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ISQ

TOPIC

YEAR IN REVIEW AND STATE OF THE STANDARDS

NISO 2014 YEAR IN REVIEW

TC46 2014 YEAR IN REVIEW

THE FUTURE OF LIBRARY RESOURCE DISCOVERY

STATE OF THE STANDARDS

CYNTHIA HODGSON

TC46

TC46

SC4

SC8

NISO has been the U.S. liaison group for the International Organization for Standardization (ISO) Technical Committee 46 (TC 46) on Information and Documentation for decades. Officially designated by ANSI as the U.S. Technical Advisory Group (TAG) for TC46, NISO submits the U.S. votes and comments on all TC46 standards, based on the ballot results from the U.S. TC46 TAG members. (NISO voting members that are incorporated (or otherwise legally registered) in the U.S. are members of the TAG.)

In 2014, NISO submitted U.S. votes and comments on 16 draft standards, 17 systematic reviews, and 4 new work items. Additionally, comments were provided on 2 standards from other ISO committees that are in a liaison relationship with TC46 and NISO responded to 11 miscellaneous ballots related to convenors, chairs, liaisons, and calls for experts.

This article summarizes the work of TC46 and its five subcommittees during 2014.



YEAR IN REVIEW

SC9

SC10

SC11

TC46

INFORMATION AND DOCUMENTATION

Secretariat: **Association Française de Normalisation (AFNOR)**

Secretary: **Sabine Donnard Cusse**

Chairperson: **Gaëlle Béquet (ISSN International Centre)**

The TC46 plenary meeting was held on May 9, 2014 in Washington, DC.

Systematic reviews underway at the end of 2014:

- » ISO 10754:1996, *Information and documentation – Extension of the Cyrillic alphabet coded character set for non-Slavic languages for bibliographic information interchange*

Projects underway:

- » Revision of ISO 5127, *Information and documentation – Foundation and vocabulary*

- » Revision of ISO 7098, *Information and documentation – Romanization of Chinese*

New work item pending:

- » Revision of ISO 8, *Documentation – Presentation of periodicals*

Maintenance agency updates:

- » 3166 – A new *Terms of Reference* for the maintenance of ISO 3166, *Codes for the representation of names of countries and their subdivisions*, was approved by the TC46 members and the ISO TMB.

Miscellaneous:

- » New TC46 Chair appointed: Gaëlle Béquet, ISSN International Centre
- » New WG 3, *Conversion of written languages*, convener appointed: Peeter Päll, Institute of the Estonian Language, Tallinn

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SC4

TECHNICAL INTEROPERABILITY

Secretariat: **Finnish Standards Association (SFS)**

Secretary: **Kati Heiskanen**

Chairperson: **Juha Hakala (The National Library of Finland)**

The SC4 plenary meeting was held on May 7, 2014 in Washington, DC.

New standards published:

- » ISO 18626:2014, *Information and documentation – Interlibrary Loan Transactions*
- » ISO/TS 28560-4:2014, *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*

Standard revisions published:

- » ISO 10161-1:2014, *Information and documentation – Open Systems Interconnection – Interlibrary Loan Application Protocol Specification – Part 1: Protocol specification (3rd edition)*
- » ISO 10161-2:2014, *Information and documentation – Open Systems Interconnection – Interlibrary Loan Application Protocol Specification – Part 2: Protocol implementation conformance statement (PICS) proforma (2nd edition)*
- » ISO 21127:2014, *Information and documentation – A reference ontology for the interchange of cultural heritage information (2nd edition)*
- » ISO 28560-1:2014, *Information and documentation – RFID in libraries – Part 1: Data elements and general guidelines for implementation (2nd edition)*
- » ISO 28560-2:2014, *Information and documentation – RFID in libraries – Part 2: Encoding of RFID data elements based on rules from ISO/IEC 15962 (2nd edition)*
- » ISO 28560-3:2014, *Information and documentation – RFID in libraries – Part 3: Fixed length encoding (2nd edition)*

Approved, pending publication:

- » Revision of ISO 10160, *Information and documentation – Open Systems Interconnection – Interlibrary Loan Application Service Definition (3rd edition)*

Standards confirmed:

- » ISO 6630:1986, *Documentation – Bibliographic control characters*
- » ISO 8459:2009, *Information and documentation – Bibliographic data element directory for use in data exchange and enquiry*
- » ISO 15836:2009, *Information and documentation – The Dublin Core metadata element set*
- » ISO 20775:2009, *Information and documentation – Schema for holdings information*
- » ISO 23950:1998, *Information and documentation – Information retrieval (Z39.50) – Application service definition and protocol specification*

Systematic reviews underway at the end of 2014:

- » ISO 2146:2010, *Information and documentation – Registry services for libraries and related organizations*

Projects underway:

- » Revision of ISO 28500:2009, *Information and documentation – WARC file format*
- » Joint Working Group with ISO/TC 37/SC 2 to review and revise as needed the ISO 639 Language codes series

Projects on hold:

- » Joint Working Group with ISO/IEC JTC 1/SC 34, to enrich EPUB with long term preservation functionality

New work item pending:

- » Data Exchange Protocol for Interoperability and Preservation

Maintenance agency / registration authority updates:

- » ISIL Registration Authority (Danish Agency for Culture) – The Library of Congress and the Qatar National Library were added as Allocation Agencies.
- » ISO 23950 – This international version of the Z39.50 standard is stable and widely implemented.
- » Dublin Core Metadata Initiative – DCMI is discussing with the SC4 leadership the possibility of issuing a Part 2 to ISO 15836 that will include the extended set of semantic-web-enabled properties and classes.



SC8

QUALITY – STATISTICS AND PERFORMANCE EVALUATION

Secretariat: **Detusches Institute für Normung (DIN)**

Secretary: **Hans-Jörg Wiesner (DIN)**

Chairperson: **Steve Hiller (University of Washington)**

The SC8 plenary meeting was held on May 8, 2014 in Washington, DC.

New standards published:

- » ISO 16439:2014, *Information and documentation – Methods and procedures for assessing the impact of libraries*

Standard revisions published:

- » ISO 11620:2014, *Information and documentation – Library performance indicators (3rd edition)*

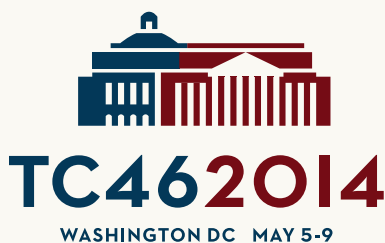
Projects underway:

- » ISO/CD 18461, *Information and documentation – International museum statistics*
- » ISO/NP 19580, *Information and documentation – International archive statistics*

Miscellaneous:

- » DIN has indicated it will be relinquishing the SC8 Secretariat and a call for candidates to take over the Secretariat was issued.

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NISO Hosts 2014 TC46 Meeting Week in Washington, D.C.

The U.S. was the host country of the TC46 Meeting Week in 2014. The American National Standards Institute (ANSI) and the National Information Standards Organization (NISO) hosted the meetings with the support of the Library of Congress and the National Archives and Records Administration. A Gala dinner and reception were held in the Rotunda for the Charters of Freedom at the National Archives for the nearly 200 delegates from more than 40 countries. Archivist of the United States David S. Ferriero introduced keynote speaker Vinton Cerf, one of the key developers of the internet.

Photos from the reception and recordings of the Gala presentations are available at: www.niso.org/international/2014_tc46_meeting/gala_dinner/

SC9

IDENTIFICATION AND DESCRIPTION

Secretariat: American National Standards Institute

Secretary: **Todd Carpenter (NISO)**

Chairperson: **Sam Oh (through May 2014); Stella**

Griffiths, International ISBN Agency (effective January 1, 2015)

The SC9 plenary meeting was held on May 8, 2014 in Washington, DC.

Standard approved, pending publication:

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

Standards confirmed:

- » ISO 4:1997, *Information and documentation – Rules for the abbreviation of title words and titles of publications*
- » ISO 10324:1997, *Information and documentation – Holdings statements – Summary level*
- » ISO 15706-1:2002, *International Standard Audiovisual Number (ISAN) – Part 1: Audiovisual work identifier*
- » ISO 21047:2009, *Information and documentation – International Standard Text Code (ISTC)* [to be discussed further at 2015 plenary due to comments received]

Systematic review decisions pending:

- » ISO 10957:2009, *Information and documentation – International standard music number (ISMN)* [no majority on any position; to be discussed at 2015 plenary]

Projects underway:

- » Revision of ISO 2108, *Information and documentation – International Standard Book Number (ISBN)*
- » Revision to ISO 3901, *Information and documentation – International Standard Recording Code (ISRC)*
- » Revision and possible merger of ISO 999, *Information and documentation – Guidelines for the content, organization and presentation of indexes*, and ISO 5963:1985, *Documentation – Methods for examining documents, determining their subjects, and selecting indexing terms*
- » ISO/NP 20247, *Information and documentation – International library item identifier (ILII)*

Ad hoc work in progress:

- » Identifiers interoperability
- » Registration Authorities

Projects on hold:

- » Revision of ISO 15707, *Information and documentation – International Standard Musical Work Code (ISWC)*

Registration authority updates:

- » DOI (26324) – The 100 millionth DOI was assigned in September 2014 by the Entertainment Identifier Registry. The International DOI Foundation became one of the six

founding Board members of the Linked Content Coalition (LCC), a global consortium to improve the management and communication of online copyright through the effective use of interoperable identifiers and metadata. DOI registration agency (RA) CrossRef has developed FundRef, a system that enables funder information to be deposited with the DOI metadata for a publication. Airiti, the DOI RA in Taiwan has been experimenting with the use of DOI to identify educational content in MOOCs. RAs DataCite and CrossRef announced a collaboration in November 2014 to accelerate the adoption of DOIs for data publication and citation. *The Tenth Anniversary of Assigning DOI Names to Scientific Data and a Five Year History of DataCite* was published in *D-Lib Magazine* (doi: 10.1045/january2015-brase).

- » ISAN (15706) – In January 2014, ISAN-IA released a new version of the ISAN registry API to enable easy and cost effective integration with third parties of information from/ to the ISAN registry. A public web-based lookup service has been added to the ISAN public search to enable easy creation of hyperlinks for public visual resolutions of an ISAN or version ISAN. As of March 2014, the ISAN registry was populated with 920,000 ISAN identifiers. The Korean Film Council (KOFIC) was appointed as an ISAN Registration Agency for South Korea. ISAN Italia organized a conference on *Managing Audiovisual Rights in the Digital Environment*, held in June 2014, to encourage the use of the ISAN. The UK AV Registration Agency was launched by the founders of ISAN UK (International Standard Audiovisual Number) and the Entertainment ID Registry (EIDR) to deliver both EIDR IDs and ISANs, effectively becoming a ‘one-stop shop’ for UK organizations that wish to uniquely identify their audiovisual content.
- » ISBN (2108) – A new International ISBN Agency website and portal was launched in March 2014. The Global Register of Publishers (www.grp.isbn-international.org), consisting of all publisher and prefix data as supplied by national ISBN Agencies, was launched in October 2014. The *ISBN Users’ Manual* was made available in additional translations (13 languages total). National Library of Rwanda was approved as an ISBN Agency.
- » ISIL (17316) – The members of SC9 have approved the International Information Content Industry Association (ICIA) as the Registration Authority for ISO 17316, *International Standard Link Identifier (ISIL)*. ISO TMB approval and contractual agreement were pending at year-end.
- » ISMN (10957) – The International ISMN Agency has joined the Linked Content Coalition (LCC). The Agency issued a recommendation that members vote to revise the ISMN standard when it came up for systematic review to better align the standard with ISO 2108 (ISBN) and allow a possible expansion of ranges.
- » ISNI (27729) – The National Library of France was appointed as an ISNI Registration Agency in 2014 joining the two existing agencies, Ringgold and Bowker. The ISNI database contains

over 8.6 million identities, including 446,000 organizations. An analysis done in May 2014 by Bowker showed that more than 33% of its contributors to *Books in Print* had ISNIs assigned. Bowker also began including the ISNI in ONIX 2.1 data feeds to retailers. ISNI and ORCID signed a Memo of Understanding to further ensure interoperability through linking identifiers and sharing public data.

- » ISSN - Gaëlle Béquet was appointed in March 2014 as the new director of the ISSN International Centre. 57,800 new ISSN were registered between the 2013 and 2014 SC9 plenary meetings. *ROAD: the Directory of Open Access scholarly Resources* (<http://road.issn.org/>) now provides free access to a subset of the ISSN Register of scholarly resources available in Open Access. The German ISSN National Centre began supplying automated feeds to the ISSN International Centre using the OAI-PMH, allowing more frequent and streamlined data updates. The Bibliothèque nationale de France, which contributes to the ISSN Register and is also an ISNI registration agency, announced that beginning in January 2015 it will integrate BnF ISNIs into the ISSN database for a better identification of the issuing bodies of continuing resources.
- » ISRC (3901) - A new ISRC website has been created with extended information resources for ISRC users, and key

guideline documentation on ISRC assignment. Major effort in 2014 has been on the revision of the ISRC standard.

- » ISTC (21047) - EDItEUR is administering and managing the International ISTC Agency. Over 185,000 ISTCs have been assigned. Work has focused on encouraging adoption of the standard.
- » ISWC (15707) - CISAC and BMAT, a technology company specializing in music identification technologies, signed an agreement to integrate the ISWC into Vericast, a global music identification service that monitors millions of songs over radios and televisions across more than 50 countries worldwide.

New liaisons:

- » Category D liaison of Worldwide Independent Network (WIN) with TC46/SC9/WG10, International Standard Recording Code (ISRC), approved by SC9 members; ISO TMB approval pending at year-end.

Miscellaneous:

- » Stella Griffiths (ISBN International Agency) was appointed as the new SC9 Chair from 2015-01-01 to 2017-12-31.



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SC10

REQUIREMENTS FOR DOCUMENT STORAGE AND CONDITIONS FOR PRESERVATION

Secretariat: **Detusches Institute für Normung (DIN)**

Secretary: **Hans-Jörg Wiesner (DIN)**

Chairperson: **Dr. Sebastian Barteleit (Bundesarchives
[Federal Archives], Germany)**

SC10 held three plenary meetings in 2014: on January 17, 2014 in Berlin, Germany; May 8, 2014 in Washington, DC; and September 25, 2014 in Krakow, Poland.

Standards confirmed:

- » ISO 11800:1998, *Information and documentation – Requirements for binding materials and methods used in the manufacture of books*
- » ISO 14416:2003, *Information and documentation – Requirements for binding of books, periodicals, serials and other paper documents for archive and library use – Methods and materials*

Systematic reviews underway at the end of 2014:

- » ISO 16245:2009, *Information and documentation – Boxes, file covers and other enclosures, made from cellulosic materials, for storage of paper and parchment documents*

Projects underway:

- » Revision of ISO 11799, *Information and documentation – Document storage requirements for archive and library materials*
- » Revision of ISO/TR 17068:2012, *Information and documentation – Trusted third party repository for digital records*
- » ISO/NP TS 18344, *Recommendation on methods of validating the success of deacidification processes for printed and handwritten documents*
- » 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*

Miscellaneous:

- » TC46/SC10 liaison representative appointed to an ISO TC6/SC2 ad hoc group developing a new work item proposal for a new standard, *Paper – Requirements for stability for general, graphic applications*



SC11

ARCHIVES AND RECORDS MANAGEMENT

Secretariat: Standards Australia

Secretary: Agnes Simai

Chairperson: David Moldrich (Arrow Energy)

The SC11 plenary meeting was held on May 5 (opening) and May 8 (closing), 2014 in Washington, DC.

New standards published:

- » ISO/TR 18128:2014, *Information and documentation – Risk assessment for records processes and systems*

Standards confirmed:

- » ISO 23081-2:2009, *Information and documentation – Managing metadata for records – Part 2: Conceptual and implementation issues*

Systematic reviews underway at the end of 2014:

- » ISO 22310:2006, *Information and documentation – Guidelines for standards drafters for stating records management requirements in standards*

Projects underway:

- » Revision to ISO 15489-1, *Information and documentation – Records management – Part 1: Concepts and principles*

- » Revision to ISO/TR 15489-2, *Information and documentation – Records management – Part 2: Guidelines*
- » ISO/CD 17068, *Information and documentation – Trusted third party repository for digital records*
- » ISO/DIS 30302, *Information and documentation – Management systems for records – Guidelines for implementation*

Preliminary / ad hoc work in progress:

- » Records management in Enterprise Architecture services
- » Distributed platforms and services
- » Relationships between the ISO 30300 series of standards
- » Records management in relation to open data
- » Implementation guidelines for disposition of records

New liaisons:

- » JTC1 / SC38, Distributed application platforms and services (DAPS)
- » TC176 / SC1, Quality systems

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LINKS

TC46 webpage:

www.iso.org/iso/iso_technical_committee?commid=48750

NISO International Standardization webpage:

www.niso.org/international/

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