ISO/IEC JTC 1/SC 35 Dublin plenary meeting resolutions (2019-02-21)

Follow UP   For information

Delegations represented at the meeting: Canada, China, France, Germany, Japan, Korea (Republic of), Sweden

Remote Participation: UK

WG 1

Resolution 2019-01: Renaming ISO/IEC 23836: "Information technology – User interfaces – Universal human language selection interface"

ISO/IEC JTC 1/SC 35

- requests the SC 35 secretariat to take necessary actions to change this project's title to "Information technology — User interfaces – Universal interface for human language selection" no later than 2019-03-01 [French title remains the same: *Technologies de l'information — Interfaces utilisateur - Interface universelle de sélection d'une langue*].

Unanimously approved

Resolution 2019-02: Initiating CD ballot on project ISO/IEC 23836: "Information technology – User interfaces – Universal Interface for human language selection"

ISO/IEC JTC 1/SC 35

- requests the SC 35 secretariat to post the disposition of comments (JTC1/SC35/WG1 N 55) on NP ballot of ISO/IEC 23836 produced by Alain LaBonté on behalf of the project leader Mr. Keld Simonsen, on the JTC1/SC35 web site;
- Requests Pr. Em. Hiroaki IKEDA to send to the project leader an image file for the new icon and symbol for language selection and Japanese NSB to provide enhancement text for Annex A of the WD no later than 2019-03-15;
- requests project leader Mr. Keld Simonsen (with possible help from Mr. Alain LaBonté if necessary) to incorporate all changes agreed at the Dublin meeting in the WD no later than 2019-03-29 and to send it to the SC35 secretariat.
- requests the SC35 secretariat to launch a 12-week CD ballot with this text no later than 2019-04-05 so that ballot results be ready before the next SC35 meeting.

Unanimously approved

Resolution 2019-03: New enhanced definitions of terms "group" and "level" for consistent use in all ISO/IEC JTC1/SC35 keyboard standards

ISO/IEC JTC 1/SC 35

- requests Mr. Alain LaBonté, Mr. Karl Pentzlin, Mr. Thibault Grouas and Mr. Keld Simonsen to continue the email discussion about enhanced definitions of "group" and "level" in order to fix the lack of precision of these definitions in current ISO/IEC 9995-1.
- these definitions should be compatible with the current ISO/IEC 9995 published series but be more precise; they should have consideration for the possible fallbacks necessary for virtual keyboards.
- requests that consensus be reached among the afore-mentioned experts by 2019-03-15 on these definitions, so that they be used consistently as of then in new keyboard standards or in the potential revision of ISO/IEC 9995.

Resolution 2019-04: CD ballot on ISO/IEC 22121-2 "Information technology – Virtual keyboard user interfaces – Part 2: On-screen keyboards with direct touch interface"

ISO/IEC JTC 1/SC 35

- requests the Korean NSB to provide the project leader M. Thibault Grouas whatever is necessary (in particular a watch-type on-screen keyboard example) to satisfy their comment on the WD made during NP ballot
- requests the editor, Mr. Thibault Grouas, to provide a new text to the SC35 Secretariat no later than 2019-03-29 taking into account all changes agreed in Dublin (including new enhanced definitions of the terms "group" and "level") ;
- requests the SC35 secretariat to launch a 12-week CD ballot with this text no later than 2019-04-05 so that ballot results be ready before the next SC35 meeting.

Unanimously approved

Resolution 2019-05: Request for comments on draft of PWI ISO/IEC 22121-3 "Information technology – Virtual keyboard user interfaces – Part 3: Virtual keyboards interactions"

ISO/IEC JTC 1/SC 35

- requests the SC35 secretariat to send NSBs a formal 12-week request for comments no later than 2019-03-15 containing:
  - ➢ ISO/IEC JTC1/SC35/WG 1 document N54
  - ➢ along with the following wording of the request:

"ISO/IEC JTC1/SC35 requests that NSBs provide both technical comments and their opinion on:
- whether they believe this document is high level enough to serve as Part 1
- whether they would prefer this to be a Part 3, and if so what they would like to see from a part 1."

Unanimously approved

Resolution 2019-06: ISO/IEC 9995-9:2016/DAM 1 "Information technology – Keyboard layouts for text and office systems – Part 9: Multi-lingual, multiscript keyboard layouts – Amendment 1"

ISO/IEC JTC 1/SC 35

- requests the project leader, M. Karl Pentzlin, once the results of DAM 1 to 9995-9 are known, to prepare a recommendation whether FDAM1 should be published, or content be rather incorporated into a new version of ISO/IEC 9995-9, part of a potential revision of the full ISO/IEC 9995 series.
- requests SC35 secretariat to take appropriate action to launch the FDAM1 ballot if the above-mentioned recommendation is to not wait for a new version.

Unanimously approved

Resolution 2019-07: Progress of project ISO/IEC 9995-12 "Information technology – Keyboard layouts for text and office systems – Part 12: Keyboard group selection"

ISO/IEC JTC 1/SC 35

- requests the SC 35 secretariat to post the disposition of comments (JTC1/SC35/WG1 N 56) on 2nd CD of ISO/IEC 9995-12 produced by Alain LaBonté on behalf of the project leader Mr. Keld Simonsen, on the JTC1/SC35 web site;
- requests project leader Mr. Keld Simonsen (with possible help from Mr. Alain LaBonté if necessary) to incorporate all changes agreed at the Dublin meeting in the CD document (including the new definitions of "level" and "group" produced as a result of resolution 2019-03) before the Shanghai meeting to send it to the SC35 secretariat.
- requests the SC35 secretariat to launch a DIS ballot with this new text no later than 2019-07-01 so that ballot results be ready before the SC35 meeting of 1st quarter of 2020.

Unanimously approved

Resolution 2019-08: Postponing ISO/IEC 9995-7 amendment 2

ISO/IEC JTC 1/SC 35

- requests Mr. Karl Pentzlin to prepare a proposal for revision of all parts of ISO/IEC 9995 except part 9 and 12 still under development; this proposal would incorporate new symbols previously considered to be included in a potential PDAM2 to 9995-7. This amendment is therefore put on hold until the revision of the whole series occurs.
- requests the SC35 Secretariat to gather from ITTF the editable documents (i.e. in Word format) of the currently published ISO/IEC 9995 standards and their amendments to Mr. Karl Pentzlin and Mr. Alain LaBonté, in their English and French versions, for revision purposes.

Unanimously approved

Resolution 2019-09: Postponing ISO/IEC 9995-10 amendment 1

ISO/IEC JTC 1/SC 35

- requests Mr. Karl Pentzlin to incorporate in a new version of ISO/IEC 9995-10 the new symbols previously considered to be included in a potential PDAM1 to 9995-10 pending the revision of the full series of standards (except part 9 and 12 still under development). This amendment is therefore put on hold until the revision of the whole series occurs.

Unanimously approved

Resolution 2019-10: Registering new symbols in IEC database

ISO/IEC JTC 1/SC 35

- requests Mr. Karl Pentzlin to work together with Pr. Em. Hiroaki Ikeda to ensure that the new symbols considered for inclusion in ISO/IEC 9995-7 and ISO/IEC 9995-10 be registered in the IEC symbol database on time for the start of the ISO/IEC 9995 series revision. It is understood that Pr. Em. Ikeda, being the bidirectional liaison officer between ISO/IEC JTC 1/SC 35 and IEC TC 3/SC 3C, will be responsible for the official formulation of the necessary materials (in collaboration with Mr. Karl Pentzlin) that will be submitted to IEC TC 3/SC 3C Secretary (Dr Yoshikazu Seki) for inclusion in IEC 60417 (Graphical symbols for use on equipment).

Unanimously approved

Resolution 2019-11: Tools for encoding ISO/IEC 9995-7 and ISO/IEC 9995-10

As a follow-up of resolutions 2010.47, 2010.48 and 2018-17, taking into account ISO/IEC JTC1/SC 2 refusal to encode some code points corresponding to extra symbols of ISO/IEC 9995,

ISO/IEC JTC 1/SC 35

- acknowledges the wish of Mr. Karl Pentzlin, the creator and rights holder of the fonts made for the 9995-7 amendments 1 and 2 and for 9995-10, that these be freely available for all uses and that they be downloadable from the public ISO/IEC JTC 1/SC 35 web site;
- requests Mr. Karl Pentzlin to document which licence (e.g. creative commons) is assigned to these fonts.
- Requests SC35 secretariat to take the necessary actions to this end no later 2019-03-15.
- kindly asks Mr. Karl Pentzlin to prepare a document showing correspondence of ISO/IEC 9995-7 and 9995-10 symbols with ISO/IEC 10646 characters and assigned PUA code points (PUA=Private Use Area), also showing glyphs used in the latter and symbols used in the former
- kindly asks ISO/CS to setup a publicly available download area for easy access to these resources.

Unanimously approved

WG 2

Resolution 2019-12: Extension of the timeframe for ISO/IEC 22607 "Information technology – User interface – Icons for setting interaction mode"

ISO/IEC JTC 1/SC 35:

- requests ISO/CS to delete the project
- requests ISO/CS to register a new PWI 11581-7 "Information technology – User interface icons – Part 7: Icons for setting interaction mode"

Unanimously approved

Resolution 2019-13: PWI 11581-7 "Information technology – User interface icons – Part 7: Icons for setting interaction mode"

ISO/IEC JTC 1/SC 35:

- requests the project leaders, Dr Denis Chêne and Mr Jaeil Song to prepare and send the revised WD based on the discussion during the meeting held in Dublin to SC 35 Secretariat with new Form 4 by 2019-03-15.
- requests the SC 35 Secretariat to launch NP ballot no later than 2019-03-25.

Unanimously approved

WG 4

Resolution 2019-10: Progress of Project 17549-1 "Information technology – User interface guidelines on menu navigation – Part 1: Framework"

ISO/IEC JTC 1/SC 35:

- Considering the significant nature of the work, requests ISO/CS to cancel the project
- Requests the project leaders, Dr Denis Chêne and Mr. Song Jaeil to prepare and send the revised

draft based on the discussion held at the Dublin meeting to the SC 35 Secretariat with new Form 4 no later than 2019-03-20.

- requests SC35 secretariat to launch the NP ballot and CD ballot in parallel no later than 2019-03-25

Unanimously approved

Resolution 2019-11: Progress of Project 17549-3 "Information technology – User interface guidelines on menu navigation – Part 3: Navigation with 1-direction devices"

ISO/IEC JTC 1/SC 35:

- considering the significant nature of the work, requests ISO/CS to cancel the project
- requests the project leaders, Dr. Denis Chêne and Mr. Song Jaeil to prepare and send the revised WD based on the discussion held at the Dublin meeting to SC 35 secretariat with new Form 4 no later than 2019-03-20.
- requests SC35 secretariat to launch the NP ballot no later than 2019-03-25

Unanimously approved

WG5

Resolution 2019-12: Progress of ISO/IEC 23773-1 User interface – Simultaneous Interpretation System – Part 1: Requirements and functional description

ISO/IEC JTC 1/SC 35:

- requests ISO/CS to renumber current ISO/IEC 23773-1 to ISO/IEC 22773-2
- Requests ISO/CS to register new part 1 as PWI ISO/IEC 23773-1 User interface – Simultaneous Interpretation System – Part 1: General
- requests Dr Miran Choi, the Project leader, to provide a CD draft on the new part 2 to the SC35 Secretariat no later than 2019-03-20 for the launch of the ballot
- requests SC 35 Secretariat to launch a 12 week CD ballot on new part 2 no later than 2019-03-25
- requests Dr Miran Choi, the Project leader, to provide an outline of Part 1 with Form 4 for NP ballot no later than 2019-03-20
- requests SC 35 Secretariat to launch a NP ballot on new part 1 no later than 2019-03-25

Unanimously approved

Resolution 2019-13: Progress of ISO/IEC 23773-2 User interface – Simultaneous Interpretation System – Part 2: System architecture

ISO/IEC JTC 1/SC 35:

- requests ISO/CS to renumber current ISO/IEC 23773-2 to ISO/IEC 22773-3
- requests Dr Miran Choi, the Project leader, to provide a Working Draft of new part 3 for circulation to the SC35 Secretariat no later than 2019-03-20
- requests SC 35 Secretariat to launch 12 week CD ballot on new part 3 no later than 2019-03-25

Unanimously approved

Resolution 2019-14: Progress of ISO/IEC 30112 Information technology – Specification methods for cultural convention

ISO/IEC JTC 1/SC 35:

- requests ISO/CS to register Mr Alain LaBonté as co-editor
- requests the co-project leaders, Mr Keld Simonsen and Mr Alain LaBonté, to send an updated draft to the Secretariat no later than 2019-05-24
- requests SC 35 secretariat to initiate DIS ballot no later than 2019-05-31

Unanimously approved

Resolution 2019-15: Progress of ISO/IEC 30150-1 Information technology – Affective computing user interface – Part 1: Model

ISO/IEC JTC 1/SC 35:

- requests ISO/CS to replace Ms Jing Wang, one of the current project leaders by Ms Yang XU
- requests the project leaders Mr Hongan WANG, Mr Pinpin ZHU and Ms Yang XU to send an updated draft and disposition of comments to SC35 Secretariat no later than 2019-02-22 for DIS ballot
- requests SC 35 secretariat to initiate DIS ballot no later than 2019-02-27

Unanimously approved

WG6

Resolution 2019-16: Free availability of ISO/IEC 29138-1 "Information technology – User interface accessibility – Part 1: User accessibility needs"

ISO/IEC JTC1/SC35

- recognizes that the original 2009 version of ISO/IEC 29138-1, was made freely available by ISO upon request of JTC 1;
- requests that JTC1 ensures that ISO/IEC 29138-1:2018 is freely available.

Unanimously approved

Resolution 2019-17: Cancellation of project 24786 "Information technology – User interfaces – Accessible user interface for accessibility settings"

Given the desire to renumber the revision to ISO/IEC 24786 to become ISO/IEC 20071-5 and the significant nature of this revision

ISO/IEC JTC1/SC35

- requests SC35 Secretariat to take the appropriate actions with the ISO Central Secretariat no later than 2019-03-04 to cancel the current project for the revision to ISO/IEC 24786 but not to cancel the current version of ISO/IEC 24786.

Unanimously approved

Resolution 2019-18: Instituting an NP Ballot for 20071-5 "Information technology – User interface accessibility – Part 5: Accessible user interface for accessibility settings on information devices"

ISO/IEC JTC1/SC35

- requests project leader Dr Yoshikazu Seki to prepare a new working draft of ISO/IEC20071-5 based on the immediate outcomes from the Dublin meeting of WG6 and to send it to the WG6 convenor along with an NP form for 20071-5 no later than 2019-03-08;
- requests the WG6 convenor to check these documents and forward them to the SC35 Secretary no later than 2019-03-11;
- requests the SC35 Secretariat to process them as a 12-week NP ballot no later than 2019-03-18 (so that the ballot results will be available for the July 2019 meeting of WG6).

Unanimously approved

Resolution 2019-19: Starting revision of ISO/IEC 20071-23 "Information technology – User interface component accessibility – Part 23: Visual presentation of audio information (including captions and subtitles)"

ISO/IEC JTC1/SC35

- requests WG6 experts to submit comments using the ISO template for changes/improvements/additions to the current ISO/IEC 20071-23 to Dr. David Fourney no later than 2019-05-31;
- requests Dr Fourney to solicit inputs from ITU-T Q26/16 regarding the possible revision to ISO/IEC 20071-23 at their 2019-03 and 2019-06 meetings;
- requests Dr. Fourney to send the collected comments and a tracked changes revised draft to the WG6 convenor no later than 2019-06-15 for posting as a WG6 document.

Unanimously approved

Resolution 2019-20: Progression of work on ISO/IEC 20071-11 "Information technology – User interface component accessibility – Part 11: Guidance for text alternatives for images"

ISO/IEC JTC1/SC35

- requests the Project Leader Dr. Jim Carter to send the disposition of comments on ISO/IEC CD 20071-11 and the text of ISO/IEC DIS 20071-11 to the SC35 Secretary no later than 2019-02-22;
- requests the SC35 Secretary to take the necessary actions to initiate the DIS ballot no later than 2019-02-25.

Unanimously approved

Resolution 2019-21: Starting revision of 20071-21 "Information technology – User interface component accessibility – Part 21: Guidance on audio descriptions"

ISO/IEC JTC1/SC35

- requests Dr. David Fourney to solicit inputs from ITU-T Q26/16 regarding the possible revision to ISO/IEC 20071-21 at their 2019-03 and 2019-06 meetings and to forward them to Dr. Pilar Orero as soon as possible;
- requests WG6 experts to submit comments using the ISO template for

changes/improvements/additions to ISO/IEC 20071-21 to Dr. Orero no later than 2019-05-31;

- requests Dr. Orero to send the WG6 convenor the collected comments document and a tracked changes revised draft no later than 2019-06-15 for posting as a WG6 document.

Unanimously approved

Resolution 2019-22: Consideration of a "Design-for-All" Part of ISO/IEC 30071 "Information technology – Development of user interface accessibility – Part 1: Code of practice for creating accessible ICT products and services"

ISO/IEC JTC1/SC35

- invites its Swedish Experts to prepare a presentation for the 2019-07 meeting of SC35/WG6 on how Design-for-All might be the basis of a future part of the ISO/IEC 30071 series.

Unanimously approved

Resolution 2019-23: Accessibility of Immersive Environment

ISO/IEC JTC1/SC35

- invites its experts to prepare presentations and/or demonstrations related to Immersive Environments for the 2019-07 meeting of SC35 and requests any expert who is preparing a presentation and/or demonstration to contact the SC35 chair and the SC35/WG6 convenor no later than 2019-06-15.

Unanimously approved

Resolution 2019-24: Sign languages for use in video content

ISO/IEC JTC1/SC35

- requests that Dr. David Fourney continue to develop material on the use of sign languages within the context of ISO/IEC 20071-2x;
- requests that Dr. Fourney explore opportunities with ITU-T Q26/16 for cooperation in the development of a standard that fits within this context;
- requests that Dr. Fourney develop a working draft for this project no later than 2019-11-30 and send it to the WG6 convenor for posting as a WG6 document.

Unanimously approved

Resolution 2019-25: Participation of experts with disabilities

Given the "IEC/ISO/ITU Policy on Standardization and accessibility" and the guidance in ISO/IEC Guide 71 Guide for addressing accessibility in standards,
ISO/IEC JTC1/SC35
- kindly requests ISO and IEC to implement the full participation of experts with disabilities in the international standardization process according to their policy and guidance
- kindly requests ISO/IEC JTC1 to report on the current status of this implementation at each of its plenary meetings

Unanimously approved

WG 9

Resolution 2019-26: Progress of project ISO/IEC 30113-12 "Information technology - Gesture-based interfaces across devices and methods - Part 12: Multi-point gestures for common system action"

ISO/IEC JTC 1/SC 35

- acknowledges the successful result of the DIS ballot on the project ISO/IEC 30113-12,
- requests the SC35 secretariat to take necessary actions to ensure that Dr. Denis Chene is
- registered as a co-project leader no later than 2019-03-01,
- requests the co-project leaders, Dr. Hyuk Jeong and Dr. Denis Chene, to send the disposition of comments as well as an updated draft incorporating the comments discussed at the Dublin meeting to the SC35 secretariat no later than 2019-03-31,
- acknowledging that significant technical content was added in response to comments on the
- first DIS, requests the SC35 Secretariat to launch the 2nd DIS ballot no later than 2019-04-05.

Unanimously approved

Resolution 2019-27: Progress of project ISO/IEC 30113-60 "Information technology - User interfaces – Gesture-based interfaces across devices and methods - Part 60: General guidance for screen readers"

ISO/IEC JTC 1/SC 35

- requests the SC35 secretariat to take necessary actions to ensure that Pr. Jee-In Kim is registered as a co-project leader no later than 2019-03-01,
- requests the co-project leaders, Mr. Jaeil Song and Pr. Jee-In Kim, to send the disposition of comments as well as an updated draft incorporating the comments discussed at the Dublin meeting to the SC35 secretariat no later than 2019-03-31,
- requests the SC35 Secretariat to launch the 2nd CD ballot no later than 2019-04-05.

Unanimously approved

Resolution 2019-28: Progress of project ISO/IEC 30113-61 "Information technology - User interfaces – Gesture-based interfaces across devices and methods - Part 61: Single-point gestures for screen readers"

ISO/IEC JTC 1/SC 35

- acknowledges the successful result of the CD ballot on the project ISO/IEC 30113-61,
- requests the SC35 secretariat to take the necessary actions to ensure that 30113-61 is registered as a WG9 project no later than 2019-03-01,
- requests the SC35 secretariat to take the necessary actions to ensure that Dr Hyuk Jeong is registered as a co-project leader no later than 2019-03-01,
- requests the co-project leaders, Mr. Jaeil Song and Dr Hyuk Jeong, to send the dispositions of comments as well as an updated text incorporating the comments discussed at the Dublin meeting to the SC35 secretariat no later than 2019-03-31,
- requests the SC35 Secretariat to launch a DIS ballot no later than 2019-04-05.

Unanimously approved

Resolution 2019-29: ISO/IEC JTC1/SC 35 next meetings

ISO/IEC JTC 1/SC 35 resolves to hold its future meetings as follows:

Date	Type	Location
2019-07-29/08-02	SC 35 and Working groups	Shanghai, China
2020-01-13/17	SC 35 and Working groups	Busan, Korea (Republic of)
2020-Q3 (July or August)	SC 35 and Working groups	Europe (TBD)
2021-Q1(January or February)	SC 35 and Working groups	London, UK (proposed)

Unanimously approved

Appreciation to the hosts:
ISO/IEC JTC 1/SC 35 warmly thanks the Irish hosts from NSAI for their hosting and their local arrangements, in particular Ms Elizabeth O'Ferrall and Ms Sharon Nevin.

Appreciation to the Convenors:
ISO/IEC JTC 1/SC 35 thanks Mr. Alain LaBonté (WG 1), Dr. Yoshikazu Yamamoto (WG 2 and WG 4), Mr. Thibault Grouas (WG 5), Pr. Jim Carter (WG 6 and WG 7) and Pr. Jee-in Kim (WG 9) for their kind and excellent conduct of the meeting.

Appreciation to SC35 officers:
ISO/IEC JTC 1/SC 35 thanks the Chair Dr Khalid Choukri, and the Secretary Ms Mélissa Jean for their kind and excellent conduct and the effective management of the meeting.

All appreciations adopted unanimously with applause