

## **FGDC Annual Report to OMB Format for Agency Reports – FY 2004**

The following outline should be used by FGDC Member Agencies (or Bureaus) for their Annual Spatial Data Reports, which will be consolidated by the FGDC and submitted to OMB. Reports **should be brief, using bullets where possible**. Please provide only the information that will be useful for OMB to assess the agencies' achievements and for establishing future direction.

### **Part A**

#### **GENERAL FEDERAL AGENCY RESPONSIBILITIES REPORT (All Agencies)**

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5. Subcommittee or Working Group Participation (Subcommittees or Working Groups your agency is involved with, but does not lead).
  - TVA participates in subcommittee and working groups on a correspondence basis as needed. TVA is participating in the Homeland Security Working group and is co-lead on the FGDC Restructuring Action Team.
6. Strategy: Has your agency prepared a detailed strategy for integrating geographic information and spatial data activities into your business process - in coordination with the FGDC strategy, pursuant to OMB Circular A-16? If yes, briefly describe.
  - TVA has taken several actions to coordinate geospatial data activities, but there is no formally adopted strategy. TVA supports a geospatial metadata clearinghouse node, is collecting metadata according to the FGDC standard, and has an operational Internet site through which we distribute and sell geospatial information. The Internet site [maps.tva.com](http://maps.tva.com) operates from our data base of geospatial metadata. TVA metadata is accessible through the Internet site and Geospatial One Stop. We also have a GIS Coordinating Council that operates on a technical level to coordinate geospatial data issues. All business processes, including those dealing with geospatial data are being documented at TVA.
7. Compliance: How are your spatial data holdings compliant with FGDC Standards? How is your agency involved in Framework Standards development and adoption? Also, please list the FGDC Standards you are using or plan to use in your organization.
  - TVA is using the geospatial metadata standard to document our data sets. TVA developed Digital Raster Graphic's (DRG) according to the USGS

standard. TVA uses commercial standards or national mapping standards whenever possible. For example, we are developing Wetland data according to National Wetlands Inventory standards in a cooperative program with the National Fish and Wildlife Service.

8. Performance Measures: Does your agency have performance measures for spatial data activities? If so, please list the measures and target and describe how they contribute to development of the NSDI.
  - TVA does not have formal performance measures with target objectives tied to geospatial data activities. We do however track the number of projects for which metadata has been prepared. This contributes to the development of the NSDI by increasing the number of projects documented and publicized. By creating an audit of the percentage of projects that are being documented, poor performance can be included in individual performance reviews.
9. Reducing Redundancy of Planned Acquisitions Do you use the Geospatial One-Stop portal, geodata.gov, to ensure that the data are not already available?
  - Prior to collecting new data, TVA checks with other local, state and federal agencies whom we think may have data or be interested in cooperating with us. TVA participates in several coordinating councils in the region and professional societies. We also use the digital geospatial metadata clearinghouse and the Geospatial One-Stop portal to check for existing data. Often our professional contacts provide more information than the clearinghouse.
10. Collection: Do your agency contracts and grants involving data collection include costs for following and using NSDI standards?
  - Generally yes, but standards do not exist for many data requirements. Commercial practices are used more than FGDC standards.
11. Clearinghouse for Existing Data: Is all the data and/or metadata that your agency is able to share with the public published on the NSDI Clearinghouse? If not, please cite barriers encountered.
  - No. TVA has historical data for which FGDC compliant metadata has not been collected. Funds are not available to prepare metadata for all our historic holdings, but we will develop metadata as these data sets are added to our Internet site. For example, several hundred historic products (1930's planimetric maps) were documented in FY04.
12. Clearinghouse for Planned Investments: Is your agency posting information on planned investments in geospatial information to the Geospatial One-Stop portal to encourage partnerships and leverage investments in the acquisition of geospatial data? If not, please cite when you will begin doing so and what barriers you have encountered that would prevent posting this information.
  - TVA has not published plans to invest in geospatial data on the Geospatial One-Stop. This is due to the project specific nature of our work, business sensitivity issues, and time requirements. We plan to start publishing some of our planned acquisitions in FY 05.

13. Geodata.gov: If metadata for your agency's geospatial data/information holdings is on a Clearinghouse Node already, has that Node been registered on geodata.gov for scheduled harvesting visits? If not, when is the Node scheduled to begin regular visits by the geodata.gov harvester?
- TVA's Clearinghouse Node is being harvested by Geospatial One-Stop harvester.
14. E-Gov: How are you using geospatial data in your mission activities to provide better services? (Please list)
- TVA uses a wide variety of geospatial data, and has so since it was formed in 1933. Below is a list of a few of the digital applications recently implemented or enhanced.
    - a. Intranet Web based interactive TVA Region Map for general planning activities.
    - b. Intranet Web based interactive TVA Power System map for Transmission operations use.
    - c. Intranet Web based interactive TVA Transmission System map for display of lightning strike data and other Transmission System asset information (MILES).
    - d. Automated Lands Information System (ALIS) for the management of TVA reservoir properties.
    - e. Integration of ALIS with Environmental review process (Heritage Program), Water Quality monitoring, and Land Acquisition and Disposal System (LADS).
    - f. Aerial Photography Indexing system.
    - g. Map and Photo Records Internet Site <https://maps.tva.com/> for the distribution and sale of geospatial information.
    - h. TVA Site <http://www.tvasites.com/> for use in Industrial Development activities.
15. Geospatial One-Stop: How is your agency involved in the Geospatial One-Stop (Funding Partner, Channel Stewardship, geospatial framework data interoperability pilots, posting standards based Web Mapping services to the portal, etc)?
- Metadata is being harvested (see above). A project is in development to use OGC compliant web mapping services to distribute data.
16. Enterprise Architecture: Is geospatial data a component of your enterprise architecture? Please provide a brief summary of how geospatial data fits into your enterprise architecture.
- GIS is a recognized component of our enterprise information system (IS) architecture. TVA corporate IS organization develops and maintains computer resources and applications support for enterprise GIS activities, most of which are funded by operational organizations. Requirements are identified by the operational organizations. Data is developed and maintained by the operational organizations. Computer hardware, network, software, and development support are provided at the corporate level. The TVA GIS Coordination Council coordinates program activities internal to TVA.

17. Partnerships: What efforts are being taken to coordinate data and build partnerships at the field level for data collection and standards development? Identify partnerships and data sharing activities with other federal agencies, state, local, and tribal governments and other entities. Does your agency have any formal agreements or MOU's concerning data sharing and integration?
- TVA participates in many coordination activities and uses FGDC and national mapping standards when appropriate. An example of one specific activity we participated in at the field level is the Southern Appalachia Man and the Biosphere (SAMAB) consortium. One of TVA's GIS professionals is assigned to work full time with SAMAB. TVA also participates in state GIS federal user groups and local professional meetings.
18. Concerns or Lessons Learned: Are there areas or issues regarding spatial data that require attention, or lessons learned that you would like to share with others? Please describe.
- No.