

NSDI Cooperative Agreements Program
Implementing Web Services for Framework Data Project
Building a Transportation Framework Service: 05HQAG0115
Interim Project Report

Organization:

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Project Narrative

The software sponsored by Intergraph and ArcIMS from ESRI were received and setup for services using WFS 1.0 and their intrinsic support to the GML. Results were presented in AAG Chicago meeting and IGARSS Denver meeting.

Development is being taken to implement GML3.1.1 for FGDC Framework Data Content Standard. Once the developed components are tested, FGDC framework data content WFS will be operational and components will be delivered to Intergraph for adoption.

Status of your data management activities

All Transportation framework data for national (by BTS) and VA (by VDOT) will be in service.

The data volume of Framework data being managed for service is about 400 Mbytes

BTS/DOT provided NTAD data and VDOT provided Virginia transportation data.

A 4600 DELL server with 100Mbps connection to the Internet is in service.
ArcIMS and Intergraph GeoMedia WebMap Professional are used for WFS services.
MS SQL Server are used for data management

Status of Framework Web Feature Service

Has the service been registered with geodata.gov? Yes

Describe any internal or external users and applications that are using this WFS.

NASA Earth Science Gateway is using the WFS and ESIP Earth Information Exchange (EIE) will use the WFS.

Project management

Yes, it will be integrated with EIE and our grid computing infrastructure for demonstration cyber infrastructure supporting geospatial interoperability; a staff will use it for performance testing.

What areas need work?

Compliant to the FGDC Framework Data Content Standard needs more work.

Data need to be cleaned to comply with GML schema.

Feedback on Cooperative Agreements Program

What are the program strengths and weaknesses?

The meeting and information sharing is very helpful.

Where does the program make a difference?

It helped us add WFS service to our geospatial infrastructure at CISC.

Was the assistance you received sufficient or effective?

What would you recommend doing differently?

Not at this time as we know.

Are there factors that are missing or need to consider that were missed?

Not at this time as we know.

Are there program management concerns that need to be addressed? Time frame?

Yes, need to align with relevant standards development.