

2015

*TC46 on Information and documentation has been leading efforts related to information management since 1947. Standards<sup>1</sup> developed under ISO/TC46 facilitate access to knowledge and information and standardize automated tools, computer systems, and services relating to its major stakeholders of: libraries, publishing, documentation and information centres, archives, records management, museums, indexing and abstracting services, and information technology suppliers to these communities. TC46 has a unique role among ISO information-related committees in that it focuses on the whole lifecycle of information from its creation and identification, through delivery, management, measurement, and archiving, to final disposition.*

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The following report summarizes activities of TC46, SC4, SC8 SC9<sup>2</sup> and their resolutions of the annual meetings<sup>3</sup>, in light of the key-concepts of interest to the IFLA community<sup>4</sup>.

## **1. SC4 Technical interoperability**

### **1.1 Activities**

Standardization of protocols, schemas, etc. and related models and metadata for processes used by information organizations and content providers, including libraries, archives, museums, publishers, and other content producers.

### **1.2 Active Working Group**

WG 11 – RFID in libraries

WG 12 – WARC

WG 13 – Cultural heritage information interchange

WG 14 – Interlibrary Loan Transactions

### **1.3 Joint working groups**

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<sup>1</sup> For the complete list of published standards, *cfr.* Appendix A.

<sup>2</sup> ISO TC46 Subcommittees: [TC46/SC4](#) Technical interoperability; [TC46/SC8](#) Quality - Statistics and performance evaluation; [TC46/SC9](#) Identification and description; [TC46/SC 10](#) Requirements for document storage and conditions for preservation - *Cfr* Appendix B.

<sup>3</sup> The 42<sup>nd</sup> ISO TC46 plenary, subcommittee and working groups meetings, Beijing, June 1-5 2015.

<sup>4</sup> Abbreviations used in the text: CD=Committee Draft / DIS=Draft International Standard / FDIS= Final Draft International Standard / JWC=Joint Working Group / NP= New Project / NWI= New Work Item / SC=Subcommittee / TC=Technical Committee / TS=Technical Specification / WG=Working Group / CIB=Committee-Internal Ballot.

EPUB (Joint JTC 1/SC 34-TC46/SC4-IEC/TC 100/TA 10)  
Revision of ISO 639 (Joint ISO/TC 37/SC 2 - ISO/TC46/SC4)

#### 1.4 Standards Completed since Last Meeting

- ISO 21127:2014
- ISO 18626:2014
- ISO 28560 parts 1-3:2014
- ISO/TS 28560:2014
- ISO 10161-1, ISO 10161-2 and ISO 10160

#### 1.5 News about standards and activities

##### ISO 18626 Interlibrary Loan Transactions

###### Background:

*The new standard ISO 18626 Information and documentation — Interlibrary Loan Transactions was published by ISO on the 15th of July 2014.*

*A newsletter about ISO 18626 was introduced in April 2015; it can be accessed:  
[http://us10.campaign-  
archive1.com/?u=4dec152ed388807c72dc8a740&id=37e83c00e9&e=d793cbee11](http://us10.campaign-archive1.com/?u=4dec152ed388807c72dc8a740&id=37e83c00e9&e=d793cbee11)*

###### Documentation/Presentations/Publications

- *The future of interoperability for ILL and resource sharing* by Clare MacKeigan (Relais International, Canada). Presentation: Great Lakes Resource Sharing Conference, Perrysburg, Ohio. June 5 & 6, 2015.  
*ISO 18626:2014 Information and documentation -- Interlibrary Loan Transactions*  
[http://www.iso.org/iso/home/store/catalogue\\_tc/catalogue\\_detail.htm?csnumber=63064](http://www.iso.org/iso/home/store/catalogue_tc/catalogue_detail.htm?csnumber=63064)
- *PRESS RELEASE: ISO 18626:2014 Interlibrary Loan Transactions*. ISO TC46/SC4/WG14 Interlibrary Loan Transactions.  
[http://illtransactions.org/pdf/ISO\\_18626-press\\_release\\_2014-07-17.pdf](http://illtransactions.org/pdf/ISO_18626-press_release_2014-07-17.pdf)
- *The future of interoperability for ILL and resource sharing* by Clare MacKeigan (Relais International, Canada). Presentation: IFLA Document Delivery Resource Sharing Satellite Meeting, Nancy. August 13 & 14, 2014
- *The future of interoperability for ILL and resource sharing* by Clare MacKeigan (Relais International, Canada). Presentation: Northwest ILL Conference, Portland, Oregon. September 11 & 12, 2015.
- *The future of interoperability for ILL and resource sharing* by Clare MacKeigan. In *Interlending and Document Supply* Volume 42, Issue 2-3, 2015, p. 105-108.
- *New ISO standard for ILL transaction, ISO 18626. The future of interoperability for ILL and resource sharing* by Clare MacKeigan (Relais International, Canada) & Leif Andresen (The Royal Library, Denmark) - Presentation: 11th Nordic ILL conference. Oslo. October 15th-17th 2014 – To Get or Not to Get!  
[http://referanse.norskbiotekforening.no/wp-  
content/uploads/sites/7/2014/10/MacKeigan-Andresenpdf.pdf](http://referanse.norskbiotekforening.no/wp-content/uploads/sites/7/2014/10/MacKeigan-Andresenpdf.pdf)

- *New ILL Standard/Protocol*. Presentation National Library of Australia, October 30th 2014. Patricia Burke (OCLC)  
<http://www.nla.gov.au/librariesaustralia/files/2014/12/2014-OCLC-ISO-slides-New-Standard.ppsx>
- *Introduction to the ISO 18626:2014 Press Release and Interview with Leif Andresen*. In: Journal of Interlibrary Loan, Document Delivery & Electronic Reserve. Volume 24, Issue 3-4, 2014  
<http://www.tandfonline.com/doi/abs/10.1080/1072303X.2014.983215>  
(Authorization needed).
- *Nye standarder for lånesamarbejdet / Leif Andresen*. In: Revy. Volume 38, No 1, 2015 (in Danish)  
<http://rauli.cbs.dk/index.php/revy/article/view/4742>

Implementations:

- Future implementations: Relais International in 2016 and OCLC in 2017.
- The Danish Bibliographic Centre (DBC) has implemented ISO 18626 in a test version (spring 2015) to prepare the interaction with local library systems later this year. DBC manage the national union catalogue and will receive and deliver ILL transactions in ISO 18626. DBC also support the Danish implementation in XML format of ISO 10160/10161 with Z39.50 extended service as transport protocol. DBC act as switchboard with conversion ISO 18626 to ISO 10160/10161 and vice versa.

WG14 website:

*ISO 18626 Interlibrary Loan Transactions*. ISO TC46/SC4/WG14 Interlibrary Loan Transactions <http://illtransactions.org/> hosted by Relais International.

**EPUB 3** (Joint Working Group JTC 1/SC 34-TC46/SC4-IEC/TC 100/TA 10 WG: EPUB)

Background:

*Following decision of subcommittee JTC1<sup>5</sup>/SC34/AHG4 for EPUB3, Korean NB made its national standards for EPUB3 in 2012 and submitted seven parts of EPUB3 specification as Draft Technical Specification with Explanatory Report in February 2013<sup>6</sup>.*

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<sup>5</sup> JTC1= Joint Technical Committee 1 on Information technology

<sup>6</sup> JTC1 N11947 – Agreed Disposition of Comments on ISO/IEC 30135-1, Digital publishing - Part 1:

EPUB3 Overview

JTC1 N11948 – Agreed Disposition of Comments on ISO/IEC 30135-2, Digital publishing - Part 2:

Publications

JTC1 N11949 – Agreed Disposition of Comments on ISO/IEC 30135-3, Digital publishing - Part 3:

Content Documents JTC1 N11950 – Agreed Disposition of Comments on ISO/IEC 30135-4, Digital publishing - Part 4:

Open Container Format

JTC1 N11951 – Agreed Disposition of Comments on ISO/IEC 30135-5, Digital publishing - Part 5:

Media Overlay

JTC1 N11952 – Agreed Disposition of Comments on ISO/IEC 30135-6, Digital publishing - Part 6:

EPUB Canonical Fragment Identifier

JTC1 N11945 – Agreed Disposition of Comments on ISO/IEC 30135-7, Digital publishing – Part 7:

EPUB3 Fixed-Layout Documents

*These ballots were closed in May 5, 2013. Last year SC4 instructed its Secretariat and its Chair to discuss with the TC46 Secretariat and the ISO Central Secretariat to see if a resolution could be found to advance the JWG's work toward publication of the IDPF EPUB standard as an ISO/IEC TS.*

#### Publication of ISO/IEC TS 30135 – EPUB3

ISO and IDPF (International Digital Publishing Forum) finally agreed to publish the entire set of ISO/IECTS 30135 and published on ISO web site in November 5, 2014. The titles of each document are as follows:

- ISO/IEC TS 30135-1 Information technology - Digital publishing - Part 1: EPUB3 Overview
- ISO/IEC TS 30135-2 Information technology - Digital publishing - Part 2: Publications
- ISO/IEC TS 30135-3 Information technology - Digital publishing - Part 3: Content Documents
- ISO/IEC TS 30135-4 Information technology - Digital publishing - Part 4: Open Container Format
- ISO/IEC TS 30135-5 Information technology - Digital publishing - Part 5: Media Overlay
- ISO/IEC TS 30135-6 Information technology - Digital publishing - Part 6: EPUB CanonicalFragment Identifier
- ISO/IEC TS 30135-7 Information technology - Digital publishing - Part 7: EPUB3 Fixed-LayoutDocuments

According to terms of reference of the JWG in JTC1 N11613 'SC34 Request for Establishment of Joint Working Group for EPUB with IEC TC100/TA10 and ISO/TC46/SC4', the JWG has responsibility for "the maintenance of EPUB Technical Specifications, and for any directly-related projects as may subsequently be proposed."

#### **ISO/NP 20614 Data Exchange Protocol for Interoperability and Preservation (DEPIP)**

##### Scope of NP 20614

DEPIP aims at giving a standardized framework for the various information exchanges (data and its metadata) between repositories and their partners. Interchanges between several repositories (repositories integrated in organizations, public repositories, storage service suppliers) will also be considered.

It aims to promote the interoperability between the information systems of these actors and to allow for a better harmonization of software developments. Its origin is to be found in the development of e-administration

in France and the need to propose a standardized framework for data exchanges with the permanent archives repositories. The current version of this NWIP gives high level definitions and technical guidance for the development of data exchanges protocol following several models based on xml schemas.

SC4 Plenary: Resolution 2015/04 about the WG 15 Metadata and protocols for long term preservation

#### ISO/TC46/SC4

- instructs the SC4 secretariat to contact and establish a liaison with ISO/TC 20/SC 13 responsible for OAIS standards, for involvement in WG 15 work,
- instructs the SC4 secretariat to circulate a committee draft ballot (CD) for ISO/NP 20614 Data Exchange Protocol for Interoperability and Preservation by the end of 2015.

#### **WG12 and revision of ISO 28500 - WARC file format**

WG12 will meet by the end of 2015 to revise ISO 28500 based upon the comments proposed by the International Internet Preservation Consortium (IIPC),  
WG12 will submit the revised draft ISO 28500 for DIS ballot to the SC4 secretariat, by May 1st, 2016

#### **Revision of ISO 639 Codes for the representation of names of languages**

##### Background:

*At the beginning of 2014, ISO/TC46/SC4 and ISO/TC 37/SC 2 were authorized by their respective parent TC to establish a Joint Working Group (JWG07) between ISO/TC46/SC4 and ISO/TC 37/SC 2 to review/revise the provisions (i.e. textual parts) of ISO 639. In May 2014, the first ISO/TC 37/SC 2/JWG07 meeting was held at the TC46 annual meetings held in Washington, D.C. to discuss a business case for revising ISO 639. At the meeting, the JWG07 moved to adopt a resolution that TC46/SC4 nominate a Convenor for the JWG, with TC37/SC2 taking on the role of Administrator. TC46/SC4's Convenor nomination, Peter Constable, was approved by ISO/TC46/SC4 ballot vote in June 2014. The JWG07 met again in July 2014 at the ISO/TC 37 annual meetings held in Berlin, where ISO/TC 37/SC 2 passed resolutions to initiate the withdrawal of ISO 639-6 (subsequently withdrawn by TC 37/SC 2 CIB vote in October 2014); and to create a project team to begin work on revisions to parts 1 to 5. The JWG07 also moved to name two co-Convenors for the ISO 639 JWG: Peter Constable (representing TC46/SC4) and Christian Galinski (representing TC 37/SC 2). The project team is being led by Peter Constable, who is the editor of the new draft of the combined ISO 639 standard.*

##### Actions:

A working first draft of the revision is pending.

#### **Future liaison with DDI Alliance**

SC4 will invite DDI Alliance to establish a category A liaison<sup>7</sup> with ISO/TC46/SC4 and to standardize DDI metadata format in ISO.

#### **WG13 Cultural heritage information interchange**

SC4, noting the successful completion of WG13 and the lack of further necessary work related to this project, resolves to disband ISO/TC46/SC4/WG 13 – Cultural

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<sup>7</sup>“ A” liaisons has the right to participate in meetings and to comment on drafts but it can't vote.

heritage information interchange

## **2. SC8 Quality – Statistics and performance evaluation**

### **2.1 Activities**

Standardization of quantitative and qualitative data for the management of information organizations and content providers, e.g., libraries, archives, museums and publishers.

### **2.2 Active Working Groups**

WG 2 - International library statistics

WG 4 - Performance indicators for libraries

WG 10 – Methods and procedures for assessing the impact of libraries

WG 11 – International museum statistics

WG 12 – International archive statistics

### **2.3 News about standards and activities**

#### ***WG2 - Library statistics***

WG2 met in Washington on May 7, 2014, to discuss new developments for a next revision of ISO 2789 - International library statistics.

SC8 requests experts of WG 2 to collect contributions for the revision of ISO 2789 and submit them at the next October Vienna WG2 meeting.

#### ***WG 4 - Performance indicators for libraries***

WG4 met in Washington on May 7, 2014, to discuss new developments for a next revision of ISO 11620 - Library performance indicators

SC8 requests experts of WG 4 to collect contributions for the revision of ISO 11620 and submit them at the next October Vienna WG4 meeting.

#### ***WG10 - Methods and procedures for assessing the impact of libraries***

WG10 met in Washington on May 8, 2014, to discuss new developments for a next revision of ISO 16439 - Methods and procedures for assessing the impact of libraries.

SC8 requests experts of WG 10 to collect contributions for the revision of ISO 16439 and submit them at the next October Vienna WG10 meeting.

#### ***WG 11 – International museum statistics***

ISO 18461 - International museum statistics: a Committee draft was prepared and was on ballot from July 23rd until September 23rd 2014.

A DIS will be published in summer 2015.

SC8 requests WG 11 to work on the comments received during the ballot on ISO/DIS 18461 and to finalize the document for publication at the next October Vienna meeting.

#### ***WG 12 – International archives statistics***

SC8 requests WG 12 to prepare a working draft of ISO 19580 - International archives statistics at the October meeting in Vienna.

### **3. SC9 Identification and Description**

#### **3.1 Activities**

Standardization of information identifiers, description and associated metadata and models for use in information organizations (including libraries, museums and archives) and the content industries (including publishing and other content producers and providers).

#### **3.2 Active Working Group**

WG 2 - International standard work code (ISWC)  
WG 4 - International Standard Book Number (ISBN)  
WG 10 - International Standard Recording Code (ISRC)  
WG 11 - International standard link identifier (ISLI)  
WG12 - Indexes and indexing  
WG13 - International library item identifier(ILII)  
Ad hoc Identifiers Interoperability Group  
Ad hoc Registration Authorities

#### **3.3 New Work Items**

One new work item was balloted since the last meeting for a new standard for an International Library Item Identifier (ILII)

#### **3.4 New Publication [1 pending]**

ISO 17316, *Information and documentation – International standard link identifier (ISLI)*: publication will occur after a Registration Authority is in place.

#### **3.5 News about standards and activities**

##### **ISO 2108 - International Standard Book Number: revision of the standard**

The ISBN Standard was due to come up for Systematic Review in 2013, but at the TC46/SC9 plenary meeting in Paris in June 2013 the International ISBN Agency proposed that the Standard should be revised since it was already clearly justified for a number of reasons including developments in digital and multi-media products. This proposal was agreed and a resolution to that effect was passed at that meeting.

The Working Group comprises thirty six experts and one organisation in liaison. The project is on the 3 year track. The Convenor of the Working Group is Stella Griffiths, Executive Director of the International ISBN Agency.

So far the Working Group has met 7 times by WebEx, and held a face to face meeting during the TC46 Plenary week in Washington in 2014. There was a second face to face meeting during the TC46 Plenary week in Beijing in 2015 at which it is

hoped that comments to the Committee Draft will be available for discussion.

The Committee Draft was opened for ballot on 3 February and will close on 3 April, with the DIS due towards the end of the year.

### **WG12 Indexes and Indexing**

#### Background:

*At the Washington, DC plenary meeting a resolution was passed to establish a single working group to perform a gap analysis between ISO 999 (Guidelines for the content, organization and presentation of indexes) and ISO 5963 (Methods for examining documents, determining their subjects, and selecting indexing terms) and determine whether a single standard can address all stakeholder needs. Following this evaluation, the standard(s) will be revised as needed.*

*A call for participation was issued to the members from 12 February 2015 through 12 March 2015. Members were also asked to identify any expert nominees who were willing to be the convenor for this Working Group. A total of 11 experts were identified from 7 countries, with one individual willing to be convenor (United Kingdom).*

#### Actions:

The Chair and Secretary are following up to confirm a convenor, which the members will be asked to approve.

### **WG13 - International library item identifier(ILII) – ISO/WD20247**

A new work item proposal was issued for ballot from 20 August 2014 through 20 November 2014 to develop a new standard for an International Library Item Identifier (ILII). The proposal was approved by the members. The convenor has begun communications with the WG and the WD20247 will be submitted for CD ballot by this year.

### **ISO10957:2009 – International Standard Music Number**

SC9 reaffirms ISO 10957:2009 but instructs the Registration Authority to further review the standard as soon as the ISO 2108 ISBN standard text is stable, and to report to SC9 within three months of the ISO 2108 final ballot. This work should align the two standards and respond to comments received in the systematic review.

### **ISO 21047:2009– International Standard Text Code (ISTC)**

SC9 reaffirms ISO 21047– International Standard Text Code (ISTC), but requests the Registration Authority to forward a New Work Item Proposal by December 31, 2015 to revise the standard to address stakeholder needs regarding work identification.

### **Fast track standardization in ISO TC46/SC9 of projects involving cataloging principles and practices**

SC9 would like to invite IFLA and the American Library Association Committee of Principals for a fast track standardization in ISOTC46/SC9 of projects involving cataloging principles and practices.

## 4. Under the responsibility of TC46

### 4.1 Active Working Groups

WG 2 - Coding of country names and related entities

WG 3 - Conversion of written languages

WG 4 - Terminology of information and documentation

### 4.2 News about standards and activities

#### **Publication of revised ISO 7098 - Romanization of Chinese**

TC46 resolves to circulate a CIB to publish the DIS in response to the positive DIS ballot.

#### **Future revision of ISO 5127 - Foundations and Vocabulary of information and documentation**

Once the current ISO DIS 5127 has been published, a CIB ballot will be circulated in order to launch the revision.

In addition TC46 requests WG4 -Terminology of information and documentation to study options for frequent updating and continued monitoring of terminology and terminological coordination within TC46 in view of setting up a database and report its findings at the next plenary meeting.

#### **Revision of ISO 3166 Parts -1, -2, and -3**

ISO/TC46 requests ISO/CS to submit a draft revision of ISO 3166 Parts -1, -2, and -3 to reflect the changes made to normative code elements available on ISO Online Browsing Platform. Once received, TC46 instructs its secretariat to circulate a CIB ballot on this proposal.

#### **ISO 8 - Presentation of periodicals**

##### Background:

*Last year TC46 resolved to disband WG 7. TC46 invited ANSI/NISO to submit a NWIP to revise the scope of ISO 8 - Documentation -- Presentation of periodicals, to include electronic periodicals based on the NISO Recommended Practice for the Presentation and Identification of E-Journals (PIE-J) for consideration by TC46 by October 1, 2014.*

##### Actions:

ISO/TC46 resolves to submit the NWIP sent by ANSI/NISO following Resolution 2014-09 to revise the scope of ISO 8 - Presentation of periodicals to include electronic periodicals based on the NISO *Recommended Practice for the Presentation and Identification of E-Journals (PIE-J)* for ballot by July 2015.

## **5. Standards under development**

### **5.1 Under the responsibility of TC46**

ISO/DIS 5127

Information and documentation -- Foundation and Vocabulary

ISO/DIS 7098

Information and documentation -- Romanization of Chinese

ISO/WD 20674

Transliteration of Thai-Tham-Isan and Thai-Noi

### **5.2 Under the responsibility of SC4**

ISO/NP 20614

Data Exchange Protocol for Interoperability and Preservation

ISO/NP 28500

Information and documentation -- WARC file format

### **5.3 Under the responsibility of SC8**

ISO/CD 18461

International museum statistics

ISO/NP 19580

Information and documentation -- International archives statistics

### **5.4 Under the responsibility of SC9**

ISO/CD 2108

Information and documentation -- International standard book number (ISBN)

ISO/NP 3901

Information and documentation -- International Standard Recording Code (ISRC)

ISO/WD 20247

Information and documentation -- International library item identifier(ILII)

### **5.5 Under the responsibility of SC10**

ISO/DIS 11799

Information and documentation -- Document storage requirements for archive and library materials

ISO/DTS 18344

Effectiveness of paper deacidification processes

ISO/NP TR 19814

Information and documentation -- Holdings Management

ISO/NP TR 19815

Information and documentation -- Management of the environmental conditions for archive and library holdings

✓ **Appendix A: list of published standards (2014)**

**ISO TC46 – Information and documentation**

[ISO Sub-Committees: [TC46/SC4](#) Technical interoperability;[TC46/SC8](#) Quality - Statistics and performance evaluation;[TC46/SC9](#) Identification and description; TC46/SC10 Requirements for document storage and conditions for preservation [TC46/SC 11](#) Archives/records management]

Standard	Under the responsibility of
<a href="#">ISO 10160:2015</a> Information and documentation -- Open Systems Interconnection -- Interlibrary Loan Application Service Definition	<a href="#">ISO/TC46/SC4</a>
<a href="#">ISO 10161-1:2014</a> Information and documentation -- Open Systems Interconnection -- Interlibrary Loan Application Protocol Specification -- Part 1: Protocol specification	<a href="#">ISO/TC46/SC4</a>
<a href="#">ISO 10161-2:2014</a> Information and documentation -- Open Systems Interconnection -- Interlibrary Loan Application Protocol Specification -- Part 2: Protocol implementation conformance statement (PICS) proforma	<a href="#">ISO/TC46/SC4</a>
<a href="#">ISO 10324:1997</a> Information and documentation -- Holdings statements -- Summary level	<a href="#">ISO/TC46/SC9</a>
<a href="#">ISO 10754:1996</a> Information and documentation -- Extension of the Cyrillic alphabet coded character set for non-Slavic languages for bibliographic information interchange	<a href="#">ISO/TC46/SC4</a>
<a href="#">ISO 1086:1991</a> Information and documentation -- Title leaves of books	<a href="#">ISO/TC46</a>
<a href="#">ISO 10957:2009</a> Information and documentation -- International standard music number (ISMN)	<a href="#">ISO/TC46/SC9</a>
<a href="#">ISO 11108:1996</a> Information and documentation -- Archival paper -- Requirements for permanence and durability	<a href="#">ISO/TC46/SC10</a>
<a href="#">ISO 11620:2014</a> Information and documentation -- Library performance indicators	<a href="#">ISO/TC46/SC8</a>
<a href="#">ISO 11798:1999</a> Information and documentation -- Permanence and durability of writing, printing	<a href="#">ISO/TC46/SC10</a>

and copying on paper -- Requirements and test methods	
<u>ISO 11799:2003</u>	<u>ISO/TC46/SC10</u>
Information and documentation -- Document storage requirements for archive and library materials	
<u>ISO 11800:1998</u>	<u>ISO/TC46/SC10</u>
Information and documentation -- Requirements for binding materials and methods used in the manufacture of books	
<u>ISO 11940:1998</u>	<u>ISO/TC46</u>
Information and documentation -- Transliteration of Thai	
<u>ISO 11940-2:2007</u>	<u>ISO/TC46</u>
Information and documentation -- Transliteration of Thai characters into Latin characters -- Part 2: Simplified transcription of Thai language	
<u>ISO 12083:1994</u>	<u>ISO/TC46/SC4</u>
Information and documentation -- Electronic manuscript preparation and markup	
<u>ISO 14416:2003</u>	<u>ISO/TC46/SC10</u>
Information and documentation -- Requirements for binding of books, periodicals, serials and other paper documents for archive and library use -- Methods and materials	
<u>ISO 15511:2011</u>	<u>ISO/TC46/SC4</u>
Information and documentation -- International standard identifier for libraries and related organizations (ISIL)	
<u>ISO 15706-1:2002</u>	<u>ISO/TC46/SC9</u>
Information and documentation -- International Standard Audiovisual Number (ISAN) -- Part 1: Audiovisual work identifier	
<u>ISO 15706-1:2002/Amd 1:2008</u>	<u>ISO/TC46/SC9</u>
Alternate encodings and editorial changes	
<u>ISO 15706-2:2007</u>	<u>ISO/TC46/SC9</u>
Information and documentation -- International Standard Audiovisual Number (ISAN) -- Part 2: Version identifier	
<u>ISO 15707:2001</u>	<u>ISO/TC46/SC9</u>
Information and documentation -- International Standard Musical Work Code (ISWC)	
<u>ISO 15836:2009</u>	<u>ISO/TC46/SC4</u>
Information and documentation -- The Dublin Core metadata element set	
<u>ISO 15836:2009/Cor 1:2009</u>	<u>ISO/TC46/SC4</u>
<u>ISO 15919:2001</u>	<u>ISO/TC46</u>
Information and documentation -- Transliteration of Devanagari and related Indic scripts into Latin characters	
<u>ISO 15924:2004</u>	<u>ISO/TC46</u>
Information and documentation -- Codes for the representation of names of scripts	
<u>ISO 16245:2009</u>	<u>ISO/TC46/SC10</u>
Information and documentation -- Boxes, file covers and other enclosures, made from cellulosic materials, for storage of paper and parchment documents	
<u>ISO 16439:2014</u>	<u>ISO/TC46/SC8</u>

Information and documentation -- Methods and procedures for assessing the impact of libraries <u>ISO 17316:2015</u>	<u>ISO/TC46/SC9</u>
Information and documentation -- International standard link identifier (ISLI) <u>ISO 17933:2000</u>	<u>ISO/TC46/SC4</u>
GEDI -- Generic Electronic Document Interchange <u>ISO 18:1981</u>	<u>ISO/TC46</u>
Documentation -- Contents list of periodicals <u>ISO 18626:2014</u>	<u>ISO/TC46/SC4</u>
Information and documentation -- Interlibrary Loan Transactions <u>ISO 20775:2009</u>	<u>ISO/TC46/SC4</u>
Information and documentation -- Schema for holdings information <u>ISO 21047:2009</u>	<u>ISO/TC46/SC9</u>
Information and documentation -- International Standard Text Code (ISTC) <u>ISO 2108:2005</u>	<u>ISO/TC46/SC9</u>
Information and documentation -- International standard book number (ISBN) <u>ISO 21127:2014</u>	<u>ISO/TC46/SC4</u>
Information and documentation -- A reference ontology for the interchange of cultural heritage information <u>ISO 214:1976</u>	<u>ISO/TC46</u>
Documentation -- Abstracts for publications and documentation <u>ISO 2145:1978</u>	<u>ISO/TC46</u>
Documentation -- Numbering of divisions and subdivisions in written documents <u>ISO 2146:2010</u>	<u>ISO/TC46/SC4</u>
Information and documentation -- Registry services for libraries and related organizations <u>ISO 215:1986</u>	<u>ISO/TC46</u>
Documentation -- Presentation of contributions to periodicals and other serials <u>ISO 233:1984</u>	<u>ISO/TC46</u>
Documentation -- Transliteration of Arabic characters into Latin characters <u>ISO 233-2:1993</u>	<u>ISO/TC46</u>
Information and documentation -- Transliteration of Arabic characters into Latin characters -- Part 2: Arabic language -- Simplified transliteration <u>ISO 233-3:1999</u>	<u>ISO/TC46</u>
Information and documentation -- Transliteration of Arabic characters into Latin characters -- Part 3: Persian language -- Simplified transliteration <u>ISO 2384:1977</u>	<u>ISO/TC46</u>
Documentation -- Presentation of translations <u>ISO 23950:1998</u>	<u>ISO/TC46/SC4</u>
Information and documentation -- Information retrieval (Z39.50) -- Application service definition and protocol specification <u>ISO 25577:2013</u>	<u>ISO/TC46/SC4</u>
Information and documentation -- MarcXchange <u>ISO 259:1984</u>	<u>ISO/TC46</u>

Documentation -- Transliteration of Hebrew characters into Latin characters <u>ISO 259-2:1994</u>	
Intelligent transport systems -- Account-based ticketing validation -- Part 2: Simplified transliteration <u>ISO 25964-1:2011</u>	<u>ISO/TC46</u>
Information and documentation -- Thesauri and interoperability with other vocabularies -- Part 1: Thesauri for information retrieval <u>ISO 25964-2:2013</u>	<u>ISO/TC46/SC9</u>
Information and documentation -- Thesauri and interoperability with other vocabularies -- Part 2: Interoperability with other vocabularies <u>ISO 26324:2012</u>	<u>ISO/TC46/SC9</u>
Information and documentation -- Digital object identifier system <u>ISO 2709:2008</u>	<u>ISO/TC46/SC9</u>
Information and documentation -- Format for information exchange <u>ISO 27729:2012</u>	<u>ISO/TC46/SC4</u>
Information and documentation -- International standard name identifier (ISNI) <u>ISO 27729:2012/Cor 1:2013</u>	<u>ISO/TC46/SC9</u>
<u>ISO 27730:2012</u>	<u>ISO/TC46/SC9</u>
Information and documentation -- International standard collection identifier (ISCI) <u>ISO 2789:2013</u>	<u>ISO/TC46/SC9</u>
Information and documentation -- International library statistics <u>ISO 28500:2009</u>	<u>ISO/TC46/SC8</u>
Information and documentation -- WARC file format <u>ISO 28560-1:2014</u>	<u>ISO/TC46/SC4</u>
Information and documentation -- RFID in libraries -- Part 1: Data elements and general guidelines for implementation <u>ISO 28560-2:2014</u>	<u>ISO/TC46/SC4</u>
Information and documentation -- RFID in libraries -- Part 2: Encoding of RFID data elements based on rules from ISO/IEC 15962 <u>ISO 28560-3:2014</u>	<u>ISO/TC46/SC4</u>
Information and documentation -- RFID in libraries -- Part 3: Fixed length encoding <u>ISO 3166-1:2013</u>	<u>ISO/TC46/SC4</u>
Codes for the representation of names of countries and their subdivisions -- Part 1: Country codes <u>ISO 3166-2:2013</u>	<u>ISO/TC46</u>
Codes for the representation of names of countries and their subdivisions -- Part 2: Country subdivision code <u>ISO 3166-3:2013</u>	<u>ISO/TC46</u>
Codes for the representation of names of countries and their subdivisions -- Part 3: Code for formerly used names of countries <u>ISO 3297:2007</u>	<u>ISO/TC46</u>
Information and documentation -- International standard serial number (ISSN) <u>ISO 3602:1989</u>	<u>ISO/TC46/SC9</u>
Documentation -- Romanization of Japanese (kana script)	<u>ISO/TC46</u>

<u>ISO 3901:2001</u> Information and documentation -- International Standard Recording Code (ISRC)	<u>ISO/TC46/SC9</u>
<u>ISO 4:1997</u> Information and documentation -- Rules for the abbreviation of title words and titles of publications	<u>ISO/TC46/SC9</u>
<u>ISO 5122:1979</u> Documentation -- Abstract sheets in serial publications	<u>ISO/TC46</u>
<u>ISO 5123:1984</u> Documentation -- Headers for microfiche of monographs and serials	<u>ISO/TC46</u>
<u>ISO 5127:2001</u> Information and documentation -- Vocabulary	<u>ISO/TC46</u>
<u>ISO 5963:1985</u> Documentation -- Methods for examining documents, determining their subjects, and selecting indexing terms	<u>ISO/TC46/SC9</u>
<u>ISO 6357:1985</u> Documentation -- Spine titles on books and other publications	<u>ISO/TC46</u>
<u>ISO 6630:1986</u> Documentation -- Bibliographic control characters	<u>ISO/TC46/SC4</u>
<u>ISO 690:2010</u> Information and documentation -- Guidelines for bibliographic references and citations to information resources	<u>ISO/TC46/SC9</u>
<u>ISO 7098:1991</u> Information and documentation -- Romanization of Chinese	<u>ISO/TC46</u>
<u>ISO 7144:1986</u> Documentation -- Presentation of theses and similar documents	<u>ISO/TC46</u>
<u>ISO 7154:1983</u> Documentation -- Bibliographic filing principles	<u>ISO/TC46</u>
<u>ISO 7220:1996</u> Information and documentation -- Presentation of catalogues of standards	<u>ISO/TC46/SC9</u>
<u>ISO 7220:1996/Cor 1:2001</u>	<u>ISO/TC46/SC9</u>
<u>ISO 7275:1985</u> Documentation -- Presentation of title information of series	<u>ISO/TC46</u>
<u>ISO 8:1977</u> Documentation -- Presentation of periodicals	<u>ISO/TC46</u>
<u>ISO 832:1994</u> Information and documentation -- Bibliographic description and references -- Rules for the abbreviation of bibliographic terms	<u>ISO/TC46/SC9</u>
<u>ISO 843:1997</u> Information and documentation -- Conversion of Greek characters into Latin characters	<u>ISO/TC46</u>
<u>ISO 8459:2009</u> Information and documentation -- Bibliographic data element directory for use in data exchange and enquiry	<u>ISO/TC46/SC4</u>
<u>ISO 8777:1993</u>	<u>ISO/TC46/SC4</u>

Information and documentation -- Commands for interactive text searching <u>ISO 9:1995</u>	
Information and documentation -- Transliteration of Cyrillic characters into Latin characters -- Slavic and non-Slavic languages <u>ISO 9230:2007</u>	<u>ISO/TC46</u>
Information and documentation -- Determination of price indexes for print and electronic media purchased by libraries <u>ISO 9706:1994</u>	<u>ISO/TC46/SC8</u>
Information and documentation -- Paper for documents -- Requirements for permanence <u>ISO 9707:2008</u>	<u>ISO/TC46/SC10</u>
Information and documentation -- Statistics on the production and distribution of books, newspapers, periodicals and electronic publications <u>ISO 9984:1996</u>	<u>ISO/TC46/SC8</u>
Information and documentation -- Transliteration of Georgian characters into Latin characters <u>ISO 9985:1996</u>	<u>ISO/TC46</u>
Information and documentation -- Transliteration of Armenian characters into Latin characters <u>ISO 999:1996</u>	<u>ISO/TC46</u>
Information and documentation -- Guidelines for the content, organization and presentation of indexes <u>ISO/DIS 5127</u>	<u>ISO/TC46/SC9</u>
Information and documentation -- Foundation and Vocabulary <u>ISO/DIS 7098</u>	<u>ISO/TC46</u>
Information and documentation -- Romanization of Chinese <u>ISO/NP 20614</u>	<u>ISO/TC46</u>
Data Exchange Protocol for Interoperability and Preservation <u>ISO/NP 28500</u>	<u>ISO/TC46/SC4</u>
Information and documentation -- WARC file format <u>ISO/TR 11219:2012</u>	<u>ISO/TC46/SC4</u>
Information and documentation - Qualitative conditions and basic statistics for library buildings -- Space, function and design <u>ISO/TR 14873:2013</u>	<u>ISO/TC46/SC8</u>
Information and documentation -- Statistics and quality issues for web archiving <u>ISO/TR 28118:2009</u>	<u>ISO/TC46/SC8</u>
Information and documentation -- Performance indicators for national libraries <u>ISO/TS 28560-4:2014</u>	<u>ISO/TC46/SC8</u>
Information and documentation -- RFID in libraries -- Part 4: Encoding of data elements based on rules from ISO/IEC 15962 in an RFID tag with partitioned memory <u>ISO/WD 20674</u>	<u>ISO/TC46/SC4</u>
Transliteration of Thai-Tham-Isan and Thai-Noi Standard and/or project	<u>ISO/TC46</u>

## Appendix B: Structure

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### ✓ ISO/TC46 Information and documentation

Scope:

Standardization of practices relating to libraries, documentation and information centres, publishing, archives, records management, museum documentation, indexing and abstracting services, and information science.

#### **Working groups directly under ISO/TC46:**

WG 2 Coding of country names and related entities

WG 3 Conversion of written languages

WG 4 Terminology of information and documentation

#### **Organizations in liaison:**

CIDOC, CISAC, DOI, EC, IAEA, ICA, ICSTI, IFLA, IIF, ISAN, ISOC, ISSN International Center, ITU, UN, UNCTAD, UNECE, UNESCO, UPU, WIPO

### ✓ TC46 Subcommittees:

#### **ISO/TC46/SC4      Technical interoperability**

Scope:

Standardization of protocols, schemas, etc., and related models and metadata for processes used by information organizations and content providers, including libraries, archives, museums, publishers, and other content producers.

#### **Working groups under SC4:**

WG 11      RFID in libraries

WG 12      WARC

WG 13      Cultural heritage information interchange

WG 14 Interlibrary Loan Transactions

**Organizations in liaison:**

CE, CIDOC, DCMI, EASE, EC, IAEA, IFSE, ISBN, ISSN International Center, Infoterm,  
OASIS, OECD, UNCTAD, UNECE, UNESCO, WIPO, WMO

**ISO/TC46/SC8 Quality - Statistics and performance evaluation**

Scope:

Standardization of quantitative and qualitative data for the management of information organizations and content providers, e.g., libraries, archives, museums and publishers.

**Working groups under SC8:**

- WG 2 International library statistics
- WG 4 Performance indicators for libraries
- WG 7 Quality measures for national libraries
- WG 8 Statistical data for library buildings
- WG 9 Statistics and quality issues for web archiving
- WG 10 Methods and procedures for assessing the impact of libraries
- WG 11 International museum statistics
- WG 12 International archive statistics

**Organizations in liaison:**

CIDOC, EC, IAML, IFLA, UNESCO

## **ISO/TC46/SC9 Identification and description**

### Scope:

Standardization of information identifiers, description and associated metadata and models for use in information organizations (including libraries, museums and archives) and the content industries (including publishing and other content producers and providers).

### **Working groups under SC9:**

- WG 2 International standard work code (ISWC)
- WG 4 International standard book numbering (ISBN)
- WG 10 International standard book numbering (ISBN)
- WG 11 International standard book numbering (ISBN)
- WG 12 Index and indexing
- WG 13 International library item identifier (ILII)

### **Organizations in liaison:**

AGICOA, CIDOC, CISAC, DOI, EASE, EC, FERA, FIAPE, GS1, IAML, ICSSD, IFLA, IFPI, IFSE, IPA, ISAN, ISBN, ISMN, ISSN International Center, IVE, SMPTE, UNESCO

## **ISO/TC46/SC10 Requirements for document storage and conditions for preservation**

### Scope:

Standardization of requirements for storage and use of documents in libraries, archives and documentation centres, as well as practices related to maintenance and improvement of the conditions of preservation.

- WG 1 Document storage requirements
- WG 2 Evaluation of paper deacidification processes

WG 3 Holdings Management

**ISO/TC46/SC 11 Archives/records management**

Scope:

Standardization of principles for the creation and management of documents, records and archives as evidence of transactions and covering all media including digital multimedia and paper.

**Working groups under SC11:**

WG 1 Metadata

WG 7 JWG on Digital records preservation

WG 8 Records management systems ¿ Fundamentals and Vocabulary

WG 10 Implementation Guidelines for Digitization of Records

WG 13 Revision of ISO 15489-1 and ISO/TR 15489-2

WG 14 Record requirements in enterprise architecture

**Organizations in liaison:**

ICA, IRMT, InterPARES

Rome, August 5<sup>th</sup> 2015

[Paola Manoni, Vatican Library,  
TC46 and TC46/SC9 liaison officer to IFLA]