

Minutes

T10 FCP-5 ad hoc work group regular meeting

07 June 2021 – 1:00PM – 2:30PM CDT

Virtual Meeting

Document: T10-21-079r1/T11-2021-00143-v001

Attendance was 14 people from 8 organizations and is tabulated at the end of this document.

1 Opening remarks & Introductions

Dave Peterson (Broadcom) opened the regular meeting Monday, 07 June 2020 at 01:00 PM CDT. He thanked our host organization, Marvell, for the Zoom facilities and led a round of introductions.

1.1 Attendance and Membership

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:

https://standards.incits.org/apps/group_public/document.php?document_id=124850&wg_abbrev=eb

It will be reviewed at the plenary meetings later this week, and then subsequently in all Ad Hoc meetings as well.

1.3 Patents

The chair explained that this is a regular agenda item to identify any potential patent issues with developing standards and technical reports. For additional information on ANSI procedures and patent policy, please see INCITS web page at <http://www.incits.org/standards-information/legal-info>. Questions about this policy should be referred to the questioner's legal counsel or the ANSI General Counsel.

1.4 Antitrust

The Chair stated that the meeting was operating under INCITS procedures, and called special attention to the ANSI patent policies and the INCITS antitrust policies (<http://www.incits.org/standards-information/legal-info>). The Chair noted that the INCITS Antitrust Guidelines applied to this committee meeting, and that it was the responsibility of all attendees, and not just the Officers, to ensure that the Guidelines are followed, and to terminate discussions if they are not.

2 Approval of Agenda

An agenda for the FCP-5 ad hoc work group regular meeting 07 June 2021 has been posted as T11 document T11-2021-00129-v000 and T10 document T10/21-077r0.

Howard Johnson (Broadcom) moved and Kevin Butt (IBM) seconded to accept T11-2021-00129-v000 and T10/21-077r0 as the agenda for this regular meeting. Approved unanimously.

3 Review of Past Business

3.1 Review of Minutes

Minutes for the FCP-5 ad hoc work group meeting of 05 April 2021 have been posted as T10-21-046r0/T11-2021-00096-v000. Minutes of the interim meeting of 30 April 2021 have been posted as T10-21-061r0/T11-2021-00120-v000

Howard Johnson (Broadcom) moved and Kevin Butt (IBM) seconded to accept T10-21-046r0/T11-2021-00096-v000 as the minutes of the FCP-5 ad hoc work group meeting on 05 April 2021 and T10-21-061r0/T11-2021-00120-v000 as the minutes of the FCP-5 ad hoc work group interim meeting on 30 April 2021. Approved unanimously.

3.2 Review of Old Action Items

Action Items Carried Forward From Prior Meetings:

None

New Action Items Identified Last Meeting:

2104-01 Everyone to review Query Task to FLUSH mapping and determine if FLUSH provides everything that is needed. (**COMPLETE – no Query Task to FLUSH mapping**)

4 Old Business

4.1 FCP-5 Draft Standard Rev 03 (T10-fcp5r03) (T11-2021-00019-v002) Peterson (Broadcom)

Dave hasn't built a new level yet with the comment resolutions incorporated. More to come.

4.2 RFC Ballot Resolution (T10/21-029r2) (T11-2021-00068-v002) Peterson (Broadcom)

Dave Peterson (Broadcom) continued the RFC ballot comment resolution effort and addressed the following comments in some fashion:

CSCO-HB006	Should be bit 13 in text—agreed to leave name as RETRY
IBM-rh018	Reject - Not setting Establish Logical Pair is legal, albeit likely never done – No change at this time.
CSCO-MB002	Can do FLUSH without FLUSH-based retry but can't do FLUSH-based retry without FLUSH. Bit 12 should only reflect FLUSH link service is supported. Dave to review

	and propose text.
CSCO-MB003	Duplicate of CSCO-HB005
BCM-JS010	Dave to review CONF text associated with FLUSH-based recovery and pare down text in this area where bit is defined
CSCO-MB005	Dave to review text related to behavior is parameter field is set to 0
CSCO-MB004	Duplicate – no change at this time
BCM-JS011	Dave to review – may be ok ‘as is’ – James willing to rescind
CSCO-HB007	Reject- no added text needed
IBM-rh021	Accepted
IBM-rh022	Dave to review R_CTL header
BCM-dp030	Reject – no reference to FC-FS-6
BCM-JS013	Address in resolution of prior comment
CSCO-HB011	Reject - No explicit text needed
IBM-rh030	Dave to review why/how FLUSH-based exchange works

5.0 Scheduled Business

5.1

6 Unscheduled Business

7 Project Schedule

Milestone	Expected Date
Last technical input	June 2020
RFC Letter Ballot for T10 and T11	February 2021
T10 Letter Ballot	September 2021

8 Review of Action Items

Action Items Carried Forward:

None

New Action Items:

2106-01 Editor to post update to RFC ballot comment resolution as T10/21-029r3 and T11-2021-00068-v003).

9 Meeting Schedule

9.1 Next Plenary Week

Request 1 hour interim meeting on June 29th at 5pm Eastern time (2pm Pacific).
Request 1 hour for FCP-5 at the T11 plenary week hybrid meeting 16 August - 20 August 2021.
Next T10 is the week of July 12th – 16th.

10 Adjournment

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

The regular meeting was adjourned at 02:35 PM CDT on 07 June 2021.

11 Attendance

Organization	Representative	T11.3 Member Company
AMPHENOL CORP	Paul Coddington	Y
AMPHENOL CORP	Michael Klempa	Y
BROADCOM LIMITED	Howard Johnson	Y
BROADCOM LIMITED	David Peterson	Y
BROADCOM LIMITED	James Smart	Y
CISCO SYSTEMS INC	Ed Mazurek	Y
CISCO SYSTEMS INC	Ramesh Sivakolundu	Y
DELL INC	David Brown	Y
HEWLETT PACKARD ENTERPRISE	Barry Maskas	Y
IBM	Kevin Butt	Y
IBM	Patty Drierer	Y
IBM	Roger Hathorn	Y
MARVELL SEMICONDUCTOR	Craig Carlson	Y
NETAPP	Frederick Knight	Y