

6 March 2006

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>)

TC46/SC4 N594: Possible data objects for a library RFID system <http://www.niso.org/international/SC4/N594.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>. 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 S24u4:

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)

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