

**ISO/IEC JTC 1
Information Technology**

Document Type: Proposal for a New Work Item (NWIP)

Document Title: ISO/IEC 14165-135: INFORMATION TECHNOLOGY – FIBRE CHANNEL - PART 135: Switch Fabric - 5 (FC-SW-5)

Document Source: SC 25

Reference:

Document Status: This document is circulated to JTC 1 National Bodies for concurrent review. If the JTC 1 Secretariat receives no objections to this proposal by the due date indicated, we will so inform the SC 25 Secretariat

Action ID: Act

Due Date: 2010-01-14

No. of Pages: 3

Proposal for a new work item (NWIP)

Pages: 4

Date of presentation of proposal 2009-08-06	Proposer: SC25
Secretariat: Germany DIN	ISO/IEC JTC 1 N 9845 ISO/IEC JTC 1/SC 25 N 1706

A **proposal for a new work item** shall be submitted to the secretariat of the ISO/IEC joint technical committee concerned with a copy to the ISO Central Secretariat.

Presentation of the proposal - to be completed by the proposer.

Title: ISO/IEC 14165-135: INFORMATION TECHNOLOGY – FIBRE CHANNEL - PART 135: Switch Fabric - 5 (FC-SW-5)

Scope (and field of application): This standard describes the requirements for an interconnecting Fabric consisting of multiple Fabric Switch elements to support the Fibre Channel - Framing and Signaling (FC-FS-3) and Fibre Channel - Physical Interface (FC-PI-4) standards

Purpose and justification - attach a separate page as annex, if necessary —

This standard describes the operation and interaction of Fibre Channel Switches.

This standard includes:

- E_Port Operation and Fabric Configuration;
- Path selection (FSPF);
- Bridge Port (B_Port) Operation;
- Distributed server interaction and communication;
- Exchange of information between Switches to support zoning;
- Distribution of Event Notifications between Switches;
- Virtual Fabrics Switch Support;
- Enhanced Commit Service;
- Virtual Channels.

Programme of work

If the proposed new work item is approved, which of the following document(s) is (are) expected to be developed ?

- ☒ a single International Standard
☐ more than one International Standard (expected number:)
☐ a multi-part International Standard consisting of parts
☐ an amendment or amendments to the following International Standard(s)
☐ a technical report , type

And which standard development track is recommended for the approved new work item?

- ☐ a. Default Timeframe
☒ b. Accelerated Timeframe
☐ c. Extended Timeframe

Relevant documents to be considered T11 Project 1822 -D latest version

Co-operation and liaison

Preparatory work offered with target date(s) September 2009

Signature: Dr. Walter P. von Pattay, Secretary of the ISO/IEC JTC 1/SC 25

Will the service of a maintenance agency or registration authority be required?NO.....

- If yes, have you identified a potential candidate?

- If yes, indicate name

Are there any known requirements for coding?NO.....

-If yes, please specify on a separate page

Does the proposed standard concern known patented items?YES.....

- If yes, please provide full information in an annex

Comments and recommendations of the JTC 1 or SC 25 Secretariat - attach a separate page as an annex, if necessary

Comments with respect to the proposal in general, and recommendations thereon:

It is proposed to assign this new item to JTC 1/SC 25, project number 1.25.13.13.53

Voting on the proposal - Each P-member of the ISO/IEC joint technical committee has an obligation to vote within the time limits laid down (normally three months after the date of circulation).

Date of circulation: 2009-10-14	Closing date for voting: 2010-01-15	Signature of Secretary: Dr. Walter von Pattay
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NEW WORK ITEM PROPOSAL - PROJECT ACCEPTANCE CRITERIA		
Criterion	Validity	Explanation
A. Business Requirement		
A.1 Market Requirement	Essential <input checked="" type="checkbox"/> ___ Desirable <input type="checkbox"/> ___ Supportive <input type="checkbox"/> ___	
A.2 Regulatory Context Essential <input type="checkbox"/> ___	Desirable <input type="checkbox"/> ___ Supportive <input type="checkbox"/> ___ Not Relevant <input checked="" type="checkbox"/> ___	
B. Related Work		
B.1 Completion/Maintenance of current standards	Yes <input type="checkbox"/> ___ No <input checked="" type="checkbox"/> ___	
B.2 Commitment to other organisation	Yes <input type="checkbox"/> ___ No <input checked="" type="checkbox"/> ___	
B.3 Other Source of standards	Yes <input type="checkbox"/> ___ No <input checked="" type="checkbox"/> ___	
C. Technical Status		
C.1 Mature Technology	Yes <input checked="" type="checkbox"/> ___ No <input type="checkbox"/> ___	
C.2 Prospective Technology	Yes <input type="checkbox"/> ___ No <input checked="" type="checkbox"/> ___	
C.3 Models/Tools	Yes <input type="checkbox"/> ___ No <input checked="" type="checkbox"/> ___	
D. Conformity Assessment and Interoperability		
D.1 Conformity Assessment	Yes <input type="checkbox"/> ___ No <input checked="" type="checkbox"/> ___	
D.2 Interoperability	Yes <input type="checkbox"/> ___ No <input checked="" type="checkbox"/> ___	
E. Adaptability to Culture, Language, Human Functioning and Context of Use		
E.1 Cultural and Linguistic Adaptability	Yes <input type="checkbox"/> ___ No <input checked="" type="checkbox"/> ___	Not applicable
E.2 Adaptability to Human Functioning and Context of Use	Yes <input type="checkbox"/> ___ No <input checked="" type="checkbox"/> ___	Not applicable
F. Other Justification		

Notes to Proforma

A. Business Relevance. That which identifies market place relevance in terms of what problem is being solved and or need being addressed.

A.1 Market Requirement. When submitting a NP, the proposer shall identify the nature of the Market Requirement, assessing the extent to which it is essential, desirable or merely supportive of some other project.

A.2 Technical Regulation. If a Regulatory requirement is deemed to exist - e.g. for an area of public concern e.g. Information Security, Data protection, potentially leading to regulatory/public interest action based on the use of this voluntary international standard - the proposer shall identify this here.

B. Related Work. Aspects of the relationship of this NP to other areas of standardisation work shall be identified in this section.

B.1 Competition/Maintenance. If this NP is concerned with completing or maintaining existing standards, those concerned shall be identified here.

B.2 External Commitment. Groups, bodies, or fora external to JTC 1 to which a commitment has been made by JTC for Co-operation and or collaboration on this NP shall be identified

here.

B.3 External Std/Specification. If other activities creating standards or specifications in this topic area are known to exist or be planned, and which might be available to JTC 1 as PAS, they shall be identified here.

C. Technical Status. The proposer shall indicate here an assessment of the extent to which the proposed standard is supported by current technology.

C.1 Mature Technology. Indicate here the extent to which the technology is reasonably stable and ripe for standardisation.

C.2 Prospective Technology. If the NP is anticipatory in nature based on expected or forecasted need, this shall be indicated here.

C.3 Models/Tools. If the NP relates to the creation of supportive reference models or tools, this shall be indicated here.

D. Conformity Assessment and Interoperability Any other aspects of background information justifying this NP shall be indicated here.

D.1 Indicate here if Conformity Assessment is relevant to your project. If so, indicate how it is addressed in your project plan.

D.2 Indicate here if Interoperability is relevant to your project. If so, indicate how it is addressed in your project plan

E. Adaptability to Culture, Language, Human Functioning and Context of Use

NOTE: The following criteria do not mandate any feature for adaptability to culture, language, human functioning or context of use. The following criteria require that if any ISO/IEC Directives, 5th Edition, 95 features are provided for adapting to culture, language, human functioning or context of use by the new Work Item proposal, then the proposer is required to identify these features.

E.1 Cultural and Linguistic Adaptability. Indicate here if cultural and natural language adaptability is applicable to your project. If so, indicate how it is addressed in your project plan. ISO/IEC TR 19764 (Guidelines, methodology, and reference criteria for cultural and linguistic adaptability in information technology products) now defines it in a simplified way: "ability for a product, while keeping its portability and interoperability properties, to: - be internationalized, that is, be adapted to the special characteristics of natural languages and the commonly accepted rules for their use, or of cultures in a given geographical region; - take into account the usual needs of any category of users, with the exception of specific needs related to physical constraints" Examples of characteristics of natural languages are: national characters and associated elements (such as hyphens, dashes, and punctuation marks), writing systems, correct transformation of characters, dates and measures, sorting and searching rules, coding of national entities (such as country and currency codes), presentation of telephone numbers and keyboard layouts. Related terms are localization, jurisdiction and multilingualism.

E.2 Adaptability to Human Functioning and Context of Use. Indicate here whether the proposed standard takes into account diverse human functioning and diverse contexts of use. If so, indicate how it is addressed in your project plan.

NOTE:

1. Human functioning is defined by the World Health Organization at

<http://www3.who.int/icf/beginners/bg.pdf> as:

<<In ICF (International Classification of Functioning, Disability and Health), the term functioning refers to all body functions, activities and participation.>>

2. Content of use is defined in ISO 9241-11:1998 (Ergonomic requirements for office work with visual display terminals (VDTs) – Part 11: Guidance on usability) as: <<Users, tasks, equipment (hardware, software and materials), and the physical and societal environments in which a product is used.>>

3. Guidance for Standard Developers to address the needs of older persons and persons with disabilities).

F. Other Justification Any other aspects of background information justifying this NP shall be indicated here.