

## PROPOSAL FOR A NEW WORK ITEM

Date of presentation of proposal: 2003, January 22	Proposer: US
Secretariat: SC17 Secretariat	SC 17 N XXXX/WG 8 NXXXX

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> “ <b>Limited Use Contactless Smart Card Standards Definition</b> ”
<b>Scope</b> Development of Contactless Smart Card Standard that addresses ticketing. This ticket standard will contain a limited feature set from that of ISO 14443.
<b>Purpose and justification</b> – See Attached Document Section 1.0
<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? _ ___ a single International Standard more than one International Standard (expected number: ..... ) ___ a multi-part International Standard consisting of ..... parts <u>X</u> an amendment or amendments to the following International Standard(s) ISO/IEC 14443 ___ a technical report , type .....
<b>Relevant documents to be considered</b> ISO/IEC 14443 Parts 1-4,
<b>Cooperation and liaison</b> ISO/IEC SC17/WG8
<b>Preparatory work offered with target date(s)</b> February, 2003
<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
Are there any known requirements for cultural and linguistic adaptability? <NO>. - If yes, please specify on a separate page
Does the proposed standard concern known patented items? <UNKOWN>  - 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 – See Annex A

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

It is proposed to assign this new item to JTC 1/SC 17

**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> YYY-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 <input checked="" type="checkbox"/> Desirable <input type="checkbox"/> Supportive <input type="checkbox"/>	Major issue for transit and retail agencies or companies attempting to adopt contactless smart card technology but present standard is to full featured and costly to adopt.
A.2 Regulatory Context	Essential <input type="checkbox"/> Desirable <input type="checkbox"/> Supportive <input checked="" type="checkbox"/> Not Relevant <input type="checkbox"/>	
<b>B. Related Work</b>		
B.1 Completion/Maintenance of current standards	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	It is necessary to maintain interoperability with ISO 14443 Part 1-3
B.2 Commitment to other organization	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
B.3 Other Source of standards	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<b>C. Technical Status</b>		
C.1 Mature Technology	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
C.2 Prospective Technology	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	There is the possibility of new technologies that may be usable under this proposal
C.3 Models/Tools	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<b>D. Conformity Assessment and Interoperability</b>		

D.1 Conformity Assessment	Yes ___ No <u>X</u>	
D.2 Interoperability	Yes <u>X</u> No ___	See B.1
<b>E. Other Justification</b>		

### Annex A: Additional Comments and recommendations

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Work within the ISO 14443 standard but add or change existing parts including the provision for additional options as needed. The following are some suggested changes:

1. Physical (size), part 1 needs to be changed (no restrictions on minimum size).
  2. Data transfer (air Interface), part 2 needs minimum read distance only & power levels. Must operate with existing PCD (readers). Check on possibility of both ISO14443 and ISO15693 technology. Determine if the sub-carrier is necessary.
  3. Initialization/anti-collision, part 3, needs to be reduced in complexity were possible.
  4. Security, Part 4, does not need financial levels but need to prevent copying/fraud.
  5. Data storage size to be most cost effective for the application. Recommendation was given for <512 Bytes.
  6. Anti-tear (completed transaction). Open item as to need!
  7. Data Records – size, access & locking. Do they need to be spec'd
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### 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 for external to JTC1 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 JTC1 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.