

Minutes
T11.3 FC-GS-8 ad hoc work group regular meeting
04 June 2019 – 1:30PM – 4:00PM PDT
La Jolla, CA, USA

The FC-GS-8 ad hoc work group of the Fibre Channel Protocol (T11.3) Task Group held a regular meeting at La Jolla, CA on 04 June 2019, hosted by Broadcom. Attendance was 10 people from 6 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, 04 June 2019 at 01:42 PM PDT. He thanked our host organization, Broadcom, 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 09 April 2019 has been posted as T11-2019-00146-v000.

Howard Johnson (Broadcom) moved and Alan Rajapa (Dell) seconded to accept T11-2019-00146-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 09 April 2019 have been posted as T11/2019-00104-v000.

Howard Johnson (Broadcom) moved and Alan Rajapa (Dell) seconded to accept T11/2019-00104-v000 as the minutes of the FC-GS-8 ad hoc work group meeting on 09 April 2019. Approved unanimously.

3.2 Review of Old Action Items

Action Items Carried Forward From Prior Meetings:

None

New Action Items Identified Last Meeting:

- 2019-04-01** Editor to incorporate 2019-00081-v001 into FC-GS-8 (**COMPLETE**)
- 2019-04-02** Editor to post new draft (version 11.06) of FC-GS-8 (T11-2019-00103-v000) (**COMPLETE**)
- 2019-04-03** GS-8 chair to recommend to T11.3 to request INCITS initiate an RFC ballot on FC-GS-8 as documented in 2019-00103-v000 (**COMPLETE**)
- 2019-04-04** FC-GS-8 chair to generate project proposal for FC-GS-9. (**COMPLETE**)

4 Old Business

5.0 Scheduled Business

5.1 RFC ballot comment resolution (2019-00171-v000) Rusch (Viavi)

There were a total of 81 comments submitted, of which 23 are classified as Technical. Jason reviewed all of the ones flagged as technical and we came to resolution for them. Jason will review the editorial ones offline and come back if he has any he wishes to discuss with the group.

Jason (Viavi) made a motion, seconded by Alan Rajapa (Dell) to add a late RFC comment to remove 'IP address' from Node and Port in Figure 8 (since they were obsoleted some time ago). Motion passed unanimously.

5.2 IP Address Server: Bringing Sexy Back (2019-00148-v000) Rajapa (Dell/EMC)

IP address was a Name Server object obsoleted in FC-GS-3. It had been added to solve an FC-VI problem, but that never materialized....no switch or end devices ever used it. Dell would like us to consider bringing it back to simplify the target creation of initiator groups by using the IP address of the end device to correlated WWPNs/WWNNs on a physical enclosure. They would build a relationship between WWPN/WWNN and IP server. However there was much discussion about whether the device driver has access to this IP address information and other related topics/questions. Would hostname be a better answer? Basic problem is that we need some sort of attribute that can be used to correlate different HBAs on the same server (such as machine serial number). Dave suggested that Fibre Channel has defined the notion of a Platform Name, but it's not clear that any initiator implements this though. Howard and Alan agreed to work together to research this further as well as a possible solution that we think will be something that endpoints might/can implement.

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

Dave created a project proposal for FC-GS-9. We reviewed it today, but we will defer moving this forward to next time.

6 Unscheduled Business

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:

2019-06-01 Jason to add new late RFC comment to comment database

9 Meeting Schedule

9.1 Next Plenary Week

Request 2 hours for FC-GS-8 at the T11 plenary week in Santa Fe, NM, 12 August - 16 August 2019.

10 Adjournment

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

The regular meeting was adjourned at 02:58 PM PDT on 04 June 2019.

11 Attendance

Organization	Representative	T11.3 Member Company
BROADCOM LIMITED	David Baldwin	Y
BROADCOM LIMITED	David Peterson	Y
BROADCOM LIMITED	Howard Johnson	Y
BROADCOM LIMITED	James Smart	Y
CISCO SYSTEMS INC	Mike Blair	Y
DELL INC	Alan Rajapa	Y
DELL INC	David Brown	Y
HEWLETT PACKARD ENTERPRISE	Rupin Mohan	Y
IBM	Patty Driever	Y
VIAVI SOLUTIONS	Jason Rusch	Y