INCITS Project Proposal Template

When a project is proposed to develop a new or revised INCITS standard or technical report, a project proposal must be submitted for review and approval.

A project proposal may be submitted by any individual or organization whether or not they are affiliated with INCITS.

A project proposal using this template is required for the:

- Development of new or revised American National Standards, Amendments, Supplements and Erratum;

- Development of a INCITS technical report; and

- Submission of a candidate standard for INCITS Fast Track processing as an American National Standard.

Proposals shall be submitted to the INCITS Secretariat using the following template:

1.   Project Information Summary

1.1   Title of proposed project
Provide a descriptive subject matter title. The title shall clearly and concisely indicate the field of technical activity.

Fibre Channel - Physical Interfaces - 8 (FC-PI-8)

1.2   Date Submitted
The submission date of the project proposal.

February 8, 2018

1.3   Proposer(s)
List the INCITS Organizational Entity, Fast Track Submitter, or other external organization.

INCITS Technical Committee

2.   Description of the Proposed Project

2.1   Project Intent
There are three types of projects when submitting a project proposal. Please choose **one** item below:

☒ Development project - a new standard, amendment, supplement, or erratum
☐ Revision project - a revision to an existing standard
☐ Technical Report project - an INCITS Technical Report (choose one type below)
  ☐ to be an INCITS Technical Report
  ☐ to be an INCITS Technical Report that is registered with ANSI

2.2   International Processing Intent
Is there intent to submit the standard (once approved) for consideration as an ISO/IEC JTC 1 or ISO standard?

Yes

2.3 Scope

What is the technical scope of the work? Other potential participants will need to understand the scope in order to decide whether or how to participate in this project.

The proposed project involves a compatible evolution of the present Fibre Channel physical layer.

Such evolutionary improvements may include, increase in the data rate of optical and electrical links in:

- Backplanes

- Horizontal and vertical wiring

- Inter- and intra-building connections

- Server room channels

It is desirable to enable the reuse of legacy optical and electrical cable plants.

2.4 Recommended INCITS Development Technical Committee

Indicate a preference for assignment of the proposed project to an existing INCITS Technical Committee, or propose creation of a new INCITS TC. Consult the INCITS Secretariat if a new INCITS TC is proposed.

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.

2.5 Target Date for Initial Public Review (Milestone 4)

Estimate the target date for releasing the draft document for public review (described as Milestone 4 in the INCITS Organization, Policies and Procedures).

December 2020

2.6 Project Editor

Include complete contact details.

Jose Castro - jose.castro@panduit.com

2.7 Units of Measurement

Indicate all units of measurement used.

☒Metric
☐US (Inch/Pound)
☐Not Applicable

3. Business Case for Developing the Proposed Standard or Technical Report

3.1 Project Need

Briefly identify why a standard is needed, rather than another kind of solution. Describe existing practice in the area of a proposed document to aid in judging timeliness and appropriateness of the project. Address the expected stability of the proposed document with respect to both current technology and potential technological advances.

The FC-PI-8 project will define the requirements for new physical layer variants that operate at higher data rates than those specified in FC-PI-7. The FC-PI-8 project will consider all aspects of transmit, receive and cable-plant performance requirements for optical and electrical links. The standard will enable interoperability of transmitter devices, receiver devices, interconnects, and components among different manufacturers.

3.2 Identify Stakeholders

Identify the stakeholders (e.g., telecom, consumer, etc.) likely to be directly impacted by this standard or technical report.

Stakeholders for this project include Fibre Channel vendors and Fibre Channel consumers.

3.3 Estimated Useful Life

Estimate the useful life of the standard or technical report.

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

4. Legal Considerations

4.1 Patents

Calls will be made to identify assertions of patent rights in accordance with the relevant INCITS, ANSI and ISO/IEC policies and procedures. Is the proposer aware of any patent assertions that may be made? If so, describe.

No

4.2 Copyright question

Are there any copyright considerations with respect to contributions expected for this project?

No

5. Related Standards Activities

5.1 Existing Standards

Identify existing standards, technical reports, relevant reference models, frameworks, architectures, etc., (including but not limited to INCITS, ANSI, ISO/IEC/JTC 1 and ISO) that may affect or be affected by the proposed project and any known or anticipated areas of conformance or conflict.

IEEE 802.3, OIF and FC-PI-7

5.2 Related Activity

Identify projects under development (including but not limited to INCITS, ANSI, ISO/IEC/JTC 1 and ISO) that may affect or be affected by the proposed project. For each project identified, indicate if the liaison arrangements have been made with these activities.

IEEE 802.3, OIF, and FC-PI-7

5.3 Participation

Are there any known organizations or associations interested in this work outside of INCITS? Provide a list if possible.

IEEE 802.3, OIF, and SNIA

5.4 Public notification

A notice will be published in ANSI Standards Action announcing the new project and to solicit new consensus body members. Notice of the newly approved project will also be announced via the social media accounts. Are there other places where this development should be announced (i.e., news outlets, conferences)?