

INCITS Fibre Channel (T11)

Technical Committee

December 2023 Report

Howard L. Johnson

Technical Committee chair

INCITS Fibre Channel (T11)

December 21, 2023

T11-2023-00441-v000

Technical Committee

Plenary meeting summary

- The last meeting was on December 7, 2023, and was a hybrid meeting
 - The number of members are 22 voting, 5 advisory, and 5 Emeritus
 - 20 representatives of 22 organizations attended
 - 17 representatives from 7 organizations attended the meeting week in person
- Projects Status
 - FC-FS-6 is in public review from 11/3/2023-1/2/2024
 - FC-GS-9 was submitted for letter ballot
- Project Proposals Approved
 - None
- Ballot Results
 - None
- IEC/ISO Status
 - See INCITS Computer Systems Interconnect (SC 25 / WG4 TAG) Status Report ([T11-2023-00426-v000](#))

Technical Committee

Plenary meeting actions

- T11/T11.2/T11.3 Related Motions/Actions
 - T11 [Fibre Channel](#)
 - T11.2 [Fibre Channel Physical Variants](#)
 - T11.3 [Fibre Channel Interconnection Schemes](#)
 - T11.3 requested T11 to accept [T11-2023-00181-v004](#) as RFC ballot comment resolution and forward FC-GS-9 draft standard Rev. 12.07 contained in [T11-2023-00117-v003](#) to INCITS to initiate a letter
- Approved meeting locations
 - [February 2024 meeting](#)
 - Approved for Tampa, FL
 - Dates for the [2023-2024 meetings](#)
 - Reference T11 an www.incits.org

T11.2 Task Group summary

- [INCITS Fibre Channel Physical Variants \(T11-2023-00428-v000\)](#)
 - Membership 10 voting, 9 advisory, 6 emeritus
- Project status
 - FC-PI-9
 - 1) Baseline proposals for 200G/L PMD 500m and 2km
 - 2) Baseline proposals for FECo and FECi
 - 3) Low Latency Mode for Inner FEC
 - 4) Two PKG types approach-Radix Optimised type supporting data
 - 5) 224G electrical channel COM simulation
 - 6) Proposal for a new annex on link loss
 - 7) FEC for 256GFC
 - 8) Update to link training
 - 9) IEEE P802.3dj Reference Package Model and Parameters
 - 10) Influence of module package on C2M interfaces
 - 11) COM Simulation for 200G/L CR and KR with Floating FFE taps
 - 12) The Case for 36 dB C2M Insertion loss at 200G
 - 13) Thoughts on the baselines of 200G/L single wavelength/PSM optical PMDs
 - 14) Single-lane 256GFC Link Speed Negotiation
 - Joint T11.2/T11.3
 - 1) Speed Negotiation algorithm/state machine - Slow_wait state

T11.3 Task Group summary

- [INCITS Fibre Channel Interconnection Schemes \(T11-2023-00411-v001\)](#)
 - Membership 10 voting, 9 advisory, 6 emeritus
- Project status
 - FC-FS-7 –Obsolete Loop, Advertising Single-lane 256GFC LSN Support, Removal of Clock Sync support
 - FC-GS-9 –Completed RFC comments. See motion.
 - FC-LS-5/6 –FC-LS-5: RFC comment resolution near complete.
 - FC-LS-6:Adding name attributes to the VEID server. Clock Sync discussion.
 - FC-NVMe-3 –Addition of FTBC to FC-NVMe, NVMe Workgroup and 2.x Transport Items.
 - FC-RDMA –FC-RDMA Draft Standard Development –Initial data flow examples, a look at the RSP IU.
 - FC-SP-3 –MD5/SHA-1 removal. Consider AUTH methods maintenance (FCPAP, FCEAP), Annex A compliance elements, SNIA FC Security Whitepaper review. CNSA Suite Additions , Eliminate Annex G, SNIA FC Security Whitepaper
 - FC-SW-8 –Draft standard rev 1.03. Started review of RFC Ballot comments
 - Profile Review – No meeting

INCITS Fibre Channel (T11) Meeting Information

- 2024 Meeting Dates

- Feb 5-9, 2024, Tampa, FL
- Apr 1-5, 2024, Nashville, TN
- Jun 3-7, 2024, Bozeman, MT
- Aug 5-9, 2024, tbd
- Oct 7-11, 2024, tbd
- Dec 2-6, 2024, Deerfield Beach, FL

- Next Meeting Week

- February 5 – February 9, Hybrid
- Tampa, FL (see www.incits.org)

- 2025 Meeting Dates

- Feb 3-7, 2025, tbd
- Mar 31-Apr 4, 2025, tbd
- Jun 9-13, 2025, tbd
- Aug 4-8, 2025, tbd
- Oct 6-10, 2025, tbd
- Dec 8-12, 2025, tbd

- 2026 Meeting Dates

- Feb 2-6, 2025, tbd
- Apr 13-17, 2025, tbd
- Jun 8-12, 2025, tbd
- Aug 3-7, 2025, tbd
- Oct 5-9, 2025, tbd
- Dec 7-11, 2025, tbd