PROPOSAL FOR A NEW WORK ITEM DRAFT NWIP

Date of presentation of proposal: YYYY-MM-DD	Proposer: SC 25
Secretariat: ANSI	ISO/IEC JTC 1 N **XXXX**

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 Guidelines for proposing and justifying a new work item are given in ISO Guide 26.

Title (subject to be covered and type of standard, e.g. terminology, method of test, performance requirements, etc.) **INFORMATION TECHNOLOGY — High Performance Serial Bus**

Scope (and field of application) This standard describes a high-speed, low-cost Serial Bus suitable for use as a peer-to-peer interconnect; it may also be used to provide redundant backup for parallel backplane buses. This standard follows the ISO/IEC 13213:1994 Command and Status Register (CSR) architecture.

Purpose and justification - attach a separate page as annex, if necessary: The purpose of this standard is to specify a high-speed, cost-effective interconnect that may be used by peer devices with potentially disparate characteristics: microprocessors, data processing peripherals (mass storage, printers, scanners and tape drives) and consumer electronic devices (digital cameras, set-top boxes, television sets and video recorders), to give some examples. Self-configuration and autonomous discovery of peer devices are essential considerations, as is the provision of two distinct classes of service. Asynchronous services permit confirmed delivery on a "best effort" basis while isochronous services guarantee access to the medium (bandwidth) and provide bounded delivery latency without confirmation. The latter makes Serial Bus particularly suitable to streaming audio and video applications.

The Serial Bus interface is being widely designed into consumer multimedia products. In anticipation of the Serial Bus interface ISO/IEC JTC 1 is already balloting a mapping protocol for the Serial Bus interface to international standard command sets as ISO/IEC 14776-232 Serial Bus Protocol 2 (SBP-2).

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 (expected number: ....)
____ a multi-part International Standard consisting of .... parts
____ an amendment or amendments to the following International Standard(s) ....
____ a technical report , type ....

Relevant documents to be considered: IEEE Std 1394-1995 and IEEE Std 1394a-2000, to be combined into the candidate document for the proposed international standard..

Cooperation and liaison:

Preparatory work offered with target date(s): IEEE Std 1394-1995 and IEEE Std 1394a-2000 (available now). Combination of these two documents in ISO/IEC style (available August 2001).

Signature:

Will the service of a maintenance agency or registration authority be required? ....Yes...............

- If yes, have you identified a potential candidate? ......Yes..........
- If yes, indicate name ....IEEE (world wide names already in place for other international standards) .....

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: Calls for patents resulted in claims which have been offered for license under reasonable and non-discriminatory terms.

Comments and recommendations of the JTC 1 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 and that the assigned standards number include the part number -01 to fit with anticipated follow-on projects.

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: YYYY-MM-DD	**Closing date for voting:** YYY-MM-DD	**Signature of JTC 1 Secretary:** Lisa A. Rajchel

NEW WORK ITEM PROPOSAL - PROJECT ACCEPTANCE CRITERIA		
Criterion	**Validity**	**Explanation**
A Business Requirement		
A.1 Market Requirement	Essential _X__ Desirable ___ Supportive ___	Definitions in the proposed standard have been a high priority for computer system, and IEEE 1394 peripheral device producers.

A.2 Regulatory Context	Essential _X__ Desirable ___ Supportive ___ Not Relevant ___	It has been reported to SC 25/WG 4 that important market areas have regulations which require the use of International Standards
B. Related Work		
B.1 Completion/Maintence of current standards	Yes _X __ No___	The proposed High Performance Serial Bus standard is a physical transport layered to allow the use of other higher layer international standards. ISO/IEC 13213:1994 Command and Status Register (CSR) and ISO/IEC 14776-232:200x Serial Bus Protocol 2 (SBP-2) are examples of those other international 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 the High Performance Serial Bus is mature but the market application is emerging and provision is made for enhanced versions with emerging technology.
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		

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 fora 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.