FGDC U.S. Road Specification Working Group Update

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What and Why

• Detailing an explicit, comprehensive, and consistent definition of the features and attributes needed to model US Road Data

• The specification will...
  • foster data integration by making road information easier to share
  • Facilitate resource sharing by promoting the data centric development of related technologies
Development Strategy

• Market Driven Standards Development
• Diverse membership from all levels of government and industry
• Consideration of available resources
• Simplicity / Easy Adoption
• Accommodation of Multiple Missions
• Vendor and application independent
USRS Progression

1. Requirements Definition (4/2017)
2. Define Development Strategy (5/2017)
3. Identify Use Cases and Attributes (6/2017)
4. Review Use Cases and Attributes (12/2017)
5. Consider Existing Standards (2/2018)
7. Compare Use Cases and Attributes to ISO14825 (8/2018)
8. Identify Base Features and Version Extensions 1 (1/2019)
Object Oriented Development

• The base specification includes only essential features and attributes
  – Base features must be used by entire community
  – Base attributes must be used in the same way

• Features and attributes not in the base will be included as extensions to the base
Required Features and Attributes
Example Features
Extensions Under Consideration

• Functional Road Class
  • USDOT, USGS, and Census use different functional classification systems
  • Model 3 Classifications Systems?
  • Can a “unified” road classification system be reached
• Address Ranges
• Display Classes
  • Enable Scale Dependent Rendering For Web Mapping
• Feature Level Metadata
  • Authority / Source, Vintage, Accuracy / Resolution
How to Participate

• Membership open to public and private road data providers and consumers
• USRS WG Web Site
Questions?
Thank You!

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