

**ISO/IEC JTC 1/SC 35 N 1600**

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**ISO/IEC JTC 1/SC 35**  
**User Interfaces**  
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# ISO/IEC JTC1/SC 35 PLENARY RESOLUTIONS

## Venice, 2010-08-27

### Resolutions

#### *Attendance*

The following National bodies were present:

- Canada — P member
- China — P member
- Denmark — P member
- France — P member
- Germany — P member
- Italy — P member
- Japan — P member
- Korea (Republic of) — P member
- Sweden — P member
- United States of America — P member

#### *Resolutions text*

#### **Resolution 2010.41: 9995-7 "Information technology — Keyboard layouts for text and office systems — Part 7: Symbols used to represent functions" (WG1)**

Acknowledging the unanimous result of the FPDAM ballot on 9995-7 AMD 1, ISO/IEC JTC 1/SC 35 resolves to send document N 1575 for FDAM ballot after TC 145/SC 3 has registered the symbols proposed by ISO/IEC JTC 1/SC 35 (N 1577) and officially submitted by the Secretariat. The Secretariat should then send this document for FDAM ballot processing.

➤ *Adopted by consensus (US abstains)*

#### **Resolution 2010.42: 9995-9 "Information technology — Keyboard layouts for text and office systems — Part 9: Multilingual-usage, multiscrypt keyboard group layouts" (WG1)**

ISO/IEC JTC 1/SC 35 requests its secretariat to ask for a target dates extension on that project as follows: CD registration after February 2011 meeting, DIS ballot 2011-08, and FDIS 2012-08.

➤ *Adopted by consensus (US abstains)*

#### **Resolution 2010.43: Progress of draft 9995-10 "Information technology — Keyboard layouts for text and office systems — Part 10: Conventional symbols and methods to represent graphic characters not uniquely recognizable by their glyph on a keyboard and in documentation" (WG1)**

ISO/IEC JTC 1/SC 35 resolves to send document N 1576 for FCD ballot.

➤ *Adopted by consensus (US abstains)*

**Resolution 2010.44: Revision of TR 15440 "Information technology — Future keyboards and other associated input devices and related entry methods" (WG1)**

ISO/IEC JTC 1/SC 35 requests Dr. Yves Neuville and Mr. Keld Simonsen to come forward with a new draft including elements from Resolution 2010.6 and send it to WG1 list for comments. ISO/IEC JTC 1/SC 35 also kindly asks Chinese, Japanese and Korean experts to provide information on their input methods. Other experts are also welcome to contribute on input methods, see Resolution 2010.6.

➤ *Adopted by consensus (US abstains)*

**Resolution 2010.45: German requests for amendment of 9995-2 "Information technology — Keyboard layouts for text and office systems — Part 2: Alphanumeric section on virtual numeric keypad on portable computers" (WG1)**

ISO/IEC JTC 1/SC 35 accepts in principle the request by DIN to amend 9995-2 to cater for virtual numeric keypad on portable computers, taking advantage of DIN 2137-12 as a starting point. ISO/IEC JTC 1/SC 35 asks Mr Alain LaBonté, Editor of 9995-2, to send a Working draft and New work item proposal on behalf of ISO/IEC JTC 1/SC 35 to the Secretariat by 2010-10-31 for NP ballot (See also Doc N 1580).

➤ *Adopted by consensus (US abstains)*

**Resolution 2010.46: Contribution for ISO/IEC 10646 "Information technology — Universal multiple-octet coded character set (UCS)" (WG1)**

ISO/IEC JTC 1/SC 35 resolves to send document N 1579 (liaison contribution from ISO/IEC JTC 1/SC 35) to SC2/WG2 for inclusion of new 9995-7 symbols as coded characters in 10646, as well as requests to have new annotations for existing characters to disambiguate the use of some unified characters.

➤ *Adopted by consensus (US abstains)*

**Resolution 2010.47: ISO/IEC 10646 and 9995-7 correspondence (WG1)**

ISO/IEC JTC 1/SC 35 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, showing also glyphs used in the latter and symbols used in the former. The intent is to amend these standards to have this information as public documents and then to amend these standards to put information in normative annexes.

➤ *Adopted by consensus (US abstains)*

**Resolution 2010.48: Fonts in the public domain (WG1)**

ISO/IEC JTC 1/SC 35 acknowledges the wish of Mr. Karl Pentzlin, the creator of the fonts made for the 9995-7 amendment 1 and 9995-10, that these be freely available for use and that they be downloadable from the public ISO/IEC JTC 1/SC 35 web site.

➤ *Adopted by consensus*

**Resolution 2010.49: Korean NP on common gestures for navigation (WG1)**

ISO/IEC JTC 1/SC 35 thanks Dr Jeong and the Korean National Body for their presentation (N 1564) on the subject.

ISO/IEC JTC 1/SC 35 further requests its Secretariat to send document N 1578 for NP ballot on navigation gestures common between mice, touch pads, touch screens, tablets and similar devices. ISO/IEC JTC 1/SC 35 also kindly invites in the meanwhile the Japanese national body to cooperate with the Korean national body to prepare the first draft, minimizing inconsistencies with ISO/IEC 14754, and considering eye-tracking and other input methods.

➤ *Adopted by consensus (US abstains)*

**Resolution 2010.50: Setting up a Validation Team for the icons register based on ISO/IEC 11581-40 User interface icons — Part 40: Management of icon registration (WG2 and WG7)**

ISO/IEC JTC 1/ISO/IEC JTC 1/SC 35 asks its secretariat to ask National bodies for nomination of Validation Team members for ISO/IEC 11581-40 "Information Technology — User interface icons — Part 40: Management of icon registration" immediately after its FDIS 11581-40 will be approved.

➤ *Adopted by consensus*

**Resolution 2010.51: Identifying a host for the ISO/IEC 11581 icon database (WG2 and WG7)**

ISO/IEC JTC 1/SC 35 asks the ISO/IEC JTC 1/SC 35 Secretariat to use DTR 11581-41 (which contains data requirements for the ISO/IEC 11581 icon database) to find an acceptable host for the ISO/IEC 11581 icon database.

➤ *Adopted by consensus*

**Resolution 2010.52: TR 20007 "Information technology — User interfaces — Definitions and relationship among symbols, icons, animated icons, pictograms, characters and glyphs" (WG5 and WG1)**

ISO/IEC JTC 1/SC 35 requests its secretariat to send document N1581 to SC2/WG2, TC145/SC3 and IEC TC3/SC3C for information and possible contributions. Clause numbers should be added to the draft.

➤ *Adopted by consensus (US abstains)*

**Resolution 2010.53: Progression and title change of project on "Universally available personal computing environment" (WG5)**

ISO/IEC JTC 1/SC 35 acknowledges the positive result of NP ballot on Universally available personal computing environment and approves the disposition of comments N 1583. ISO/IEC JTC 1/SC 35 further resolves to change the title to "Worldwide available personal computing environment".

➤ *Adopted by consensus (US and Germany abstain)*

**Resolution 2010.54: Appointment of an editor and co-editor of the new project on "Worldwide available personal computing environment" (WG5)**

ISO/IEC JTC 1/SC 35 appoints Mr Keld Simonsen as Editor, and Dr Yves Neuville as co-Editor to the project titled "Worldwide available personal computing environment".

- *Adopted by consensus (US abstains)*

**Resolution 2010.55: Thanks to Dr. Jim Carter for acting as editor for ISO/IEC 13066-6 "Information Technology — User interfaces — Interoperability with assistive technology — Part 6: JAVA accessibility API" and appointment of a new Editor (WG6)**

ISO/IEC JTC 1/SC 35 thanks Dr. Jim Carter for acting as editor of ISO/IEC 13066-6 and accepts his resignation from this position. ISO/IEC JTC 1/SC 35 appoints Mr. Peter Korn as editor of ISO/IEC 13066-6.

- *Adopted by consensus*

**Resolution 2010.56: Appointment of co-editor of ISO/IEC 13066-3 "Information Technology — User Interfaces — Interoperability with assistive technology — Part 3 IAaccessible2 accessibility API" (WG6)**

ISO/IEC JTC 1/SC 35 appoints Mr. Brian Cragun as co-editor of ISO/IEC 13066-3.

- *Adopted by consensus*

**Resolution 2010.57: Processing of FCD 29136 "Information technology — User interfaces — Accessibility of personal computer hardware" to ballot (WG6)**

ISO/IEC JTC 1/SC 35 asks the ISO/IEC JTC 1/SC 35 Secretariat to publish FCD 29136 (N 1584) along with the resolution of comments on the 2<sup>nd</sup> CD (N 1585) and to immediately initiate an FCD ballot.

- *Adopted by consensus*

**Resolution 2010.58: Preliminary work on Accessibility and convergence of ICT devices (WG6)**

ISO/IEC JTC 1/SC 35 invites the French national body to prepare a contribution on Accessibility and convergence of ICT devices. It is expected that this report will consider major existing ISO and ISO/IEC accessibility standards (especially ISO 9241-20, 9241-171, ISO/IEC 13066-1, ISO/IEC 24786, and ISO/IEC 29136). It is hoped that this contribution will be circulated in time for discussion at the February 2011 WG6 meeting.

- *Adopted by consensus*

**Resolution 2010.59: Processing of FDIS 13066-1 "Information Technology — User Interfaces — Interoperability with assistive technology — Part 1: Requirements and recommendations for interoperability" (WG6)**

ISO/IEC JTC 1/SC 35 asks the ISO/IEC JTC 1/SC 35 Secretariat to send the copy of FDIS 13066-1 (N 1586) along with the resolution of comments on the FCD (N 1587) to ITTF for FDIS ballot processing.

- *Adopted by consensus*

**Resolution 2010.60: Progress of ISO/IEC 13066-2 "Information Technology — User Interfaces — Interoperability with assistive technology — Part 2: Windows Automation Framework accessibility API" (WG6)**

ISO/IEC JTC 1/SC 35 asks the editor of ISO/IEC 13066-2 to create an additional clause on "Programmatic modifications of states, properties, values and text" as agreed upon by WG6 as soon as possible, to send it to editors of the various parts of ISO/IEC 13066 and Dr Jim Carter, Convener of WG6, for review. When agreement is reached, the Editor is asked to forward it to ISO/IEC JTC 1/SC 35 Secretariat for PDTR processing.

➤ *Adopted by consensus*

**Resolution 2010.61: Balloting of PDTR 13066-2 "Information Technology — User Interfaces — Interoperability with assistive technology — Part 2: Windows Automation Framework accessibility API" (WG6)**

ISO/IEC JTC 1/SC 35 asks the ISO/IEC JTC 1/SC 35 Secretariat to send the copy of PDTR 13066-2 to be sent by the Editor in accordance with Resolution 2010.60 for immediate PDTR ballot.

➤ *Adopted by consensus*

**Resolution 2010.62: Progress of ISO/IEC 13066-3 "Information Technology — User Interfaces — Interoperability with assistive technology — Part 3: IAccessible2 accessibility API" (WG6)**

ISO/IEC JTC 1/SC 35 requests the editor of ISO/IEC 13066-3 to create an additional clause on "Programmatic modifications of states, properties, values and text" as agreed upon by WG6 as soon as possible, to send it to editors of the various parts of ISO/IEC 13066 and Dr Jim Carter, Convener of WG6, for review. When agreement is reached, the Editor is asked to forward it to ISO/IEC JTC 1/SC 35 Secretariat for PDTR processing.

➤ *Adopted by consensus*

**Resolution 2010.63: Balloting of PDTR 13066-3 "Information Technology — User Interfaces — Interoperability with assistive technology — Part 3: IAccessible2 accessibility API" (WG6)**

ISO/IEC JTC 1/SC 35 asks the ISO/IEC JTC 1/SC 35 Secretariat to send the copy of PDTR 13066-3 to be sent by the Editor in accordance with Resolution 2010.62 for immediate PDTR ballot.

➤ *Adopted by consensus*

**Resolution 2010.64: Progressing of ISO/IEC 13066-4 "Information Technology — User interfaces — Interoperability with assistive technology — Part 4: Linux / UNIX graphical environments accessibility API" (WG6)**

ISO/IEC JTC 1/SC 35 asks the editor of ISO/IEC 13066-4 to complete the working draft by November 30, 2010 and send it to the ISO/IEC JTC 1/SC 35 Secretariat for posting as N-numbered document. WG6 experts are asked to get comments to the editor by January 10, 2011. The editor is then asked to produce a new draft taking into account any comments received and to send it to the ISO/IEC JTC 1/SC 35 Secretariat for posting as N-numbered document by January 31, 2011 for consideration at the February 2011 WG6 meeting. It is hoped that this draft will be sufficiently mature to be sent out for PDTR immediately after that meeting.

➤ *Adopted by consensus*

**Resolution 2010.65:            Progressing of ISO/IEC 13066-6 "Information Technology — User interfaces — Interoperability with assistive technology — Part 6: JAVA accessibility API" (WG6)**

ISO/IEC JTC 1/SC 35 requests the editor of ISO/IEC 13066-6 to complete the working draft by November 30, 2010 and send it to the ISO/IEC JTC 1/SC 35 Secretariat for posting as N-numbered document. WG6 experts are asked to get comments to the editor by January 10, 2011. The editor is then asked to produce a new draft taking into account any comments received and to send it to the ISO/IEC JTC 1/SC 35 Secretariat for posting as N-numbered document by January 31, 2011 for consideration at the February 2011 WG6 meeting. It is hoped that this draft will be sufficiently mature to be sent out for PDTR immediately after that meeting.

➤ *Adopted by consensus*

**Resolution 2010.66:            Development of a multi-part standard on "User interface component accessibility" (WG6)**

ISO/IEC JTC 1/SC 35 invites the Canadian National Body to submit a NP for a multi-part standard on "User interface component accessibility". It further invites the Canadian National Body to submit its working draft on guidance on alternative text as the basis for a TR within this multi-part standard. If the NP is accepted, ISO/IEC JTC 1/SC 35 requests its Secretariat to secure a number that clearly suggests a relationship to ISO Guide 71 on accessibility.

➤ *Adopted by consensus (US, Germany and Denmark abstain)*

**Resolution 2010.67:            Balloting of DTR 11581-41 titled "Information Technology — User Interface Icons — Part 41: Data structure to be used by the ISO/IEC JTC1/ISO/IEC JTC 1/SC 35 Icon Database" (WG2 and WG7)**

ISO/IEC JTC 1/SC 35 asks the Secretariat to send DTR 11581-41 (N 1588) along with the resolution of comments on the PDTR (N 1589) to the JTC 1 Secretariat for DTR ballot processing.

➤ *Adopted by consensus (Germany abstains)*

**Resolution 2010.68:            Development of a new part of ISO/IEC 24752 (WG8)**

ISO/IEC JTC 1/ISO/IEC JTC 1/SC 35 invites the US National body to submit an NP on 24752-6, "Information technology — Universal Remote Console — Part 6: Web service integration", accompanied by a working draft. ISO/IEC JTC 1/SC 35 proposes Dr Gottfried Zimmermann to be the project editor. It is intended to assign this project to WG8.

➤ *Adopted by consensus*

**Resolution 2010.69:            Revision of ISO/IEC 24752-2 "Information technology — Universal Remote Console — Part 2: User interface socket description" (WG8)**

ISO/IEC JTC 1/ISO/IEC JTC 1/SC 35 invites the US National body to submit an NP on the revision of 24752-2, accompanied by a working draft. ISO/IEC JTC 1/SC 35 proposes Dr Gottfried Zimmermann to be the project editor. It is intended to assign this project to WG8.

➤ *Adopted by consensus*

**Resolution 2010.70:                      **Nomination of WG8 Convener (WG8)****

ISO/IEC JTC 1/SC 35 thanks Dr Gottfried Zimmermann for his work as acting Convener of WG8 and Editor of ISO/IEC 24752 (all parts) and appoints him as convener of WG8, pending approval by the US National Body.

- *Adopted by consensus*

**Resolution 2010.71:                      **Thanks to Ms Lisa Tang****

ISO/IEC JTC 1/SC 35 wishes to thank Ms Lisa Tang for her presentation on "Guidance on alternative text".

- *Adopted by consensus*

**Resolution 2010.72:                      **Category C liaison with W3C****

ISO/IEC JTC 1/SC 35 wishes to accept the category C liaison request from the World Wide Web Consortium (W3C) N 1582 with ISO/IEC JTC 1/SC 35 and to welcome Ms Judy Brewer and Mr Shadi Abou-Zahra as their representatives. The Secretariat is requested to take necessary steps for JTC 1 to approve this liaison.

- *Adopted by consensus*

**Resolution 2010.73:                      **Exploration of potential work on "User Interface Guidelines for IPTV Public Service"****

ISO/IEC JTC 1/SC 35 thanks the Korean national body for the general presentation held by Mr Jaeil Song on "User Interface Guidelines for IPTV Public Service" (N 1565). ISO/IEC JTC 1/SC 35 further invites National bodies to send contributions to Mr Song on this topic. The Korean national body is then encouraged to put forward a new presentation addressing pending user interface issues such as the normative environment including the relevant IEC TC 100 "Audio, video and multimedia systems and equipment", ITU-T, ETSI, W3C and other consortia's body of standards.

- *Adopted by consensus (US abstains)*

**Resolution 2010.74:                      **Future meetings****

Future meetings of ISO/IEC JTC 1/ISO/IEC JTC 1/SC 35 are scheduled as follows:

2011-02-21/25	GOM	Bellevue/Seattle, USA
2011-08-29/09-02	Plenary	Poland, Japan or Peru (tentative, to be decided by 2010-09-30)
2012-02-20/24	GOM	Japan or Europe (tentative)
2012-08-27/31 (tentative)	Plenary	Canada (tentative)
2013-02-25/03-01 (tentative)	GOM	Europe (tentative)
2013-08-26/30 (tentative)	Plenary	China (tentative)

Note: GOM stands for General Orientation Meeting.

- *Adopted unanimously*



**Resolution 2010.75:                    Appreciation to future hosts**

ISO/IEC JTC 1/SC 35 expresses thanks to Mr Dave Welsh (US Delegation) for the information provided on the next General orientation meeting of ISO/IEC JTC 1/SC 35 in Bellevue, WA, USA and the preparation work ANSI have already dedicated to welcoming this meeting.

ISO/IEC JTC 1/SC 35 also expresses thanks to Mr Katsuyuki Ohno (JBMIA) for his proposal to host a future ISO/IEC JTC 1/SC 35 and ISO/IEC JTC 1/SC 35/WGs meeting in Japan.

➤ *Adopted unanimously with applause*

**Resolution 2010.76:                    Appreciation to the chairman and conveners**

ISO/IEC JTC 1/ISO/IEC JTC 1/SC 35 thanks for their kind and excellent conduct Dr. Yves Neuville for chairing the Plenary and convening WG5, Mr. Alain LaBonté for convening WG1, Dr. Yoshikazu Yamamoto for convening WG 2 and the joint meeting of WG2 and WG7, Mr. Yoshihide Nakao for convening WG4, Dr. Jim Carter for convening WG6 and WG7, Dr Gottfried Zimmermann for convening WG8.

➤ *Adopted unanimously with applause*

**Resolution 2010.77:                    Special appreciation to the chairman**

ISO/IEC JTC 1/ISO/IEC JTC 1/SC 35 addresses special thanks to Dr Yves Neuville for his personal commitment and the efforts he dedicates to chairing the Subcommittee and reaching consensus.

➤ *Adopted unanimously with applause*

**Resolution 2010.78:                    Appreciation to the drafting committee**

ISO/IEC JTC 1/ISO/IEC JTC 1/SC 35 thanks Dr Jim Carter, Mr Olivier Colas, Dr Hyuk Jeong, Mr Alain LaBonté, Mr Philippe Magnabosco, Dr. Monique Mai, Dr Yves Neuville, Dr Yoshikazu Seki, Mr Keld Simonsen, Mr Dave Welsh for their excellent and fruitful work in the drafting committee.

➤ *Adopted unanimously with applause*

**Resolution 2010.79:                    Appreciation to our host, UNINFO, and the Italian delegation**

ISO/IEC JTC 1/ISO/IEC JTC 1/SC 35 thanks UNI and UNINFO and their staff, for inviting the meeting. ISO/IEC JTC 1/SC 35 further thanks Mr Massimo Canducci, Head of the Italian delegation, for his very helpful assistance in organizing this meeting.

➤ *Adopted unanimously with applause*

**Resolution 2010.80:                    Appreciation to our host, IWA Italy**

ISO/IEC JTC 1/ISO/IEC JTC 1/SC 35 heartily thanks the International Webmasters Association Italy, in particular Mr Roberto Scano, for the organization of the meeting.

➤ *Adopted unanimously with applause*

**Resolution 2010.81:**  
**meeting**

**Special Appreciation for the facilities provided at the**

ISO/IEC JTC 1/ISO/IEC JTC 1/SC 35 wants to address its thanks to Mr Andrea Chinellato, Manager of Cà Zanardi who offered the venue of the meeting, Mr Roberto Scano and Ms Romina Donà, for the outstanding hospitality offered to national bodies experts in Venice.

- *Adopted unanimously with applause*

**Resolution 2010.82:**  
**meeting**

**Appreciation to Microsoft Italy for sponsoring the**

ISO/IEC JTC 1/ISO/IEC JTC 1/SC 35 finally wants to address its best thanks to Microsoft Italy, and especially Mr Alberto Masini, for sponsoring catering for the meeting.

- *Adopted unanimously with applause*

~ ~ ~ ~ ~ End of resolutions ~ ~ ~ ~ ~