

About This Standard

Mandated

Standard Identifier ISO 19109:2005

Title of Standard

Geographic information - Rules for application schema, June 23, 2005

Standards History

Introduced to Registry	Date Emerging	Date Mandated	Last Status Update	Last Status Review	Inactive/Retired
2006-06-27	n/a	2006-06-27	2006-06-27	2006-06-27	n/a

Standards Body [ISO](#)

[Broken Link?](#)

URL to Access or Acquire <http://www.ansi.org>

Working Group

Primary Owner Geospatial Intelligence TWG (GWG)

Secondary Interest No Secondary Interest

Service Area GEOINT: Geospatial

KIPs No KIP Found

Standard Applicability

2006-06-27

This standard is applicable to the storage, manipulation, interchange, and exploitation of geospatial intelligence data.

Standard Abstract

2006-06-27

This International Standard (ISO 19109:2005, Geographic information - Rules for application schema) defines rules for creating and documenting application schemas, including principles for the definition of features. The scope of this International Standard includes the following: conceptual modeling of features and their properties from a universe of discourse; definition of application schemas; use of the conceptual schema language for application schemas (Unified Modeling Language (UML) is the exemplar used in the standard); transition from the concepts in the conceptual model to the data types in the application schema; integration of standardized schemas from other ISO geographic information standards with the application schema. The following is outside the scope: choice of one particular conceptual schema language for application schemas; definition of any particular application schema; representation of feature types and their properties in a feature catalogue; representation of metadata; rules for mapping one application schema to another; implementation of the application schema in a computer environment; computer system and application software design; programming.

Profiling Questions

GEOINT: Geospatial • Does the application require access to and/or

model/manipulate items of geospatial information?

Products Incorporating This Standard

None

Relevant Information

Supersedes ISO 19109

Implementation Guidance

None

Standard Selection Criteria

Net-Centric Interoperability

ISO 19109 is one of a suite of standards developed by ISO TC211 to support acquiring, processing, analyzing, accessing, presenting and transferring geographic information in digital/electronic form between different users, systems and locations. This standard is designed to support net- and data-centric access to items of geospatial information.

Technical Maturity

ISO 19109 was developed over a period of several years on the basis of existing information systems technology. The Final Draft International Standard (FDIS) was completed in November 2003. The International Standard was published in June 2005.

Public Availability

ISO 19109 is available through the American National Standards Institute (ANSI) at <http://webstore.ansi.org/> in PDF format for \$146.00.

Implementability

This standard specifies rules for creating and documenting application schemas, including principles for the definition of geospatial features and their properties. Technology appropriate for implementing geospatial application schemas is well established.

Authority

This standard was published by the International Organization for Standardization (ISO) as an International Standard.

Standard Type Non-Military

Keywords for Search None