

**NSDI Cooperative Agreements Program
FGDC-endorsed Standards Implementation Training and Outreach Project
Interim Project Report**

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Agreement Number: G11AC20053

Project title: Quality and Data Exchange Tool Design for United States Thoroughfare, Landmark and Postal Address Data Standard

Interim report

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Collaborating Organizations: N/A

Executive Summary

For the second quarter of the project, the focus was on testing the concepts that were completed in the first quarter. In addition, the tools were presented at the URISA NENA Conference for feedback.

Project Narrative

During this quarter, work continued on the definition of each of the two tools (application for indexed access to the Standard, and development of tools for import/export) and beginning development of the prototypes. Research into the best methodologies for the access tool was conducted, focusing on differing perspectives of the usefulness/usability of RDF. The conceptual tools were presented at the URISA/NENA Addressing Conference, and comments received.

Discussions were also held with Craig Johnson, State of Louisiana, regarding their training CAP grant, which is looking at training local governments on the Standard, and with several members of NSGIC about a presentation on Addresses for the Nation at the NSGIC conference September 29, which will focus on integration of the Standard.

The Technical Memorandum identifying requirements for the Smart Phone App introduced the concept of creating a more accessible Address Standard document.

In pursuit of this idea we have:

- Found an on-line service for creating smartphone apps from HTML5 data, RhoHub.
- Begun transforming the standard to an HTML5 document
- Demonstrated the HTML5 document at the URISA/NENA Addressing Conference and got feedback.

One comment suggested using [Resource Description Framework \(RDF\)](#) to present the Address Standard. Another comment described RDF as an academic exercise. An extensive catalog of RDF documents at <http://www.data.gov/semantic/data/alpha> suggests active, widespread use.

We are examining the feasibility of representing the Standard in RDF within the scope of the project, while continuing to work on the original smart phone app idea.

Desktop Tools Modules

Since the last status report:

- Collected additional use requirements for the tools from
- Reviewed basic design goals with implementors of the Address Standard
- Investigated software libraries for use in the tool
 - That are open source and freely redistributable
 - That can be used on Windows, Max OS X and UNIX/Linux computers
- Started the Design prototype report

Information about each of the modules, and progress is posted on our CapGrant Twiki site on a regular basis.

Progress by Task.

Task	Status	Task Name	Recent Activity
Task 1	100%	Identify Tool Modules	Researching Tool Framework options
Task 2	85%	Describe Tool Modules	Reviewing comments from GIS professionals
Task 3	30%	Design Tool Prototypes	Document conversion under way, tools being tested
Task 4	0%	Test Tools Prototypes	Not Started
Task 5	0%	Prepare Work Program	Not Started

Next Steps

Will this project's activities continue after the performance period? Yes, development of the tools will continue beyond the prototypes developed during the project.

What formal or informal organizational relationships have been established to sustain activities beyond performance period? Working with several state Geographic Information Officers (Oregon, Louisiana, North Carolina) informally to develop a program for testing and implementing tools in next year.

Describe the next phase in your project: The next phase will test the prototypes in “real-world” environments, and develop additional training materials for them.

Requirements (more technical assistance, software, other?): Additional funding to assist in travel for training seminars, and hands-on testing of tools with widely distributed (geographically) state, county and city governments.

What other areas need work? Overall training materials for the standard, including data modeling, use of quality tools, and overall addressing best practices.

What do you anticipate for future FGDC-endorsed standards training and outreach after the project performance period ends? URISA will continue to offer the Addressing Workshop, and co-sponsor with NENA, the Addressing Conference. At these venues, the Address Standard Working Group (which includes Spatial Focus staff) will continue to present the Addressing

Workshop, which includes significant material related to the Address Standard, and make presentations on the standard and its implementation.