



ISO/IEC JTC 1 N 9537
ISO/IEC JTC 1
Information Technology

2009-03-09

Document Type: Proposed NP

Document Title: SC 37 Proposed new Work Item for Technical Report - "Passenger Processes for Biometric Recognition in Automated Border Crossing 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.

Action ID: ACT

Due Date: 2009-06-10

No. of Pages: 7

ISO/IEC JTC 1/SC 37 N 3086

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 - "Passenger Processes for Biometric Recognition in Automated Border Crossing Systems"

Source: UK National Body and New Zealand 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

No. of Pages:

A1 New Work Item Proposal

February 2009

PROPOSAL FOR A NEW WORK ITEM

Date of presentation of proposal: 2009-02-19	Proposer: BSI/UK and SNZ/NZ
Secretariat of JTC1/SC37 and JTC1: ANSI National Body: US	ISO/IEC JTC 1 N XXXX ISO/IEC JTC 1/SC 37 N 3086

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 - "Passenger Processes for Biometric Recognition in Automated Border Crossing Systems"
Scope (and field of application) - of the project: A number of countries are piloting voluntary, automated passenger processing systems for incoming international travellers. Systems using hand geometry, fingerprint, iris and face recognition are now in place in at least 12 countries. Some countries have multiple different systems in place. The EU has indicated that such system might be in place throughout Europe by 2020. There currently is little standardisation of the passenger experience when interfacing with these voluntary automated systems. There is little in the way of standards regarding signage or prompts for user interaction with the biometric components of the system, including instructions to begin or repeat the biometric presentation and indication that the process was successful or unsuccessful. There are no standards regarding the prompting of users to move forward through the gates or kiosks or to refer users to the primary (or secondary) manual process. Some systems issue passengers receipts after successful processing, but there are no standards for prompting users to take their receipts or instructing users if or how receipts will be used upon exiting the immigration halls. Uptake, throughput and error rates are negatively impacted by the lack of a standardized user experience. Manual Customs and Immigration systems mandated by government for incoming passengers are outside the scope of this standard. This Technical report would provide recommended practices and processes for biometric border crossing systems.'
Programme of work If the proposed new work item is approved, which of the following document(s) is (are) expected to be developed? <input type="checkbox"/> a single International Standard <input type="checkbox"/> more than one International Standard (expected number:) <input type="checkbox"/> a multi-part International Standard consisting of parts <input type="checkbox"/> an amendment or amendments to the following International Standard(s) <input checked="" type="checkbox"/> X a technical report , type TR3 And which standard development track is recommended for the approved new work item? <input type="checkbox"/> a. Default Timeframe <input type="checkbox"/> b. Accelerated Timeframe <input checked="" type="checkbox"/> X c. Extended Timeframe

Relevant documents to be considered

Working draft of ISO/IEC 24779-1, on signs and symbols
ICAO Guidelines electronic- Machine Readable Travel Documents
& Passenger Facilitation Version – 1.0 Date – April 17, 2008
DHS specification for interoperability of registered traveller programmes.
http://www.rtconsortium.org/docpost/RTICTIGSpec_v1.7.pdf

Co-operation and liaison

ICAO NTWG.

Preparatory work offered with target date(s)

The UK with NZ 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

Although there have been patents issued regarding passenger processes, we know of none impacting this project.

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

- i. Details of how such issues are to be addressed would be outside the scope of this TR. The TR will reference other TRs and Standards that do address the issues

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

- ii. The TR will highlight where these requirements would arise but will not propose specific responses as these would be outside the scope of the TR.

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 WG4

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

NEW WORK ITEM PROPOSAL - PROJECT ACCEPTANCE CRITERIA		
Criterion	Validity	Explanation
A. Business Requirement		A number of countries are piloting voluntary automated passenger processing systems for incoming international travellers. Systems using hand geometry, fingerprint, iris and face recognition are now in place in at least 12 countries. Some countries have deployed multiple independent systems. The EU has indicated that such system might be in place throughout Europe by 2020. It has been widely observed by those deploying these systems that passengers are uncertain as to what behaviours are required because of inexperience and the lack of uniform standards across the various systems currently deployed. Uptake, throughput and error rates are negatively impacted by passenger unfamiliarity with the systems.
A.1 Market Requirement	Essential <input checked="" type="checkbox"/> X_ Desirable ____ Supportive ____	These systems are currently voluntary, so the market will be driven by user uptake. We believe that user uptake will be impacted by the level of comfort and familiarity that passengers feel with the systems.
A.2 Regulatory Context	Essential ____ Desirable ____ Supportive ____ Not Relevant <input checked="" type="checkbox"/> X_	
B. Related Work		
B.1 Completion/Maintenance of current standards	Yes ____ No <input checked="" type="checkbox"/> X_	
B.2 Commitment to other organisation	Yes ____ No <input checked="" type="checkbox"/> X_	

B.3 Other Source of standards	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	It is believed that there are no current International Standards in this area, although ICAO has related standards regarding such things as passport data and border crossing information. Reference material produced by ICAO will be considered during drafting.
C. Technical Status		
C.1 Mature Technology	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	This technology has been developed over many years, and has several implementations.
C.2 Prospective Technology	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
C.3 Models/Tools	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
D. Conformity Assessment and Interoperability		
D.1 Conformity Assessment	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Conformity assessment is not part of the current NP, but would be likely to follow once the Standard is completed, and the NP includes (by a future project split) any necessary modifications to existing conformance testing standards.
D.2 Interoperability	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
E. Cultural and Linguistic Adaptability	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	It seems likely that cultural and linguistic aspects might 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.