

Proposal for a new work item on

Title: Information technology --- **Fibre Channel Protocol for SCSI, Second Version (FCP-2)**

PROPOSAL FOR A NEW WORK ITEM

Date of presentation of proposal: 2001-04-20	Proposer: USA
Secretariat: Germany(DIN)	ISO/IEC JTC 1 / SC 25 N

A **proposal for a new work item** shall be submitted to the secretariat of the Subcommittee of ISO/IEC joint technical committee 1 concerned with a copy to the secretariat of ISO/IEC JTC1 and to the ISO Central Secretariat. **Presentation of the proposal** - to be completed by the proposer Guidelines for proposing and justifying a new work item are given in ISO Guide 26.

Title ISO/IEC: INFORMATION TECHNOLOGY - Fibre Channel Protocol for SCSI, Second Version (FCP-2)
Scope: This standard defines a second version of the SCSI Fibre Channel Protocol (FCP). This standard is a mapping protocol for applying the SCSI command set to Fibre Channel. This standard defines how the Fibre Channel services and the defined Information Units (IUs) are used to perform the services defined by the SCSI-3 Architecture Model - 2 (SAM-2). This second version includes additions and clarifications to the first version, removes information that is now contained in other standards, and describes additional error recovery capabilities for the Fibre Channel protocol.
Purpose and justification: The Small Computer System Interface (SCSI) command set is widely used and applicable to a wide variety of device types. The transmission of SCSI command set information across Fibre Channel links allows the large body of SCSI application and driver software to be successfully used in the high performance Fibre Channel environment. This standard, <i>Fibre Channel Protocol for SCSI, Version 2 (FCP-2)</i> , describes the protocol for transmitting SCSI commands, data, and status using Fibre Channel FC-FS Exchanges and Information Units. Fibre Channel is a high speed serial architecture that allows either optical or electrical connections at data rates from 265 Mbits up to 4 Gbits per second. The topologies supported by Fibre Channel include point-to-point, fabric switched, and arbitrated loop. All Fibre Channel connections use the same standard frame format and standard hierarchy of transmission units to transmit the Information Units that carry SCSI information.
Programme of work: If the proposed new work item is approved, which of the following document(s) is (are) expected to be developed? <input checked="" type="checkbox"/> a single International Standard more than one International Standard
Relevant documents to be considered Fibre Channel Protocol for SCSI, Second Version (FCP-2), available now.
Cooperation and liaison: None.
Preparatory work offered with target date(s) Fibre Channel Protocol for SCSI, Second Version (FCP-2), available now.

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

Will the service of a maintenance agency or registration authority be required?No..... Are there any known requirements for coding?No..... Does the proposed standard concern known patented items? ... No.

Comments and recommendations of the JTC 1/SC 25 Secretariat: under JTC 1 directives 12.2.7 this document is distributed for voting in parallel with the CD, SC 25 N 679. CD 14776-331 is rather ripe and can be finalized by correspondence, thus also National Members, who normally do not send an expert to WG 4 may successfully participate in its further development and are kindly asked to answer question 3 also with yes, in case they intend to do so.

**Comments with respect to the proposal in general, and recommendations thereon:
It is proposed to assign this new item to JTC 1/SC 25 as project 1.25.13.11.18 .**

Voting on the proposal - Each P-member of the ISO/IEC JTC 1/SC 25 has an obligation to vote within the time limits laid down.

Date of circulation:	Closing date for voting:	Signature of JTC 1/SC 25 Secretary: Dr. Walter v. Pattay
-----------------------------	---------------------------------	---

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"/>	This interface is widely available on PC, server, and multimedia devices.
A.2 Regulatory Context	Essential <input type="checkbox"/> Desirable <input checked="" type="checkbox"/> Supportive <input type="checkbox"/> Not Relevant <input 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 organization	Yes ___ No <input checked="" type="checkbox"/>	
B.3 Other Source of standards	Yes ___ No <input checked="" type="checkbox"/>	
C. Technical Status		
C.1 Mature Technology	Yes <input checked="" type="checkbox"/> No ___	The technology for FC is mature.
C.2 Prospective Technology	Yes ___ No <input checked="" type="checkbox"/>	The standard is needed now.
C.3 Models/Tools	Yes ___ No <input checked="" type="checkbox"/>	
D. Conformity Assessment and Interoperability		
D.1 Conformity Assessment	Yes ___ No <input checked="" type="checkbox"/>	
D.2 Interoperability	Yes <input checked="" type="checkbox"/> No ___	If standard approved as this is the prime objective.
E. 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 standardization 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 for a external to JTC1 to which a commitment has been made by JTC for cooperation 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 JTC1 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 standardization.

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

D. Conformity Assessment and Interoperability

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.