

INCITS Fibre Channel (T11)

Technical Committee

February 2025 Report

Howard L. Johnson

Technical Committee chair

INCITS Fibre Channel (T11)

March 3, 2025

T11-2025-00082-v000

Technical Committee

Plenary meeting membership

- Last meeting
 - Held on February 6, 2025, in St. Petersburg, FL, as a hybrid meeting
- Membership
 - INCITS Fibre Channel (T11) technical committee
 - 133 voting members representing 20 companies including:
 - 1 advisory member
 - 7 emeritus members
 - INCITS Fibre Channel Physical Variants (T11.2) task group
 - 100 voting members representing 20 companies including:
 - 1 advisory member
 - 4 emeritus members
 - INCITS Fibre Channel Interconnection Schemes (T11.3) task group
 - 81 voting members representing 10 companies including:
 - 8 advisory member
 - 4 emeritus members
- Attendance
 - 28 attendees representing 17 voting companies
 - 18 in-person representing 10 voting companies
 - 10 remote representing 7 voting companies

Technical Committee

Plenary meeting summary

- Projects Status
 - FC-SW-8 Executive Board approval pending
- Project Proposals Approved
 - FC-FCP-6 project proposal (see [T11-2025-00015-v000](#))
- Ballot Results
 - No new letter ballots
- IEC/ISO Status
 - See T11 International Representative (IR) report ([T11-2025-00034-v000](#))
 - Note, INCITS Executive Board approved disbanding INCIT CSI TC on November 14, 2024.
 - Dave Peterson (Broadcom) appointed as the T11 International Representative.

Technical Committee

Plenary meeting actions

- T11/T11.2/T11.3 Related Motions/Actions
 - T11 [Fibre Channel](#)
 - Approved moving the August 2025 meeting to the week of August 25th.
 - Approved the future meeting schedule to occur in April (first full week), June (third week), October (first full week) and December (first full week), starting in 2026.
 - T11.2 [Fibre Channel Physical Variants](#)
 - Accepted changes to PI-8 AM1 (see [T11-2025-00022-v000](#))
 - Tom Palkert assigned as the liaison contact between FC and IEEE
 - T11.3 [Fibre Channel Interconnection Schemes](#)
 - Approved initiation of RFC on T11-2024-00376-v001 starting Feb 7.
 - Approved formation of an FCP-6 Expert group
 - Requested T11 to forward T11-202500015-v000 to INCITS for further processing.
 - Approved 2 items for incorporation into FC-LS-6
 - Approved 1 item for incorporation into FC-NVMe-3

T11.2 Task Group summary

- [INCITS Fibre Channel Physical Variants \(T11-2025-00069-v000\)](#)
 - Attendance: 24 attendees representing 19 voting companies (18 in-person representing 10 voting companies)
- Project status
 - FC-PI-9
 - 1) Jason Rusch(Viavi Solutions) – T11-2025-00021-v000 –FC-PI-9 Definitions Update
 - 2) Jason Rusch(Viavi Solutions) – T11-2025-00023-v000 –FC-PI-9 Document Review
 - 3) Anil Mehta (Broadcom) – T11- 2025-00037-v000 - Transmitter Training for 256GFC
 - 4) Ali Ghiasi(Ghiasi QuantumMarvell) – T11-2025-00051-v000 - TDECQ Test Definition
 - 5) Ali Ghiasi(Ghiasi Quantum/Marvell) – T11-2025-00052-v000 - Block TDECQ Test
 - 6) Rich Mellitz(Samtec) – T11-2025-00041-v000 – MTF Specifications Adding COM
 - 7) Rich Mellitz(Samtec) – T11-2025-00042-v000 – S-Param Stop Freq Impact on COM
 - 8) Rich Mellitz(Samtec) – T11-2025-00043-v000 – Low Loss C2M Host Models
 - 9) Anil Mehta(Broadcom) – T11-2025-00026-v000 - TDECQ/Jitter/BER Observations
 - 10) Paul Coddington(Amphentol) - T11-2025-00053-v000 - 256GFC Interconnect Challenges IEEE Liaison Update.
 - 11) Mike Dudek(Marvell) – T11-2025-00061-v000 - Correlated Errors and Block Error Ratio
 - 12) Mike Dudek(Marvell) – T11-2025-00062-v000 - Correct value of Np
 - 13) David Gines(Keysight) – T11-2025-00018-v000 - Phase only Jitter
 - Joint T11.2/T11.3
 - Reviewed the changes to the FC-PI-9 definitions

T11.3 Task Group summary

- [INCITS Fibre Channel Interconnection Schemes \(T11-2025-00012-v000\)](#)
 - Attendance: 16 attendees representing 11 voting companies (14 in-person representing 8 voting companies)
- Project status
 - FC-FS-7 – FC2-R (Frame loss retransmission)
 - FC-GS-10 – No content on agenda.
 - FC-LS-6:
 - QSA and RFCN Updates
 - Let's Make FPIs Great
 - Obsolete Services
 - Fabric Notifications for E_Ports
 - What Else is out there?
 - Remove Image Pairs
 - FC-NVMe-3:
 - FC-NVMe-3 Work Items
 - Obsolete DIF Hints
 - FC-RDMA – No new actions since the December meeting
 - FC-SP-3 – Conducted RFC on Rev 3.05 T11-2024-0158-v003 working through >300 comments.
 - FC-SW-9 – FC-SP-3 Cleanup items regarding QSA and security policies. FC-CR PNI command codes for dNS.

INCITS Fibre Channel (T11)

Meeting Information

- Approved meeting locations
 - June 2025 meeting
 - Hosted by the FCIA and Sponsored by Marvell in Kansas City, MO
 - Dates for the [2025-2026 meetings](#)
 - Reference T11 an www.incits.org
- Next Meeting Week
 - June 02 – June 06, Hybrid
 - Kansas City, MO (see www.incits.org)
- 2025 Meeting Dates
 - Feb 3-7, 2025, St. Petersburg, FL
 - Jun 2-6, 2025, Kansas City, MO
 - Aug 25-29, 2025, tbd
 - Dec 8-12, 2025, Coeur d'Alene, ID
- 2026 Meeting Dates
 - Apr 6-10, 2025, tbd
 - Jun 15-19, 2025, tbd
 - Oct 5-9, 2025, tbd
 - Dec 7-11, 2025, Deerfield Beach, FL
- 2027 Meeting Dates
 - Apr 5-9, 2027, tbd
 - Jun 14-18, 2027, tbd
 - Oct 4-8, 2027, tbd
 - Dec 6-10, 2027, Deerfield Beach, FL

INCITS Fibre Channel (T11)

Technical Committee Membership

Voting Members

- Amphenol Corporation
- Broadcom Inc
- Cisco Systems Inc
- Coherent Inc
- Corning Inc
- Credo Semiconductor
- Data Center Systems
- Dell Inc
- Hewlett Packard Enterprise
- IBM Corporation
- Keysight Technologies Inc
- Macom
- Marvell Semiconductor Inc
- Molex Inc
- NetApp Inc
- OFS Fitel LLC
- Panduit Corporation
- TE Connectivity
- Teledyne LeCroy Corporation
- Viavi Solutions Inc

Advisory Members

- Unisys Corporation

INCITS Fibre Channel (T11)

Technical Committee Emeritus members

- In recognition of their many years of skilled leadership and high quality technical contribution, the following people have been granted Emeritus membership:
 - **Dr. William Ham**
 - **Mr. Robert Kembel**
 - **Mr. Bob Nixon**
 - **Mr. Schelto Van Doorn**
 - **Mr. Roger Cummings**
 - **Mr. Dean Wallace**
 - **Mr. Steven Wilson**