Form 4: New Work Item Proposal

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| Circulation date:  2019/01/31  Closing date for voting:  Click here to enter text. | Reference number: Click here to enter text. (to be given by Central Secretariat) |
| Proposer (e.g. ISO member body or A liaison  organization)  CalConnect (A liaison) | **ISO/TC** 154**/SC** Click here to enter text.  Proposal for a new PC |
| Secretariat  SAC | **N** Click here to enter text. |

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.

**IMPORTANT NOTE:Proposals without adequate justification risk rejection or referral to originator**.  
Guidelines for proposing and justifying a new work item are contained [**in Annex C of the ISO/IEC Directives, Part 1**](http://isotc.iso.org/livelink/livelink?func=ll&objId=4230452&objAction=browse&sort=subtype)**.**

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

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

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| **Title of the proposed deliverable.**  **English title:**  Date and time — Codes for calendar systems  **French title (if available):**  Date et l'heure — Codes pour les systèmes de calendrier  *(In the case of an amendment, revision or a new part of an existing document, show the reference number and current title)* | |
| **Scope of the proposed deliverable.**  This document provides a list of codes to represent calendar systems and the corresponding maintenance procedures.  The codes were devised for usage of any application requiring the expression of calendar systems in coded form, including for data interchange. | |
| **Purpose and justification of the proposal\***  There are a number of different calendar systems in use today globally. While the Gregorian calendar has achieved relatively universal status, some are used in specific locations, such as the Hebrew, Chinese and Japanese calendars, some are used for specific purposes, such as the Buddist calendars for religious and cultural reasons, and a large number of them relegated to historic archives and bibliography.  Today, these dates can only be compared in implementation-specific methods, such as through software libraries, but conversions based on different libraries often lead to incompatible results.  In order to allow compare and conversion of dates (such as events) across different calendars, the necessary first step is to provide a unique identifier for each calendar system.  This proposed standard will provide a list of codes to represent various calendars for all the above stated usages, and be able to facilitate date conversion and comparison of different dates across calendars systems.  *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:* [*https://connect.iso.org/pages/viewpage.action?pageId=27590861*](https://connect.iso.org/pages/viewpage.action?pageId=27590861) | |
| **Please select any UN Sustainable Development Goals (SDGs) that this deliverable will support. For more information on SDGs, please visit our website at**[**www.iso.org/SDGs**](http://www.iso.org/SDGs)**."**  GOAL 1: No Poverty  GOAL 2: Zero Hunger  GOAL 3: Good Health and Well-being  GOAL 4: Quality Education  GOAL 5: Gender Equality  GOAL 6: Clean Water and Sanitation  GOAL 7: Affordable and Clean Energy  GOAL 8: Decent Work and Economic Growth  GOAL 9: Industry, Innovation and Infrastructure  GOAL 10: Reduced Inequality  GOAL 11: Sustainable Cities and Communities  GOAL 12: Responsible Consumption and Production  GOAL 13: Climate Action  GOAL 14: Life Below Water  GOAL 15: Life on Land  GOAL 16: Peace and Justice Strong Institutions  N/A GOAL 17: Partnerships to achieve the Goal | |
| **Preparatory work** (at a minimum an outline should be included with the proposal)  A draft is attached  An outline is attached  An existing document to serve as initial basis  The proposer or the proposer's organization is prepared to undertake the preparatory work required:  Yes  No | |
| 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 copyright permission has been granted for ISO to use this content in compliance with clause 2.13 of the ISO/IEC Directives, Part 1 (see also the Declaration on copyright). | |
| **Is this a Management Systems Standard (MSS)?**  Yes  No  NOTE: if Yes, the NP along with the Justification study (see [Annex SL of the Consolidated ISO Supplement](http://isotc.iso.org/livelink/livelink?func=ll&objId=4230452&objAction=browse&sort=subtype)) must be sent to the MSS Task Force secretariat ([tmb@iso.org](mailto:tmb@iso.org)) for approval before the NP ballot can be launched. | |
| **Indication(s) of the preferred type or types of deliverable(s) to be produced under the proposal.**  International Standard  Technical Specification  Publicly Available Specification | |
| **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: ­­­­2019/03/15  Dates for key milestones: DIS submission 2020/03/01  Publication 2020/06/01 | |
| **Known patented items (see** [**ISO/IEC Directives, Part 1**](http://isotc.iso.org/livelink/livelink?func=ll&objId=4230452&objAction=browse&sort=subtype) **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):  Click here to enter text. | |
| **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 lead by CalConnect TC DATETIME and follows up with the recently finalized ISO 8601-1 and ISO 8601-2 (both from ISO/TC 154/WG 5, the proposing committee).  This standard aims to enable a system of date and time representations that allows the user to specifically mark the types of date and time systems used.  There is no similar work to this project in international SDOs. | |
| **A listing of relevant existing documents at the international, regional and national levels.**  \* ISO 8601-1: Date and time -- Representation for information interchange -- Part 1: Basic rules  \* ISO 8601-2: Date and time -- Representation for information interchange -- Part 2: Extensions  \* ISO 80000-3 Quantities and units -- Part 3: Space and time | |
| **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** | Ability to represent calendar systems, cost reduction in e-commerce, technical interoperability, service offerings. | Travel and logistics, e-commerce, finance technology, cloud service providers, utility providers. | | **Industry and commerce – SMEs** | Ability to represent calendar systems, cost reduction in e-commerce, transportation, resource availability. | E-commerce commercial entities, delivery services, cloud operators, software developers, technical service operators. | | **Government** | Ability to represent calendar systems, electronic governmental services using digital date and time | Governmental calendar authority (such as to determine holidays), document archiving. | | **Consumers** | Ability to represent calendar systems in daily life, such as birthdays and civil events | Users of services that rely on time, who need to transition between different calendar systems. | | **Labour** | Ability to represent calendar systems to know accurate dates for wages | Labor unions, regulators and non-profits. | | **Academic and research bodies** | Interchangeable date and time concepts using calendar codes, across cultures and globally. | Academic and research bodies that work on scientific research, libraries, bibliographic community. | | **Standards application businesses** | Ability to represent calendar systems and their dates, representation of civil calendar across the globe | Standards bodies that work with multiple calendar systems. | | **Non-governmental organizations** | Ability to represent calendar systems and their dates, representation of civil calendar across the globe | Labor- or wage-related NGOs, weather and astronomical observatories, science research organizations. | | **Other (please specify)** | Ability to represent calendar systems across populations and geography. | Postal and courier services, weather observatories, astronomical observatories. (e.g some calendars are linked to meteorological predictions) | | |
| **Liaisons:**  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).  \* CalConnect (proposing organization) | **Joint/parallel work:**  **Possible joint/parallel work with:**  IEC (pleasespecify committee ID)  Click here to enter text.  CEN (pleasespecify committee ID)  Click here to enter text.  Other (pleasespecify)  CalConnect (proposing organization) |
| **A listing of relevant countries which are not already P-members of the committee.**  Canada  Note: The committee secretary shall distribute this NP to the countries listed above to see if they wish to participate in this work | |
| **Proposed Project Leader** (name and e-mail address)  Ronald Tse  [ronald.tse@ribose.com](mailto:ronald.tse@ribose.com) | **Name of the Proposer**  (include contact information)  Ronald Tse / Peter Tam [ronald.tse@ribose.com](mailto:ronald.tse@ribose.com) [peter.tam@ribose.com](mailto:peter.tam@ribose.com) |
| **This proposal will be developed by:**  An existing Working Group (please specify which one: WG5)  A new Working Group (title: Click here to enter text.)  (Note: establishment of a new WG must be approved by committee resolution)  The TC/SC directly  To be determined | |
| **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:  Click here to enter text. | |
| **Maintenance agencies and registration authorities**  This proposal requires the service of a **maintenance agency**. If yes, please identify the potential candidate:  Click here to enter text.  This proposal requires the service of a **registration authority**. If yes, please identify the potential candidate:  CalConnect  Ribose  NOTE: Selection and appointment of the MA or RA is subject to the procedure outlined in the [ISO/IEC Directives](http://isotc.iso.org/livelink/livelink?func=ll&objId=4230452&objAction=browse&sort=subtype), Annex G and Annex H, and the RA policy in the ISO Supplement, Annex SN. | |
| Annex(es) are included with this proposal (give details)  Click here to enter text. | |
| Additional information/questions  Click here to enter text. | |