

ISO metadata standard update

As presented to the
FGDC Metadata WG
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Topics

- ❖ FGDC Steering Committee endorsement of INCITS/ISO standards
- ❖ Metadata and related standards
- ❖ Standards tracking workbook
- ❖ Questions and contact information

SC endorsement of ISO related standards

- The FGDC Steering Committee ballot to endorse INCITS/ISO 19115-1:2014[2014], Geographic information - Metadata - Part 1: Fundamentals, and INCITS/ISO 19157:2013[2014], Geographic information - Data quality, closed on November 30.
- Voting results: 17 Yes, 0 No; 8 No response

Metadata and related standards

Standard	Information about standard
ISO 19110, Feature cataloguing	<p>ISO 19110:2016 cancels and replaces ISO 19110:2005 + Amendment 1. It defines how to organize feature types that are represented in a digital form into a feature catalogue.</p> <p>ISO 19110:2016 is pending adoption as an American National Standard.</p>
ISO 19111 Spatial referencing by coordinates	<p>This standard describes metadata for a coordinate reference system. Under revision.</p>
ISO 19112, Spatial referencing by geographic identifiers	<p>This standard describes metadata for reference systems that use identifiers other than coordinates, for example, gazetteer, postal code, etc. Under revision.</p>
ISO 19115, Metadata -- Part 1: Fundamentals: Amendment 1	<p>This standard adds a party identifier to contact information and a way to specify the level and extent of the spatial representation type, which is useful especially when multiple types are used. In progress.</p> <p>The FGDC Steering Committee endorsed INCITS/ISO 19115-1:2014[2014].</p>
ISO 19115-2 Extensions for imagery and gridded data	<p>This standard specifies additional metadata elements and schema for imagery and gridded geospatial datasets. In revision.</p>
ISO 19115-3 XML schema implementation of metadata fundamentals	<p>ISO 19115-3:2016 was published on August 12. Pending adoption as an American National Standard.</p>

Metadata and related standards

Standard	Information about standard
ISO 19139:2007 Metadata XML Schema implementation	Self-explanatory
ISO 19139-1 Metadata XML Schema implementation	This standard revises ISO 19139:2007. In progress.
ISO 19139-2:2012, Metadata -- XML schema implementation -- Part 2: Extensions for imagery and gridded data	ISO/TS 19139-2:2012 was confirmed on 2016-06-27. It will be withdrawn when ISO 19115-2 is published.
ISO 19157:2013/CD Amd 1, Geographic information - Data quality	The FGDC Steering Committee endorsed INCITS/ISO 19157:2013[2014].
ISO 19157:2013/CD Amd 1, Geographic information - Data quality – Amendment 1: Describing data quality using coverages	This standard adds a method for describing data quality of geographic information that uses a coverage geospatial type. In progress.
ISO 19157-2 Data Quality XML Schema implementation	ISO 19157-2:2016 was published on November 28. Pending adoption as an American National Standard.

Metadata and related standards

Standard	Information about standard
ISO 19165 Preservation of digital data and metadata	<p>ISO 19165 defines a preservation metadata extension of ISO 19115-1. It defines requirements for long-term preservation of digital geospatial data. Requirements include metadata, provenance, context and other items necessary to fully understand and reuse the archived data. A geospatial archival information package shall be fully self-describing and allow future reconstruction of the dataset without external documentation. In progress.</p> <p>A new project might be an extension to ISO 19165 for Remote Sensing Data and Derived Digital Products.</p>

Standards tracking workbook

Open RFC on the standards tracking workbook from people who work with standards. Questions:

- ❖ Has your agency downloaded it?
- ❖ How has your agency used it?
- ❖ Do you have suggestions for improving its use/effectiveness?

Questions and contact information

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