

Meeting Notes: T11.3 FC-NVMe-3 Expert Group  
Document: T11-2024-00120-v000  
Date: Tuesday April 2, 2024 (3:00pm-4:00pm ET) – F2F/Virtual Meeting  
Location: Savannah, GA

The FC-NVMe-3 Expert Group of the Fibre Channel Interconnection Schemes (T11.3) Task Group held a hybrid meeting hosted by FCIA.

Attendance is tabulated at the end of this document.

The meeting report was provided by Roger Hathorn. Please report any corrections by email to rhathorn@us.ibm.com.

## 1. Opening remarks and introductions Brown

Chair DJ Brown (Dell) opened the meeting at 3:15pm. The Chair led a round of introductions and thanked our host organization. Reference was made to the following policies,

- 1.1 Attendance and Membership: [On-line attendance via INCITS website](#). All person's present are considered members of this meeting and may vote on issues. Attendance at this meeting does not count toward attendance at the T11 Plenary or T11.x Task Group Plenary.
- 1.2 [Code of Conduct](#)
- 1.3 [Antitrust](#)
- 1.4 [Patent Policy Overview](#)

## 2. Review of agenda (T11-2024-00099-v001) All

- 3. [Review of last meeting report](#) (T11-2024-00030-v000) Brown
- 3.1 Review of old action items Hathorn

### Action items carried forward from prior meetings:

**AI-2024-1:** Group needs to review offline clause 4.7. PRLI updates, ERSP MFTBCV bit from proposal T11-2024-00024-v000 for incorporation next meeting. -complete

### New action items from this meeting:

**AI-2024-2:** Editor to incorporate T11-2024-00025-v000 (FTBC) into the next revision

**AI-2024-2:** Editor to incorporate T11-2024-00110-v000 (RFF\_ID) in the next revision with proper placement of the text after the features definition table.

### Completed action items from prior meetings:

**AI-2022-1:** Dave Peterson and Craig Carlson to review the use of NVMeoFC term within FC-NVMe-3 – Complete

**AI-2022-2:** Chair to forward updated project proposal T11/2022-00085-v001 to T11.3 for further processing – completed. Approved by INCITS.

**AI-2022-3:** Group to review usage of the platform object in terms of specific FC-4 content and determine if a definition for NVMe content is worthwhile. – Completed

**AI-2022-4:** James Smart to post T11-2022-00307-v001 on SLER Qualifier of Zero change. – Complete

**AI-2022-6:** David Peterson to post T11-2022-00381-v001 on ICDOFF setting – Complete

**AI-2023-2:** Harsha Bharadwaj to Look at FC-4 feature addition to ULP object.  
– complete (see FC-GS-9)

- AI-2023-3:** Fred Knight to post T11-2023-00060-v002 (RSCN text changes). - posted
- AI-2023-5:** Dave Peterson to investigate if the exchange recovery associated with NVMe Abort recovery is adequately covered in the normative text (see T11-2023-00145-v000, D.2, D.3) – Complete (see work items T11-0145-v001)
- AI-2023-6:** Dave Peterson and Harsha Bharadwaj to investigate use of something other than FC-4 features to identify the NQN type to avoid confusion. – Complete (ULP Name Object)
- AI-2022-5:** Editor to incorporate T11-2022-00307-v001 in the next revision of the FC-NVMe-3 spec -Complete. See T11- 2023- 00164-v001 Rev 0.03 June 16.
- AI-2022-6:** Editor to incorporate T11-2022-00381-v001 (ICDOFF) into the next revision -Complete. See T11-2023- 00164-v001 Rev 0.03 June 16.
- AI-2023-1:** Editor to incorporate T11/2023-00034-v000 (ULP Name Mapping) -Complete. See T11- 2023- 00164-v001 Rev 0.03 June 16.
- AI-2023-4:** Editor to incorporate T11-2023-00060-v002 on RSCN text -Complete. See T11- 2023- 00164-v001 Rev 0.03 June 16.
- AI-2023-7:** Dave Peterson to post T11-00179-v002 for definition of ULP Name Types. -Complete.
- AI-2023-8:** Editor to incorporate T11-00179-v002 for definition of ULP Name Types. -Complete. See T11- 2023- 00164-v001 Rev 0.03 June 16.
- AI-2023-9:** Editor to post T11-2023-0145-v002 with the results of this discussion. - Complete
- AI-2023-10:** Editor to remove figures D3 and D4 from the annex in the next revision – Complete (not yet posted)

## 4. Old business

4.1 FC-NVMe-3 Work Items (T11-2024-00025-v000) Peterson (Broadcom)  
 There was no discussion on this working items list.

4.2 Add First Transfer Buffer Credits functionality (T11-2024-00024-v000) Peterson (Broadcom)

Group had 2 months to review, no further comments were made.

**A recommendation was made to accept 2024-00024-v000 and incorporate in the next revision. There were no objections.**

**AI:** Editor to incorporate T11-2024-00025-v000 (FTBC) into the next revision

## 5. New business

5.1 Review of Latest draft rev 0.4 (2024-00085-v000) Peterson (Broadcom)

5.2 Review use of RFF\_ID (2024-00110-v000) Peterson (Broadcom)

This proposal adds a requirement that N\_Ports register FC-NVMe FC4 Features with the nameserver.

**A recommendation was made to accept 2024-00110-v000 and incorporate in the next revision. There were no objections.**

**AI:** Editor to incorporate 2024-00110-v000 with proper placement of the text after the features definition.

## 6. Unscheduled business

6.1

## 7. Review of schedule

All

Milestone	Expected Date
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Last new technical input	Aug 2024
Target T11 RFC	Dec 2024
Target T11 Letter Ballot	April 2025
Forward to INCITS (PR)	June 2025

## 8. Review of new Action Items

Hathorn

See 3.1

## 9. Next Meeting Schedule

Brown

### 9.1 [Next Plenary Week](#)

Request one hour.

## 10. Adjournment

Brown

The meeting was adjourned by the chair at 3:50pm

Attendance for this meeting:

Company 	Name	Role
Broadcom Inc	David Peterson	Group Chair
Cisco Systems Inc	Edward Mazurek	Member
Dell Inc	David Brown	Member
Hewlett Packard Enterprise	Barry Maskas	Member
IBM Corporation	Patty Driever	Member
IBM Corporation	Roger Hathorn	Member
Marvell Semiconductor Inc	Raul Oteyza	Member