NSDI Cooperative Agreements Program
Implementing Web Services for Framework Data Project
Building a Transportation Framework Service: 05HQAG0115
<u>Final Project Report</u>

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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
System developed using a DELL Inspiron 9300 and is operating on 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

Some WFS Services are available @

http://unidata.scs.gmu.edu:8080/WebModule1/wfsservlet?request=GetGmlObject&gmlObjectId=HydroElement:887800

http://unidata.scs.gmu.edu:8080/WebModule1/wfsservlet?request=GetFeature&maxFeatures=10&typeName=Runway&resulttype=results

http://unidata.scs.gmu.edu:8080/WebModule1/wfsservlet?request=GetCapabilities&ions=ServiceIdentification

http://unidata.scs.gmu.edu:8080/WebModule1/wfsservlet?request=DescribeFeatureType&typename=HydroElement.

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
It is being integrated with EIE and our grid computing infrastructure for demonstration cyber infrastructure supporting geospatial interoperability; it is under performance testing.

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 and transportation framework services.

Was the assistance you received sufficient or effective? Yes.
Are there factors that are missing or need to consider that were missed? No.
Are there program management concerns that need to be addressed? Time frame?
Yes, need to align with relevant standards development.