

Minutes

T11.3 FC-GS-8 ad hoc work group regular meeting 13 August 2019 – 1:30PM – 4:00PM MDT Santa Fe, NM, USA

The FC-GS-8 ad hoc work group of the Fibre Channel Protocol (T11.3) Task Group held a regular meeting at Santa Fe, NM on 13 August 2019, 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, 13 August 2019 at 01:35 PM MDT. He thanked our host organization, Marvell, and led a round of introductions.

1.1 Attendance and Membership

The chair explained that attendance is recorded electronically at 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. 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-8 ad hoc work group regular meeting 13 August 2019 has been posted as T11-2019-00220-v000.

Howard Johnson (Broadcom) moved and Alan Rajapa (Dell) seconded to accept T11-2019-00220-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-8 ad hoc work group regular meeting 04 June 2019 have been posted as T11/2019-00167-v000.

Howard Johnson (Broadcom) moved and Alan Rajapa (Dell) seconded to accept T11/2019-00167-v000 as the minutes of the FC-GS-8 ad hoc work group meeting on 04 June 2019. Approved unanimously.

3.2 Review of Old Action Items

Action Items Carried Forward From Prior Meetings:

None

New Action Items Identified Last Meeting:

2019-06-01 Jason to add new late RFC comment to comment database (**COMPLETE**)

4 Old Business

4.1 RFC ballot comment resolution (2019-00171-v003) Rusch (Viavi)

Last time we went through all the technical comments and since then Jason has also reviewed all Editorial comments and updated the latest draft with the resolutions and posted it. Jason made a motion, seconded by Howard Johnson (Broadcom), that we accept 2019-00171-v003 as the RFC Ballot Comment Resolution and forward the latest draft standard of FC-GS-8 (T11-2019-00103-v001) to T11.3 for further processing. Motion passed 7-0-0.

5.0 Scheduled Business

5.1 FC-GS-9 Project Proposal (2019-00173-v000) Peterson (Broadcom)

Dave created a project proposal for FC-GS-9. Since we reviewed it last time, Dave made a motion, seconded by Jason Rusch (Viavi) that we forward the FC-GS-9 project proposal, documented in 2019-00173-v000, to T11.3 for further processing. Motion passed 7-0-0.

6 Unscheduled Business

6.1 IP Address Server: Bringing Sexy Back (2019-00148-v001) Rajapa (Dell/EMC)

Alan presented some of the history, in particular that the IP Address Server was obsoleted some time ago, but a new use case for it has emerged. The IP address could be used to determine the physical enclosure a WWPN belongs to, which is something we don't have a good way to do today, mostly because of variation in implementation of what gets registered and what it really means.

But concerns were raised that this information (IP address) isn't something known by HBAs. Some suggested we make WWNN be used properly. Another suggested we use the Platform Name as the identifier of an enclosure, as was intended for that. Concern was expressed about using a new value (IP address) to solve a problem that apparently hasn't been solved yet due to either 'mis-use' or varying interpretations of what a 'node' is or what gets registered.

We seemed to settle back on registering Platform Name as the likely best option, which is not a mandatory thing to do today and not something many storage controllers do. And it's tied with FDML...no reason it needs to be. Perhaps we just make this registration mandatory to be compliant with FC-GS-9, rather than create something new and make registration of it mandatory.

7 Project Schedule

Milestone	Expected Date
Last technical input	October 2018
RFC Letter Ballot	April 2019
T11 Letter Ballot	August 2019
Forward to INCITS	October 2019

8 Review of Action Items

Action Items Carried Forward:

None

New Action Items:

2019-08-01 Chair to request T11.3 accept 2019-00171-v003 as the RFC Ballot Comment Resolution for FC-GS-8 and forward the latest draft standard (T11-2019-00103-v001) for further processing

2019-08-02 Chair to forward the FC-GS-9 project proposal, documented in 2019-00173-v000, to T11.3 for further processing

9 Meeting Schedule

9.1 Next Plenary Week

Request 2 hours for FC-GS-9 at the T11 plenary week in Couer d'Alene, ID, 07 October - 11 October 2019.

10 Adjournment

Howard Johnson (Broadcom) moved and Alan Rajapa (Dell) seconded to adjourn. Approved unanimously.

The regular meeting was adjourned at 02:09 PM MDT on 13 August 2019.

11 Attendance

Organization	Representative	T11.3 Member Company
BROADCOM LIMITED	David Baldwin	Y
BROADCOM LIMITED	David Peterson	Y
BROADCOM LIMITED	Howard Johnson	Y
CISCO SYSTEMS INC	Mike Blair	Y
DELL INC	Alan Rajapa	Y
FUJITSU	Mark Malcolm	Y
IBM	Patty Driever	Y
IBM	Roger Hathorn	Y
NETAPP	Fred Knight	Y
VIAVI SOLUTIONS	Jason Rusch	Y