

Proposal for a new work item on

Title: Information technology --- for Passive Interconnect Performance (PIP)

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: Passive Interconnect Performance (PIP)

Scope: This standard defines the electrical measurement techniques and acceptable performance limits for various test parameters on the collection of wires, connectors, and circuits that form the electrical path between SCSI devices. This document specifies the details of the measurement methodology to minimize the error in results from different electrical testing laboratories. Details are given at each stage of testing including calibration, fixturing and sample preparation.

The Parallel Interface Performance standard defines requirements for measuring the electrical performance of bulk cable and interconnect assemblies for use in SPI-x applications and specification of performance limits.

The Parallel Interface Performance standard is divided into the following clauses:

- Clause 1 is the scope;
- Clause 2 enumerates the normative references;
- Clause 3 describes the definitions, symbols, conventions and abbreviations;
- Clause 4 provides a general overview of the concepts;
- Clause 5 contains a summary of bulk cable requirements
- Clause 6 contains sample preparation, fixtures and setups for bulk cable
- Clause 7 contains bulk cable test procedures
- Clause 8 contains a summary of interconnect assembly requirements
- Clause 9 contains sample preparation, fixtures, and setups for interconnect assemblies
- Clause 10 contains interconnect test requirements
- Annex A, Single ended bulk cable requirements, forms an integral part of this standard.

The follow informative annexes are provided:

- Annex B, Periodic structure effects
- Annex C, Requirements for SCSI signal driver board (SSDB)
- Annex D, Mirage effects in multi-drop subassembly TDR impedance measurement

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

☒ **X** 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 1439 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 <input checked="" type="checkbox"/> Desirable <input type="checkbox"/> Supportive <input type="checkbox"/>	This interface is available on many computers and storage systems.
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	Yes <input type="checkbox"/>	

organization	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		