

Development of Common Geospatial Data Standards

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Key words:

SUMMARY

The development of standardized data models for the exchange of commonly-used geographic data themes, known as "Framework" is a requirement for the US NSDI. In support of the Geospatial One-Stop Initiative, one of 24 e-government initiatives in the US, the Federal Geographic Data Committee (FGDC) coordinated the community development of eleven standards for Framework data themes. The standards include an abstract model of information content developed by domain experts as a common set of features, attributes, and values, expressed in the Unified Modeling Language. A companion annex for each standard includes an XML Schema Document that can be used to validate the information content as encoded in Geography Markup Language (ISO 19136.DIS). This presentation will detail the standards development process, issues, and recommendations from the process.

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