

The future of interoperability for ILL and resource sharing

by

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Outline

- Interoperability
- Background and history
- Emergence of new standard
- ISO 18626
 - Messages
 - Open and closed lists
 - Format and transport
 - Use cases and guidelines
 - Web page
- Status and next steps

Interoperability

- Interoperability between ILL systems:
 - the messages that are sent
 - the way messages are sent
 - the content of the messages

Background and history

- First published in 1991= ISO 10160/1 (ILL Protocol / ISO ILL)
 - Pre internet. Early days of email. ILL systems emerging.
- Used in: Australia, New Zealand, Canada, China, Japan and Vietnam

Background and history

- Based on outdated technology.
 - Terminology and message encoding
- Uses its own model of an ILL transaction.
 - State tables dictate the behaviour of a request
- Very difficult to keep current and relevant.
 - e.g., billing types and delivery methods

Emergence of new standard

- Initial conversations in 2011
- Common themes
 - Simplicity
 - No states
 - Minimal number of messages
 - Modern structures

Emergence of new standard

- July 2014 - ISO 18626 published

ISO 18626

- Simple to understand and implement
- Widespread use and adopted quickly
- Balance – communication with partners used:
 - On regular basis
 - One-off situations
- No states to restrict workflows

ISO 18626

- Three messages and confirmations
 - Request message
 - Supplying Library message
 - Requesting Library message

 - Confirmation messages validates message received and indicates any errors (if required)

ISO 18626

- Open & closed lists – codify and standardize information exchanged
 - Closed lists – integral to standard. Use of closed lists minimized. For example: Reason for message, Status and Service Type
 - Open lists – used extensively. Included in an annexe. Allows for lists to be modified in future. Can be used between known partners. For example: Billing Method, Electronic Address Type, Reason Unfilled and Service Level.

ISO 18626

➤ Format and transport

- Messages encoded using XML.
- XML schema in an annexe. Allows for changes to be made easily.
- Both http and https supported as transport protocols.

ISO 18626

➤ Web page

- For all details, including annexes, and news about ISO 18626

<http://illtransactions.org>

➤ Use cases & guidelines

- Provided in an annexe
- Include examples of what needs to be included in messages in real life operational scenarios

Status and next steps

- Working group (WG14) will provide guidance and expertise to implementers and adjust annexes as required

Status and next steps

- Vendor adoption to achieve objective of broad based interoperability => improved efficiencies & easier access.
 - Denmark
 - Relais International
 - OCLC

What does this mean for you?

- Not a panacea BUT
- When you want to send a request
 - No need to be part of a single system or use the same system
 - Whether a 'regular' partner or one-off
- Talk to your system vendor and make sure they know that this is important to you and your library

Thank you

➤ Questions / comments