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Information Technology

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Document Type: Proposed NP

Document Title: SC 37 Proposed New Work Item for Technical Report on “Accessibility and usability of biometric systems”

Document Source: SC 37 Secretariat

Reference:

Document Status: This document is circulated to JTC 1 National Bodies for concurrent review. If the JTC 1 Secretariat receives no objections to this proposal by the due date indicated, we will so inform the SC 37 Secretariat.

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ISO/IEC JTC 1/SC 37 N 3085

2009-03-07

ISO/IEC JTC 1/SC 37 Biometrics

Document Type: NP text for ballot

Document Title: Proposed New Work Item for Technical Report on “Accessibility and usability of biometric systems”

Source: UK National Body

Document Status: This document is circulated to SC 37 National Bodies for NP ballot. Please submit your vote via the online balloting system.

Action ID: VOTE

Due Date: **2009-06-07**

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A1 New Work Item Proposal

February 2009

PROPOSAL FOR A NEW WORK ITEM

Date of presentation of proposal: 2009-02-20	Proposer: BSI/GB
Secretariat of JTC1/SC37 and JTC1: ANSI National Body: US	ISO/IEC JTC 1 N XXXX ISO/IEC JTC 1/SC 37 N 3085

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

Title (subject to be covered and type of standard, e.g. terminology, method of test, performance requirements, etc.) Technical Report on "Accessibility and usability of biometric systems"
<p>Scope (and field of application) - of the project:</p> <p>Procurements of biometric systems often stipulate requirements for the systems to be inclusive and make provision for exception handling, however, no quantification is ever given on how the biometric systems should perform against the range and degree of disabilities encountered or difficulties of the elderly in accessing the system.</p> <p>There is currently no standardisation of taxonomy when defining disabilities that a biometric system must be capable of handling. There are no standards or guidance as to reasonableness of biometric systems automatically handling accessibility exceptions, and therefore what level of exception handling would require manual processes.</p> <p>It is proposed that SC37 take on a new work item to establish a Technical Report for biometric system design and procurement to handle the range of accessibility issues; providing quantification of inclusiveness.</p> <p>The Technical Report will provide informative good practice for particular biometric modalities against an agreed taxonomy. The Technical Report will result in guidelines for elderly persons and persons with disabilities to improve accessibility and usability of biometric systems.</p> <p>The proposed Technical Report does not intend to produce its own taxonomy; rather the taxonomy will make use of existing taxonomies where applicable, but is likely to develop one which addresses the requirements of biometric systems. Agreement of the taxonomy will be an important aspect of the final agreed scope of this project.</p>
Programme of work <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 type="checkbox"/> a multi-part International Standard consisting of parts</p> <p><input type="checkbox"/> an amendment or amendments to the following International Standard(s)</p> <p><input checked="" type="checkbox"/> X a technical report, type3.....</p> <p>And which standard development track is recommended for the approved new work item?</p> <p><input type="checkbox"/> a. Default Timeframe</p> <p><input type="checkbox"/> b. Accelerated Timeframe</p> <p><input checked="" type="checkbox"/> X c. Extended Timeframe</p>

Relevant documents to be considered

ISO/IEC TR 24714-1 Biometrics – Jurisdictional and Societal Considerations for Commercial Applications – Part 1: General Guidance
ISO/IEC 10779:2008 Information technology – Office equipment accessibility guidelines for elderly persons and persons with disabilities

Co-operation and liaison

SC 37 WG 1, 3 and 5

Preparatory work offered with target date(s)

UK will provide a baseline document if NWI is approved

Signature: Anne Cassidy, BSI



Will the service of a maintenance agency or registration authority be required?NO.....

- If yes, have you identified a potential candidate?

- If yes, indicate name

Are there any known requirements for coding?NO.....

-If yes, please specify on a separate page

Does the proposed standard concern known patented items?NO

- If yes, please provide full information in an annex

Are there any known accessibility requirements and/or dependencies? YES.

- The main purpose of the TR is to develop Good Practice for accessibility of biometric systems

Are there any known requirements for cultural and linguistic adaptability? YES

- The TR will highlight where these requirements would arise and, where they affect accessibility, guidance will be provided.

Comments and recommendations of the JTC 1 or SC 37 Secretariat - attach a separate page as an annex, if necessary

Comments with respect to the proposal in general, and recommendations thereon:

The proposer has suggested that this new work item be assigned to JTC 1/SC 37 WG6

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: 2009-03-07	Closing date for voting: 2009-06-07	Signature of Secretary: Lisa Rajchel
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NEW WORK ITEM PROPOSAL - PROJECT ACCEPTANCE CRITERIA		
Criterion	Validity	Explanation
A. Business Requirement		Although procurements of biometric systems will often require inclusiveness, it is not clear how conformance to such a requirement can be judged. A Technical Report that addresses the taxonomy and quantifies inclusiveness against such taxonomy would lead to tighter system requirements and better system solutions.
A.1 Market Requirement	Essential __X_ Desirable ____ Supportive ____	We believe that both procurers and system developers would benefit from this Technical Report, creating greater inclusivity for users.
A.2 Regulatory Context	Essential ____ Desirable ____ Supportive _X_ Not Relevant ____	
B. Related Work		
B.1 Completion/Maintenance of current standards	Yes ____ No __X__	
B.2 Commitment to other organisation	Yes ____ No __X__	
B.3 Other Source of standards	Yes _ __ No _X_	It is believed that there are no current International Standards in this area, although there may be International Standards that support the taxonomy to be adopted.
C. Technical Status		
C.1 Mature Technology	Yes _X_ No ____	The technology to increase inclusiveness is available, but good deployment is often not well understood

C.2 Prospective Technology	Yes ____ No_ X _	
C.3 Models/Tools	Yes ____ No_ X _	The Technical Report could result in models and/or tools being developed for system assessment.
D. Conformity Assessment and Interoperability		
D.1 Conformity Assessment	Yes _ _ _ No_ X _	.
D.2 Interoperability	Yes _ _ _ No_ X _	
E. Cultural and Linguistic Adaptability	Yes_ X _ No_ _ _ _	It is likely that cultural and linguistic aspects will influence this work.
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 a 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. Cultural and Linguistic Adaptability Indicate here if cultural and linguistic adaptability is applicable to your project. If so, indicate how it is addressed in your project plan.

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