ISO/IEC JTC 1/SC 35

User Interfaces

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<p style="text-align:center">ISO/IEC JTC1/SC35 GOM RESOLUTIONS
Paris, 23rd February 2007</p>

<u>Were present the following National bodies:</u>

Canada
France
Germany
Japan
Korea (Republic of)
Sweden (participated but absent at the GOM plenary)
United States of America

<u>RESOLUTION 1</u>

<u>Progress of project ISO/IEC 24757 titled "Keyboard Interaction model — Machine-readable keyboard description" and initiating the second FCD ballot (WG1)</u>

SC 35 requests the editor of ISO/IEC 24757, Mr. Alain LaBonté, to send a draft of second FCD 24757 to WG1 experts on or around February 28, for comments to be provided by WG1 experts before March 9. SC35 then requests its Secretariat to send the resulting document (SC35 N1143), taking into account expert comments, for second FCD ballot – the results of which should be available before July 17 –, alongside with the Disposition of comments on the first FCD ballot (document SC35 N 1144) in taking special care that the editing problems that happened for the first FCD ballot be minimized. The two documents (French and English) should be sent simultaneously as separate documents, and no attempt should be made by the Secretariat to merge the two documents into one.

Note: To be on time for July 17, the latest date for initiating the 4-month FCD ballot is the 17th of March 2007 (2007-03-17).

Adopted by consensus (US abstains).

RESOLUTION 2

Progress of project ISO/IEC TR 24784 titled "Description of ISO/IEC 9995 issues regarding users needs and necessary innovations " (WG1)

SC 35 requests the SC35 Secretariat to forward document SC35 N 1140 to JTC1 Secretariat for DTR ballot, alongside with its Disposition of comments (SC35 N 1139). The results of the DTR ballot should be available for the next SC35/WG1 meeting. To avoid undue delays at the JTC1 level, this should be done by SC35 Secretariat before 17th of March 2007 (2007-03-17).

Adopted by consensus (US abstains).

RESOLUTION 3

NP for TR titled "Framework for text entry based on a 3x3 matrix layout" (WG1)

SC 35 requests its Secretariat to send document SC35 N1145 for a 4-month NP ballot, alongside with accompanying documents N1146 (Powerpoint file) and N1147 (Powerpoint equivalent in PDF format). The Korean National Body is asked to send a table of content to the Secretariat with a copy to Pr. Yamamoto fo comments before March 16 for the ballot to accompany the NP.

Adopted by consensus (US abstains).

RESOLUTION 4

Creation of OWG-MIR(Study group on Management of Icon Registration) (WG2)

SC35 accepts the recommendation of WG2 to set up a study group for researching management of icon registration (OWG-MIR: Study Group on management of icon registration). Dr. Yamamoto is appointed as convenor of this study group. Following JTC1 Directives, this OWG will have to report at Plenaries and be either disbanded or reinstated for a new term with a clear objective at each plenary until it reaches its conclusions.

Adopted by consensus (Germany and US abstain).

RESOLUTION 5

Potential acceptance of project on "Touch user interface" (WG2)

JTC1/SC35 notes that JTC1/SC36 has received several proposals for NP on "Touch User Interface" standards development, first in documents 36N1319, 36N1320 and 36N1321 (summer of 2006) and now 36N1452 (dated 2007-02-07). In P-member response to the summer 2006 proposals (e.g. 36N1361), it was recommended that this proposed NP be forwarded to JTC1/SC35, noting that SC35 is responsible for icon standardization.

SC35 also notes that no supporting documentation as to the exact nature of the project has been provided nor have references been made to existing standards.

SC35 requests SC36, i.e. those proposing the project, to provide such documentation, so that it can determine which of its existing standards and standards development may be of assistance. Should a specified gap be identified, SC35 is willing to host such a project in cooperation with SC36."

Adopted by consensus (US and Germany abstain).

RESOLUTION 6

ISO/IEC 14754:1999 revision (WG4)

SC35 requests the convenor of WG4, Mr. Nakao, to investigate the need for revising ISO/IEC 14754:1999 (Pen-Based Interfaces, Common gesture for Text Editing with Pen-based Systems) by the end of August and report on this subject at the next WG4 meeting.

Adopted by consensus (US and Germany abstain).

RESOLUTION 7

Creation of OWG-NUIM – Study group on New User Interfaces for Mobile devices (WG4)

SC35 accepts the recommendation of WG4 to set up a study group for researching new types of user interfaces (OWG-NUIM: Study Group on New User Interfaces for Mobile devices) for mobile devices that are interacting by four directional keys and menu GUI representation including the operation that draws the circular arc like the latest mobile mp3 players. Mr. Matsubara is appointed as convenor of this study group. Following JTC1 Directives, this OWG will have to report at Plenaries and be either disbanded or reinstated for a new term with a clear objective at each plenary until it reaches its conclusions.

Adopted by consensus (US and Germany abstain).

RESOLUTION 8

ISO/IEC DTR 24785 Taxonomy of CLAUR (WG5)

SC35 requests the editor of ISO/IEC 24785 to send to the members of WG5 a new version of the DTR for comments , before the 5th of March 2007 (2007-03-05), out of which the editor will produce a final text (SC35 N 1142) for DTR ballot to be initiated

immediately. The results of this ballot should be available for the next SC35/WG5 meeting.

SC 35 requests the SC35 Secretariat to forward document SC35 N 1142 to JTC1 Secretariat for DTR ballot, the results of which should be available for the next SC35/WG5 meeting. To avoid undue delays at the JTC1 level, this should be done by SC35 Secretariat before 17th of March 2007 (2007-03-17).

Adopted by consensus (US abstains).

RESOLUTION 9

Collection of national keyboard layouts (WG5)

SC35 requests its experts to send examples of national keyboards, whether they are standardized or not, but indicating when it corresponds to a national standard, to Mr. Keld Simonsen, to continue the preparation of a collection of keyboard layouts for the internal use of WG5, before the next WG5 meeting. The examples may be pictures, drawings or text descriptions of the keys.

Adopted by consensus (US abstains).

RESOLUTION 10

Reminder: Compendium of SC35 standards definitions (all WGs)

SC35 reminds project editors that have not made an inventory of the definitions of all their standards that they still have an opportunity to send them to Alain LaBonté so that they be forwarded to the JTC1/SWG on Vocabulary for inclusion in the Termium database maintained by the Translation Bureau of Canada for JTC1.

Adopted unanimously.

RESOLUTION 11

Maintenance of ISO/IEC 15897 (WG5)

Given that ISO/IEC 15897:1999 (Registry of Cultural elements) maintenance has been transferred to SC35, and that this standard is more than 5 years old, SC35 decides to revise this IS and instructs its editor, Keld Simonsen, to initiate an email discussion on the draft already distributed (SC35 N 1134) before the next SC35/WG5 meeting for presentation at this meeting. The intention is to send an updated document for FCD ballot after the next SC35 Plenary, colocated with this WG5 meeting.

Adopted by consensus (US and Germany abstain).

RESOLUTION 12

Provisional acceptance of transfer of ISO/IEC TR 14652 maintenance to SC35 (WG5)

Given that ISO/IEC 15897 (Registry of Cultural elements) maintenance has been transfered to SC35, that this standard uses ISO/IEC TR 14652 as one of the description formats for its registrations, and in relation to a request to SC22 from Canada for a ballot to transfer ISO/IEC 14652 to SC35, SC35 provisionally accepts to host the maintenance of this International Standard, conditionally to the adoption of a resolution by SC22. SC35/WG1 and WG5 already entertain activities related to other formats suitable for the registry, in particular a format for describing keyboard layouts, and SC35 would like to enhance ISO/IEC TR 14652 to that effect.

Adopted by consensus (US abstains).

RESOLUTION 13

FDIS 24756 titled "Information technology – Framework for specifying a common access profile (CAP) of needs and capabilities of users, systems, and their environments" (WG6)

SC35 acknowledges the FCD ballot results on ISO/IEC 24756 "Information technology – Framework for specifying a common access profile (CAP) of needs and capabilities of users, systems, and their environments", accepts the comments made and kindly requests its editor to send the document he prepared for FDIS ballot.

Adopted by consensus (Germany abstains).

RESOLUTION 14

New work item titled "Accessibility functions for personal computers" (WG6)

SC35 gratefully acknowledges the work and presentation made by the Japanese National Body on a new work item proposal titled "Information Technology – User Interfaces – Accessibility functions for Personal Computers".

SC35 kindly invites the Japanese National Body to prepare the document for voting on a new work item proposal, considering the comments given at the meeting, and to send the document to the Secretariat for an immediate 4-month NP ballot.

Adopted by consensus (Germany abstains).

RESOLUTION 15

CD on "Accessibility Setting" (ISO/IEC 24786) (WG6)

SC35 gratefully acknowledges the work and presentation made by the Japanese National body on ISO/IEC WD 24786 "Information Technology - User Interfaces - Accessible User Interface for Accessibility Setting on Information Devices", encourages members to send comments to the editor before 15 March 2007 and kindly requests the editor to send an adapted document to the Secretariat before 1 April 2007 for CD ballot.

Adopted by consensus (Germany abstains).

RESOLUTION 16

NP for TR titled " ISO/IEC 11581 Information Technology — User Interface Icons — Part 1: Introduction to and overview of icon standards " (WG7)

SC 35 requests its Secretariat to send document SC35 N1152 New Work Item Proposal for a TR titled "ISO/IEC 11581 Information Technology — User Interface Icons — Part 1: Introduction to and overview of icon standards" for a 4-month NP ballot, alongside with the accompanying document N1153 "ISO/IEC 11581-1 WD Information Technology — User Interface Icons — Part 1: Introduction to and overview of icon standards".

Adopted by consensus (Germany abstains).

RESOLUTION 17

NP for IS titled " ISO/IEC 11581 Information Technology — User Interface Icons — Part 10: Framework and general guidance " (WG7)

SC 35 requests its Secretariat to send document SC35 N1154 New Work Item Proposal for an IS titled "ISO/IEC 11581 Information Technology — User Interface Icons — Part 10: Framework and general guidance" for a 4-month NP ballot, alongside with the accompanying document N1155 "ISO/IEC 11581-10 WD Information Technology — User Interface Icons — Part 10: Framework and general guidance".

Adopted by consensus (Germany abstains).

RESOLUTION 18

Progressing ISO/IEC 24752 on Universal Remote Console (WG8)

SC35 requests the editor of ISO/IEC 24752 to send the prepared FDIS documents (SC35N1106 to 1110), alongside with the disposition of comments (SC35N1101to 1105) on FCD ballot, and the pertaining Referencing Explanatory Reports (RERs) (SC35N1125 to 1133), to the SC35 Secretariat before the end of February 2007. The SC35 Secretary is requested to register these drafts as FDIS, and to forward them to ITTF for a 2-month FDIS ballot before publication.

Adopted by consensus (Germany abstains).

RESOLUTION 19

JTC1 SWG-A User Needs Summary (WG5 and OWG-UIA)

SC 35 congratulates JTC1 SWG-Accessibility on its publication of JTC 1 SWG-A N 212 User Needs Summary Version 1.0. SC35 recognizes that this User Needs Summary is very useful and very comprehensive. SC35 also recognizes, as JTC1 SWG-Accessibility recognized, the need to continue to update this summary as new user needs are identified (as stated in SWG-A Brussels Resolution 14: Establishment of Ad Hoc 10 on User Needs Document Maintenance).

Upon thorough examination of the User Needs Summary, SC35 is pleased that it includes the recognition of language disabilities. There are some things missing however where disability and language intersect and people with access barriers need accommodation. SC35 would like to recommend the following additions to JTC1 SWG-Accessibility, for incorporation in its next version of the User needs Summary:

Proposed Location: *6 Be able to invoke and carry out all actions including maintenance and setup*, insert new subcategory: People with Cognitive, Language & Learning Disabilities
User Problem: may not be able to input text in their native language from the default or alternate input device (due to physical keyboard limitations)
User Needs: ability to create input in their native language from a default or alternate input device

Proposed Location: *13 Understand how to use product (including discovery and activation of any access features needed)*, under subcategory: *People with Cognitive, Language, & Learning Disabilities*
User Problem: may not be able to read labels, signs, manuals due to language limitations
User Needs: information presented in language they can understand

Proposed Location: 14 Understand the output or displayed material (even after they perceive it accurately), under subcategory: *People with Cognitive, Language, & Learning Disabilities*
User Problem: may not be able to read labels, signs, manuals due to language limitations
User Needs: information presented in language they can understand

Proposed Location: 14 Understand the output or displayed material (even after they perceive it accurately), under subcategory: *People with Cognitive, Language, & Learning Disabilities*
User Problem: may not understand the figures of speech, common expressions, metaphors
User Needs: information presented using figures of speech, idioms, metaphors, is also presented in a way that does not require understanding of the figures of speech, idioms, metaphors

Proposed Location: 14 Understand the output or displayed material (even after they perceive it accurately), under subcategory: *People with Cognitive, Language, & Learning Disabilities*
User Problem: may not understand or may misinterpret the use of colors and symbols

User Needs: information to be available regarding the meaning associated with colors and symbols

Adopted by consensus (Germany abstains).

RESOLUTION 20

JTC1 SWG-A User Needs Summary (OWG-UIA)

SC 35 congratulates JTC1 SWG-Accessibility on its development of JTC 1 SWG-A N 230 Guidance for User Needs Mapping. We believe that it provides a useful tool for applying the User Needs Summary and we intend to utilize it during the development of accessibility related standards within SC35.

Adopted by consensus (Germany abstains).

RESOLUTION 21

Request JTC1 for Free availability of ISO/IEC SC35 standards on the Web

Given the JTC1 2006 Plenary resolutions 3 and 12a that say:

Resolution 3 – Approved Criteria for Free Availability of JTC 1 Standards
JTC 1 instructs its Secretariat to redistribute the Approved Criteria for Free Availability of JTC 1 Standards (JTC 1 N 7604) to its National Bodies and Subcommittees in order to remind them of what ISO Council and IEC Council Board have agreed. SCs are further reminded that when submitting requests against the criteria, it is mandatory that such requests include rationale including which specific element in the criteria each request meets for free availability.

Resolution 12A – Rationale for Release of Standards That Fall Under the ISO and IEC Criteria for No Cost Availability
JTC 1 instructs SC 7 and **SC 35** to provide more detailed rationale as per resolution 3 above as to how the standards below meet the approved criteria for free availability prior to resubmitting any such request to JTC 1:
• ISO/IEC 25000: Guide to SQuaRE
• ISO/IEC 14755: Input methods to enter characters from the repertoire of ISO/IEC 10646 with a keyboard or other input devices
• ISO/IEC 9995 Parts 1-8 - Keyboard layouts for text and office systems
• ISO/IEC TR 19764 -Guidelines, methodology, and reference criteria for cultural and linguistic adaptability in information technology products
• ISO/IEC TR 15440 - Future keyboards and other associated input devices and related entry methods**";**

SC35 requests its Secretariat to ask JTC1 Secretariat to hold a letter ballot requesting that the following documents be freely available on the web, with the related rationale:

- ISO/IEC 9995-1 (General principles governing keyboard layouts on the ground that it respects criteria 7 of JTC1 N 7604, as it is a pure introductory part of the whole ISO/IEC 9995 series of standards.
- ISO/IEC TR 15440 (Future keyboards and other associated input devices and related entry methods) on the ground that it respects criteria 6, as it contains no directly implementable specifications, and is intended for future standards development

- ISO/IEC TR 19764 (Guidelines, methodology, and reference criteria for cultural and linguistic adaptability in information technology products) on the ground that it respects criteria 6, as it contains no directly implementable specification and is intended either to standards developers or to users to be able to evaluate if a product respects cultural and linguistic adaptability. It also respects criteria 8 as it may require the use of some ISO/IEC standards to get a better evaluation, hence contributing to enhance JTC1 awareness and influence.
- ISO/IEC 14755 (Input methods to enter characters from the repertoire of ISO/IEC 10646 with a keyboard or other input devices) on the ground that it respects criteria 1 as it is basically a standard whose implementation uses mere pointers to ISO/IEC 10646, which is already available for free on the web for the reason that the latter refers to the Unicode industry standard and Unicode consortium pratices which deal with many more requirements, including input methods. The risk not to put this standard free on the web is that it will be ignored, and outside-world practices very similar to the specs, not to say identical, be prefered, because they are available for free already, although this ISO/IEC standard precedes them. The increased reference to this standard would certainly enhance awareness and influence of JTC1 without affecting ISO/IEC revenues significantly.
- ISO/IEC 9995 (Keyboard layouts for text and office systems [parts 2 to 7]), on the ground that they respect criteria 6, as they are basic models which can not be implemented directly without other national standard guidance and profiling. This series of standards is therefore used to guide standards development. Furthermore part 7 (Symbols to represent functions) is a very small subset of ISO 7000 and IEC 60417 series, which contain a lot more symbols, and these references alone, given as ISO/IEC 9995-7 normative references, makes the buying of these base standards more likely if part 7 is freely available.
- ISO/IEC 9995-8 (Allocation of letters to the keys of a numeric keypad), on the ground that it respects criteria 1, as its specifications are nowadays merely a documentation of what is already in the public domain on products like portable telephones and it is doubted that nowadays this standard will be sold much by ISO/IEC. The selling of this standard was of age 12 years ago, not now, although it remains an important historical reference. Its free availability enhances JTC1 awareness in making known the origin of a standard that is widely accepted and known, although its origin itself (JTC1) is not widely known.

Adopted by consensus (Germany and US abstain).

RESOLUTION 23

Next meetings

SC 35 next meetings are scheduled as follows :

2007-08-20	Plenary	Canada (Québec or Saskatoon) (tentative date and venues)
2008-02-18	GOM	Fukuoka (tentative date, or Feb. 25 if premises unavailable)
2008-08|09-??	Plenary	(Barcelona, tentative, pending agreement with AENOR)

2009-02-??   GOM   (undetermined venue, outside Europe,
                                possibly new member bodies)

Note: GOM stands for General Orientation Meeting.

Adopted unanimously.

RESOLUTION 24

Appreciation to the chairman and convenors

ISO/IEC JTC 1/SC 35 thanks for their kind and excellent conduct Dr. Yves Neuville for
having chaired the Plenary and WG5, Mr. Alain LaBonté for convening WG1, Dr. Yoshikazu
Yamamoto for convening WG 2, Mr. Yoshihide Nakao for convening WG4, Mr. Gunnar
Fagerberg for convening WG6, Dr. Jim Carter for convening WG7 and OWG-UIA, and Dr.
Gottfried Zimmermann for acting as convenor for WG8 and assisting Dr. Carter for
convening OWG-UIA.

Adopted unanimously with applause.

RESOLUTION 25

Appreciation to the drafting committee

ISO/IEC JTC 1/SC 35 thanks Dr. Jim Carter, Mr. Gunnar Fagerberg, Mr. Alain LaBonté,
Mr. Yoshihide Nakao, Dr. Yoshikazu Yamamoto and Dr. Gottfried Zimmermann for their
excellent and fruitful work in the drafting committee.

Adopted unanimously with applause.

RESOLUTION 26

Appreciation to our previous Secretary

ISO/IEC JTC 1/SC 35 thanks Ms. Nathalie Cappel-Souquet for her nice and excellent
conduct of SC35 business in the last three and a half years and wishes her the best in her
new functions at AFNOR.

Adopted unanimously with applause.

RESOLUTION 27

Appreciation to the AFNOR Secretariat

ISO/IEC JTC 1/SC 35 welcomes and thanks Mr. Philippe Magnabosco and his assistant Ms. Alexandra Hamon for their fruitful work to conduct their new duties holding the SC35 Secretariat and also for the organisation of the meeting and the outstanding hospitality offered to national bodies experts at AFNOR headquarter.

Adopted unanimously with applause.

❦ ❦ ❦ ❦ ❦ ❦ *End of resolutions* ❦ ❦ ❦ ❦ ❦ ❦

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