

GUIDELINES FOR LOUISIANA DIGITAL GEOSPATIAL METADATA

SUMMATION OF ALL METADATA GUIDELINES/PROCESURES/RESOLUTIONS OF THE LGISC

Introduction

Given the importance for accurate and up-to-date digital geospatial metadata, the Louisiana Geographic Information Systems Council (LGISC) has published a number of requirements necessary to meet the needs of the Louisiana Required Metadata Standard for digital geospatial metadata. The information provided below represents a concise record of those recommendations, guidelines, and resolutions of the LGISC.

Who Should Use This Document?

This document should be utilized by all Louisiana state agencies responsible for the creation of digital geospatial metadata. Because the LGISC is represented by a considerable portion of Louisiana's Geospatial Community, all Louisiana public and/or private agencies and organizations can benefit from the guidelines spelled out below.

History of the Louisiana Metadata Content Standards:

In 1996, the LGISC passed a motion to adopt the FGDC geospatial data standard (1994 edition) as Louisiana's metadata standard. In a comparison between the FGDC and Louisiana standards, discrepancies were identified with relation to scale. However, these differences were resolved by the 1998 edition of the FGDC metadata content standard (LGISC-RC-19960613-00).

In 1998, the LGISC passed a resolution to require digital geospatial metadata be created by all state agencies that are responsible for the creation, development, and/or distribution of digital geospatial data (LGISC-RS-19980924-00).

A year later, the LGISC addressed problems relating to data lineage. It had become clear that a number of datasets of the same name (but with differences in publication, accuracy, and content) were being distributed within the public domain. In order to address the issues, the LGISC produces guidelines for Data Lineage (LGISC-G-19990818-00).

As the demand for geospatial data increased, discussion focused on the concept of "blessed" or some form of officially sanctioned digital geospatial data. While confronting the legal aspects of such a strategy, the LGISC developed a procedure in which an agency can develop and distributed "Formally Recognized" digital geospatial datasets (LGISC-RC-20001115-00).

For more information...

Additional information and resources are available through the LGISC and the Louisiana Geographic Information Center (LAGIC). For more information about metadata, its creation and distribution, visit the following web sites:

<http://www.state.la.us/lgisc> - LGISC web site

<http://lagic.lsu.edu/> - LAGIC website

GUIDELINES

The LGISC has established through a series of guidelines, resolutions, and policies the following standards necessary for Louisiana digital geospatial metadata:

- Must follow Federal Geographic Data Committee's Content Standard for Digital Geospatial Metadata whenever applicable (LGISC-M-19960613-00, LGISC-RC-19960613-00, <<http://www.fgdc.gov>>);
 - *Intended Scale of Use* (LGISC-MISC-19960613-00).
 - Recommendations to include statement in the Use Constraints of the CSDGM.
- Must be accompanied by the LGISC recognized additional metadata requirements;
 - *Data Lineage* (LGISC-G-19990818-00):
 - **Adjusted Data**

Definition - Data created from a single GIS data source and adjusted to a new geographic representation. This data may include some minor data edits, but data content remains the same.

Agencies will fully document the source, lineage, and processing history of their data as required by the state Metadata Resolution (1998) and reference the source data provider in the *TITLE* and *ORIGINATOR* fields. For example: *TITLE*: Louisiana Watershed Basin-Subsegments, Geographic NAD83, LOSCO (source LDEQ) (1998) [hydgeog3dpbsn] *ORIGINATOR*: Louisiana Oil Spill Coordinator's Office (source LDEQ)
 - **Adapted Data**

Definition - Data created from a single GIS data source and re-organized to produce new data categories, symbology, or other form of representation. May include some spatial operations such as buffer zones but contains no true analysis or added scientific knowledge.

Agencies will fully document the source, lineage, and processing history of their data as required by the state Metadata Resolution (1998) and reference the source data provider in the *ORIGINATOR* fields. For example: *ORIGINATOR*: Louisiana Oil Spill Coordinator's Office (source LDEQ)
 - **Derived Data**

Definition - Data created from any number of GIS data sources and subjected to true spatial analysis including, but not limited to, change detection, pattern analysis, network analysis, cartographic algebra, or spatial statistics. May include data sets significantly altered based upon the integration of scientific knowledge.

Agencies will fully document the source, lineage, and processing history of their data as required by the state Metadata Resolution (1998).
- Must be accessible in the Louisiana public domain (LGISC-RC-19960125-00, LGISC-RC-20001115-00);
- Be available for distribution by the custodial agency or its designee via state government department websites (LGISC-RC-19960125-00, LGISC-RC-20001115-00);
- Must be updated as specified in the metadata by the custodial agency (when applicable) (LGISC-RC-19960125-00, LGISC-RC-20001115-00, LGISC-MISC-20020215-00);
- And must have a topologically consistent spatial structure and a properly attributed database (LGISC-RC-20001115-00).