	Lead Agency	Programs Supported By This Data	Uses Of This Data	Do You Have A Current Charter/Plan For Collection?	Is Metadata Discoverable Through The NSDI Clearinghouse?
Cadastral Subcommittee	BLM	Coordination of shared initiatives for the management of land and resources. Maintains the cadastral standard.	Collect data to meet individual Agency needs. Cadastral data is a record of legal decision on the land and its resources.	Yes. Based on State driven identification of business needs. Specific plans are being developed that will compliment current I-Team initiatives.	Yes.
Federal Geodetic Control Subcommittee	NGS		Geodetic data provides a common reference system for establishing coordinates for all geographic data.	Yes, there is a charter from 1995.	The following have metadata and are available through the FGDC Clearinghouse: Geodetic Control, Shoreline Data, Calibration Base Lines, Gravity Data and Models, Geoid and Deflection of the Vertical Models, GPS Orbits, Shoreline Data, Aerial Photography
Geologic Subcommittee	USGS	National Cooperative Geologic Map Database. The North American Digital Geologic Map Data Model is an incipient project of the subcommittee	Geologic data form the scientific framework for all investigations of natural phenomena at and below the surface of the Earth.	Collection of geologic data occurs as part of the mission responsibilities of federal, state, and provincial geological survey organizations in the US and Canada.	Printed geologic maps are described with extended bibliographic metadata in the catalog of the National Geologic Map Database. Digital geologic map data, where available, are described using complete FGDC metadata at http://geo-nsdi.er.usgs.gov/
Ground Transportation Subcommittee	BTS	Leads the DOT's effort to develop NSDI Framework standards. BTS is also the lead in a number of efforts to develop or enhance the DOT's GIS capability including the DOT GIS User's Group, National Road Centerline Network project and Web GIS applications.	Uses of the data would include the tying of Highway Performance Monitoring System (HPMS) and National Bridge Inventory (NBI) attributes to a digital National Highway Network.	No, there is not currently a charter but one should be created.	GIS data, distributed by BTS, is in conformance with FGDC metadata requirements. All of BTS's publicly distributed GIS Transportation metadata is available to the general public and is served through the NSDI Clearinghouse.
Marine & Coastal Spatial Data Subcommittee	NOAA	Support Federal, State, and local agencies that have an interest in the U.S. coastal zone and territorial waters.	Used for nautical charting, coastal resource management, environmental monitoring, resource development, legal and jurisdictional issues, ocean and meteorological modeling, and engineering.	Yes. Charter available at: http://www.csc.noaa.gov/fgdc_bsc/overview/charter.htm	

	Lead Agency	Programs Supported By This Data	Uses Of This Data	Do You Have A Current Charter/Plan For Collection?	Is Metadata Discoverable Through The NSDI Clearinghouse?
Soils Subcommittee	NRCS	Assists private landowners in the wise use of natural resources to ensure long-term health of the land.	Determination of highly erodible lands, prime farmlands, wetlands, etc. Data assists FCC in power plant placement and EPA in assessing health of watersheds. Towns and municipalities use the data in their community plans, home placement, transportation networks, etc.	Yes, charter is in need of review.	1,200 soil surveys are in digital form available from the NRCS node.
Spatial Climate Subcommittee	NRCS	Support programs in USDA, DOC, DOD, DOI, CSREES. Programs supported within USDA include NRI, CRP, NCSS.	Data used to assess natural processes, analyze effectiveness of resource management options, assess potential agricultural production, analyze environmental trends, determining local climatology, making natural resource assessments.	Yes, there is a charter that is not in need of updating.	Metadata developed for nearly all climatic themes available.
Subcommittee on Base Cartographic Data	USGS	Support the National Mapping Program. Base cartographic data represent the physical and cultural features of the Earth's surface.	Base cartographic data provides a framework upon which other themes of geographic data can be reference.	Yes, there is a charter that is not in need of updating.	Metadata is encouraged.
Subcommittee on Cultural & Demographic Data	Census	Over $170 billion/year is allocated through federal programs using formulas based on socio-demographic characteristics.	Cultural and demographic data describe people, buildings, economic activities, health facilities, recreational needs and is used by governmental entities to create profiles of the American people.		Census has metadata associated with its public products. Other agencies are assumed to have equal or better metadata.
Subcommittee on Spatial Water Data	USGS	Coordinates spatial water data and information activities among all levels of government and the private sector.	Hydrologic Units are used by many agencies to derive streamflow characteristics, flood forecasts, TMDL's, and other hydrologic models.	The SSWD currently has the revision to the "Federal Guidelines for Delineation of Hydrologic Unit Boundaries" in review.	The datasets are still in development. When complete they will be served through the NRCS Lighthouse node to the NSDI and will be discoverable and metadata compliant.
Vegetation Subcommittee	USDA/FS	Supports vegetation classification, inventory, monitoring, and mapping programs.	Vegetation data provides essential information on commodity resources, wildlife and fisheries habitat, carton sequestration, ecosystem function and health, and societal values.	Yes, there is a charter that will be reevaluated in FY 2002.	20% of USFS vegetation metadata is discoverable through the NSDI Clearinghouse. USGS National Park Vegetation Mapping Program and The GAP Analysis Program have FGDC compliant metadata in the NBII Clearinghouse.

	Status Of This Theme's Standards	FY 2000/2001 Activities	What Is Your Leadership Role With Others Who Use This Data?
Cadastral Subcommittee	The Standard for Cadastral Data approved in 1996 was since updated twice.	Developed National Vision Statement for a National Cadastral Infrastructure, Developed Western Strategy for Cadastral NSDI, Drafting Eastern Strategy for NSDI, upgraded the Content Standard, Completed Cadastral Content Training materials, Developed Draft Training materials for GIS Specialists, WGA Policy Resolutions passed, Data Integration Initiatives in participating agencies, Cadastral Strategy supported by technology vendors like ESRI.	Worked with local and State organizations to establish a National Cadastral Infrastructure. Initiated Statewide planning to support the NSDI. Created a National strategy for the eastern and western regions and have begun implementation.
Federal Geodetic Control Subcommittee	Geospatial Positioning Accuracy Standards, Part 1: Reporting Methodology, Geospatial Positioning Accuracy Standards, Part 2: Standards for Geodetic Networks, Spatial Data Transfer Standard (SDTS) Part 6: Point Profile	Carried out equipment tests for Trimble 5700 GPS Receivers and the Trimble Geomatics Office v1.5 Processing Software in July 2001. Radio interference with GPS test was carried out at the National Institute of Science and Technology. Remote sensing instrument calibration was performed at the airport in Harrisburg, Pennsylvania. On prototypical basis, meteorological equipment was installed at selected Nationwide Differential GPS (NDGPS) sites in order to demonstrate the ability of GPS to measure precipitable water vapor. Establishment of Cooperative CORS, including definition of standards and specifications. Development and operation of On-Line Positioning User Service (OPUS).	NGS chairs the FGCS as well as three of the work groups (Instrumentation, Methodology, and Vertical Reference). FGCS ensures that the Global Positioning System (GPS) will continue to meet the positioning and timing needs of the Federal civilian community and work to strengthen the ties between the GPS positioning and timing communities and their relationships with the navigation communities. This responsibility is being implemented by FGCS through its role as the GPS Interagency Advisory Council (GIAC) to the Department of Transportation Pos/Nav Executive Committee and subsequent reports to the FGDC Steering Committee. In the GIAC role, the membership has been instrumental in influencing GPS modernization, especially in its recommendations regarding selection of the new civil GPS satellite signal frequency.
Geologic Subcommittee	A standard for geologic map symbolization is in review. A data model for digital geologic maps is in early development.		USGS coordinates the development of the National Geologic Map Database as well as closely-allied geoscience databases in geologic hazards, mineral and energy resources.
Ground Transportation Subcommittee	Currently available data is transportation theme. Most current data, which is distributed in a variety of formats, along with metadata are available to the public.	The FGDC Ground Transportation Subcommittee has completed development of a draft of the Transportation Identification Standard. Other projects are: purchase of commercial road network for DOT, entering into agreements with other Federal agencies to develop more specialized data to meet their needs including development of road data for Federal Lands, development of Intermodal Facility database, and conversion of all of the DOT's spatial data into Object Oriented format.	A complete digital highway network database for the US has been purchased, from a private company called GDT. BTS is currently working with USDA Department of Forest Service, USGS, Census, FHWA and others do develop a National Road Centerline file.
Marine & Coastal Spatial Data Subcommittee	The Shoreline Metadata Profile of the Content Standards for Digital Geospatial Metadata. Under Development: Hydrography Data Content Standard for Inland and Coastal Waterways, and Part 5 of the NSDI Positional Accuracy Standards: Hydrographic Data Accuracy Standard	Held four two-day metadata workshops. Published Shore and Sea Boundaries, Volume Three by Michael W. Reed. Changed name from Bathymetric Subcommittee to current name to reach a broader audience. Continued development of a National shoreline database. Continued work an a Shoreline Profile and the Hydrographic Data Content Standard for Inland and Coastal Waterways, and much more!	Promote the coastal and marine aspects of the NSDI.

	Status Of This Theme's Standards	FY 2000/2001 Activities	What Is Your Leadership Role With Others Who Use This Data?
Soils Subcommittee	The Soil Geographic Data Standard has been approved by FGDC	Group was inactive in FY01 but plans to re-activate in FY02 to discuss emerging issues.	Soils Subcommittee has representations covering State, local, Federal, and non-Federal partners.
Spatial Climate Subcommittee	Standards will be addressed Fall 2001, full FGDC metadata standards are protocol for spatial climate data.	Meetings held: Dec. 14, 1999, Oct. 4, 2000, and March 5, 2001	Lead coordinating body for spatial climate data development in Federal and State Agencies.
Subcommittee on Base Cartographic Data	Completed Standards: Content Standard for Digital Orthoimagery, Spatial Data Transfer Standard (SDTS), Spatial Data Transfer Standard (SDTS), Part 5: Raster Profile Extension. Content Standard for Framework Land Elevation Data is under development.	A majority of its tasks were completed prior to January 2000.	USGS is an active member and serves in an executive capacity of numerous organizations including NSGIC, NACo, MAPP, AAG
Subcommittee on Cultural & Demographic Data	The Governmental Unit Data Content Standard, The Address Data Content Standard	Worked on the The Governmental Unit Data Content Standard and The Address Data Content Standard	Input on the development of both standards has been sought from the local, State, Federal, private and academic organizations.
Subcommittee on Spatial Water Data	The SSWD currently has the revision to the “Federal Guidelines for Delineation of Hydrologic Unit Boundaries” in review.	The SSWD chair, USGS, EPA, and NRCS principals have conducted multi-state workshops to help clarify the guidelines and develop a process to accomplish across state agreement in the watershed boundaries being developed by the states.	The USGS/WRD chairs the SSWD and through this committee has led the development of a common WBD guideline that is authored by multiple federal agencies and adopted by the states. We have developed tools and sponsored workshops with the states to allow them to create a consistent WBD.
Vegetation Subcommittee	In FY2002 will complete a report on the implementation of standards by agency.	Vegetation Subcommittee was recently reactivated after several years of quiescence.	Work with the Ecological Society of America and the National Vegetation Classification Panel.

	Major Partnerships	Broad International Participation	Data Sharing Policy	Concerns	Lessons Learned
Cadastral Subcommittee	Partnerships with over 200 agencies and organizations, mostly at the State and local level.	Minimal - engaged with International groups like the Federation Internationale Geometry (FIG).	Developed an interagency agreement to share and integrate cadastral information.	Need a common vision for the NSDI and need local level support. Need common goals for standards compliance and definitions of compliance.	Subcommittee for Cadastral recognized the need and created definitions for different levels of compliance with the Standard.
Federal Geodetic Control Subcommittee	Partnerships with: California Spatial Reference Center, Louisiana Spatial Reference Center, National CORS, Cooperative CORS, GPS Crustal Motion Monitoring, Federal Base and Cooperative Base Geodetic Control Networks, Electronic Distance Measuring Instrument Calibration Base Lines, Geodetic Instrument Tests, Remote Sensing Calibration Evaluation Networks	Yes, FGCS engaged with International Association of Geodesy, International Earth Rotation Service, International Federation of Surveyors, International GPS Service for Geodynamics.	Yes.	None.	None.
Geologic Subcommittee	Major partnerships are with the Association of American State Geologists (representing the state geological surveys) and the Geological Survey of Canada.	Yes, Canada has participated.		None.	None.
Ground Transportation Subcommittee	BTS is working closely with the following agencies: US Coast Guard, US Census, NIMA, Military Traffic Management Command, United States Department of Agriculture, Maritime Administration, Federal Transit Agency, and the FHWA.	No.	No.	None.	None.
Marine & Coastal Spatial Data Subcommittee	NOAA, MMS, NIMA, Navy, USACE, North Carolina Center for Geographic Information Analysis, and Florida Marine Research Institute participate on the Subcommittee.	The Subcommittee is not involved in international coordination.	Yes. All information available through the FGDC Data Clearinghouse.	None.	None.

	Major Partnerships	Broad International Participation	Data Sharing Policy	Concerns	Lessons Learned
Soils Subcommittee	Partnerships exist with USFS, BLM, FEMA, USGS. Cooperative efforts exist with all Land Grant Universities. Formal parnerships exist with National Association of Conservation Districts (NACD) to collect soils data.	National Cooperative Soil Survey Program (NCSS) standards are widely used around the world.	No formal policy yet.	The absence of resources focused on geospatial issues may limit progress of the charge of each Lead Agency for their particular data theme.	None.
Spatial Climate Subcommittee	Partnerships with: USDA-NRCS and DOC-NOAA/NCDC for spatial climate data sets. Collaborating with Spatial Climate Analysis Service at Oregon State University.	No.	No formal policy yet.	Base funding for spatial climate development within the Federal government is a significant issue.	None.
Subcommittee on Base Cartographic Data	Partnerships with: Census, USFS, FEMA, DOT, NOAA, EPA, BIA, BLM, FWS, NPS, BoR	USGS has an active international program and works with China, Saudi Arabia, and Antarctica.	Yes.	None.	None.
Subcommittee on Cultural & Demographic Data	Depends upon the individual agency program.	Census participates in ISO/TC 211, where have served as editor for two of the standards and participates as technical experts on others.	Yes.	None.	None.
Subcommittee on Spatial Water Data	Major partnerships are with USGS/ NRCS, EPA, and NOAA.		Yes, according to the Terms of Reference of the ACWI the Subcommittee charter states that the subcommittee is to "facilitate the exchange of information and the transfer of data."	None.	The use of a subcommittee is preferable to having one agency lead the development of guidelines. Having guidelines drafted by a multi-agency group with shared information needs facilitates the buy-in and usefulness of the guidelines.
Vegetation Subcommittee	Work with the Ecological Society of America and the National Vegetation Classification Panel.	Yes. Association for Biodiversity Information and the Ecological Society of America.		What mechanism exists to ensure compatibility among standards promulgated by other FGDC entities relative to vegetation?	None.