

Federal Geographic Information Committee Geospatial Data Standards List

June 18, 2001

LEGEND

UNDERLINED TEXT = standards currently available for review and comment.

The following report lists current FGDC standards organized by committee. The standards listed below include both standards endorsed by the FGDC and standards currently under development.

BIOLOGICAL DATA

- Biological Data Profile for Metadata
- Biological Nomenclature and Taxonomy Data Standards

CADASTRAL

- Cadastral Data Content Standard

CARTOGRAPHIC

- Geospatial Positioning Accuracy Standard (part 3: Spatial Data Accuracy)
- Content Standard for Framework Land Elevation Data
- Content Standard for Digital Orthoimagery
- Spatial Data Transfer Standard (Raster Profile)
- U.S. National Grid (closes June 22, 2001)

CULTURAL & DEMOGRAPHIC

- Address Content Standard (closes June 22, 2001)
- Governmental Unit Boundary Data Content Standard

FACILITIES DATA

- Facility ID Data Standard
- Geospatial Positioning Accuracy Standard (part 4: Architecture, Engineering, Construction, and Facilities Management)
- Spatial Data Transfer Standard (SDTS) (part 7: Computer-Aided Design and Drafting Profile)
- Utilities Geospatial Data Content Standard

FEDERAL GEODETIC CONTROL

- Geospatial Positioning Accuracy Standards (parts 1 and 2: Reporting & Geodetic Networks)
- Spatial Data Transfer Standard (SDTS) (part 6: point profile)

GEOLOGIC DATA

- Geologic Data Model
- Digital Cartographic Standard for Geological Map Symbolization

GROUND TRANSPORTATION

- NSDI Framework Transportation Identification (closes July 20, 2001)

INTERNATIONAL BOUDARIES

- Geospatial Positioning Accuracy Standard (part 5: navigational charts & hydrographic surveys)
- Metadata Profile for Shoreline Data
- Hydrographic Data Content Standard for Coastal and Inland Waterways

METADATA

- Content Standard for Digital Geospatial Metadata (version 2.0)
- CSDGM Metadata Extensions
- Remote Sensing Metadata (closes August 31, 2001)

REMOTE SENSING

- Content Standard for Remote Sensing Swath Data

SOIL DATA

- Soil Geographic Data Standard

VEGETATION

- Vegetation Classification & Information Standards
- National Standards for the Floristic Levels of Vegetation
- Classification in the United States: Associations & Alliances

WETLANDS

- Classification of Wetlands and Deepwater Habitat
- Riparian Mapping Standard

FGDC Standards are developed in response to OMB regulations that mandate data sharing and adherence to common standards for Federal agencies. They are intended to be national in scope and to go beyond individual agencies and the federal government enterprise. They support national and collective decision-making and applications and are developed jointly by federal, state, and local governments and other interested participants. They are only mandatory for federal agencies. These standards are characterized by:

- Technologically Independent
- Integrated with other Federal Standards
- Evolving
- Supportable by the GIS Community (vendors)
- Publicly available

FGDC Standards are intended to increase interoperability among automated geospatial information systems. A major objective is the eventual development of a national digital spatial information resource, with the involvement of Federal, State, and local governments, and the private sector. This national information resource, linked by criteria and standards, will enable sharing and efficient transfer of spatial data between producers and users. Enhanced coordination will build information partnerships among government institutions and the public and private sectors, avoiding wasteful duplication of effort and ensuring effective and economical management of information resources in meeting essential user requirements.

More information is available at: <http://www.fgdc.gov/standards/standards.html>