

Minutes  
Multi-Gigabit Optical Automotive Ethernet (OMEGA)  
Task Force Plenary  
9, 10, 16, 17 November 2021

Attendance list as recorded in Webex participant list

| Last Name   | First Name | Employer                       | Affiliations   | November 9th | November 10th | November 16th | November 17th |
|-------------|------------|--------------------------------|--|--------------|---------------|---------------|---------------|
| Abbott      | John       | Corning                        | Corning  | X            | X             | X             | X             |
| Akin        | Sami       | Volkswagen AG                  | Volkswagen AG  |              |               | X             |               |
| Amamiya     | Yasushi    | MegaChips                      | MegaChips  |              |               |               |               |
| Andrae      | Stefan     | SEI Antech-Europe GmbH         | SEI Antech-Europe GmbH   |              |               |               |               |
| Aono        | Michikazu  | Yazaki                         | Yazaki   |              |               |               |               |
| Akin        | Sami       | VW AG                          | VW AG  | X            |               |               |               |
| Araki       | Nobuyasu   | Yazaki                         | Yazaki   |              |               |               |               |
| Beaudoin    | Denis      | TI                             | TI   | X            |               | X             |               |
| Bergner     | Bert       | TE Connectivity                | TE Connectivity  |              |               |               |               |
| Boyer       | Rich       | APTIV                          | APTIV  |              |               |               |               |
| Barbero     | Fernando   | KDPOF                          | KDPOF  | X            |               | X             |               |
| Bordogna    | Mark       | Intel                          | Intel  | X            |               |               |               |
| Borda       | Jamila     | BMW                            | BMW  | X            |               | X             | X             |
| Brooks      | Paul       | Viavi Solutions                | Viavi Solutions  |              | X             | X             | X             |
| Brown       | Blake      | UNH-IOL                        | UNH-IOL  |              |               | X             | X             |
| Bruckman    | Leon       | Huawei                         | Huawei   |              |               |               |               |
| Brychta     | Michal     | Analog Devices                 | Analog Devices   | X            |               |               |               |
| Castrillon  | Alejandro  | Marvell                        | Marvell  |              | X             | X             | X             |
| Castro      | Jose       | Panduit                        | Panduit  |              |               |               |               |
| Chang       | Ayla       |                                |  | X            |               |               |               |
| Chang       | Jae-yong   | Keysight                       | Keysight   |              |               |               |               |
| Choudhury   | Mabud      | OFS                            | OFS  | X            | X             | X             | X             |
| Chuang      | Keng Hua   | HPE                            | HPE  |              |               |               |               |
| Cuesta      | Emilio     | TE Connectivity                | TE Connectivity  | X            |               |               |               |
| D'Ambrosia  | John       | Futurewei                      | Futurewei  | X            | X             | X             | X             |
| Dawson      | Fred       | Ch                             |  |              |               |               | X             |
| DiBiasi     | Eric       | TE Connectivity                | TE Connectivity  |              |               |               |               |
| Dittmann    | Markus     | KDPOF                          | KDPOF  | X            | X             | X             | X             |
| Donthu      | Suresh     | Corning                        | Corning  | X            |               | X             | X             |
| Dube        | Kae        | UNH-IOL                        | UNH-IOL  |              |               | X             | X             |
| Eek         | Magnus     | Volvo Cars                     | Volvo Cars   |              |               |               |               |
| Felgenhauer | Alexander  | Yazaki                         | Yazaki   |              |               |               |               |
| Fellhauer   | Felix      | Bosch                          | Bosch  |              |               |               |               |
| Ferretti    | Vincent    | Corning                        | Corning  | X            | X             | X             | X             |
| Fortusini   | David      | Corning                        | Corning  |              |               |               |               |
| Fukuoka     | Takashi    | AutoNetworks Technologies Ltd. | AutoNetworks Technologies Ltd.; Sumitomo Electric Industries, Ltd. | X            | X             | X             | X             |
| Gao         | Xiangong   |                                |  | X            |               |               |               |
| Gao         | Sharon     | Huawei                         | Huawei   |              |               | X             |               |
| Gharba      | Ahmed      | Volvo Car Corp.                | Volvo Car Corp.  | X            |               |               |               |
| Giovanne    | Laura      | Broadcom                       | Broadcom   |              |               |               |               |
| Glanzner    | Martin     | SEI Antech-Europe GmbH         | SEI Antech-Europe GmbH   |              |               | X             | X             |
| Gomez       | Chisato    | Nitto Denko Corporation        | Nitto Denko Corporation  | X            | X             | X             | X             |
| Goto        | Hideki     | Toyota Motor Corporation       | Toyota Motor Corporation   | X            | X             | X             | X             |
| Grow        | Robert     | Robert M. Grow Consulting      | RMG Consulting, KDPOF  | X            | X             | X             | X             |
| Guangcan    | Mi         | Huawei                         | Huawei   | X            |               |               |               |
| Haasz       | Jodi       | IEEE-SA                        | IEEE-SA  | X            | X             | X             | X             |
| Hajduczenia | Marek      | Charter Communications         | Charter Communications   |              |               |               |               |

|               |           |                                |                                |   |   |   |   |
|---------------|-----------|--------------------------------|--------------------------------|---|---|---|---|
| Harshbarger   | Douglas   | Corning Incorporated           | Corning Incorporated           | X |   | X | X |
| Hartmann      | Stephan   | Siliconally GmbH               | Siliconally GmbH               | X |   |   |   |
| Hayashi       | Takehiro  | HAT Labs                       | HAT Labs                       | X | X | X | X |
| He            | Xiang     | Huawei                         | Huawei                         |   |   | X |   |
| HIRASE        | Hidenari  | AGC                            | AGC                            | X |   | X | X |
| Hormmeyer     | Bernd     | Phoenix Contact                | Phoenix Contact                |   |   |   |   |
| Huang         | David     | Broadcom                       | Broadcom                       |   |   |   |   |
| Huang         | Shaowu    | Marvell                        | Marvell                        |   |   |   |   |
| Hyakudai      | Toshihisa | Sony                           | Sony                           |   |   |   |   |
| Hyakutake     | Yasuhiro  | Adamant Namiki Precision Jewel | Adamant Namiki Precision Jewel | X | X | X | X |
| Ikeda         | Teppe     | Denso                          | Denso                          |   |   | X | X |
| Ingham        | Jonathan  | Huawei                         | Huawei                         | X |   |   | X |
| Isono         | Hideki    | FOC                            | FOC                            | X | X | X | X |
| Jackson       | Ken       | Sumitomo                       | Sumitomo                       |   |   |   |   |
| Jiménez       | Andy      | WESCO                          | WESCO                          |   | X | X | X |
| Kadry         | Haysam    | Ford Motor Company             | Ford Motor Company             | X |   |   |   |
| KAGAMI        | Manabu    | NI Tech                        | NI Tech                        | X | X | X | X |
| Kazuhiko      | Ishibe    | Anritsu                        | Anritsu                        |   |   |   |   |
| Kamino        | John      | OFS                            | OFS                            |   |   |   |   |
| Kawahara      | Keisuke   | Furukawa Electric              | Furukawa Electric              | X | X | X | X |
| KIKUTA        | Tomohiro  | Adamant Namiki Precision Jewel | Adamant Namiki Precision Jewel | X | X | X |   |
| Kim           | Joshua    | Hirose USA                     | Hirose USA                     | X |   |   |   |
| King          | Roger     | TRUMPF Photonic Components     | TRUMPF Photonic Components     | X | X | X | X |
| Kinnyham      | Alan      | I-PEX                          | I-PEX                          |   |   |   |   |
| Kobayashi     | Shigeru   | AIO Core                       | AIO Core                       | X | X | X | X |
| Koependoerfer | Erwin     | Leoni                          | Leoni                          | X |   | X | X |
| Kondo         | Taiji     | MegaChips                      | MegaChips                      | X | X |   | X |
| Kota          | Kishore   | Marvell                        | Marvell                        | X |   |   |   |
| Kumadayazaki  | Taketo    |                                |                                |   |   |   |   |
| Kurashima     | Kazuyoshi | AGC                            | AGC                            | X | X | X | X |
| Lackner       | Hans      | QoSCom GmbH                    | QoSCom GmbH                    | X |   |   |   |
| Law           | David     | HPE                            | HPE                            |   |   | X | X |
| Lewis         | David     | Lumentum                       | Lumentum                       |   | X | X |   |
| LI            | Tobey     | MediaTek                       | MediaTek                       | X |   |   |   |
| Liu           | Karen     | Lightwave                      | Lightwave                      |   |   |   |   |
| Lee           | Bernard   | Senko                          | Senko                          |   |   |   |   |
| Lee           | Sylvanus  | Leviton                        | Leviton                        | X | X | X | X |
| Lingle        | Robert    | OFS                            | OFS                            |   | X |   |   |
| Maguire       | Valerie   | Siemon                         | Siemon                         | X |   |   |   |
| Malicoat      | David     | Malicoat Networking Solutions  | Senko Advanced Components      | X |   | X |   |
| Mark          | Simon     | Wurth                          | Wurth                          | X |   | X | X |
| Martino       | Kjersti   | Inneos                         | Inneos                         | X | X | X | X |
| Marques       | Flavio    | Furukawa electric              | Furukawa Electric              |   |   |   |   |
| Masuda        | Takeo     | OITDA/PETRA                    | OITDA/PETRA                    | X | X | X | X |
| Matheus       | Kirsten   | BMW                            | BMW                            |   |   |   |   |
| McMillan      | Larry     | Western Digital                | Western Digital                |   |   |   |   |
| Mueller       | Harald    | Endress + Hauser               | Endress + Hauser               |   | X |   |   |
| Mueller       | Thomas    | Rosenberger                    | Rosenberger                    | X |   |   |   |
| Murty         | Ramana    | Broadcom                       | Broadcom                       |   |   |   |   |
| Nakagawa      | Hideki    | AGC                            | AGC                            | X | X | X |   |
| Neulinger     | Christian | MD Elektronik                  | MD Elektronik                  | X |   |   |   |
| New           | Anthony   | Prysmian Group                 | Prysmian Group                 | X | X | X | X |
| Nicholl       | Gary      | Cisco                          | Cisco                          | X |   |   |   |
| Nikolich      | Paul      | 802 Chairman                   | 802 Chairman                   |   |   |   |   |
| Niihara       | Yoshihiro | Fujikura                       | Fujikura                       | X |   | X | X |
| Ogura         | Ichiro    | Petra                          | Petra                          | X | X | X | X |

|                  |           |                            |                            |   |   |   |   |
|------------------|-----------|----------------------------|----------------------------|---|---|---|---|
| Omori            | Kumi      | NEC                        | NEC                        | X | X |   |   |
| Ortiz            | David     | KDPOF                      | KDPOF                      |   |   |   |   |
| Pandey           | Sujan     | Huawei                     | Huawei                     |   | X |   |   |
| Pankert          | Joseph    | TRUMPF Photonic Components | TRUMPF Photonic Components |   |   |   |   |
| Pardo            | Carlos    | KDPOF                      | KDPOF                      | X | X |   | X |
| Parsons          | Earl      | Commscope                  | Commscope                  |   |   |   |   |
| Peng             | Semmy     | Huawei                     | Huawei                     | X | X | X | X |
| Pérez-Aranda     | Rubén     | KDPOF                      | KDPOF                      | X | X |   | X |
| Peteranderl      | Ralf      | Rosenberger                | Rosenberger                |   |   |   |   |
| Petrarca         | Ryan      | TDK                        | TDK                        |   |   |   |   |
| Pham             | Phong     | EastPoint                  | EastPoint                  |   |   |   |   |
| Piehler          | David     | Dell                       | Dell                       |   |   |   |   |
| Pimpinella       | Rick      | Panduit                    | Panduit                    |   | X | X | X |
| Pinzón           | Plinio    | KDPOF                      | KDPOF                      |   |   |   |   |
| Pitwon           | Richard   | Resolute Photonics         | Resolute Photonics         | X | X | X | X |
| Powell           | William   | Independent                | Independent                | X |   |   |   |
| Preis            | Roland    | MD Elektronik              | MD Elektronik              | X | X |   | X |
| Regev            | Alon      | Keysight                   | Keysight                   | X | X | X | X |
| Reinhard         | Michael   | SEI Antech-Europe GmbH     | SEI Antech-Europe GmbH     | X |   | X |   |
| Ren              | Hao       | Huawei                     | Huawei                     | X |   |   |   |
| Retting          | Thomas    | Beckhoff Automation        | Beckhoff Automation        |   |   |   |   |
| Rush             | Joshua    | UNH-IOL                    | UNH-IOL                    | X |   |   |   |
| Sambasivan       | Sam       | AT&T                       | AT&T                       |   | X |   |   |
| Sakai            | Toshiaki  | Socionext                  | Socionext                  | X |   |   |   |
| Savi             | Olindo    | Hubbell Incorporated       | Hubbell Incorporated       |   |   |   |   |
| Sawano           | Hiroshi   | OITDA                      |                            |   | X | X | X |
| Sayre            | Edward    | Samtec                     | Samtec                     |   |   |   |   |
| Schmalzigaug     | Thomas    | HUBER+SUHNER               | HUBER+SUHNER               |   |   |   |   |
| Shukla           | Priyank   | Synopsys                   | Synopsys                   |   |   |   |   |
| Shigematsu       | Masayuki  | Sumitomo Electric          | Sumitomo Electric          |   |   |   |   |
| Shiino           | Masato    | Furukawa Electric          | Furukawa Electric          | X | X | X | X |
| Shubochkin       | Roman     | OFS                        | OFS                        |   |   | X | X |
| Shukla           | Priyank   | Synopsys                   | Synopsys                   |   |   |   |   |
| Silvano de Sousa | Jonathan  | GG-Group                   | GG-Group                   | X | X | X | X |
| Simms            | Bill      | NVIDIA                     | NVIDIA                     | X | X | X | X |
| Sommers          | Scott     | Molex                      | Molex                      | X |   | X |   |
| Su               | Charles   | Huawei                     | Huawei                     | X |   |   |   |
| Sun              | Wensheng  | Marvell                    | Marvell                    | X | X | X | X |
| Sun              | Yi        | OFS                        | OFS                        |   |   | X | X |
| Suzuki           | Yasuo     | KDPOF Japan                | KDPOF                      | X | X | X | X |
| Swanson          | Steve     | Corning Inc.               | Corning Inc.               | X |   | X | X |
| Takahashi        | Ryutaro   | Senko                      | Senko                      |   |   |   |   |
| Takahashi        | Satoshi   | POF Promotion              | POF Promotion              | X | X | X | X |
| Takahashi        | Tadashi   | Nitto Denko Corporation    | Nitto Denko Corporation    | X | X | X | X |
| Takayama         | Kazuya    | Nitto Denko Corporation    | Nitto Denko Corporation    | X | X | X | X |
| Tan              | I-Hsing   | Broadcom                   | Broadcom                   |   |   |   |   |
| Tamada           | Tomohiko  | JAE                        | JAE                        | X |   |   |   |
| Theuerkom        | Thomas    | Corning                    | Corning                    |   |   |   |   |
| Theodoras        | James     | HG Genuine                 | HG Genuine                 | X | X |   |   |
| Torres           | Luisma    | KDPOF                      | KDPOF                      | X | X | X | X |
| Tsujita          | Yuichi    | Nitto Denko Corporation    | Nitto Denko Corporation    | X | X | X | X |
| Tsuzaki          | Nozomi    | Independent                | Independent                | X | X | X | X |
| Ueno             | Yuto      | Sumitomo                   | Sumitomo                   |   |   | X | X |
| Vanderlaan       | Paul      | UL LLC                     | UL LLC                     | X |   |   |   |
| Von Vangerow     | Christian | TE                         | TE                         | X | X | X |   |
| Voss             | Bob       | Panduit                    | Panduit                    |   |   |   |   |

|             |           |                     |                     |   |   |   |   |
|-------------|-----------|---------------------|---------------------|---|---|---|---|
| Walsh       | Thomas    | KDPOF               | KDPOF               |   |   |   |   |
| WATANABE    | Yuji      | AGC                 | AGC                 | X | X | X | X |
| Wendt       | Mattias   | Signify             | Signify             |   |   |   |   |
| Wienckowski | Natalie   | General Motors      | General Motors      | X |   | X | X |
| Withey      | James     | Fluke               | Fluke               |   |   |   |   |
| Wiesner     | Michael   | Trumpf              | Trumpf              |   |   |   |   |
| Xu          | Dayin     | Rockwell Automation | Rockwell Automation |   |   | X |   |
| Xu          | Xing      | Huawei              | Huawei              | X |   | X | X |
| Yamada      | Osamu     | Yazaki              | Yazaki              | X | X | X | X |
| Yang        | Zhiping   | Waymo               | Waymo               |   |   |   |   |
| Yang        | Yumeng    | Huawei              | Huawei              |   |   |   |   |
| Yasui       | Hideshi   | AGC                 | AGC                 | X | X | X | X |
| Yonemura    | Masatoshi | NITech              | NITech              |   |   |   |   |
| Yonezawa    | Kenji     | AGC                 | AGC                 |   |   |   |   |
| Young       | James     | Commscope           | Commscope           | X | X |   |   |
| Yurtin      | John      | APTIV               | APTIV               | X |   |   |   |
| Zhang       | Sen       | Huawei              | Huawei              |   |   |   |   |
| Zhang       | Tingting  | Huawei              | Huawei              | X | X |   |   |
| Zhiwei      | Yang      | ZTE                 | ZTE                 |   |   |   |   |
| Zhong       | Qiwen     | Huawei              | Huawei              |   |   |   |   |
| Zhu         | Liang     | Marvell             | Marvell             |   |   |   |   |

## Tuesday, 9th November 2021, 12:00 (noon) UTC

The meeting was called to order at approximately 12:01 UTC Tuesday 9th November 2021  
Chaired by Robert Grow, IEEE P802.3cz Task Force Chair.

Mr. Grow presented *Agenda and General Information*  
([https://www.ieee802.org/3/cz/public/nov\\_2021/Agenda\\_3cz\\_01a\\_1121.pdf](https://www.ieee802.org/3/cz/public/nov_2021/Agenda_3cz_01a_1121.pdf)).

Mr. Grow presented the agenda for the meeting. Since a few last-minute changes were done, the agenda items were discussed.

Mr. Swanson moved to approve the agenda as presented. Vince Ferretti seconded the motion. Mr. Grow asked if there were any objection to approve the motion. No objections were presented and therefore the agenda was approved by unanimous consent.

Mr. Grow asked the participants if there were any objection to hear late presentations. No objections were presented. Mr. Abbott did not object, but emphasized that it would be very helpful to have the presentations in advance.

Mr. Grow asked the audience if there was anybody from the press. No one responded to the call.

Mr. Grow issued the call for essential patent claims. No one responded to the call. He also presented the slides on the IEEE Copyright Policy and participation guidelines.

Mr. Grow called for any motion proposal to change objectives and/or PAR and/or CSD. No one responded the call.

An intense discussion began on whether the presentation *Silicon Photonics Launch Condition Consensus Definition at 1310 nm*  
([https://www.ieee802.org/3/cz/public/nov\\_2021/ogura\\_3cz\\_01\\_1121\\_Silicon\\_Photonics\\_Launch\\_Condition.pdf](https://www.ieee802.org/3/cz/public/nov_2021/ogura_3cz_01_1121_Silicon_Photonics_Launch_Condition.pdf)) could be made without a related motion, according to the Chair's ruling that presentations that are out-of-scope as defined by TF objectives, PAR, and CSD would only be allowed as discussion for a related motion (see September Interim TF Meeting minutes). Before entering into discussion, Mr. Grow asked Mr. Torres to chair the meeting. Mr. Torres accepted to chair the meeting.

Mr. Ogura, Mr. Pitwon, Mr. Pérez-de-Aranda, Mr. D'Ambrossia, Mr. Swanson, Mr. Grow and others discuss about the current situation in the TF, the timeline, the compliance of the 1310nm PMD proposal with the CSD/PAR/Objectives, reliability, the hindering of the TF progress, and rules

requiring the Chair to present timely a technically complete draft to the WG, and other measures of progress.

To help participants understand this requirement, Mr. Grow drafted three possible motion wordings that if approved, would allow the 1310nm presentation.

Mr. Ogura moved one of the drafted motions, that was identified as procedural (>50%).

Motion #2

Motion to amend agenda to allow presentation of the requested Si-Photonics presentation as an "Other Presentation" (not required to be discussed as debate on a motion).

The motion was seconded by Mr. Watanabe.

The result of the voting was:

Yes 30, No 12, Abstain 8.

Motion #2 passed.

| <b>Attendee</b>              | <b>Vote</b> |
|------------------------------|-------------|
| Anthony New                  | No          |
| Chisato Gomez                | Yes         |
| David Malicoat               | Yes         |
| Denis Beaudoin               | Yes         |
| Erwin Koeppendoerfer         | Yes         |
| Fernando Barbero             | No          |
| Golam Choudhury              | Yes         |
| Haysam Kadry                 | Yes         |
| Hideki Goto                  | Yes         |
| Hidenari Hirase              | Yes         |
| Ichiro Ogura                 | Yes         |
| James Theodoras              | Abstain     |
| James Young                  | No          |
| Jamila Josip Borda           | Yes         |
| John Abbott                  | No          |
| John D'Ambrosia              | Abstain     |
| Kazuya Takayama              | Yes         |
| Kihong/Joshua Kim            | No          |
| Kjersti Martino              | No          |
| Luis Torres                  | No          |
| Manabu Kagami                | Yes         |
| Masato Shiino                | Yes         |
| Michal Brychta               | Abstain     |
| Natalie Wienckowski          | Yes         |
| Rick Pimpinella              | No          |
| Robert Grow                  | No          |
| Roland Preis                 | Yes         |
| Ruben Perez De Aranda Alonso | No          |
| Sami Akin                    | Yes         |

|                    |         |
|--------------------|---------|
| Satoshi Takahashi  | Yes     |
| Scott Sommers      | Abstain |
| Semmy Peng         | Abstain |
| Stephan Hartmann   | Yes     |
| Steven Swanson     | No      |
| Sylvanus Lee       | Yes     |
| Tadashi Takahashi  | Yes     |
| Taiji Kondo        | Yes     |
| Takehiro Hayashi   | Yes     |
| Takeo Masuda       | Yes     |
| Thomas Mueller     | Yes     |
| Tomohiro Kikuta    | Yes     |
| Toshiaki Sakai     | Yes     |
| Valerie Maguire    | Abstain |
| Vincent Ferretti   | No      |
| Wensheng Sun       | Abstain |
| William Powell     | Yes     |
| Yasuhiro Hyakutake | Yes     |
| Yasuo Suzuki       | Abstain |
| Yuichi Tsujita     | Yes     |
| Yuji Watanabe      | Yes     |

Mr. Torres then turned chairing the meeting back to Mr. Grow.

Next item in the agenda was "Other presentation".

Mr. Pitwon asked to present *Silicon Photonics Launch Condition Consensus Definition at 1310 nm* ([https://www.ieee802.org/3/cz/public/nov\\_2021/ogura\\_3cz\\_01\\_1121\\_Silicon\\_Photonics\\_Launch\\_Condition.pdf](https://www.ieee802.org/3/cz/public/nov_2021/ogura_3cz_01_1121_Silicon_Photonics_Launch_Condition.pdf)). This presentation showed the compliance with the Encircled Flux requirements of a light source implemented in Silicon Photonics at room temperature for one OM3 fiber. Questions about distinct identity, number of fibers tested, long standardization process to test launch conditions in IEC among others were made, and Mr. Pitwon provided answers.

Having exhausted the time scheduled, the meeting was recessed at approximately 14:02 UTC.

### **Wednesday, 10th November 2021, 12:00 (noon) UTC**

The meeting was called to order at approximately 12:03 UTC Wednesday 10th November 2021  
Chaired by Robert Grow, IEEE P802.3cz Task Force Chair.

Mr. Grow presented *Agenda and General Information* ([https://www.ieee802.org/3/cz/public/nov\\_2021/Agenda\\_3cz\\_01a\\_1121.pdf](https://www.ieee802.org/3/cz/public/nov_2021/Agenda_3cz_01a_1121.pdf)).

Mr. Grow asked the audience if there was anybody from the press. No one responded to the call.

Mr. Grow issued the call for essential patent claims. No one responded to the call. He also presented the slides on the IEEE Copyright Policy and participation guidelines.

Mr. Grow announced that the scheduled presentation for today *Proposal for a wide-band PMD* was withdrawn.

Mr. Swanson asked Mr. Grow, Mr. D'Ambrossia and Mr. Law for some guidance about the options that the TF has to move forward.

Mr. Law said that it is recommended to split the PAR when there are different proposals in the TF with different timelines.

Mr. D'Ambrosia showed to the TF a recent example of "splitting the PAR" process in 802.3. Initial PAR – 802.3cn was split in Feb 2019 into cn and ct and afterwards 802.3ct split in Feb 2020 into ct and cw. ([https://www.ieee802.org/3/B400G/public/21\\_1028/B400G\\_overview\\_c\\_211028.pdf](https://www.ieee802.org/3/B400G/public/21_1028/B400G_overview_c_211028.pdf)).

Mr. Grow also provided historical examples in 1 Gb/s project because optical and electrical proposals were at different development speeds.

Mr. Abbot asked Mr. Grow for information about the PAR split process, and Mr. Grow presented some slides ([https://www.ieee802.org/3/cz/public/nov\\_2021/grow\\_3cz\\_01\\_1121\\_par\\_split.pdf](https://www.ieee802.org/3/cz/public/nov_2021/grow_3cz_01_1121_par_split.pdf)). This presentation shows the steps needed for the PAR split process, and who is required to approve and modify Objectives, CSD and PAR. Some realistic dates were provided to the TF depending on the PAR split request submittal date.

Mr. Law reminded the TF participants that it is in the WG where the consensus has to occur, and it is not needed in the TF.

Mr. Grow reinforced the idea, and said that TF actions on who approves what documents, are typical, and not strictly required by the process.

Mr. Law said that the current P802.3cz CSD does not support some of the proposals made, but the CSD can be changed to take these proposals into account, or address the different timelines of the different proposals by splitting the PAR. Mr. Law encouraged the TF to use PAR splitting to address this issue.

Mr. Watanabe asked about the expiration date of the PAR. Mr. Grow answer that it is 4 years from the approval. Another question was made about the consensus needed to split the PAR. Mr. Grow asked Mr. Law to answer, and Mr. Law answered that the split PAR motion could be identified as procedural or technical by the TF chair under 802.3 rules.

Mr. D'Ambrosia, said that the CSD should be revised when doing the PAR splitting. The speeds to address may be an item to remove or change in the CSD when changing the PAR.

Mr. Law said that the modified P802.3cz PAR would not have an expiration date of 4 years counted from approval of the modification, but the a new PAR will expire 4 years from the approval date. CSD and objectives for each project shall be aligned with the respective modified and new PARs.

Mr. Law, asked the TF participants if there were objections to create the framework for the new PAR under MyProject tool. Hearing that nobody objected the proposal, Mr. Law generated a P802.3cz PAR modification draft and a draft P802.3dh PAR.

Mr. Grow expressed that he is available to help with the process and tools to make this PAR split and reported that this process has been done since 1981, reflecting that the original IEEE Std 802.3 and the IEEE 802.3 Working Group were created by a split of the original p802 PAR.

Mr. Grow said that he will not require to have a motion to discuss a PAR split.

Having exhausted the items to discuss, the meeting was recessed at approximately 13:55 UTC.

### **Tuesday, 16th November 2021, 12:00 (noon) UTC**

The meeting was called to order at approximately 12:02 UTC Tuesday 16th November 2021  
Chaired by Robert Grow, IEEE P802.3cz Task Force Chair.

Mr. Grow presented *Agenda and General Information*  
([https://www.ieee802.org/3/cz/public/nov\\_2021/Agenda\\_3cz\\_01a\\_1121.pdf](https://www.ieee802.org/3/cz/public/nov_2021/Agenda_3cz_01a_1121.pdf)).

Mr. Grow showed the agenda, and there were no remaining items for discussion.

Mr. Grow called if there was anybody who needed further clarification on the PAR split. No one responded.

Mr. Law recalled that the TF is the “errand child” of the WG and that, although it is delegated work on a project and should strive for consensus, it is the WG that under the rules determines consensus.

A discussion started, and then Mr. Grow stopped the discussion and proceed first with the IEEE slides.

Mr. Grow asked the audience if there was anybody from the press. No one responded to the call.

Mr. Grow issued the call for essential patent claims. No one responded to the call. He also presented the slides on the IEEE Copyright Policy and participation guidelines.

Mr. Grow said that there is still nothing to accomplish the PAR split, and the documents are needed to accomplish the PAR splitting process, as shown in slide 6 of

[https://www.ieee802.org/3/cz/public/nov\\_2021/grow\\_3cz\\_01\\_1121\\_par\\_split.pdf](https://www.ieee802.org/3/cz/public/nov_2021/grow_3cz_01_1121_par_split.pdf).

Mr. Grow noted that there is nothing in the IEEE process that states that the PAR split will be voted in the TF. Mr. Law supported Mr. Grow’s statement.

Mr. Grow said that the TF participants can discuss if they want to elaborate on the documents.

Mr. D’Abrossia offered his help in preparing the documents to carry out the division of the PAR.

Mr. Watanabe said that the TF can also change the objectives of the project, rather than splitting the PAR.

Mr. Law said that changing the objectives and still not moving forward is not an option. He said that Mr. Grow has a duty to move forward. Mr. Law noted that it is much better if the TF is not deadlocked, but if it is, the WG will take appropriate action to ensure progress on the TF.

A discussion began on distinct identity in CSD, and what exactly is “substantially different”. Mr. D’Ambrossia, Mr. Pérez-de-Aranda, Mr. Ogura and Mr. Swanson mentioned different media, different wavelength, and higher reliability as possible sources of distinct identity, but no agreement was reached, the WG makes that decision.

Mr. Grow stated that redundancy was discussed in the past in 802.3, and that redundancy is part of the implementation, not historically part of the specification.

Having exhausted the time scheduled, the meeting was recessed at approximately 13:52 UTC.

### **Wednesday, 17th November 2021, 12:00 (noon) UTC**

The meeting was called to order at approximately 12:03 UTC Wednesday 17th November 2021  
Chaired by Robert Grow, IEEE P802.3cz Task Force Chair.

Mr. Grow presented *Agenda and General Information*

[https://www.ieee802.org/3/cz/public/nov\\_2021/Agenda\\_3cz\\_01a\\_1121.pdf](https://www.ieee802.org/3/cz/public/nov_2021/Agenda_3cz_01a_1121.pdf)).

Mr. Grow asked the audience if there was anybody from the press. No one responded to the call.

Mr. Grow issued the call for essential patent claims. No one responded to the call. He also presented the slides on the IEEE Copyright Policy and participation guidelines.

Mr. Law provided some clarification on the CSD. Mr. Law said that reliability is not defined in the IEEE 802.3 specification and therefore reliability cannot be included in the specification because it is implementation dependent.

Mr. Law pointed out that in the current P802.3cz CSD it is stated that reliability has been covered, and therefore he does not understand some of the recent TF discussions about reliability.

Mr. Law encouraged the TF to solve these issues.

Mr. Law also said that splitting the PAR based on transmission media is perfectly possible, but he is struggling with the idea of splitting the PAR based on wavelength.

Mr. Torres asked to present *Chief Editor’s Report*. This presentation describes the schedule and contents of the next Draft version (D1.2). It should be available in the TF website private area for



commenting from 7 December. The editorial team will accept comments on the draft until 21 December. Comment resolution will begin 11 January. Depending on the number of comments received, several meetings (at least 11 and 18 January, and optionally 12 and 19 January) will be reserved in the 802.3 WG Interim meeting weeks.

Mr. Torres reviewed with the Task Force the ToDo list.

Mr. Ogura and Mr. Takayama provided new dates for delayed presentations and the ToDo list was updated consequently.

Mr. Grow presented briefly the next TF meetings, and announced that the next two conferences on 30 November and 14 December will be TF Interim meetings. Mr. Grow encouraged TF participants to present motions about PAR splitting and PMD baselines on the table.

Having exhausted the items of the agenda, the meeting was adjourned at approximately 13:05 UTC.

Recording secretary: Luisma Torres.