

Proposal for a new work item on

Title: Information technology --- for SCSI Signal Modeling-2 (SSM-2)

PROPOSAL FOR A NEW WORK ITEM

Date of presentation of proposal: 2003-01-21	Proposer: SC25
Secretariat: Germany(DIN)	ISO/IEC JTC 1 / SC 25 N, 14776-mmm

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: SCSI Signal Modeling-2 (SSM-2)

Scope: This standard defines a common methodology for modeling and simulating electrical signals in SCSI systems accurately and consistently. It establishes the requirements for the exchange of performance information between components suppliers and system simulators. It defines the acceptable methods for extracting the electrical and performance attributes of the constituent parts of the SCSI parallel interface. It establishes a common methodology for simulating the SCSI physical environment. It is intended to be used in conjunction with the requirements within the SCSI Parallel Interface (SPI-x) family of standards.

This Standard establishes a common methodology for SCSI system signal modeling. Using this methodology, SCSI systems may be modeled accurately and consistently. This Standard establishes the requirements for the exchange of signal performance information between component suppliers, system integrators, and those carrying-out simulations. This Standard defines the acceptable methods for extracting the electrical and signal performance attributes of the constituent parts of a SCSI bus segment. This Standard establishes the acceptable methods for modeling these parts. It shall be used in conjunction with the requirements within the SCSI Parallel Interface (SPI-x) family of standards.

The objectives of the SCSI Signal Modeling (SSM-2) Standard are to:

- a) create a framework that shows how SCSI signal modeling fits within the context of a SCSI bus segment,
- b) define the modeling parameters of the component sets,
- c) define a set of elemental components of the SCSI parallel interface,
- d) define a set of composite components of the SCSI parallel interface,
- e) define the interface boundaries of the component sets,
- f) define the general signal modeling methodologies that apply to the SCSI parallel interface,
- g) define the only acceptable model types and formats for the exchange of performance information and model structure for each component,
- h) define the methodology for translating between physical measurements and necessary modeling parameters, and
- i) define a method for the exchange of information between component suppliers and system integrators.

Programme of work: If the proposed new work item is approved, which of the following

document(s)is (are) expected to be developed? <u> X </u> a single International Standard more than one International Standard
Relevant documents to be considered:
Cooperation and liaison: None.
Preparatory work offered with target date(s): ANSI Project 1514 will be available March 2003
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 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.nn .

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
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<i>NEW WORK ITEM PROPOSAL - PROJECT ACCEPTANCE CRITERIA</i>		
Criterion	Validity	Explanation
A Business Requirement		
A.1 Market Requirement	Essential <u> X </u> Desirable <u> </u> Supportive <u> </u>	This interface is available on many computers and storage systems.
A.2 Regulatory Context	Essential <u> </u> Desirable <u> X </u> Supportive <u> </u> Not Relevant <u> </u>	
B. Related Work		
B.1 Completion/Maintenance	Yes <u> </u> No <u> X </u>	

of current standards		
B.2 Commitment to other organization	Yes ____ No __X__	
B.3 Other Source of standards	Yes ____ No __X__	
C. Technical Status		
C.1 Mature Technology	Yes _X_ No ____	The technology for SCSI is mature.
C.2 Prospective Technology	Yes ____ No __X__	The standard is needed now.
C.3 Models/Tools	Yes ____ No __X__	
D. Conformity Assessment and Interoperability		
D.1 Conformity Assessment	Yes ____ No __X__	
D.2 Interoperability	Yes _X_ No ____	If standard approved as this is the prime objective.
E. Other Justification		