

## About This Standard

Mandated

**Standard Identifier** ISO/TS 19138:2006

**Title of Standard**

Geographic information -- Data quality measures, 22 November 2006

**Standards History**

Introduced to Registry	Date Emerging	Date Mandated	Last Status Update	Last Status Review	Inactive/Retired
2007-02-27	n/a	2007-02-27	2007-02-27	2007-02-27	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** DoD Intelligence

**Service Area** GEOINT: Geospatial

**KIPs** No KIP Found

**Standard Applicability**

**2007-02-27**

This International Technical Specification is applicable for implementing the data quality measures required when evaluating the quality of geographic datasets and assessing their fitness for their intended purpose, additionally it and allows for the reporting of quality evaluation results. This standard along with ISO 19113 Quality Principals:2002 and ISO/TS 19114:2002 Quality evaluation procedures provides for the Quality assessment and reporting for Geospatial datasets.

**Standard Abstract**

**2007-02-27**

This Technical Specification defines a set of measures for the data quality sub-elements identified in ISO 19113: 2002 Geographic information - Quality principles. A registry of data quality measures will be established, to include for each measure, a name, possibly alternative names, the referring data quality subelement, an identifier, a definition and a description, and if required parameters. The measures will be applicable when evaluating the quality of geographic datasets and assessing their fitness for their intended purpose. Multiple measures will be defined for each data quality sub-element, and the choice of which to use will depend on the type of the data and its intended purpose.

**Profiling Questions**

**GEOINT: Geospatial**

- Is a registry of data quality measures being established, to include for each measure, a name, possibly alternative names, the referring data quality sub-element, an identifier,

a definition and a description, and if required, parameters?

### **Products Incorporating This Standard**

This is a new standard and Implementation Profiles are being developed by FGDC, ESRI, Intergraph, and OGC all of who are developing implementations of the standard.

### **Relevant Information**

This citation was authored by the GWG Metadata Focus Group.

### **Implementation Guidance**

ISO/TS 19138 is among a suite of geospatial standards developed by ISO TC 211 widely used by the geospatial community. The objective is to promote a common suite of geospatial standards to assist the geospatial community in developing interoperable and harmonized functions.

### **Standard Selection Criteria**

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

This Technical Specification (in conjunction with other ISO TC 211 standards) will form the basis for the interchange and distribution of future geospatial intelligence data. Specifically ISO 19113 and ISO 19114 which are complimentary standards and ISO 19115: 2003 Metadata with Corrigendum provide the essential elements for implementing quality measures.

#### **Technical Maturity**

This is a mature International Technical Specification. 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). Additionally Implementation Profiles are being developed by the OGC, FGDC, and ESRI.

#### **Public Availability**

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

#### **Implementability**

The Technical Specification is widely accepted and used by multiple Geospatial organizations and organizations such as the FGDC, ESRI, Intergraph, and OGC all of who are developing implementations of the standard.

#### **Authority**

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

**Standard Type**            Non-Military

**Keywords for Search**            None

