

ISO/IEC JTC 1/SC 35 N 1655

DATE: 2011-03-28

ISO/IEC JTC 1/SC 35

User Interfaces

Secretariat: AFNOR

DOC TYPE: NP

TITLE: NP for a an International standard titled
“Information technology – User interfaces – Principal voice
commands – Part 1: Framework and general guidance

SOURCE: JISC

PROJECT: Principal voice commands

STATUS: For ballot on the ISO voting interface

ACTION ID: Vote

DUE DATE: 2011-06-30

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PROPOSAL FOR A NEW WORK ITEM

Date of presentation of proposal: 2011-02-28	Proposer: JISC
Secretariat: AFNOR	ISO/IEC JTC 1/SC 35 N 1655

A proposal for a new work item shall be submitted to the secretariat of the ISO/IEC joint technical committee concerned with a copy to the ISO Central Secretariat.

Presentation of the proposal - to be completed by the proposer. .

<p>Title</p> <p>Information technology — User interfaces — Principal voice commands — Part 1: Framework and general guidance</p>
<p>Scope (and field of application)</p> <p>This part of ISO/IEC Principal voice commands defines a framework and general guidance for essential voice commands. This International Standard will propose a limited number of commands which could be memorized to facilitate the use of the information/communication technology (ICT) devices including computers, PDA's, tablets, mobile devices, car navigation systems, and business machines.</p>
<p>Purpose and justification</p> <p>Voice command is used for controlling ICT devices with the voice and in the language of the user. This technology is based on voice recognition, with some consideration for language tolerance (different accents or speech impairment while using a given language). It is also beneficial to the people who are operating the ICT device when/where they cannot use hands or fingers to operate it.</p> <p>This International Standard defines the principal standardized voice commands that will be commonly used in various ICT devices.</p>
<p>Programme of work</p> <p>If the proposed new work item is approved, which of the following document(s) is (are) expected to be developed?</p> <p><input type="checkbox"/> a single International Standard</p> <p><input type="checkbox"/> more than one International Standard (expected number:)</p> <p><input checked="" type="checkbox"/> a multi-part International Standard consisting of 4 parts</p> <p><input type="checkbox"/> an amendment or amendments to the following International Standard(s)</p> <p><input type="checkbox"/> a technical report , type</p> <p>And which standard development track is recommended for the approved new work item?</p> <p><input checked="" type="checkbox"/> a. Default Timeframe</p> <p><input type="checkbox"/> b. Accelerated Timeframe</p> <p><input type="checkbox"/> c. Extended Timeframe</p>
<p>Relevant documents to be considered</p> <p>ISO/IEC 24786: 2009: Information technology – User interfaces – Accessible user interface for accessibility settings</p> <p>ETSI ES 202 076 V2.1.1. (2009-06): Generic spoken command vocabulary for ICT devices and services</p>
<p>Co-operation and liaison</p> <p>No co-operation with other bodies is initially envisaged.</p>

<p>Preparatory work offered with target date(s)</p> <p>NP 2011-02-28 WD 2011-02-28 CD 2012-02 FCD 2012-09 FDIS 2013-02</p>
<p>Signature: Yoshikazu Yamamoto</p>
<p>Will the service of a maintenance agency or registration authority be required? No Are there any known requirements for coding? No Does the proposed standard concern known patented items? No Are there any known accessibility requirements and/or dependencies (see: http://www.jtc1access.org)? Yes, This project directly involves accessibility requirements and/or dependencies Are there any known requirements for cultural and linguistic adaptability? Yes, This project directly involves cultural and linguistic adaptability</p>

Comments and recommendations of the JTC 1 or SC 35 Secretariat - attach a separate page as an annex, if necessary

Comments with respect to the proposal in general, and recommendations thereon:
In order to clarify the position, it was decided to re-ballot on a revised title and scope for SC 35 N 1561.
It is proposed to assign this new item to JTC 1/SC 35/WG 5

Voting on the proposal - Each P-member of the ISO/IEC joint technical committee has an obligation to vote within the time limits laid down (normally three months after the date of circulation).

Date of circulation: 2011-03-29	Closing date for voting: 2011-06-30	Signature of Secretary: Ph. Magnabosco
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NEW WORK ITEM PROPOSAL - PROJECT ACCEPTANCE CRITERIA		
Criterion	Validity	Explanation
A. Business Requirement		
A.1 Market Requirement	Essential ___ Desirable X Supportive ___	(see Scope and item 1. in Purpose and Justification)
A.2 Regulatory Context	Essential ___ Desirable ___ Supportive X Not Relevant ___	
B. Related Work		
B.1 Completion/Maintenance of current standards	Yes ___ No X	New Work

B.2 Commitment to other organisation	Yes ___ No X	This NP is mainly the result of a request from ISO/IEC JTC 1/SC 35 WG 5 members, and is based on OWG-VC reports.
B.3 Other Source of standards	Yes X No ___	ISO/IEC 24786: 2009: Information technology – User interfaces – Accessible user interface for accessibility settings ETSI ES 202 076 V2.1.1. (2009-06): Generic spoken command vocabulary for ICT devices and services
C. Technical Status		
C.1 Mature Technology	Yes X No ___	No sophisticated technology would be needed for implementation.
C.2 Prospective Technology	Yes ___ No X	
C.3 Models/Tools	Yes X No ___	
D. Conformity Assessment and Interoperability		
D.1 Conformity Assessment	Yes ___ No X	There will be a conformance clause but no direct consideration for conformity assessment management.
D.2 Interoperability	Yes X No ___	Conformance to this standard would ensure consistent user interoperability between ICT devices supplied by differing suppliers.
E. Adaptability to Culture, Language, Human Functioning and Context of Use		
E.1 Cultural and Linguistic Adaptability	Yes X No ___	This standard includes inter- and intra-language issues (mechanism for determination of human language and tolerance to accents in a given language).
E.2 Adaptability to Human Functioning and Context of Use	Yes X No ___	Voice commands are important tools for accessibility.
F. Other Justification		

Notes to Proforma

A. Business Relevance. That which identifies market place relevance in terms of what problem is being solved and or need being addressed.

A.1 Market Requirement. When submitting a NP, the proposer shall identify the nature of the Market Requirement, assessing the extent to which it is essential, desirable or merely supportive of some other project.

A.2 Technical Regulation. If a Regulatory requirement is deemed to exist - e.g. for an area of public concern e.g. Information Security, Data protection, potentially leading to regulatory/public interest action based on the use of this voluntary international standard - the proposer shall identify this here.

B. Related Work. Aspects of the relationship of this NP to other areas of standardisation work shall be identified in this section.

B.1 Competition/Maintenance. If this NP is concerned with completing or maintaining existing standards, those concerned shall be identified here.

B.2 External Commitment. Groups, bodies, or for external to JTC 1 to which a commitment has been made by JTC for Co-operation and or collaboration on this NP shall be identified here.

B.3 External Std/Specification. If other activities creating standards or specifications in this topic area are known to exist or be planned, and which might be available to JTC 1 as PAS, they shall be identified here.

C. Technical Status. The proposer shall indicate here an assessment of the extent to which the proposed standard is supported by current technology.

C.1 Mature Technology. Indicate here the extent to which the technology is reasonably stable and ripe for standardisation.

C.2 Prospective Technology. If the NP is anticipatory in nature based on expected or forecasted need, this shall be indicated here.

C.3 Models/Tools. If the NP relates to the creation of supportive reference models or tools, this shall be indicated here.

D. Conformity Assessment and Interoperability Any other aspects of background information justifying this NP shall be indicated here.

D.1 Indicate here if Conformity Assessment is relevant to your project. If so, indicate how it is addressed in your project plan.

D.2 Indicate here if Interoperability is relevant to your project. If so, indicate how it is addressed in your project plan

E. Adaptability to Culture, Language, Human Functioning and Context of Use

NOTE: The following criteria do not mandate any feature for adaptability to culture, language, human functioning or context of use. The following criteria require that if any features are provided for adapting to culture, language, human functioning or context of use by the new Work Item proposal, then the proposer is required to identify these features.

E.1 Cultural and Linguistic Adaptability. Indicate here if cultural and natural language adaptability is applicable to your project. If so, indicate how it is addressed in your project plan.

ISO/IEC TR 19764 (Guidelines, methodology, and reference criteria for cultural and linguistic adaptability in information technology products) now defines it in a simplified way:

“ability for a product, while keeping its portability and interoperability properties, to:

- be internationalized, that is, be adapted to the special characteristics of natural languages and the commonly accepted rules for their use, or of cultures in a given geographical region;
- take into account the usual needs of any category of users, with the exception of specific needs related to physical constraints”

Examples of characteristics of natural languages are: national characters and associated elements (such as hyphens, dashes, and punctuation marks), writing systems, correct transformation of characters, dates and measures, sorting and searching rules, coding of national entities (such as country and currency codes), presentation of telephone numbers and keyboard layouts. Related terms are localization, jurisdiction and multilingualism.

E.2 Adaptability to Human Functioning and Context of Use. Indicate here whether the proposed standard takes into account diverse human functioning and diverse contexts of use. If so, indicate how it is addressed in your project plan.

NOTE:

Human functioning is defined by the World Health Organization at <http://www3.who.int/icf/beginners/bg.pdf> as:

<<In ICF (International Classification of Functioning, Disability and Health), the term functioning refers to all body functions, activities and participation.>>

Content of use is defined in ISO 9241-11:1998 (Ergonomic requirements for office work with visual display terminals (VDTs) – Part 11: Guidance on usability) as:

<<Users, tasks, equipment (hardware, software and materials), and the physical and societal environments in which a product is used.>>

Guidance for Standard Developers to address the needs of older persons and persons with disabilities).

F. Other Justification Any other aspects of background information justifying this NP shall be indicated here.