

**ISO/IEC JTC 1  
Information Technology**

**Document Type:** New Work Item Proposal

**Document Title:** Notification of ballot – ISO/IEC NP 10373-6/Amd 9:2001 – Identification cards – Test methods – Part 6: Proximity cards – AMENDMENT 9: Test methods for electromagnetic disturbances

**Document Source:** SC 17 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 17 Secretariat

**Action ID:** Act

**Due Date:** 2010-04-28

**No. of Pages:** 6

**ISO/IEC JTC1/SC17 N 3864**

**DOCUMENT TYPE: Notification of Ballot**

**TITLE:** Notification of ballot - ISO/IEC NP 10373-6/Amd 9:2001 - Identification cards - Test methods - Part 6: Proximity cards - AMENDMENT 9: Test methods for electromagnetic disturbances

**BACKWARD POINTER:** N 3858

**SOURCE:** SECRETARIAT ISO/IEC JTC1/SC17

**STATUS:** This ballot has been posted to the ISO Electronic balloting application and is available under the Balloting Portal, Committee Internal Balloting.

National bodies are reminded particularly to vote both for the proposal to be added to the SC17 work plan (Qu.2.), and also to indicate if they will be prepared to offer experts to contribute to the new work item (Qu.3.). These are the key questions upon which the success of the NP is determined.

This ballot is concurrent with 17n3858.

This ballot has been sent to the secretariat of JTC1 for simultaneous ballot.

**ACTION ID:** Vote

**WORK ITEM:**

**DUE DATE:** 2010-04-26

**DISTRIBUTION:** P and L-Members of ISO/IEC JTC1/SC17  
JTC1 Secretariat  
ISO/IEC ITTF

**MEDIUM:** SERVER

**NO. OF PAGES:** 5

## G3 New Work Item Proposal

### PROPOSAL FOR A NEW WORK ITEM

Date of presentation of proposal: 2010-01-26	Proposer: ISO/IEC JTC 1/SC 17
Secretariat: BSI (UK) National Body	<b>ISO/IEC JTC 1 N 3864</b>

**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 Guidelines for proposing and justifying a new work item are given in ISO Guide 26.

<b>Title</b> ISO/IEC 10373-6:2001 - Identification cards — Test methods — Part 6: Proximity cards — AMENDMENT 9: Test methods for electromagnetic disturbances
<b>Scope:</b>  This amendment presents the specification of test methods related to <ul style="list-style-type: none"><li>- the signal-to-noise ratio definition for the specific demands of ISO/IEC 14443-compliant proximity coupled systems, and to the maximum allowed Electro-Magnetic Disturbance (EMD) level in a contactless chip-card system, caused by the PICC before data transmission. Those definitions are covered by ISO/IEC 14443-2:2010/PDAM3.2.</li><li>- enhancing the robustness of the contactless communication between PCD and PICC against electromagnetic disturbance (EMD), which is specified in ISO/IEC 14443-3:2010/PDAM4.2</li></ul>
<b>Purpose and justification:</b>  Today's fast-growing worldwide market for contactless systems (e.g., ePassport, Contactless Payment) has created a significant demand for infrastructure (PCD) and Smart Card / Contactless Personal Document (PICC) interoperability. Practically all existing RF-Interface international standards (e.g., GSM, UMTS, and Bluetooth) specify signal-to-noise ratios for their systems. No such definition is implemented in today's ISO/IEC 14443 standard series.  Additionally, the both above mentioned amendments ISO/IEC 14443-2:2010/PDAM3.2 and 14443-3:2010/PDAM4.2 need accompanied test methods, as usual also for other standards.
<b>Programme of work:</b>  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 more than one International Standard (expected number: ..... ) <input type="checkbox"/> a multi-part International Standard consisting of ..... parts <input checked="" type="checkbox"/> an amendment or amendments to the following International Standard(s) .ISO/IEC 10373-6..... <input type="checkbox"/> a technical report , type .....
<b>Relevant documents to be considered:</b>  ISO/IEC 14443-2:2010/PDAM3.2 - Identification cards — Contactless integrated circuit(s) cards — Proximity cards — Part 2: Radio frequency power and signal interface — AMENDMENT 3: Limits of electromagnetic disturbance levels  ISO/IEC 14443-3:2010/PDAM4.2 - Identification cards — Contactless integrated circuit(s) cards — Proximity cards — Part 2: Radio frequency power and signal interface — Part 3: Initialization and anticollision - AMENDMENT 4: Electromagnetic disturbance handling
<b>Cooperation and liaison:</b>

<b>Preparatory work offered with target date(s):</b> CD (PDAM) Concurrent ballot with NP.
<b>Signature:</b>
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

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

<b>Comments with respect to the proposal in general, and recommendations thereon:</b> It is proposed to assign this new item to JTC 1/SC XX
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**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).

<b>Date of circulation:</b> YYYY-MM-DD	<b>Closing date for voting:</b> YYYY-MM-DD	<b>Signature of JTC 1 Secretary:</b>
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<b>NEW WORK ITEM PROPOSAL - PROJECT ACCEPTANCE CRITERIA</b>		
<b>Criterion</b>	<b>Validity</b>	<b>Explanation</b>
<b>A Business Requirement</b>		
A.1 Market Requirement	Essential <u>X</u> Desirable ____ Supportive ____	
A.2 Regulatory Context	Essential ____ Desirable ____ Supportive ____ Not Relevant <u>X</u>	
<b>B. Related Work</b>		
B.1 Completion/Maintenance of current standards	Yes <u>X</u> No ____	
B.2 Commitment to other organization	Yes ____ No <u>X</u>	
B.3 Other Source of standards	Yes ____ No <u>X</u>	
<b>C. Technical Status</b>		

C.1 Mature Technology	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
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"/>	
<b>D. Conformity Assessment and Interoperability</b>		
D.1 Conformity Assessment	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
D.2 Interoperability	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Interoperability of products conformant to ISO/IEC 14443 will be improved by using this amendment.
<b>E. Other Justification</b>		

## 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 standardization 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 fora external to JTC 1 to which a commitment has been made by JTC for cooperation 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 standardization.

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

## **D. Conformity Assessment and Interoperability**

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