

**Minutes**  
**T11.3 FC-FS-7 ad hoc work group regular meeting**  
**03 April 2024 – 03:00PM – 05:00PM EDT**  
**Savannah, GA (Hybrid)**

The FC-FS-7 ad hoc work group of the Fibre Channel Protocol (T11.3) Task Group held a regular meeting in Savannah, GA hosted by Amphenol along with virtual conferencing facilities using the Zoom platform on 03 April 2024. Attendance was 12 people from 9 organizations and is tabulated at the end of this document.

Notes were taken by Patty Driever (IBM) (pgd@us.ibm.com). Corrections may be requested either before the subsequent meeting by email to pgd@us.ibm.com or at the subsequent meeting in person.

## **1 Opening remarks & Introductions**

Chairperson Raul Oteyza (Marvell) opened the regular meeting Wednesday, 03 April 2024 at 02:32 PM EDT. He thanked our in-person host organization, Amphenol, and then led a round of introductions.

### **1.1 Attendance and Membership**

The chair explained that attendance is recorded electronically at [www.incits.org](http://www.incits.org) 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.

### **1.2 Code of Conduct**

The chair referenced the INCITS Code of Conduct and suggested everyone become familiar with its content. It can be found on the INCITS website at the following link: [INCITS Code of Conduct](#).

It will be reviewed at the plenary meetings and referenced in all Expert Group meetings.

### **1.3 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.

### **1.4 Antitrust**

The chair indicated that among the rules and policies under which this working group operates are the INCITS Antitrust Guidelines.

The INCITS Antitrust Guidelines are available at <http://www.incits.org/inatrust.htm>.

## **2 Approval of Agenda**

An agenda for the FC-FS-7 expert working group regular meeting 03 April 2024 has been posted as T11-2024-00101-v001. Some adjustments were made based on the discussion.

T11-2024-00101-v001 as presented was accepted as the agenda for this regular meeting by unanimous consent.

## **3 Review of Past Business**

### ***3.1 Review of Notes***

Notes from the FC-FS-7 ad hoc work group regular meeting 07 February 2024 have been posted as T11/2024-00058-v000.

T11/2024-00058-v000 was accepted by unanimous consent as accurate notes of FC-FS-7 ad hoc work group meeting on 07 February 2024.

### ***3.2 Review of Old Action Items***

#### **Action Items Carried Forward:**

None

#### **New Action Items Identified Last Meeting:**

- |             |   |
|-------------|---|
| <b>0201</b> | Editor to incorporate T11-2024-00021-v001 into FC-FS-7. <b>(COMPLETE)</b> |
| <b>0202</b> | Dave to post T11-2024-00009-v003 <b>(COMPLETE)</b>                        |
| <b>0203</b> | Editor to incorporate T11-2024-00009-v003 into FC-FS-7 <b>(COMPLETE)</b>  |

## **4 Old Business**

### ***4.1 Single Lane 256GFC Link Speed Negotiation (T11-2023-00385-v006) Oteyza (Marvell)***

This presentation is very similar to what Anil presented at the joint session. There were some open questions at the time this presentation was developed, but all relevant discussion was covered in Anil's presentation.

## **5.0 New Business**

## **5.1 Development Plan For FC-FS-7 (T11-2024-00026-v002) Oteyza (Marvell)**

Raul created a development plan for FC-FS-7. He presented an overview of the goals of FS-7 and the challenges he sees that need to be tackled. He offered a proposed schedule for review. Since FS-7 will follow PI-9 closely, some revisions to the schedule were made. He also took a first stab at identifying the specific clauses that will need to change.

## **5.2 FC-FS-7 modifications when 256GFC is advertised during Link Speed Negotiation (LSN) at 28.05 Gbps NRZ modulation (T11-2024-00137-v000) Oteyza (Marvell)**

Again this was done prior to Anil's presentation, but he reviewed the changes included in this presentation. Based on what Anil showed, some additional changes are needed beyond what is in this doc (e.g. Table 16 needs significant change). He will go back and make needed changes to the text so that it is compatible with Anil's presentation. We won't likely incorporate this for a while...it will be a working document that will follow progress in FC-PI-9.

# **6 Unscheduled Business**

## **6.1**

# **7 Project Schedule**

<b>Milestone</b>	<b>Expected Date</b>
Last technical input	December 2025
RFC Ballot	February 2026
T11 Letter Ballot	June 2026
Forward to INCITS (PR)	December 2026

# **8 Review of Action Items**

## **Action Items Carried Forward:**

None

## **New Action Items:**

None

## 9 Meeting Schedule

### 9.1 Next Plenary Week

Request 1 hour for FC-FS-7 at the hybrid face-to-face/virtual T11 plenary week 03 June – 07 June 2024 in Bozeman, MT.

## 10 Adjournment

The regular meeting was adjourned at 03:14 PM EDT on 03 April 2024.

## 11 Attendance

**Organization**                      **Representative**                      **T11.3 Member Company**

BROADCOM LIMITED	Howard Johnson	Y
BROADCOM LIMITED	David Peterson	Y
CISCO SYSTEMS INC	Ed Mazurek	Y
CISCO SYSTEMS INC	Xiaohong Wu	Y
DELL INC	David Brown	Y
HEWLETT PACKARD ENTERPRISE	Barry Maskas	Y
IBM	Patty Driever	Y
IBM	Roger Hathorn	Y
MARVELL SEMICONDUCTOR	Raul Oteyza	Y
NETAPP INC	Madhu Pai	Y
TELEDYNE LECROY CORPORATION	Henry Poelstra	Y
VIAVI SOLUTIONS INC	Jason Rusch	Y