A proposal for a new work item within the scope of an existing committee shall be submitted to the secretariat of that committee with a copy to the Central Secretariat and, in the case of a subcommittee, a copy to the secretariat of the parent technical committee. Proposals not within the scope of an existing committee shall be submitted to the secretariat of the ISO Technical Management Board.

The proposer of a new work item may be a member body of ISO, the secretariat itself, another technical committee or subcommittee, or organization in liaison, the Technical Management Board or one of the advisory groups, or the Secretary-General.

The proposal will be circulated to the P-members of the technical committee or subcommittee for voting, and to the O-members for information.

See overleaf for guidance on when to use this form.

**IMPORTANT NOTE:** Proposals without adequate justification risk rejection or referral to originator.

Guidelines for proposing and justifying a new work item are given overleaf.

### Proposal (to be completed by the proposer)

<table>
<thead>
<tr>
<th>Title of proposal</th>
<th>(in the case of an amendment, revision or a new part of an existing document, show the reference number and current title)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English title</strong></td>
<td>Information and documentation – Data Model for use of RFID in libraries</td>
</tr>
<tr>
<td><strong>French title</strong></td>
<td>(if available)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Scope of proposed project</th>
</tr>
</thead>
<tbody>
<tr>
<td>To develop a Data Model for use of RFID in libraries</td>
</tr>
</tbody>
</table>

**Concerns known patented items** (see ISO/IEC Directives Part 1 for important guidance)

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

**Envisaged publication type** (indicate one of the following, if possible)

|------------------------|------------------------|---------------------------------|------------------|

**Purpose and justification** (attach a separate page as annex, if necessary)

Libraries are implementing RFID (Radio Frequency Identifier) as item identification to replace barcodes. RFID enables applications like user self-service, security, and materials handling. A standard data model for encoding information on RFID tags could increase the cost-effectiveness of the technology within libraries and enhance support for resource sharing.

Several countries have done preliminary work on standardisation. The Netherlands developed a data model for public libraries and in Denmark "RFID Data Model for Libraries" has been published. The Danish model has been adapted by Finland with a few additions. The United States has a working group that is evaluating the Danish data model.

Description of proposed process is attached.

**Target date for availability** (date by which publication is considered to be necessary) 2010

**Relevant documents to be considered**

- Technical report (which is the formal publication of the working group report http://www.bs.dk/standards/RFID%20Data%20Model%20for%20Libraries.pdf)

At the meeting on 8 February 2006 of ISO TC46/SC4 this resolution was adopted:

Resolution 6 Proposal to initiate NWIP for new project on application of RFID

SC4 recommends that the Danish member body submit a new work item for RFID to be circulated for ballot.
Relationship of project to activities of other international bodies

<table>
<thead>
<tr>
<th>Liaison organizations</th>
<th>Need for coordination with:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>☐ IEC ☐ CEN ☐ Other (please specify)</td>
</tr>
</tbody>
</table>

Preparatory work (at a minimum an outline should be included with the proposal)

- ☐ A draft is attached
- ☒ An outline is attached. It is possible to supply a draft by
  The proposer or the proposer's organization is prepared to undertake the preparatory work required  ☒ Yes ☐ No

Proposed Project Leader (name and address)
Leif Andresen,
Danish National Library Authority,
Nyhavn 31E, DK-1051 Copenhagen K,
Denmark - email LEA@bs.dk (representing Danish Standard – chair S24 (Information and Documentation))

Name and signature of the Proposer
(please include contact information)
Tommy Schomacker,
Danish Bibliographic Center, Tempovej 7-11, DK-2750 Ballerup, Denmark - email TS@dbc.dk (representing Danish Standard – chair S24/u4 (Information and Documentation – Technical Interoperability))

Comments of the TC or SC Secretariat

Supplementary information relating to the proposal

- ☒ This proposal relates to a new ISO document;
- ☐ This proposal relates to the amendment/revision of an existing ISO document;
- ☐ This proposal relates to the adoption as an active project of an item currently registered as a Preliminary Work Item;
- ☐ This proposal relates to the re-establishment of a cancelled project as an active project.

Other:

Voting information
The ballot associated with this proposal comprises a vote on:

- ☒ Adoption of the proposal as a new project
- ☐ Adoption of the associated draft as a committee draft (CD)
  (see ISO Form 5, question 3.3.1)
- ☐ Adoption of the associated draft for submission for the enquiry vote (DIS or equivalent)
  (see ISO Form 5, question 3.3.2)

Other:

Annex(es) are included with this proposal (give details)

- ☒ N599 Background and process, Data Model for use of RFID in libraries, New Work Item Proposal to ISO TC46/SC4.

Date of circulation | Closing date for voting | Signature of the TC or SC Secretary
--- | --- | ---
2006-07-12 | 2006-10-12 | Karin Zentveld, SNZ

Use this form to propose:

- a) a new ISO document (including a new part to an existing document), or the amendment/revision of an existing ISO document;
- b) the establishment as an active project of a preliminary work item, or the re-establishment of a cancelled project;
- c) the change in the type of an existing document, e.g. conversion of a Technical Specification into an International Standard.

This form is not intended for use to propose an action following a systematic review - use ISO Form 21 for that purpose.

Proposals for correction (i.e. proposals for a Technical Corrigendum) should be submitted in writing directly to the secretariat concerned.

Guidelines on the completion of a proposal for a new work item
(see also the ISO/IEC Directives Part 1)

- a) Title: Indicate the subject of the proposed new work item.
- b) Scope: Give a clear indication of the coverage of the proposed new work item. Indicate, for example, if this is a proposal for a new document, or a proposed change (amendment/revision). It is often helpful to indicate what is not covered (exclusions).
- c) Envisaged publication type: Details of the types of ISO deliverable available are given in the ISO/IEC Directives, Part 1 and/or the associated ISO Supplement.
d) Purpose and justification: Give details based on a critical study of the following elements wherever practicable. **Wherever possible reference should be made to information contained in the related TC Business Plan.**

1) The specific aims and reason for the standardization activity, with particular emphasis on the aspects of standardization to be covered, the problems it is expected to solve or the difficulties it is intended to overcome.

2) The main interests that might benefit from or be affected by the activity, such as industry, consumers, trade, governments, distributors.

3) Feasibility of the activity: Are there factors that could hinder the successful establishment or general application of the standard?

4) Timeliness of the standard to be produced: Is the technology reasonably stabilized? If not, how much time is likely to be available before advances in technology may render the proposed standard outdated? Is the proposed standard required as a basis for the future development of the technology in question?

5) Urgency of the activity, considering the needs of other fields or organizations. Indicate target date and, when a series of standards is proposed, suggest priorities.

6) The benefits to be gained by the implementation of the proposed standard; alternatively, the loss or disadvantage(s) if no standard is established within a reasonable time. Data such as product volume or value of trade should be included and quantified.

7) If the standardization activity is, or is likely to be, the subject of regulations or to require the harmonization of existing regulations, this should be indicated.

If a series of new work items is proposed having a common purpose and justification, a common proposal may be drafted including all elements to be clarified and enumerating the titles and scopes of each individual item.

e) Relevant documents: List any known relevant documents (such as standards and regulations), regardless of their source. When the proposer considers that an existing well-established document may be acceptable as a standard (with or without amendment), indicate this with appropriate justification and attach a copy to the proposal.

f) Cooperation and liaison: List relevant organizations or bodies with which cooperation and liaison should exist.
Background and process

Data Model for use of RFID in libraries

New Work Item Proposal to ISO TC46/SC4

Title: Information and documentation - Data Model for use of RFID in libraries

Scope: To develop a Data Model for use of RFID in libraries

Purpose and justification:
Libraries are implementing RFID (Radio Frequency Identifier) as item identification to replace barcodes. RFID enables applications like user self-service, security, and materials handling. A standard data model for encoding information on RFID tags could increase the cost-effectiveness of the technology within libraries and enhance support for resource sharing.

Several countries have done preliminary work on standardisation. The Netherlands developed a data model for public libraries and in Denmark "RFID Data Model for Libraries" has been published. The Danish model has been adapted by Finland with a few additions. The United States has a working group that is evaluating the Danish data model.

Relevant document to be considered:
DS/INF 163 - RFID datamodel i biblioteker - RFID Data Model for Libraries. Technical report (which is the formal publication of the working group report http://www.bs.dk/standards/RFID%20Data%20Model%20for%20Libraries.pdf )
At the meeting on 8 February 2006 of ISO TC46/SC4 this resolution was adopted:

*Resolution 6 Proposal to initiate NWIP for new project on application of RFID*

SC4 recommends that the Danish member body submit a new work item for RFID to be circulated for ballot.

**Outline of Proposed Work**

Pre-Ballot Preparatory Work
The Danish Committee S24/u4 for Technical Interoperability has empowered Leif Andresen, Morten Hein and Tommy Schomacker to act on behalf of the Committee as project leaders to ensure progress for international standardisation of RFID in libraries. In parallel to the preparation for the formal ballot, these project leaders are working to prepare documents for review by the panel of national experts that would follow a successful ballot of the NWIP.

The project leadership group has set up a temporary web site to document the development and progress of the work: [http://www.bs.dk/standards/rfid](http://www.bs.dk/standards/rfid). The group will publish all relevant documents and comments received here.

The project leadership group asks all member bodies

1. To report names and addresses of national vendors of RFID solutions to libraries including these companies affiliation to international companies.

2. To nominate a national expert to serve as a representative.

3. To send their comments to documents referred on the web site including the Danish data model. These comments will be used to prepare materials for the panel of national experts. Contact: Leif Andresen, mailto:lea@bs.dk

Work steps following a successful ballot:

1. The project leaders will present preliminary work to the panel of national experts based on comments received during the ballot process.

2. The project leaders will work with the national experts to identify a list of vendors who will serve as expert advisors to the group (alternative who will be asked to join the group as expert advisors)

3. This group (national experts and vendor advisors) will prepare the proposed data model.
4. A workshop or possibly two workshops are seen as part of the work necessary to prepare a CD.

Contact persons
The project leadership group representing Danish Standard S24/u4:
Tommy Schomacker, Danish Bibliographic Centre. Chair of S24/u4. Mail: TS@dbc.dk
Leif Andresen, Danish National Library Authority. Mail: lea@bs.dk (project leader)
Morten Hein, Hein Information Tools. Mail: morten.hein@heinit.dk