

## Introduction

This proposal provides documentation needed to obtain FGDC recognition of the ISO 19115-1:2014 Geographic information -- Metadata -- Part 1: Fundamentals standard. The recognition level sought for this standard will be FGDC Endorsement as described in the [FGDC Policy on Recognition of Non-Federally Authored Geographic Information Standards and Specifications \(November 2005\)](#).

The following information responds to the specific questions outlined per Section V.1 of the FGDC Policy and will be submitted to the FGDC Standards Working Group for consideration.

## Documentation

a. The category of the standard or specification (per Section III).

[International Organization for Standardization \(ISO\) published standards – standards developed through the ISO standards process.](#)

b. The proposed level of FGDC recognition (per Section IV).

[Endorsement, with concurrent](#)

- [Maintenance of ISO 19115:2003 Geographic information – Metadata for legacy purposes](#)
- [Maintenance of ISO 19115:2003/Cor 1:2006 for legacy purposes](#)

c. A discussion of the applicability of the proposed standard or specification in Federal geospatial activities, including discussion of the conditions where it should be employed and anywhere it should not be, i.e., provide the scope of Federal geospatial applicability of the standard or specification.

[The ISO 19115-1:2014 Geographic information -- Metadata -- Part 1: Fundamentals standard supports the development of geospatial metadata that provides information about the identification, the extent, the quality, the spatial and temporal aspects, the content, the spatial reference, the portrayal, distribution, and other properties of digital geographic data and services. Also, it defines the minimum set of metadata required to serve most metadata applications \(data discovery, determining data fitness for use, data access, data transfer, and use of digital data and services\). Many Federal agencies maintain and manage geospatial data and geographic information systems \(GIS\) and are required to develop metadata as outlined in \[Executive Order 12906\]\(#\) and \[OMB Circular A-16, revised \\(2002\\)\]\(#\) to support the National Spatial Data Infrastructure \(NSDI\).](#)

d. The specific reason(s) that the standard or specification would be of value to the Federal government and, if applicable, to other members of the FGDC. These should include, but not be limited to, identification of the specific FGDC subcommittee(s) and/or working group(s) whose members support the submission of the standard or specification and how it benefits its/their responsibilities.

[The FGDC Metadata Working Group \(MWG\) supports the submission of the standard because it furthers the MWG's efforts to promote NSDI principles through the implementation of geospatial metadata and other related semantic and structural \(e.g., non-geospatial\) metadata standards established by Federal,](#)

National and International Standards organizations by promoting the documentation, discovery, and reuse of geospatial data resources. Using this standard will enable users with the ability to determine whether the data in a holding will be of use to them and how to access the data. By establishing a common set of metadata terminology, definitions and extension procedures, this standard promotes the proper use and effective retrieval of geographic data.

This is a revision of ISO 19115:2003 Geographic information – Metadata and includes many additional elements that add value to the standard being proposed for endorsement including:

- Services metadata added from ISO 19119:2005
- Feature catalog included (physically or by link)
- Responsible party restructured to enable reuse for different roles
- Identifiers managed consistently
- Related attributes grouped using specified classes e.g., Hierarchy level and hierarchy name/ Metadata scope and metadata description
- Other elements added/improved

e. Any restrictions, limitations, or other constraints that may affect promulgation and/or adoption and/or implementation of the standard or specification, e.g., copyright, license fees, restriction of applicability to a specific technology, and the like. The FGDC staff will negotiate with standards organizations to make an attempt to acquire free standards documents for FGDC members.

ISO standards incur a cost that varies with each standard and in this case is \$212 US dollars. However, through the US standards process, the American National Standards Institute (ANSI) offers the INCITS/ISO 19115-1:2014[2014] version for \$133 US dollars.

f. The name and business addresses of a point-of-contact (POC) in the proposing or sponsoring FGDC member agency and, if applicable, the name and business addresses of a POC in the proposing non-Federal body.

Jennifer Carlino  
FGDC Metadata Coordinator  
Chair, Metadata Working Group  
Federal Geographic Data Committee  
Core Science Systems  
U.S. Geological Survey  
U.S. Department of the Interior  
Phone: 303-202-4260  
[www.fgdc.gov](http://www.fgdc.gov)

g. Identification and/or explanation of the process by which the proposed standard or specification was developed and reviewed. This information will support FGDC determination as to whether the process meets the criteria for a voluntary consensus standards process as defined in OMB Circular A-119. When

accredited standards development bodies such as ISO, ANSI/INCITS, and NIST are the authors only their identity need be supplied. Otherwise, a description of the development and review process and a list of participants must be included.

[ISO 19115-1:2014 Geographic information -- Metadata -- Part 1: Fundamentals standard was developed through the ISO standards process.](#)

DRAFT