

**Minutes**  
**T11.3 FC-GS-9 ad hoc work group regular meeting**  
**07 April 2020 – 2:30PM – 5:00PM EDT**  
**Virtual Meeting**

The FC-GS-9 ad hoc work group of the Fibre Channel Protocol (T11.3) Task Group held a regular meeting using the Zoom online platform on 07 April 2020, hosted by Marvell. Attendance was 10 people from 7 organizations and is tabulated at the end of this document.

Minutes 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 Dave Peterson (Broadcom) opened the regular meeting Tuesday, 07 April 2020 at 02:32 PM EDT. He thanked our host organization, INCITS, and 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 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.

### **1.3 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>.

## **2 Approval of Agenda**

An agenda for the FC-GS-9 ad hoc work group regular meeting 07 April 2020 has been posted as T11-2020-00066-v000.

Howard Johnson (Broadcom) moved and Patty Driever (IBM) seconded to accept T11-2020-00066-v000 as the agenda for this regular meeting. Approved unanimously.

## **3 Review of Past Business**

### ***3.1 Review of Minutes***

Minutes for the FC-GS-9 ad hoc work group regular meeting 04 February 2020 have been posted as T11/2020-00028-v000.

Howard Johnson (Broadcom) moved and Roger Hathorn (IBM) seconded to accept T11/2020-00028-v000 as the minutes of the FC-GS-9 ad hoc work group meeting on 04 February 2020. Approved unanimously.

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

#### **Action Items Carried Forward From Prior Meetings:**

None

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

None

## **4 Old Business**

## **5.0 Scheduled Business**

### ***5.1 How Do You Like Me Now? (2020-00017-v000) Johnson (Broadcom)***

Howard Johnson (Broadcom) picked up where we left off last time. Back on the topic of 'closure identification', Howard looked back at FC-PH where he found an old depiction of an LCF, an N\_Port and a node and their relationship to each other. But some groups used the node to represent the card that held multiple ports, and others used it to apply to the entire box. Howard's proposal is to add to WWPN and WWNN a new higher level construct called World Wide Enclosure. A node has one or more N\_Ports and an N\_Port has one or more LCFs. But FC-FS already describes 'Platform' for this higher entity. But Platform Name does not require uniqueness today. And it requires a platform registration service to deposit the name into the fabric, and there is no existing ELS to query it.

Platform Name could be administratively configured. And we could define an ELS (like RNID) to retrieve it. In the case where the target/initiator can't retrieve it and supply it, the ELS could be rejected or somehow otherwise note that it's not available. Other options were discussed, but we seemed to settle on using a new RNID-like ELS. We would define a new attribute within the Platform model (or update the existing platform name attribute), along with a new ELS to retrieve it. Howard will look into taking this further, and Dave will look into a proposal for how to use the existing platform name attribute.

## 6 Unscheduled Business

## 7 Project Schedule

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

## 8 Review of Action Items

### Action Items Carried Forward:

None

### New Action Items:

None

## 9 Meeting Schedule

### 9.1 Next Plenary Week

Request 2 hours for FC-GS-9 at the T11 plenary week in Duluth, MN, 01 June - 05 June 2020.

## 10 Adjournment

Howard Johnson (Broadcom) moved and Roger Hathorn (iBM) seconded to adjourn. Approved unanimously.

The regular meeting was adjourned at 03:00 PM EDT on 07 April 2020.

# 11 Attendance

<b>Organization</b>	<b>Representative</b>	<b>T11.3 Member Company</b>
BROADCOM LIMITED	David Peterson	Y
BROADCOM LIMITED	Howard Johnson	Y
CISCO SYSTEMS INC	Mark Allen	Y
CISCO SYSTEMS INC	Mike Blair	Y
DELL INC	Alan Rajapa	Y
FUJITSU AMERICA INC	Mark Malcolm	Y
HEWLETT PACKARD ENTERPRISE	Barry Maskas	Y
IBM	Patty Driever	Y
IBM	Roger Hathorn	Y
NETAPP INC	Frederick Knight	Y