

About This Standard

Mandated

Standard Identifier ISO 19115:2003 w/ ISO 19115 Cor. 1:2006

Title of Standard

Geographic information -- Metadata, 8 May 2003, with Technical Corrigendum 1, 5 July 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	2007-11-06	n/a

Replaced [ISO 19115:2003](#)

Standards Body [ISO](#) [Broken Link?](#)
URL to Access or Acquire <http://www.ansi.org>

Working Group

Primary Owner Geospatial Intelligence TWG (GWG)
Secondary Interest Business

Service Area GEOINT: Geospatial

KIPs No KIP Found

Standard Applicability

2007-02-27

This International Standard is applicable to: the cataloguing of datasets, clearinghouse activities, and the full description of datasets; geographic datasets, dataset series, and individual geographic features and feature properties.

Standard Abstract

2007-11-08

This International Standard defines the schema required for describing geographic information and services. It provides information about the identification, the extent, the quality, the spatial and temporal schema, spatial reference, and distribution of digital geographic data. For systems implementing the Department of Defense Discovery Metadata Specification (DDMS), the ICISM Data Element Dictionary v2.0.3, and the Dublin Core Metadata element Set, reference the "National System for Geospatial Intelligence (NSG) Geospatial Core Metadata Profile, v1.0, August 2007" which establishes the necessary full set of metadata to satisfy geospatial needs.

2007-02-27

This International Standard defines the schema required for describing geographic information and services. It provides information about the identification, the extent, the quality, the spatial and temporal schema, spatial reference, and distribution of digital geographic data.

Profiling Questions

GEOINT: Geospatial

- Does your system require an International Standard that provides a clear procedure for the description of digital geographic datasets so that users will be able to determine whether the data in a holding will be of use to them and how to access the data?

Products Incorporating This Standard

None

Relevant Information

This citation was authored by the GWG's Metadata Focus Group.

Implementation Guidance

ISO 19115 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. For systems implementing the Department of Defense Discovery Metadata Specification (DDMS), the ICISM Data Element Dictionary v2.0.3, and the Dublin Core Metadata element Set, the "National System for Geospatial Intelligence (NSG) Geospatial Core Metadata Profile, v1.0, August 2007" establishes the necessary full set of metadata to satisfy geospatial needs.

Standard Selection Criteria

Net-Centric Interoperability

ISO 19115:2003 - Geographic Information - Metadata along with ISO 19115 Metadata - Technical Corrigendum 1: 2006, (in conjunction with other ISO TC 211 standards) form the basis for the interchange and distribution of future geospatial intelligence data. The technical corrigendum is correcting errors that have been detected as ISO 19115 has been implemented.

Technical Maturity

This is a technically mature and stable International Standard. Drafts of this standard were reviewed by experts from a number of nations, and the standard was approved through a consensus activity by multiple national standards bodies, including the USA (ANSI). The base standard was published in 2003. Its technical corrigendum corrects errors that have been detected as ISO 19115 has been implemented.

Public Availability

This standard is publicly available, in either hardcopy (paper) or softcopy (PDF) form, from the International Standards Organization and/or ANSI. Use of this Standard with the Department of Defense Discovery Metadata Specification (DDMS), the ICISM Data Element Dictionary v2.0.3, and the Dublin Core Metadata element Set is documented in the "National System for Geospatial Intelligence (NSG) Geospatial Core Metadata Profile, v1.0, August 2007", which is freely available via the Geospatial Intelligence Standards Working Group web site at www.gwg.nga.mil.

Implementability

The standard is widely accepted and used by multiple Geospatial organizations and organizations such as the FGDC, ESRI, Intergraph, and OGC all of who have developed 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