

New Work Item Proposal

PROPOSAL FOR A NEW WORK ITEM

Date of presentation of proposal: 2005-12-22	Proposer: KATS (Korean Agency for Technology and Standards)
Secretariat: Standards Council of Canada (SCC)	ISO/IEC JTC 1 N 0703 ISO/IEC JTC 1/SC 34 N

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 Topic Maps – Graphical Notation
Scope This proposed standard specifies a graphical notation for describing topic maps and topic map constructs.
Purpose and justification There is a need for a graphical notation for representing topic maps as defined in ISO/IEC 13250:2003. Such a notation would complement the existing XML interchange syntax (XTM) and the proposed Compact Syntax. It would enable the following: <ul style="list-style-type: none">• Visual presentation of topic map content to humans• User-friendly topic map ontology development• Graphical user interfaces for creating topic maps If approved, GTM will become Part 7 of ISO 13250.

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 new part of an existing International Standard (ISO/IEC 13250:2003) <input type="checkbox"/> more than one International Standard (expected number:) <input type="checkbox"/> a multi-part International Standard consisting of parts <input type="checkbox"/> an amendment or amendments to the following International Standard(s) <input type="checkbox"/> a technical report , type
And which standard development track is recommended for the approved new work item? <input type="checkbox"/> a. Default Timeframe <input type="checkbox"/> b. Accelerated Timeframe <input type="checkbox"/> c. Extended Timeframe

<p>Relevant documents to be considered</p> <p><i>ISO/IEC 13250-2 Topic Maps – Data Model</i></p> <p><i>ISO/IEC 19756 Topic Maps Constraint Language</i></p> <p>In addition, related graphical notations will be considered, including those for Express-G, UML, and ORM.</p>
<p>Co-operation and liaison</p> <p>None</p>
<p>Preparatory work offered with target date(s)</p> <p>Draft requirements</p>
<p>Signature:</p> <p>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</p> <p>Are there any known requirements for coding? No -If yes, please specify on a separate page</p> <p>Does the proposed standard concern known patented items? No - If yes, please provide full information in an annex</p>

Comments and recommendations of the JTC 1 or SC 34 Secretariat - attach a separate page as an annex, if necessary

<p>Comments with respect to the proposal in general, and recommendations thereon:</p> <p>It is proposed to assign this new item to JTC 1/SC 34</p>

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: 2005-12-22	Closing date for voting: 2006-03-22	Signature of Secretary: G. Ken Holman
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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"/>	Users and potential users of ISO 13250 have been requesting graphical interfaces for topic maps since the original ISO 13250 was first published in 2000. With the recent growth of the Topic Maps market, these requests can no longer be ignored without jeopardizing the future of ISO 13250.
A.2 Regulatory Context	Essential <input type="checkbox"/> Desirable <input type="checkbox"/> Supportive <input type="checkbox"/> Not Relevant <input checked="" type="checkbox"/>	
B. Related Work		
B.1 Completion/Maintenance of current standards	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	GTM will provide a foundation for building user-friendly tools to implement ISO 19756 (TMCL).
B.2 Commitment to other organisation	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
B.3 Other Source of standards	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
C. Technical Status		
C.1 Mature Technology	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Some work has been performed on visual interfaces to topic maps since 2000. In addition, this work will draw on a considerable body of experience from other modelling paradigms, including Express-G, UML, and ORM.
C.2 Prospective Technology	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
C.3 Models/Tools	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

D. Conformity Assessment and Interoperability		
D.1 Conformity Assessment	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	It is expected that the standard will have a conformance clause that covers conforming GTM processors. There may also be a conformance clause for conforming GTM documents.
D.2 Interoperability	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	The standard will have a clause defining how to create GTM models from models that conform to ISO 13250-2 (Topic Maps Data Model).
E. Cultural and Linguistic Adaptability	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	It is a requirement that GTM will support multiple languages and the Unicode character encoding. This will be achieved in the project by ensuring that GTM supports every aspect of the Topic Maps Data Model.
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