



**Form 4: New Work Item Proposal**

Circulation date: <a href="#">2016-08-19</a>  Closing date for voting: <a href="#">2016-11-12</a>	Reference number: <a href="#">ISO/IEC NP TS 21938-1</a> (to be given by Central Secretariat)  <a href="#">ISO/IEC JTC 1/SC 22</a>  <a href="#">N 5149</a>
Proposer (e.g. ISO member body or A liaison organization) <a href="#">ISO/IEC JTC 1/SC 22</a>	
Secretariat <a href="#">ANSI</a>	

A proposal for a new work item within the scope of an existing committee shall be submitted to the secretariat of that committee with a copy to the Central Secretariat and, in the case of a subcommittee, a copy to the secretariat of the parent technical committee. Proposals not within the scope of an existing committee shall be submitted to the secretariat of the ISO Technical Management Board.

The proposer of a new work item may be a member body of ISO, the secretariat itself, another technical committee or subcommittee, an organization in liaison, the Technical Management Board or one of the advisory groups, or the Secretary-General.

The proposal will be circulated to the P-members of the technical committee or subcommittee for voting, and to the O-members for information.

The proposer has considered the guidance given in the Annex C during the preparation of the NWIP.

**Proposal** (to be completed by the proposer)

<p><b>Title of the proposed deliverable.</b></p> <p><b>English title:</b></p> <p>Programming Language C -- Part 1: Extensions for parallel programming -- Part 1: Thread-based parallelism</p> <p><b>French title:</b></p> <p>(In the case of an amendment, revision or a new part of an existing document, show the reference number and current title)</p>
<p><b>Scope of the proposed deliverable.</b></p> <p>A Technical Specification in multiple Parts, specifying extensions to the programming language C. Each Part will specify extensions for a different aspect of parallel programming</p>
<p><b>Purpose and justification of the proposal*</b></p> <p>Current vendor support for parallel programming in C is not universally available, and when it is available, methods of accessing that support are different for different vendors. This Technical Specification will unify the form and interpretation of parallel language extensions for C, to allow users to write portable code. It is expected that the Technical Specification, or parts of it, will be incorporated into a future International Standard after experience is gained with the Technical Specification in the marketplace.</p> <p>Consider the following: Is there a verified market need for the proposal? What problem does this standard solve? What value will the document bring to end-users? See Annex C of the ISO/IEC Directives part 1 for more information. See the following guidance on justification statements on ISO Connect:  <a href="https://connect.iso.org/pages/viewpage.action?pageId=27590861">https://connect.iso.org/pages/viewpage.action?pageId=27590861</a></p>
<p><b>Preparatory work</b> (at a minimum an outline should be included with the proposal)</p> <p><input checked="" type="checkbox"/> A draft is attached      <input type="checkbox"/> An outline is attached      <input type="checkbox"/> An existing document to serve as initial basis</p> <p>The proposer or the proposer's organization is prepared to undertake the preparatory work required:</p> <p><input checked="" type="checkbox"/> Yes      <input type="checkbox"/> No</p>
<p><b>If a draft is attached to this proposal:</b></p> <p>Please select from one of the following options (note that if no option is selected, the default will be the first option):</p> <p><input type="checkbox"/> Draft document will be registered as new project in the committee's work programme (stage 20.00)</p> <p><input type="checkbox"/> Draft document can be registered as a Working Draft (WD – stage 20.20)</p> <p><input checked="" type="checkbox"/> Draft document can be registered as a Committee Draft (CD – stage 30.00)</p> <p><input type="checkbox"/> Draft document can be registered as a Draft International Standard (DIS – stage 40.00)</p>
<p><b>Is this a Management Systems Standard (MSS)?</b></p> <p><input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No</p> <p>NOTE: if Yes, the NWIP along with the <u>Justification study</u> (see Annex SL of the Consolidated ISO Supplement) must be sent to the MSS Task Force secretariat (tmb@iso.org) for approval before the NWIP ballot can be launched.</p>



Academic and research bodies	Unified support for parallelism	
Standards application businesses	Unified support for parallelism	
Non-governmental organizations	Unified support for parallelism	
Other (please specify)	Unified support for parallelism	
<b>Liaisons:</b> A listing of relevant external international organizations or internal parties (other ISO and/or IEC committees) to be engaged as liaisons in the development of the deliverable(s).	<b>Joint/parallel work:</b> <b>Possible joint/parallel work with:</b> <input type="checkbox"/> IEC (please specify committee ID) <input type="checkbox"/> CEN (please specify committee ID) <input type="checkbox"/> Other (please specify)	
<b>A listing of relevant countries which are not already P-members of the committee.</b>  Note: The committee secretary shall distribute this NWIP to the countries listed above to see if they wish to participate in this work		
<b>Proposed Project Leader</b> (name and e-mail address)  Clark Nelson clark.nelson@intel.com	<b>Name of the Proposer</b> (include contact information)  JTC 1/SC 22/WG 14 dmk@dmk.com	
<b>This proposal will be developed by:</b> <input checked="" type="checkbox"/> An existing Working Group:      ISO/IEC JTC 1/SC 22/WG 14 <input type="checkbox"/> A new Working Group: (Note: establishment of a new WG must be approved by committee resolution) <input type="checkbox"/> The TC/SC directly <input type="checkbox"/> To be determined:		
<b>Supplementary information relating to the proposal</b> <input checked="" type="checkbox"/> This proposal relates to a new ISO document <input type="checkbox"/> This proposal relates to the adoption as an active project of an item currently registered as a Preliminary Work Item <input type="checkbox"/> This proposal relates to the re-establishment of a cancelled project as an active project Other:		

Annex(es) are included with this proposal (give details)

[Draft attached](#)

**Additional information/question(s)**