

# **Minutes**

## **T11.3 FC-NVME-3 ad hoc work group regular meeting**

### **07 Dec, 2021 – 10:30AM-12:00PM EST**

### **Deerfield Beach, FL, USA**

The FC-NVME-3 ad hoc work group of the Fibre Channel Protocol (T11.3) Task Group held a regular meeting at Deerfield Beach, FL on 07 Dec, 2021, hosted by FCIA. Attendance was 11 people from 7 organizations and is tabulated at the end of this document.

Roger Hathorn (IBM) (rhathorn@us.ibm.com) took minutes. Please report any corrections by email at [fc\\_protocol@standards.incits.org](mailto:fc_protocol@standards.incits.org)

## **1 Opening Remarks**

### ***Introductions***

Chairperson Craig Carlson (Marvell) opened the regular meeting on Wednesday, 07 Dec, 2021 at 10:26 AM PDT and led a round of introductions and thanked the host (FCIA) for organizing this week's events.

## **2 Meeting Policy**

### ***2.1 Attendance and Membership***

The chair explained that attendance is recorded electronically at <https://standards.incits.org/apps/org/workgroup/t11>, and explained the procedure. Attendance at this meeting does not count toward attendance at the plenaries of T11 and its task groups (i.e., being here will not get you out or keep you out of membership jeopardy).

The chair stated that all persons present are considered members of this meeting and may vote on questions, limited to one vote per company present. He advised that although T11 does not limit participation in the activities of its work groups to representatives of T11 member organizations, it requires nonmembers to identify themselves as such. Nonmembers that expect they may participate in the activities of T11 regularly were encouraged to become members.

### ***2.2 Code of Conduct***

The chair displayed the INCITS Code of Conduct policy:

[https://standards.incits.org/apps/group\\_public/download.php/124850/INCITS-CodeOfConduct.pdf](https://standards.incits.org/apps/group_public/download.php/124850/INCITS-CodeOfConduct.pdf).

## **2.3 Call for Patents**

The chair indicated that among the rules and policies under which this working group operates are the ANSI intellectual property policies as specified in pages 1-3 of [http://www.incits.org/pat\\_slides.pdf](http://www.incits.org/pat_slides.pdf). He displayed these pages without comment or explanation, and directed that questions about the policy should be referred to the questioner's legal counsel or the ANSI General Counsel.

## **2.4 Antitrust**

The chair indicated that among the rules and policies under which this working group operates are the INCITS Antitrust Guidelines. Any member of the meeting is responsible for objecting if he believes discussion in the meeting violates those 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. The INCITS Antitrust Guidelines are available at <http://www.incits.org/inatrust.htm>

## **3.0 Administrivia**

### **3.1 Approval of Agenda**

An agenda for the FC-NVME ad hoc work group regular meeting 07 Dec, 2021 was posted as T11/2021-00347-v000.

*Motion: Patty Driever (IBM) moved and Dave Peterson (Broadcom) seconded to accept T11/2019-00347-v000 as the agenda for this regular meeting.*

Approved by acclamation.

### **3.2 Approval of Minutes**

There are no minutes to approve as this is the first meeting for this project.

## 4.0 Review of Action Items

**Action items carried forward from prior meetings:**

None

**New action items from this meeting:**

None

**Completed action items from prior meetings:**

None

## 5. Old business

None

## 6. Scheduled business

None

## 7. Unscheduled business

This is the first meeting of this project. The group discussed the intended scope of work for this project to include, but not be limited to the following:

- Improvements the annexes on error recovery
- Updates for new diff changes in the base NVMe specification
- Updates to SLER to include retransmission at non-zero relative offsets as was done for FCP-5. Inclusion of this work is TBD.

## 8 Project Schedule

A project schedule was discussed and dates remain TBD. It is anticipated to be approximately a two year project.

Milestone	Expected Date
Last technical input	TBD
T11 RFC	TBD
Forward to INCITS	TBD

## 9 Review of Action Items

See 4.2, Review of Old Action Items.

## 10 Meeting Schedule

The chair requested 0 hours at the T11 plenary week for FC-NVMe-2 in Ft. Worth, TX Feb, 2019.

## 11 Attendance Check and Adjournment

Company 🏢	Name	Role
Broadcom Inc	Howard Johnson	Member
Broadcom Inc	David Peterson	Int'l. Rep
Broadcom Inc	James Smart	Member
Cisco Systems Inc	Harsha Bharadwaj	Member
Cisco Systems Inc	Edward Mazurek	Member
Hewlett Packard Enterprise	Barry Maskas	Member
IBM Corporation	Patty Driever	Secretary
IBM Corporation	Roger Hathorn	Member
Marvell Semiconductor Inc	Craig Carlson	Vice Chair
NetApp Inc	Frederick Knight	Member
Viavi Solutions Inc	Jason Rusch	Member

***David Peterson (Broadcom) moved and Jason Rousch (Viavi) seconded to adjourn.  
Approved by acclamation.***

The regular meeting was adjourned at 10:34AM EST on 07 Dec, 2021.