



#### Form 4: New Work Item Proposal

Circulation date: <a href="#">2018-07-11</a>	Reference number: <a href="#">ISO/NP 19160-6</a> (to be given by Central Secretariat)  <a href="#">ISO/TC 211</a>  <a href="#">N 4888</a>
Closing date for voting: <a href="#">2018-10-04</a>	
Proposer (e.g. ISO member body or A liaison organization) <a href="#">CalConnect</a>	
Secretariat <a href="#">SIS</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 style="color: blue;">Addressing -- Part 6: Digital interchange models</p> <p><b>French title:</b></p> <p style="color: blue;">Adressage -- Partie 6: Modèles d'échange numérique</p> <p><i>(In the case of an amendment, revision or a new part of an existing document, show the reference number and current title)</i></p>
<p><b>Scope of the proposed deliverable.</b></p> <p style="color: blue;">This document specifies the "Address Interchange Object" models ("AXO"), suitable for machine encoding of the digital storage and transmission of the following components:</p> <ul style="list-style-type: none"> <li>—description of an address profile conforming to ISO 19160-1, Addressing—Part 1: Conceptual model;</li> <li>—address instances that conform to a specific profile of ISO 19160-1; and</li> <li>—a template for entering and displaying addresses conforming to a profile of ISO 19160-1.</li> </ul>
<p><b>Purpose and justification of the proposal*</b></p> <p style="color: blue;">Addresses are among the most commonly exchanged information on the Internet. The interchange of address is crucial to a number of Internet applications, including electronic commerce, contact exchange, non-postal deliveries, as well as location scheduling.</p> <p style="color: blue;">ISO 19160-1 has defined the first internationally-applicable address profile model suitable for different countries and languages, the profile models for each country are not readily useable for electronic exchange as they are defined in diagrams instead of in interchangeable form. The international community can only benefit from this work if the models can be interchanged and applied on the Internet for the various applications mentioned above.</p> <p style="color: blue;">This proposed standard defines a set of models adapted from 19160-1 designed for the digital interchange of address profiles, and additionally defines models for the interchange of address instances and their metadata. This document will enable address exchanges in a semantically meaningful, accurate and secure manner between address processing entities, including humans, applications and machines, all without loss of fidelity.</p> <p style="color: blue;">Specifically, the current vCard version 4 specification designed by CalConnect and published by IETF (<a href="https://tools.ietf.org/html/rfc6350">https://tools.ietf.org/html/rfc6350</a>) uses a US-centric postal address format, which forces users to shoehorn international postal formats into a US postal address structure. By providing an interchangeable encoding of the ISO 19160-1/UPU address model, CalConnect can ensure the successor of vCard version 4 to allow for international address usage in the native way expected by today's (and future) users.</p> <p style="color: blue;"><i>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:</i></p> <p style="color: blue;"><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>

**If a draft is attached to this proposal:**

Please select from one of the following options (note that if no option is selected, the default will be the first option):

- ☐ Draft document will be registered as new project in the committee's work programme (stage 20.00)  
☒ Draft document can be registered as a Working Draft (WD – stage 20.20)  
☐ Draft document can be registered as a Committee Draft (CD – stage 30.00)  
☐ Draft document can be registered as a Draft International Standard (DIS – stage 40.00)

If the attached document is copyrighted or includes copyrighted content:

- ☒ The proposer confirms that appropriate permissions have been granted in writing for ISO or IEC to use that copyrighted content.

**Is this a Management Systems Standard (MSS)?**

- ☐ Yes ☒ No

NOTE: if Yes, the NWIP along with the Justification study (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.

**Indication(s) of the preferred type to be produced under the proposal.**

- ☒ International Standard ☐ Technical Specification  
☐ Publicly Available Specification ☐ Technical Report

**Proposed development track**

- ☐ 18 months\* ☒ 24 months ☐ 36 months ☐ 48 months

**Note:** Good project management is essential to meeting deadlines. A committee may be granted only one extension of up to 9 months for the total project duration (to be approved by the ISO/TMB).

\*DIS ballot must be successfully completed within 13 months of the project's registration in order to be eligible for the direct publication process

**Draft project plan (as discussed with committee leadership)**

Proposed date for first meeting: [2018-05-28](#)

Dates for key milestones: DIS submission [2018-11-28](#)

Publication [2019-08-28](#)

**Known patented items (see ISO/IEC Directives, Part 1 for important guidance)**

- ☐ Yes ☒ No

If "Yes", provide full information as annex

**Co-ordination of work:** To the best of your knowledge, has this or a similar proposal been submitted to another standards development organization?

- ☐ Yes ☒ No

If "Yes", please specify which one(s):

**A statement from the proposer as to how the proposed work may relate to or impact on existing work, especially existing ISO and IEC deliverables.**

The proposer should explain how the work differs from apparently similar work, or explain how duplication and conflict will be minimized.

[This work is the sixth part of the ISO 19160 series on Addressing. Previous parts of ISO 19160 deal](#)

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with the concepts and data models relating to addressing, while this part is designed to utilize and supplement the existing parts with digitized addressing.

A listing of relevant existing documents at the international, regional and national levels.

- \* ISO 19160-1:2015 Addressing -- Conceptual model;
- \* ISO 19160-2 Addressing -- Good practices for address assignment schemes (work in progress);
- \* ISO 19160-3:2016 Addressing -- Quality management for address data;
- \* ISO 19160-4:2017 Addressing -- International postal address components and templates;
- \* ISO 19160-5 Addressing -- Address rendering for purposes other than mail (work in progress).

Please fill out the relevant parts of the table below to identify relevant affected stakeholder categories and how they will each benefit from or be impacted by the proposed deliverable(s).

	Benefits/impacts	Examples of organizations / companies to be contacted
Industry and commerce large industry	Interchangeable international addresses, cost reduction in e-commerce and address validation.	E-commerce commercial entities, delivery services, cloud service providers of contacts functionality (e.g. CRM).
Industry and commerce SMEs	Interchangeable international addresses, cost reduction in e-commerce and address validation.	E-commerce commercial entities, delivery services, cloud service providers of contacts functionality.
Government	Electronic governmental services using digital addresses, publishing of address schema, publishing of standard address display and input.	Governmental postal entities, government departments related to postal mail, e.g. tax
Consumers	Addresses in standard schema improve deliverability and reduce cost of e-commerce, convenience with time reduction in entering of addresses	Users of contact software and e-commerce services
Labour	Convenience with time reduction in entering of addresses	N/A
Academic and research bodies	Interchangeable addresses, address schema, address display and input.	Academic and research bodies that work on business information exchange
Standards application businesses	Address schema publication and management, validation of address capabilities	Standards bodies who are interested in expanding their conformity business.
Non-governmental organizations	Convenience and cost reduction	N/A
Other (please specify)	Postal and courier services: cost reduction and certainty in deliverability, end-to-end address confirmation	Postal and courier services, address quality firms.

<p><b>Liaisons:</b></p> <p>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).</p> <p><a href="#">CalConnect (proposing organization)</a> TC 154</p>	<p><b>Joint/parallel work:</b></p> <p><b>Possible joint/parallel work with:</b></p> <p><input type="checkbox"/> IEC (please specify committee ID)</p> <p><input type="checkbox"/> CEN (please specify committee ID)</p> <p><input checked="" type="checkbox"/> Other (please specify) <a href="#">CalConnect (proposing organization)</a></p>
<p><b>A listing of relevant countries which are not already P-members of the committee.</b></p>   <p>Note: The committee secretary shall distribute this NWIP to the countries listed above to see if they wish to participate in this work</p>	
<p><b>Proposed Project Leader</b> (name and e-mail address)</p> <p><a href="#">Peter Tam</a> <a href="mailto:peter.tam@ribose.com">peter.tam@ribose.com</a></p>	<p><b>Name of the Proposer</b> (include contact information)</p> <p><a href="#">Ronald Tse / Peter Tam</a> <a href="mailto:ronald.tse@ribose.com">ronald.tse@ribose.com</a> / <a href="mailto:peter.tam@ribose.com">peter.tam@ribose.com</a></p>
<p><b>This proposal will be developed by:</b></p> <p><input checked="" type="checkbox"/> An existing Working Group: <a href="#">ISO/TC 211/WG 7</a></p> <p><input type="checkbox"/> A new Working Group:</p> <p>(Note: establishment of a new WG must be approved by committee resolution)</p> <p><input type="checkbox"/> The TC/SC directly</p> <p><input type="checkbox"/> To be determined:</p>	

**Supplementary information relating to the proposal**

- ☒ This proposal relates to a new ISO document
- ☐ This proposal relates to the adoption as an active project of an item currently registered as a Preliminary Work Item
- ☐ This proposal relates to the re-establishment of a cancelled project as an active project

Other:

**Maintenance agencies and registration authorities**

- ☐ This proposal requires the service of a maintenance agency. If yes, please identify the potential candidate:
- ☐ This proposal requires the service of a registration authority. If yes, please identify the potential candidate:

NOTE: Selection and appointment of the MA or RA is subject to the procedure outlined in the ISO/IEC Directives, Annex G and Annex H, and the RA policy in the ISO Supplement, Annex SN.

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

**Additional information/question(s)**