

## About This Standard

Mandated

**Standard Identifier**      **ISO 19110:2005**

**Title of Standard**

Geographic information - Methodology for feature cataloguing, 11 February 2005

**Standards History**

Introduced to Registry	Date Emerging	Date Mandated	Last Status Update	Last Status Review	Inactive/Retired
2008-04-03	n/a	2008-04-03	2008-04-03	2008-04-03	n/a

**Replaced**      [ISO 19110](#)

**Standards Body**      [ISO](#)      [Broken Link?](#)

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

**Working Group**

**Primary Owner**      Geospatial Intelligence TWG (GWG)  
**Secondary Interest**      Messaging Format/Symbology TWG

**Service Area**      GEOINT: Geospatial

**KIPs**      No KIP Found

**Standard Applicability**

**2008-03-27**

This standard is applicable to the storage, manipulation, interchange, and exploitation of geospatial intelligence data. By documenting standardized collections and presentations of feature type information (metadata) net-centric data sharing and interoperability is facilitated.

**Standard Abstract**

**2008-03-27**

This standard defines a methodology for cataloging feature types. Feature types are abstractions of real world phenomena (e.g., roads, rivers, waves, wrecks, and winds). This standard may be used as a basis for defining the universe of discourse being modeled in a particular application, or to standardize general aspects of real world features being modeled in more than one application. This standard specifies how the classification of feature types is organized into a feature catalogue and presented to the users of a set of geospatial data. This standard is applicable to creating catalogs of feature types in previously uncataloged domains and to revising existing feature catalogs to comply with standard practice.

**Profiling Questions**

**GEOINT: Geospatial**

- Does the application require access to definitions or descriptions of items of geospatial information?

**Products Incorporating This Standard**

This standard is supported and use by multiple International and National geospatial data production organizations including the International Hydrographic Organization, the International Civil Aviation Organization, the Digital Geospatial Information Working Group (DGIWG), the National Center for Geospatial Intelligence Standards (NCGIS), and the Multinational Geospatial Coproduction activity.

### **Relevant Information**

This citation authored by the GWG Application Schemas for Feature Encoding (ASFE) Focus Group.

### **Implementation Guidance**

This standard complements other DISR standards and is the basis for documenting and disseminating the NSG Entity Catalog (NEC), a current Mandated DISR standard.

### **Standard Selection Criteria**

#### **Net-Centric Interoperability**

ISO 19110:2005 is one of a suite of standards developed by ISO TC211 to support acquiring, processing, analyzing, accessing, presenting and transferring geospatial information in digital/electronic form between different users, systems and locations. This International Standard specifies how the classification of feature types is organized into a feature catalog and presented to the users of a set of geospatial data. This International Standard is applicable to creating catalogs of feature types in previously uncataloged domains and to revising existing feature catalogues to comply with standard practice. Standardized collections and presentations of feature type information (metadata) facilitate net-centric data sharing and interoperability.

#### **Technical Maturity**

ISO 19110:2005 was developed over a period of several years on the basis of existing geographic information systems technology. It has been adopted by ANSI as an American National Standard. It replaces the DISR citation of ISO 19110 as the mandated standard

### **Public Availability**

ISO 19110:2005 has been adopted as an American National Standard and is available from <http://webstore.ansi.org/RecordDetail.aspx?sku=INCITS%2fISO+19110-2005> in PDF format for \$30. This standard is also available for purchase from ISO at: [http://www.iso.org/iso/iso\\_catalogue/catalogue\\_tc/catalogue\\_detail.htm?csnumber=39965](http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=39965)

#### **Implementability**

This standard defines a conceptual model, specified in the Unified Modeling Language (UML). It has been implemented by multiple National Bodies and Organizations, including implementation at the National Center for Geospatial Intelligence Standards (NCGIS) as their basis for documenting and disseminating the NSG Entity Catalog (NEC), a DISR mandated standard.

### **Authority**

Published by the International Organization for Standardization (ISO) as an International Standard and adopted by the American National Standards Institute as an American National Standard.

**Standard Type**            Non-Military

**Keywords for Search**    None