

in030262

From: Snively, Robert
Sent: Monday, February 24, 2003 3:44 PM
To: Spittle, Deborah
Cc: Craig Carlson (E-mail); John Scheible (E-mail); Snively, Robert
Subject: Forward of FC-FS-2 Project Proposal to INCITS

<<File: 03-092v0.pdf>> <<File: 03-111v0.pdf>>

From: Robert Snively
Sent: Monday, February 24, 2003
To: Deborah J. Spittle (E-mail)
Subject: Forward of FC-FS-2 Project Proposal to INCITS
Importance: High

Accredited Standards Committee* INCITS, Information Technology

Document Number: T11/03-120v0
Date: Monday, February 24, 2003
Project Number: TBD (FC-FS-2)
Ref. Docs: T11/03-092v0 (Project Proposal)
T11/03-111v0 (February Minutes)

Reply to: Robert Snively
1745 Technology Drive
San Jose, CA 95110
408-487-8135
rsnively@brocade.com

Ms. Deborah Spittle
Coordinator, National Standards Processing
1250 Eye Street, Suite 200
Washington, DC 20005-3922

Dear Deborah,

The T11 committee has prepared a project proposal for a project entitled Fibre Channel Framing and Signaling - 2 (FC-FS-2). The project is intended to develop a standard to separate the present FC-FS into two documents, this one defining the Fibre Channel framing and signaling and a separate one defining Fibre Channel Link Services.

The motion to accept the project proposal contained in T11/03-092v0 (FC-FS-2) and forward it to INCITS for further processing was accepted by a meeting vote in the February 6, 2003 meeting of T11, held in Newport Beach, CA. The motion "to accept the Project Proposal contained in T11/03-092v0 (FC-FS-2) and forward to INCITS for further processing" carried with a vote of 36 For, 0 Opposed, with 0 Abstaining and 22 Not Voting. This meets the two-thirds rule.

The vote is recorded in clause 10.2.1 of the enclosed minutes, T11/03-111v0.

Could you please take the appropriate steps to carry forward the recommendation of T11 and accept the project as a type D project to be developed within T11.

Thank you very much for your assistance in this matter.

Sincerely,

Bob Snively, chair TC T11 e-mail: rsnively@brocade.com
Brocade Communications Systems phone: 408 487 8135
1745 Technology Drive
San Jose, CA 95110

cc: Craig Carlson (Chair T11.3)
 John Scheible (Facilitator, FC-FS-2)

enc: T11/03-092v0 (Project Proposal)
 T11/03-111v0 (February Minutes)

Project Proposal For A New INCITS Standard

Fibre Channel Framing and Signaling - 2

(FC-FS-2)

T11/03-092v0

1 Source of the Proposed Project

1.1 Title

Fibre Channel – Framing and Signaling-2 (FC-FS-2)

1.2 Date

06 February 2003

1.3 Proposer(s)

INCITS TC T11, with a current membership of 69.

2 Process Description for Proposed Project

2.1 Project Type (Development or Revision)

Type D (Development done within INCITS T11)

2.2 Type of Document

Standard

2.3 Definition of Concepts and Special Terms

None

2.4 Expected Relationship with Approved Reference Models, Frameworks, Architectures, etc.

All Fibre Channel standards are intended for use in closed systems.

2.5 Recommended INCITS Development Technical Committee (Existing or New)

It is recommended that this project be assigned to TC T11, in order that the project be coordinated with work on other Fibre Channel standards.

2.6 Anticipated Frequency and Duration of Meetings

This project will make use of the regularly scheduled bimonthly T11 plenary meetings. Informal Working Groups will be organized on an ad-hoc basis.

2.7 Target Date for Initial Public Review (Milestone 4)

March 2005

2.8 Estimated Useful Life of Standard or Technical Report

It is anticipated that this standard will have a useful life of over 10 years.

3 Business Case for Developing the Proposed Standard or Technical Report

3.1 Description

The basis of FC-FS-2 will be the FC-FS document with the Link Services removed into a separate standard. FC-FS-2 will be a complete document and not a delta from FC-FS. FC-FS-2 will:

- a) Use FC-FS as a basis,
- b) be highly compatible with FC-FS,
- c) obsolete an outdated functions and features,
- d) clarify ambiguities,
- e) add improvements to existing features and services as needed for enhancements to the Fibre Channel, family of standards,
- f) add improvements to reduce interoperability problems,
- g) add new features as dictated by experience with existing implementations, and
- h) add new capabilities, which will improve performance of existing and future FC products.

3.2 Existing Practice and the Need for a Standard

As Fibre channel evolves with changes to speed, new upper level protocols, and new functions, FC-FS-2 is needed to describe any changes needed to Fibre Channel Framing and Signaling. FC-FS-2 will be a highly compatible extension to FC-FS. FC-FS-2 will be an entire standard and not a delta from FC-FS. Extended Link Services will be removed from FC-FS-2 and become a separate standard.

The project may also involve the deletion or obsoleting of outdated functions and features of FC-FS, support of new functions defined by the FC family of documents, the inclusion of improvements and clarifications to the definitions of existing services as dictated by experience with existing implementations, and other capabilities which will improve the performance of existing FC products and fit those products for new applications.

3.3 Implementation Impacts of the Proposed Standard

3.3.1 Development Costs

This standard will be developed through the voluntary and cooperative efforts of T11 Task Committee members. No significant development costs are anticipated.

3.3.2 Impact on Existing or Potential Markets

The proposed standard will provide an upward growth path that complements and enhances existing supplier products and support schemes and protects backward compatibility wherever possible. The proposed standard will result in expanded applications for existing and conceived products in both the channel and network markets. It is likely that isolated adverse effects would occur in any case through non-standard evolution or revolution.

3.3.3 Costs and Methods for Conformity Assessment

The committee will consider the results of testing provided to the committee through the voluntary efforts of the participants in T11. With this method all costs are borne by the organizations of the various participants and have for the most part been mainly an adjunct of their normal development costs.

3.3.4 Return on Investment

The return on investment for this development is expected to be high, due to the commonality of effort directed to a singular method of providing the services covered by the proposed standard. Additionally, the investment made in products developed under FC-FS-2 will be preserved by providing services within the existing infrastructure.

3.4 Legal Considerations

3.4.1 Patent Assertions

Calls will be made to identify assertions of patent rights in accordance with the relevant INCITS, ANSI and ISO/IEC policies and procedures. T11 is not aware of any patent assertions that may be made.

3.4.2 Dissemination of the Standard or Technical Report

Drafts of this document will be disseminated electronically. Dissemination of the final standard will be restricted as the document becomes the property of INCITS, ANSI, or ISO/IEC.

4 Related Standards Activities

4.1 Existing Standards

- X3.230-1994, Fibre Channel Physical and Signalling Interface (FC-PH).
- X3.297-1997, Fibre Channel Physical and Signalling Interface - 2 (FC-PH-2).
- X3.303-1998, Fibre Channel Physical and Signaling Interface -3 (FC-PH-3)
- INCITS 332:1999, Fibre Channel 2nd Generation Arbitrated Loop (FC-AL-2).
- INCITS 348:2000, Fibre Channel Generic Services (FC-GS-3).
- INCITS 355:2001 FC Switch Fabric and Switch Control Requirements (FC-SW-2)

4.2 Related Standards Activity

- Project 1331-D, Fibre Channel Framing and Signal Interface (FC-FS)
- Project 1306-D, Fibre Channel Physical Interface (FC-PI)
- Project 1413-D, Fibre Channel 10 Gigabit (FC-10GFC)
- Project 1466-D, Fibre Channel - Backbone (FC-BB-2)
- Project 1505-D, Fibre Channel - Generic Service 4(FC-GS-4)
- Project 1508-D, Fibre Channel - Switch Fabric - 3 (FC-SW-3)

The development of the FC-FS-2 definitions will build on the work in any related standards and will be guided, as appropriate, by standards outside the suite of Fibre Channel standards.

4.3 Recommendations for Coordinating Liaison

None

4.4 Recommendations for Close Liaison

None