

FC-FS Minutes

July 11, 2000

An ad hoc meeting of working group FC-FS of NCITS Technical Committee T11 Task Group T11.3 was held at Colorado Springs, Colorado on July 11, 2000, in conjunction with the plenary meeting of the ANSI/NCITS T10 Technical Committee.

1. John Scheible, IBM, called the meeting to order at 7:09 am and led a round of introductions.
2. The minutes of the previous ad hoc meeting June 6, 2000 (T11/00-399v1) were approved.
3. The agenda for this meeting (T11/00-429v0) was approved (T11/00-429v0).
4. The attendance at this meeting is tabulated below.
5. We briefly reviewed the FS schedule (T11-00-345v0). There were no changes requested.
6. Bill Hamm led a continuation of the discussion of speed negotiation.
 - 6.1. Discussion began with the speed negotiation goals list as recorded in T11-00-426v0.
 - 6.1.1. Bob Nixon proposed a revision of goal 16 to resolve an action out of the last speed negotiation conference call. After discussion the proposal was withdrawn. The current writing of 16 was seen adequate.
 - 6.1.2. Goal 19 was revised to identify link failure and out-of-standard means as the triggers to renegotiate.
 - 6.1.3. The meaning (and appropriateness) of goal 20 and its referent goal 18 was questioned. ACTION: Hamm to rewrite goal 18 pursuant to protracted discussion of it.
 - 6.1.4. Goal 20 was deleted.
 - 6.1.5. There was a long discussion of whether we could reduce goals to support only point-to-point negotiation. This would disallow "raw" loops but allow hubs that ran at fixed speed or arbitrated the negotiation with each port. There was some enthusiasm but important exceptions were raised, exemplified by JBODs with negotiating drives and no internal compliant hubs. The discussion led to reducing the maximum loop size to 36. Note, the meeting agreed the only reason to limit loop size was to limit the duration of negotiation.

- 6.1.6. A minor change was made in the wording of Goal 22 (original numbering).
- 6.2. The next speed negotiation conference call, scheduled for 7/20/00, must resolve the algorithm if we are to incorporate it into FS on the current schedule.
7. Bob Dugan presented Tan Lu's proposal (T11-00-402v1) for BB Credit Recovery.
 - 7.1. A minor change was made in the wording that excluded arbitrated loop ports.
 - 7.2. A minor change was made to the wording of the initialization rules.
 - 7.3. Bob Dugan moved to incorporate "BB Credit Recovery" (T11-00-402v1) as modified into FC-FS. Seconded by Carl Zeitler. Passed, 13 for, 1 opposed, 2 abstaining.
8. Charles Binford presented changes to T11-00-361v0 (Return Port List and a "default" Specific Link Incident Record). These changes were requested when the original proposal was presented (to FC-GS-3, due to time constraints) at the June 2000 T11 plenary.
 - 8.1. It was questioned how to provide a FC-ID for an Eport. Not all bytes may be meaningful. A statement was added to require that the domain byte be valid; the port and area fields must be zero if a meaningful value is not defined.
 - 8.2. ACTION: Charles Binford to update T11-00-361v0 to be presented at the August meeting.
9. Bob Snively presented the latest version of requests from FCP2 for changes to FS (T11-00-284v3).
 - 9.1. Bob Snively moved to remove SRR from FC-FS. Seconded by Jim Coomes. Passed without objections.
 - 9.2. There was general agreement that further FS changes for FCP-2 can be pursued as necessary, as internal review comments and/or ballot comments.
10. Bob Snively presented changes to RSCN to add event qualifiers (T11-00-415v0).
 - 10.1. Mike ODonnell suggested a change to return some granularity to reports of service changes. The current proposal has only a single value to represent a change by any of several servers acting at the management service (did I get servers and services straight?).
 - 10.2. ACTION: Mike and Bob Snively will resolve and bring the proposal back next meeting.
 - 10.3. There was general agreement that this can be pursued for FS, probably as an internal review comment.

11. Chapters of the FC-FS 0.20 document were assigned for review. Contact the moderator for assignments.
12. Next meeting of working group FC-FS is planned for T11 Plenary Week, August 2000. See the plenary week meeting map for the details.
13. Summary of open action items:
 - 13.1. Bob Kembel to update his proposal FC Link Services and Login States. CARRYOVER.
 - 13.2. Bob Kembel to specify the reason codes for login reject. CARRYOVER.
 - 13.3. Jim Nelson to put the approved changes into FS as presented (2nd table in 00-185v2) and remove the MCM capable login bit that was added in FC-FS 0.10. CARRYOVER.
 - 13.4. Bob Kembel to update clause 15 - Link Services. CARRYOVER.
 - 13.5. Steve Wilson (Brocade) to provide the editor with clarifications to class 4 - 2 weeks. CARRYOVER.
 - 13.6. Bill Hamm to rewrite goal 18 in Speed Negotiation (T11-00-426v0) pursuant to discussion 7/11/00. NEW.
 - 13.7. Charles Binford to update T11-00-361v0 to be presented at the August meeting. NEW.
 - 13.8. Mike O'Donnell and Bob Snively will resolve and bring the RSCN changes proposal (based on T11-00-415v0) back next meeting. NEW.
14. The meeting was adjourned at 12:06 pm.

Please submit corrections to bob.nixon@emulex.com.

Attendance:

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