer         | Aptiv Signal and Power Solutions | Aptiv Signal and Power Solutions | y  | y  |
| Rick Frosch        | Phihong USA Inc,                 | Phihong USA Inc,                 | y  | y  |
| Rob Aekins         | Legrand                          | Legrand                          | y  | y  |
| Roger King         | TRUMPF Photonic Components       | TRUMPF Photonic Components       |    | Y  |
| Rory Buchanan      | OnSemi                           | OnSemi                           | y  | Y  |
| Ryan Petrarca      | TDK Corporation                  | TDK Corporation                  |    | Y  |
| Sami Akin          | Volkswagen AG                    | Volkswagen AG                    | y  | Y  |
| Semmy Peng         | Huawei                           | Huawei                           | y  | Y  |
| Simon Mark         | Wurthe Elektronik                | Wurthe Elektronik                | y  | Y  |
| Steve Carlson      | High Speed Design, Inc.          | Robert Bosch, Ethernovia         | y  | Y  |
| Takeo Masuda       | OITDA/PETRA                      | OITDA/PETRA                      | y  | Y  |
| Talal Alhammami    | CARIAD                           | CARIAD                           |    | Y  |
| Tanaka             | Sumitomo                         | Sumitomo                         |    | Y  |
| Thuyen Dinh        | Pulse                            | Pulse                            |    | Y  |
| Tim Baggett        | Microchip Technology, Inc.       | Microchip Technology, Inc.       | y  | Y  |
| Toshihisa Hyakudai | Sony                             | Sony                             | y  | Y  |
| Tsutomu Kobayashi  | TDK                              | TDK                              |    | y  |
| Valerie Maguire    | Siemon                           | Siemon                           | y  | y  |
| Victor Renteria    | Bel Fuse                         | Bel Fuse                         | y  | y  |
| Walter Downey      | Dialog Semiconductor             | Dialog Semiconductor             | y  | y  |
| Wes Mir            | Aptiv                            | Aptiv                            | y  | y  |
| Yasuhiro Hyakutake | Adamant Namiki Precision Jewel   | Adamant Namiki Precision Jewel   |    | y  |
| Yong Kim           | Tenstorrent                      | Tenstorrent                      | y  | y  |
| Yung-Le Chang      | Realtek                          | Realtek                          | y  | y  |
| Attendees          |                                  |                                  | 73 | 74 |