
T11-2021-00307-v000

Draft Minutes
INCITS Fibre Channel TG T11.2 Plenary Meeting #146
7 October 2021 – 9:00 AM to 9:45 AM (PDT)
Hybrid Meeting – Coeur d’Alene, ID

1 Opening remarks and introductions

1.1 Introductory Remarks

TG T11.2 chair Tom Palkert (Macom) convened regular meeting #146 of the INCITS Fibre Channel (T11.2) Task Group on Thursday, 7 October 2021 at 9:00 AM (PDT). He introduced himself as chair and thanked SFF for hosting the meetings and Marvell for hosting the virtual Zoom meetings. The chair next introduced Dean Wallace (Marvell) as the T11.2 vice-chair and Jason Rusch (VIAVI Solutions) as the T11.2 secretary.

1.2 Self-introductions

The chair led a round of introductions for the members attending the meeting in person.

1.3 Meeting guidelines (Anti-Trust and IPR)

The chair stated that the meeting was operating under INCITS procedures and called attention to the INCITS patent policy by showing the INCITS Patent Policy Slides. The advice on the slides was provided and there was no discussion. For reference the slide set is available to T11 members as T11/08-406v0.

The chair noted that the INCITS Antitrust Guidelines applied to this committee meeting and that it was the responsibility of all attendees, and not just the Officers, to ensure that the Guidelines are followed, and to terminate discussions if they are not.

See <http://www.incits.org/standards-information/legal-info>.

1.4 INCITS Code of Conduct

The chair stated that the meeting was operating under the INCITS Code of Conduct and displayed the INCITS Code of Conduct document. The advice on the slides was provided and there was no discussion. The INCITS Code of Conduct document is available at <https://www.incits.org/standards-information/policies>.

2 Approval of the Agenda

An electronic version of the agenda was posted as T11-2021-00254-v000 and supporting documents were accessible via the TC web site. The chair made a call for any changes and new agenda items.

Chris Lyon (Amphenol) moved and Roger Hathorn (IBM) seconded to accept that T11-2021-0024-v000 as presented at this meeting be approved as the agenda for this meeting. The motion passed by acclamation.

3 Attendance and Membership

3.1 Gaining and Losing Voting Membership

Information on how membership is gained, maintained, and lost in any INCITS Technical Committee or Task Group may be found in the INCITS Organization, Policies, and Procedures found at www.incits.org. An overview of these requirements was presented by the chair and was distributed to all attendees.

The chair presented the current list of members and representatives and invited corrections. The membership effective for this meeting, as adjusted for changes introduced at this meeting, is shown in subclause 3.6 below. Attendance for this meeting is shown in clause 14 below.

3.2 Electronic Attendance

The chair instructed those present how to register using the electronic attendance list for this meeting, found via the URL <http://standards.incits.org/login>, and informed those present of the necessary password. He reminded those present that the electronic attendance list would become the only source of attendance for formal records of this meeting.

3.3 Roll Call of Members in Jeopardy for Non-Attendance

- DCS is in attendance jeopardy at this plenary meeting for not attending two of the previous three plenary meetings.

3.4 Jeopardy / Membership Loss for Not Voting in T11.2 Letter Ballots

- No company lost membership for not voting on T11.2 letter ballots.

3.5 Members in Jeopardy for Non-Payment of Fees

- No company lost membership for non-payment of fees.

3.6 Membership Changes and Announcement of New Members

- Keysight requested to regain voting status at this meeting and will attain voting status if they attend the next two plenary meetings.

3.7 Quorum Check

- Quorum was achieved with 14 Voting member companies present.

3.8 T11.2 Voting Memberships for this meeting

Task Group T11.2 had 15 voting member companies at the T11.2 regular meeting #146, 7 October 2021.

| Organization | Representative | Participant Class (P, A) |
|--------------|-----------------|--------------------------|
| Amphenol | Sam Kocsis | P |
| | Brad Brubaker | A |
| | Paul Coddington | A |
| | Michael Klempa | A |
| | Mike Davis | A |
| | Daniel Dillow | A |
| | Chris Lyon | A |
| | Alex Persaud | A |
| | Hu Silver | A |
| | Michael Wingard | A |

| | | |
|-----------------------|-------------------------|---|
| Broadcom, Inc | Ben Chu | P |
| | Rob Hannah | A |
| | Evan Beauprez | A |
| | Adam Healey | A |
| | Howard Johnson | A |
| | Dave Peterson | A |
| | James Smart | A |
| | Anil Mehta | A |
| Cisco | Mike Blair | P |
| | Edward Mazurek | A |
| | Mark Nowell | A |
| | Sai Pavan | A |
| | Kiran Ranabhor | A |
| | Xiaohong Wu | A |
| CommScope | Yang (Sunny) Xu | P |
| | Gary Gibbs | A |
| Corning Inc. | David Kozischek | P |
| | Steven Swanson | A |
| DCS | Steve Eisele | P |
| | Rodney Jacks | A |
| Dell | David Brown | A |
| | David Black | A |
| | Gaurav Chawla | A |
| | David Piehler | A |
| | Erik Smith | P |
| | Joseph White | A |
| | Vinay Sawal | A |
| HPE | Barry Maskas | P |
| | Rupin Mohan | A |
| | Krishna Babu Puttagunta | A |
| IBM | Roger Hathorn | P |
| | Patty Driever | A |
| II-VI Inc | Vipul Bhatt | P |
| | Vera Koleva | A |
| | Lance Thompson | A |
| Marvell Semiconductor | Dean Wallace | P |
| | Anshul Agarwal | A |
| | Girish Basrur | A |
| | Craig Carlson | A |
| | Mike Dudek | A |
| | Ali Khwaja | A |
| | Stephen Lam | A |
| | Akinori Maeda | A |
| | Alan Spalding | A |
| | Darren Trapp | A |
| NetApp | Fred Knight | P |
| OFS | Roman Shubochkin | P |
| | Mabud Choudhury | A |
| Teledyne LeCroy | David Rogers | P |
| | Douglas Lee | A |
| | Henry Poelstra | A |
| Viavi Solutions | Jason Rusch | P |

The following is a list of advisory members:

| Organization | Representative | Participant Class (P, A) |
|---------------------------|-------------------|--------------------------|
| Anritsu | Ken Mochizuki | P |
| Credo Semiconductor | Phil Sun | P |
| | Yasuo Hidaka | A |
| Futurewei | Xu Qi ming | P |
| | Eddy Zhou | A |
| Lumentum | Dave Lewis | P |
| Keysight Technologies Inc | Stephen Didde | P |
| MediaTek USA | Tamer Ali | P |
| | Mau-Lin Wu | A |
| Molex | Alex Haser | P |
| | Jay H. Neer | A |
| | Tom Palkert | A |
| | Scott Sommers | A |
| Panduit | Jose Castro | P |
| | Bulent Kose | A |
| | Robert Reid | A |
| | Steve Skiest | A |
| SmartDV Technologies | Deepak Kumar Tala | P |
| TE Connectivity | Nathan Tracy | P |
| | Melissa Knox | A |
| | Jeff Mason | A |
| | Andy Nowak | A |

The following is a list of emeritus members:

| |
|-------------------|
| James Coomes |
| William Ham |
| Schelto van Doorn |

4 Anti-Trust Policies

The chair noted that among the rules and policies under which T11.2 TG operates are the INCITS Antitrust Guidelines as specified in <http://www.incits.org/standards-information/legal-info>. Any member of the meeting is responsible for objecting if he believes discussion in the meeting violates these guidelines. As examples, there should never be discussion of the following topics at any INCITS or INCITS subgroup meeting:

- Any company's prices or pricing policies;
- Specific R&D, sales, and marketing plans;
- Any company's confidential product, product development, or production strategies;
- Whether certain suppliers or customers will be served;
- Prices paid to input sources; or
- Complaints about individual firms or other actions that might tend to hinder a competitor in any market.

If such discussion is not immediately terminated, it is the chairperson's responsibility to terminate the meeting.

5 Document Distribution

The chair reviewed T11.2 document distribution which is available from <http://standards.incits.org>.

6 Approval of the Minutes of August 2021 Plenary Meeting #145

The prior regular meeting of the INCITS Fibre Channel T11.2 Task Group was #145 on 19 August 2021. The draft minutes of that meeting were posted as document T11-2021-00246-v000.

T11.2 minutes were reviewed as posted on the T11 web site. Corrections may be requested either before the subsequent meeting by email to jason.rusch@viavisolutions.com or at the subsequent meeting in person.

Chris Lyon (Amphenol) moved and Roger Hathorn (IBM) seconded to accept T11-2021-00246-v000 as the minutes of T11.2 meeting #145 on 19 August 2021. The motion passed by acclamation.

7 Review of Old Action Items

Action items completed at this meeting:
None.

Action items carried from prior meetings:
2108-01 Tom Palkert to request a CMIS Liaison from OIF to T11.2.

8 Review of T11.2 Projects

8.1 Project Status Review

The chair reviewed project status of activities in the T11.2 TG.

8.2 FC-PI-8 Ad Hoc Working Group (T11-2021-00276-v000)

The FC-PI-8 ad hoc chair Dean Wallace (Marvell) presented meeting report T11-2021-00276-v000.
The following presentations were given:

- Optical link training updates
- 128GFC link training
- Confirmation that short and long setting is adequate for chip to module electrical
- FC-FS-6 comment feedback
- FC-PI-8 clause responsibility
- FC-PI-8 document review
- Linear variant proposed clause

8.3 Joint T11.2 / T11.3 Ad Hoc Working Group (T11-2021-00289-v000)

The FC-PI-8 ad hoc chair Dean Wallace (Marvell) presented meeting report T11-2021-00289-v000.
The following presentations were given:

- 64GFC LSN roadblocks for Analog CDR implementation

9 Letter Ballots

No open letter ballots.

10 Old Business

There was no old business to be reviewed for this meeting cycle.

11 Review of International Activity

There was no International Activity given for this meeting cycle.

12 New Business and New Technical Items

There was no new business to be reviewed for this meeting cycle.

13 Call for Patents

A template form for a patent declaration that is satisfactory to both INCITS and ISO can be found in <http://www.incits.org/standards-information/legal-info>.

The chair made the call for patents - no member responded.

14 List of Meeting Attendees

The electronic attendance record for this T11.2 plenary meeting showed 29 attendees (13 in-person, 16 virtual) representing 14 voting companies:

| Company | Name | Attendance |
|-----------------------------|--------------------|-------------|
| Amphenol Corporation | Paul Coddington | Member |
| Amphenol Corporation | Michael Klempa | Member |
| Amphenol Corporation | Chris Lyon | Member |
| Broadcom Inc | Ben Chu | Member |
| Broadcom Inc | Howard Johnson | Member |
| Broadcom Inc | David Peterson | Member |
| Broadcom Inc | James Smart | Member |
| Broadcom Inc | Steven Wilson | Member |
| Cisco Systems Inc | Mike Blair | Member |
| Cisco Systems Inc | Ramesh Sivakolundu | Member |
| Cisco Systems Inc | Xiaohong Wu | Member |
| CommScope | Gary Gibbs | Member |
| Data Center Systems | Steve Eisele | Member |
| Dell Inc | Jai Bansal | Member |
| Dell Inc | Erik Smith | Member |
| Hewlett Packard Enterprise | Barry Maskas | Member |
| IBM Corporation | Patty Driever | Member |
| IBM Corporation | Roger Hathorn | Member |
| II-VI Inc | Lance Thompson | Member |
| Keysight Technologies Inc | Stephen Didde | Member |
| Macom | Thomas Palkert | Group Chair |
| Marvell Semiconductor Inc | Craig Carlson | Member |
| Marvell Semiconductor Inc | Raul Oteyza | Member |
| Marvell Semiconductor Inc | Dean Wallace | Vice Chair |
| NetApp Inc | Frederick Knight | Member |
| OFS Fitel LLC | Mabud Choudhury | Member |
| TE Connectivity | Matt Schumacher | Member |
| Teledyne LeCroy Corporation | Henry Poelstra | Member |
| Viavi Solutions Inc | Jason Rusch | Secretary |

15 Liaison Reports

15.1 INCITS and T11 Liaison reports

The INCITS and T11 liaison reports were deferred to the T11 Plenary meeting.

15.2 SFF Transceiver Liaison

The SFF liaison report was a verbal report presented by Tom Palkert.

15.3 ISO WG3/TIA

No liaison report was provided at this meeting.

15.4 IEEE Liaison

- The IEEE 802.3 liaison report was deferred to the T11 Plenary meeting.
- The IEEE 802.3ck liaison report was presented by Tom Palkert
- The IEEE 802.3cd liaison report was presented by Tom Palkert

15.5 OIF

No liaison report was provided at this meeting.

16 Future Meeting Schedule

The next plenary meeting week will be a hybrid meeting at Deerfield Beach, FL, December 6-10, 2021.

Authorization of Ad Hoc groups and study groups for the plenary week:

- FC-PI-8 ad hoc requests Tuesday 12/07/21 9:00 to 6:00 local time and Wednesday 12/08/21 from 9:00 to 12:00 local time (EST).
- Joint T11.2/T11.3 ad hoc requests Wednesday 12/08/21 from 1:30 to 3:00 local time (EST)

Authorization of Telephone Conference Calls:

- Request two conference calls for FC-PI-8.
 - 10/29 at 9-11 am (PDT) to discuss training
 - 11/05 at 9-11 am (PDT) to review FC-PI-8 document
- Request two conference calls for Joint T11.2/T11.3.

Jason Rusch (Viavi Solutions) moved and Dean Wallace (Marvell) seconded to accept the Future Meeting Schedule presented at this meeting be approved for the next plenary meeting week.

The motion passed by acclamation

17 Action Items

Action items carried from prior meetings:

2108-01 Tom Palkert to request a CMIS Liaison from OIF to T11.2.

New action items:

None.

18 Adjournment

Chris Lyon (Amphenol) moved to adjourn at 9:45 AM PDT.