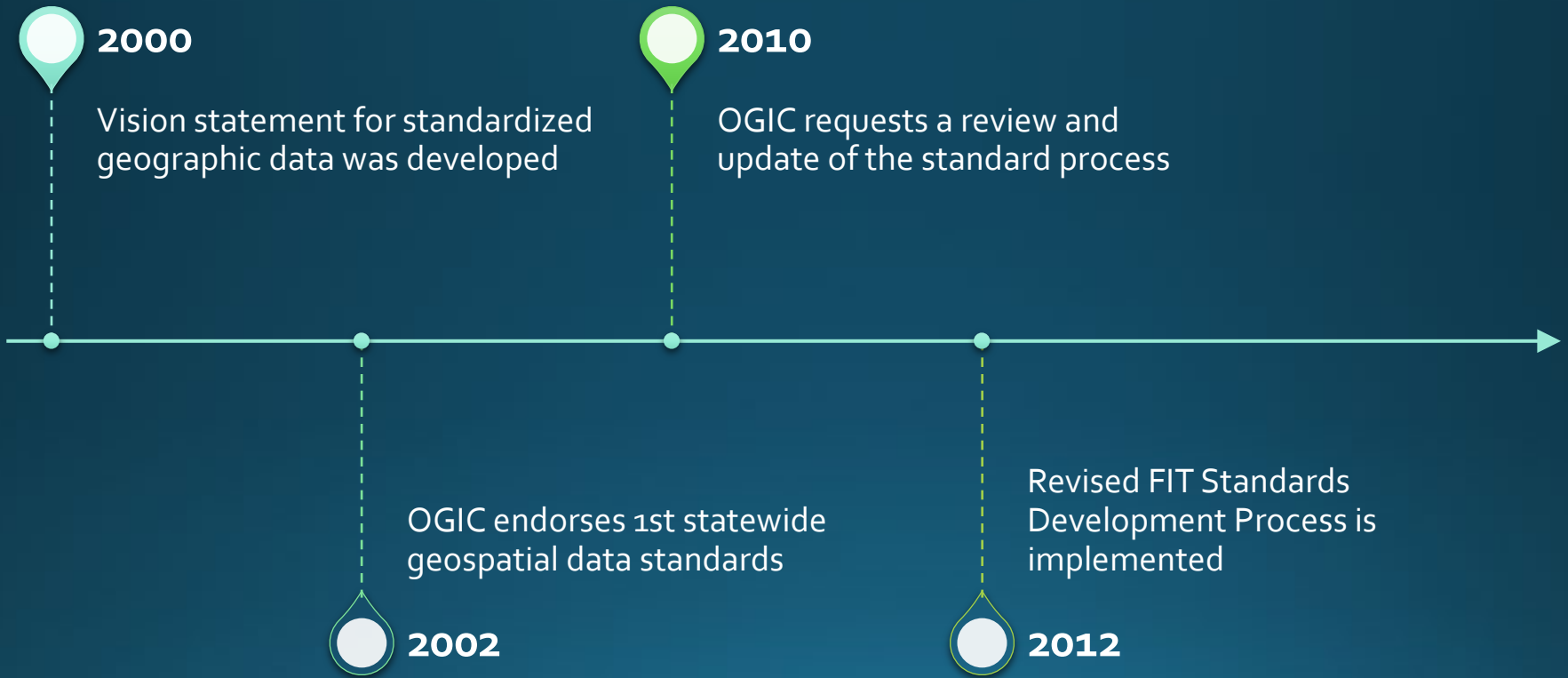


Framework
Fall Forum

October 25th, 2022

Data Standards Template

Data Standards History



Great, we have a process in place.... ...what's the issue?

The known:

- Standards Development and Endorsement Process
- Technical and Operational Context
- Format Guidance

The Issue:

- Formatting and Content Inconsistency
- Quality of Current Template
- General Standardization

Title Page

Introduction

Mission and Goals of Standard

Relationship to Existing Standards

Description of Standard

Applicability and Intended Use of Standard

Standard Development Procedures

Participants

Comment Opportunities and Reviews

Maintenance of the Standard

Body of the Standard

Scope and Content of the Standard

Need for the Standard

Participation in Standards Development

Integration with Other Standards

Technical and Operational Context (elements included as appropriate)

Data Environment

Reference Systems

Global Positioning Systems

Integration of Themes

Encoding

Resolution

Accuracy

Edge Matching

Feature Identification Code

Attributes

Transactional Updating

Records Management

Metadata

Other Topics (optional)

Data Characteristics

Minimum Graphic Data Elements

Minimum Attribute or Non-graphic Data Elements

Optional Graphic Data Elements

Optional Attribute or Non-graphic Data Elements

References

Appendices

New Data Standard Template

[Framework Data Element] Data Standard Version [x.x] [Month] [Year]

Endorsed by the Oregon Geographic Information Council [Month] [Year]

Revision History:

Original Draft Written by [Author Name and Agency Name]

[Version x.x] revised based on [FIT work group name]

[Version x.x] revised based on [GIS community comment]

[Version x.x] revised based on [Advisory Group comment]

For questions about this data standard, contact:

[Steward Agency Name]

[Email of Agency]



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1.0 INTRODUCTION

Overview of the data element and data standard procedures.

Examples from other data standards:

"Under the direction of the Oregon Geographic Information Council (OGIC), the Oregon Framework Program provides the structure through which the development of new, statewide GIS data are created, documented, and stewarded. In 2015, the Framework Implementation Team leaders reviewed and prioritized the data elements in the Framework program. This prioritization ranked the statewide land use data layer as a high priority dataset. While this dataset is not a foundational element, it will be valuable to many state agencies and is a key data element for the Land Use Land Cover Framework theme. A statewide land use dataset was created to represent the many ways land is currently used. There are several related datasets that are often used as surrogates for land use: zoning data represents how land is allowed to be used as dictated by local jurisdictions; and comprehensive plan data are used to represent a community's long-term vision of how and where land will be developed over the next 20 years to accommodate expected population and job growth. The statewide land use data..."

"The Oregon Geographic Information Council (OGIC) oversees preparation of geospatial data standards for the state. The development of these standards facilitates the sharing of geospatial data and assists with cooperative data development efforts. OGIC assigned a framework implementation team (FIT) to guide the development of standards for the various data themes, and separate framework work groups are developing standards for each theme. The Hazards Framework is a collection of spatially referenced digital representations of potential natural hazards. Data elements in the Hazards Framework include channel migration, coastal erosion, earthquakes, debris flows, drought areas, dust storm occurrences, flooding, landslides, volcanic hazards, wildfire, and tsunami inundation. Under the direction of the Oregon Geospatial Enterprise Office (GEO), the Oregon Department of Geology and Mineral Industries (DOGAMI) was tasked with developing a Tsunami Hazard Data Standard (THDS) to accompany the dataset. The focus of the THDS is to develop a consistent framework to allow for the systematic processing, storage, display and public access of a wide variety of tsunami parameters including the earthquake deformation models used..."

1.1 MISSION AND GOALS OF THE STANDARD

Statement regarding the mission/purpose of the data standard and what will be achieved via use of the standard.

Examples from other data standards:

"The Oregon THDS provides a consistent and maintainable structure for data producers and users to ensure the compatibility of datasets within the same framework feature set. The following goals influenced development of this standard:

- *Foster the orderly development, sharing and maintenance of tsunami modeling data and associated derivative products that are being generated by DOGAMI and potentially others..."*

"The SLUDS provides a structure for aggregating county tax lot data into a single, statewide land use classification hierarchy. It leverages work currently performed by local governments while also encouraging consistent application of

features. Attributes are X, Y and Z coordinates at a minimum, but may also include pulse number, return number, intensity, flight line number, scan angle, GPS time and feature class.

Associated characteristics are any of the additional information that is collected and shared in relation to point cloud data. See Section 3 for the specification of minimal characteristics.”

“A full description of the data attributes can be found in section 3.1. The feature data types are lines, points, and polygons.”

2.5.10 Transactional Updating

Detail the plan for these data to be updated and responsible parties for these updates.

Examples from other data standards:

“Transactional updating for applicable data layers will be possible. The applicable data layers will have periodic updates and will be hosted at the Department of Geology and Mineral Industries.”

“The update process for the data produced following this standard is the responsibility of the local jurisdictions, the Oregon Department of Revenue for collection, and the data steward for statewide compilation. While the data at the local level is updated regularly, annual updates are sent to DOR and other state agencies. Once the crosswalks are built for each county, future updates of the dataset should be less intensive. At this time, data produced using this standard are not expected to be updated on a regular or annual basis due to a lack of stewardship resources.”

2.5.11 Records Management

Describe where the data standards will be hosted or stored. Provide detailed information if these will be available to the public, versioned releases, or other relevant information related to management.

Examples from other data standards:

“The SLUDS will be stored with other Oregon Framework standards. The geospatial data created using this standard will be made available to the public through standard means such as online data services or data downloads provided by state, federal or university organizations. Past published versions of the statewide land use data will be maintained by the data steward and available for retrieval through a public records request.”

“Past versions of Tsunami data will be maintained and available for retrieval through versioned releases hosted by the Horizontal Steward.”

2.5.12 Metadata

State what metadata standard these data follow. Federal Geographic Data Committee (FGDC), or the [Oregon Metadata Standard](#)? Provide website link if necessary or other important reference information.

Examples from other data standards:

“The standard follows the Oregon Framework Metadata Standard for geospatial [data](#) which is integrated with the Federal Geographic Data Committee, Content Standard for Digital Geospatial Metadata.”

Where to find more information: www.oregon.gov/geo/Pages/standards

Oregon Geospatial Enterprise Office

Oregon GIS data standards and best practices

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OGIC Endorsed Data Standards




Address Points:

- [FGDC standards](#)
- [NENA Civic Location data Exchange Format \(CLDXF\) Standard](#) 

Administrative boundaries:

- [Administrative Boundaries Standard, v2.0](#) 
- [Comprehensive Plan Designations Data Standard](#) 
- [Zoning Extension to Administrative Boundaries Standard v1.0](#) 

Bioscience:

- [Oregon Fish Habitat Distribution Data Standard, v4.0](#) 
- [Fish Passage Barrier Standard, v 1.1](#) 
- [Wetland Mapping Standard, v2.1.1](#) 

Cadastral:

- [Oregon Cadastral Data Exchange Standard v3.2 \(updated 2018\)](#) 

Climate:

- [Oregon Climate Data Standard](#) 

Coastal and Marine:

- [Shoreline Access Data Exchange Standard v1.0](#) 

Coordinate system:

Draft Standards for Public Review and Comment

- There are currently no data standards in review.

Draft Standards in Review by OGIC Technical Advisory Committee

- There are currently no data standards in review by the OGIC Technical Advisory Committee.

Standards Development

- [FIT Standard Development Process, v.1.1](#) 
- [Oregon Geodata Compatibility Guidelines](#) 
- [Oregon Data Standard Template](#) 

Forums

- [Framework Forums](#)

