New Work Item Proposal

PROPOSAL FOR A NEW WORK ITEM

Date of presentation of proposal: 2004-04-06	Proposer: ISO/IEC JTC 1/SC 22/WG 21
Secretariat: ANSI	ISO/IEC JTC 1/SC 22 N 3729

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 (subject to be covered and type of standard, e.g. terminology, method of test, performance requirements, etc.) **Technical Report Type 2 on C++ Library Extensions Phase 2 (based on ISO/IEC 14882)**
Scope (and field of application) Library extensions of broad interest to users of C++ (possible examples include iterator categories, and extensions for C99 compatibility), and potential future directions for the standard C++ library.
Purpose and justification – C++ is widely used, and there is interest in a richer set of library components than the standard C++ library provides. The purpose of this TR is to promote innovation in C++ library design, and to establish existing practice that can be considered for future standardization.
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) .... __x__ a technical report , type 2 And which standard development track is recommended for the approved new work item? ___x_a. Default Timeframe ____b. Accelerated Timeframe ____c. Extended Timeframe
Relevant documents to be considered ISO/IEC 14882 Programming languages-C++
Co-operation and liaison
Preparatory work offered with target date(s) publication in 2007
Signature: Herb Sutter
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? ....No.......... - If yes, please provide full information in an annex

Comments and recommendations of the JTC 1 or SC 22 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 XX

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: 2004-04-12	Closing date for voting: 2004-06-12	Signature of Secretary: Sally Seitz

NEW WORK ITEM PROPOSAL - PROJECT ACCEPTANCE CRITERIA		
Criterion	**Validity**	**Explanation**
A. Business Requirement		
A.1 Market Requirement	Essential ___ Desirable _X__ Supportive ___	
A.2 Regulatory Context	Essential ___ Desirable ___ Supportive ___ Not Relevant __X_	
B. Related Work		
B.1 Completion/Maintenance of current standards	Yes ___ No__X_	
B.2 Commitment to other organisation	Yes ___ No_X__	
B.3 Other Source of standards	Yes ___ No_X__	
C. Technical Status		
C.1 Mature Technology	Yes ___ No__X_	
C.2 Prospective Technology	Yes _X__ No___	

C.3 Models/Tools	Yes ___ No__X_	
D. Conformity Assessment and Interoperability		
D.1 Conformity Assessment	Yes ___ No_X__	
D.2 Interoperability	Yes ___ No_X__	
E. Cultural and Linguistic Adaptability	**Yes_X___** **No_____**	
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

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. Cultural and Linguistic Adaptability Indicate here if cultural and linguistic adaptability is applicable to your project. If so, indicate how it is addressed in your project plan.

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