

DRAFT

ISO Standard: ILL transactions

Proposal for Title:

Information and documentation – Interlibrary Loan Transactions

For discussion at mailing list “interested parties”

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Since first version after meeting Clare, Ed, Kevin and Leif
3 October 2012, Reykjavik added Annex D and list in Annex B corrected

Foreword

Standard ISO foreword including:

“ISO XXXXX was prepared by Technical Committee ISO/TC 46, Information and documentation, Subcommittee SC 4, Technical interoperability.”

Introduction

[A general explanation of the goal with the standard including the sentence below]

This first version of ISO XXXXX is intended to succeed ISO 10160, ISO 10161-1 and ISO 10161-2 in a modern technological environment based on XML format and web service and focussed on simple exchange of transactions.

[to be completed]

1. Scope

This international standard specifies the transactions between libraries and library related organizations to handle requests for library items and the following messages.

2. Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies

ISO 15511

Information and documentation -- International standard identifier for libraries and related organizations (ISIL)

ISO 4217

Codes for the representation of currencies and funds

ISO 8601

Data elements and interchange formats -- Information interchange -- Representation of dates and times

ISO 3166-1

Codes for the representation of names of countries and their subdivisions -- Part 1: Country codes

ISO 3166-2

Codes for the representation of names of countries and their subdivisions -- Part 2: Country subdivision code

[to be completed]

3 Terms and definitions

Library

Organization, or part of an organization, the main aim of which is to maintain a collection and to facilitate, by services of a staff, the use of such documents as are required to meet the informational, research, educational or recreational needs of its users.

Supplier Library

A library or a library related organization, which receives requests for library items and delivers this to the requesting library.

Requesting Library

A library or a library related organization, which sends requests for library items and receives this from the supplier library.

Library related organization

An institution, a company, a consortia or another unit, which handle requesting or receiving of library items on behalf of one or more libraries

Library items

Books, articles, cd's, copies and other physical documents together with digital documents such as pdf-files.

[to be completed]

4. Transactions

[content: The conceptual model – see draft dated 8-10-2012]

[The conceptual model have to be “migrated” into ISO style – just work – no change.

This migration shall also include adding explanations for all elements]

5. Format and Transport

Format

The format is in XML described in a XML schema. The generic schema is listed in Annex C.

Values from open list are not controlled during the transport. Handling this kind of control is a task for the applications in Supplier Library and Requesting Library.

Transport

The transactions are exchange between in Supplier Library and Requesting Library using a web service.

Error handling

Not supported actions shall be answered by an error message.

[to be completed]

6. Condition to conform the standard

A Supplier Library shall support to receive requests and Requesting Library messages as described in section 4 using format and transport method as described in section 5.

If request or a message includes actions not handled by the Supplier Library, the Supplier Library shall answer with the relevant error code.

A Supplier Library shall support a least one status, but have no obligation to support a status not part of the business model for the Supplier Library.

A Supplier Library can support not only to answer requests and messages, but also to send messages by initiative of the Supplier Library.

Annex A (Informative): Informational web-site

The Danish Agency for Culture is hosting a web site with additional information about ISO XXXXX Information and documentation – Interlibrary Loan Transactions:

<http://biblstandard.dk/ill>

Danish Agency for Culture
H.C. Andersens Boulevard 2
1553 Copenhagen V
Denmark

Email: ill@bs.dk

[mail not active yet!]

Annex B (Informative): Lists of values

For elements listed below is on <http://biblstandard.dk/ill/listofvalues> an informative list of values, which are recommended to use.

BibliographicNumberType
BillingMethod
ContactMethod
CopyrightCompliance
LoanCondition
MediumType
PaymentMethod
Protocol
PublicationType
ReasonUnfilled
ServiceLevel
ServiceType
ShippedMethod

For Currency is values defined in ISO 4217 Codes for the representation of currencies and funds.

For Country is values defined in ISO 3166-1 Codes for the representation of names of countries and their subdivisions -- Part 1: Country codes

For Region is values defined in ISO 3166-2 Codes for the representation of names of countries and their subdivisions -- Part 2: Country subdivision code

Annex C (Informative). XML schema

C.1 Applications of the generic ILL schema

Applications of the generic ILL schema may be obtained from:

Danish Agency for Culture
H.C. Andersens Boulevard 2
1553 Copenhagen V
Denmark

Email: ill@bs.dk

Danish Agency for Culture is hosting an application of the schema at the website:

<http://biblstandard.dk/ill/xxxxxxxxxxx>

The schema may be updated to correct possible errors and/or to conform to future versions of the XML schema standards. The web site will contain a link to the most current version.

C.2 The generic ILL schema

[A version of the ILL XML schema.

Will not be part of the version attached to the NWIP]

[web-site not active yet!]

Annex D (Informative): Guidelines – use cases

The informational website (see Annex A) will include a set of guidelines at:

<http://biblstandard.dk/ill/guidelines>

[web-site not active yet!]

Some examples of this kind of guidelines.

Level of fee

A Requesting Library send a request to a Supplier Library with MaximumCost = 50 \$. The fee is 60 \$. So the Supplier Library refuses the request with an ILLSupplierLibraryMessage with ReasonUnfilled “CostIs 100” and status Unfilled.

The Requesting Library decide (this can be driven by application or human handling – depends on Requesting Library) to pay the fee.

The Requesting Library send a new request to a Supplier Library with MaximumCost = 60 \$. A librarian at the Supplier Library places the book in container for mailing and active an ILLSupplierLibraryMessage with status WillSupply. The check-out is later in the process.

Handling when receiving requests:

The Supplier Library has to decide how to handle answers of requests.

Some examples:

A) If the database indicates the book is in the shelf, the Supplier Library ILL application sends an ILLSupplierLibraryMessage with status ExpectToSupply and ExpectedDeliverDate to three days after (normal time for handling in this library). When the book is checked-out, the status changes to OnLoan. If the Requesting Library receives messages initiated by the Supplier Library, an ILLSupplierLibraryMessage with status OnLoan is sent with detailed information in Transport-section.

B) The Supplier Library handles incoming request in a non-automated process. So Supplier Library ILL application sends an ILLSupplierLibraryMessage with status RequestReceived. The librarian gets the book and checks it out, the status changes to OnLoan. If the Requesting Library receives messages initiated by the Supplier Library, an ILLSupplierLibraryMessage with status OnLoan is sent with detailed information in Transport-section.

C) The database tells that the book is out for loan, the Supplier Library ILL application sends an ILLSupplierLibraryMessage with status ExpectToSupply and ExpectedDeliverDate to two months after (calculation based on e.g. : 3 weeks more actual borrower, 4 weeks for next in queue and 1 week for handling). When the book is checked-out, the status changes to OnLoan. If the Requesting Library receives messages initiated by the Supplier Library, an ILLSupplierLibraryMessage with status OnLoan is sent with detailed information in TransportSection.

Damaged book

The Requesting Library send an ILLSupplierLibraryMessage with action Message and HumanReadableNote "The cover is totally destroyed bu accident. Shall we send to bookbinder?".

The Supplier Library decide (human work) what to do. The result can e.g. be: Supplier Library sends an ILLSupplierLibraryMessage with HumanReadableNote "A cheap book. Throw it out and forget it" and with status ClosedWithoutReturn.