

## About This Information/Guidance Document

**Current Status** *I/G-Active*

**Standard Identifier** ISO 19113:2002

### Title of Standard

Geographic information -- Quality principles

### Standards History

Date Active	Date Inactive
2007-02-27	n/a

### Standards Body

[ISO](#)

[Broken Link?](#)

### URL to Access or Acquire

<http://www.ansi.org>

### Standard Applicability

#### **2007-02-27**

This International Standard is applicable and provides guidelines to data producers for describing the quality of their data; the quality information may be used by data users attempting to determine whether or not specific data is of sufficient quality for their particular application. This standard along with ISO 19114 Quality evaluation procedures:2002 and ISO/TS 19138:2006 Data quality measures provides for the quality guidelines and details on describing quality of their data for geospatial datasets.

### Standard Abstract

#### **2007-02-27**

One of the main objectives of this family of standards is to enable geographic data to be shared and widely available in and across application domains. As this objective becomes realized it will increasingly be important to data users to determine fitness for use. This International Standard provides guidelines to data producers for describing the quality of their data; the quality information may be used by data users attempting to determine whether or not specific data is of sufficient quality for their particular application. Two components of data quality are identified. Data quality overview elements providing informative non-quantitative information that may be subjectively evaluated, and data quality elements providing quantitative quality information that reports how well a dataset meets the criteria set forth in its product specification. Data quality elements include the quality components of completeness, logical consistency, positional accuracy, temporal accuracy, thematic accuracy and allow for the creation of additional user defined components. Each component is comprised of several aspects called data quality sub-elements. Data quality information for each data quality sub-element is reported in several parts, including a data quality scope, data quality measure, data quality evaluation procedure, data quality result, data quality value domain, and data quality date. The metadata schema given in ISO 19115 is the mandatory method for reporting data quality information.

### Products Incorporating This Standard

None

### Relevant Information

Citation authored by the GWG Metadata Focus Group.

### Implementation Guidance

ISO/TS 19138: 2006 Data quality measures provides for the implementation requirements of this standard

### **Standard Selection Criteria**

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

This standards (in conjunction with other ISO TC 211 standards) will form the basis for the interchange and distribution of future geospatial intelligence data. Specifically ISO 19114 and ISO/TS 19138: 2006 Data quality measures. ISO 19113 is additionally complimentary to ISO 19115 w/corrigendum - Metadata Standard.

#### **Technical Maturity**

This is a mature International Standard. Drafts of this standard were reviewed by experts from a number of nations, and the standard was approved by multiple national standards bodies, including the USA (ANSI).

#### **Public Availability**

This standard is publicly available, in either hardcopy (paper) or softcopy (PDF) form, from the International Standards Organization and/or ANSI.

#### **Implementability**

Although this standard itself is an abstract standard, the ISO implementation of quality is ISO/TS 19138 , to which this standard is complimentary.

#### **Authority**

This is an International Standard, published by the ISO (International Organization for Standardization).

**Standard Type**                      Non-Military

**Keywords for Search**              None