



Geographic Information System Standard

Introduction

This standard specifies software and data standards for State of Oklahoma agencies. The standard describes frameworks and tools included in the state reference architecture. This document and all information contained within are applicable to all State of Oklahoma agencies and partners.

Purpose

The purpose of this document is to describe the state standard for geographic information systems and spatial data. The goal of this standard is to control costs, reduce technical debt and develop the geospatial data community of practice in state government through adoption of standard tools. Developing on common tools and platforms creates shared context for understanding state data and facilitates knowledge transfer between agencies, departments and teams.

Definitions

Geographic information systems – Software and frameworks relating specifically to the physical mapping of data within a visual representation.

Geospatial data – Information that describes objects, events or other features with a location on or near the surface of the earth. Geospatial data typically combines location information (coordinates) and attribute information (the characteristics of the object, event or phenomena concerned) with temporal information (the time or life span at which the location and attributes exist). Geospatial data typically involves large sets of spatial data gleaned from multiple sources.

Standard

ESRI ArcGIS is the standard geographic information system at the State of Oklahoma. Whenever possible, geospatial development, analytics and data should be done with ArcGIS products.

That state has a central portal for governing geospatial data and geospatial data sources.

Compliance

This standard shall take effect upon publication and is made pursuant to Title 62 O.S. §§ 34.11.1 and 34.12 and Title 62 O.S. § 35.8. OMES IS may amend and publish the amended standards policies and standards at any time. Compliance is expected with all published policies and standards, and any published amendments thereof. Employees found in violation of this standard may be subject to disciplinary action, up to and including termination.

Rationale

To coordinate and require central approval of state agency information technology purchases and projects to enable the chief information officer to assess the needs and capabilities of state agencies as well as streamline and consolidate systems to ensure that the state delivers essential public services to its citizens in the most efficient manner at the lowest possible cost to taxpayers.

Revision history

This standard is subject to periodic review to ensure relevancy.

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Approved by: Dan Cronin, Chief Information Officer	