

Jim Nelson

Project Proposal An Amendment To An INCITS Technical Report

Fibre Channel – Avionics Environment – Anonymous Subscriber Messaging / Amendment 1

(FC-AE-ASM/A1)

T11/07-540v1

1 Source of the Proposed Project

1.1 Title

Fibre Channel – Avionics Environment – Anonymous Subscriber Messaging / Amendment 1

1.2 Date

17 September 2007.

1.3 Proposer(s)

INCITS TC T11, with a current membership of 46.

2 Process Description for Proposed Project

2.1 Project Type (Development or Revision)

Type DT (Development of a Technical Report done within INCITS TC T11).

2.2 Type of Document

Technical Report

2.3 Definition of Concepts and Special Terms

None.

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

All Fibre Channel standards and technical reports 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 and Technical Reports

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)

February 2008.

2.8 Estimated Useful Life of Standard or Technical Report

It is anticipated that this technical report will have a useful life of 10 to 20 years based on the expected lifetime of avionics applications.

3 Business Case for Developing the Proposed Standard or Technical Report

3.1 Description

This project proposal recommends the development of a set of technical additions and corrections to INCITS TR-41-2006, Fibre Channel – Avionics Environment – Anonymous Subscriber Messaging (FC-AE-ASM), in order to better support the needs of the avionics community.

3.2 Existing Practice and the Need for a Standard or a Technical Report

After the completion of the development of the FC-AE-ASM Technical Report, some proposals to enhance the capabilities of FC-AE-ASM have been made. This amendment is intended to document the enhancements to the FC-AE-ASM Technical Report.

3.3 Implementation Impacts of the Proposed Technical Report

3.3.1 Development Costs

This technical report 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 Technical Report will provide an upward growth path that complements and enhances existing supplier products and support schemes. This report will result in expanded applications for existing and conceived products in avionics markets. It is likely that without this Technical Report adverse effects will occur through noninteroperable evolution.

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 technical report.

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 aware of patent assertions that have been made and letters indicating compliance with INCITS policies have been received.

3.4.2 Dissemination of the Standard or Technical Report

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

4 Related Standards Activities

4.1 Existing Standards and Technical Reports

ANSI INCITS 424-2007, *Fibre Channel – Framing and Signaling - 2 (FC-FS-2)*

ANSI INCITS TR-41-2006, *Fibre Channel - Avionics Environment - Anonymous Subscriber Messaging (FC-AE-ASM)*

ANSI INCITS 433-2007, *Fibre Channel – Link Services (FC-LS)*

INCITS.332-1999, *Information Technology – Fibre Channel Arbitrated Loop - 2 (FC-AL-2)*

INCITS TR-31-2002, *Information Technology – Fibre Channel Avionics Environment (FC-AE)*

4.2 Related Standards Activity

None.

4.3 Recommendations for Close Liaison

None.

5 Units of Measurement used in the Standard

Not Measurement Sensitive