

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number

51-50-M09070

4. Report Date (MM/DD/YYYY)

04-11-2012

1. Recipient Name

Center for Innovative Technology

6. Designated Entity On Behalf Of:

Center for Innovative Technology

3. Street Address

Virginia, 2214 Rock Hill Road, Suite 600,

8. Final Report?

Yes

No

9. Report Frequency

Quarterly

Semi Annual

Annual

Final

5. City, State, Zip Code

Herndon, VA 20170

7. Project / Grant Period
Start Date: (MM/DD/YYYY)

03-01-2010

7a. End Date: (MM/DD/YYYY)

02-28-2015

7b. Reporting Period End Date:

03-31-2012

9a. If Other, please describe:

N/A

10. Broadband Mapping

10a. Provider Table

Number of Providers Identified	Number of Providers Contacted	Number of Agreements Reached for Data Sharing	Number of Partial Data Sets Received	Number of Complete Data Sets	Number of Data Sets Verified
0	0	0	0	0	0

10b. Are you submitting the required PROVIDER DATA by using the Excel spreadsheet provided by the SBDD grants office? Yes No

10c. Have you encountered challenges with any providers that indicate they may refuse to participate in this project? Yes No

10d. If so, describe the discussions to date with each of these providers and the current status

N/A

10e. If you are collecting data through other means (e.g. data extraction, extrapolation, etc), please describe your progress to date and the relevant activities to be undertaken in the future

N/A

10f. Please describe the verification activities you plan to implement

Two complementary methods of validation will be utilized:

- Telephone (primary sampling unit is the Census Block Group, secondary unit is the household)
- In-Person, Face-to-Face (primary sampling unit is the Census Block, secondary unit is the household)

Three main groups will be sampled:

- Served areas
- Unserved areas
- Underserved areas (those on the served and unserved borders)

From the maps provided by Virginia, Apex will establish two types of census block groups from which to sample

- Uniform (defined as either all served, all unserved or all underserved areas)
- Non-uniform (defined as any combination of served, unserved and underserved areas)

Apex will randomly select samples that, when data from each method is combined, will arrive at an anticipated margin of error of 4 (with 95% confidence) statewide

For the telephone survey, Apex will randomly select a sample of uniform census block groups and will interview households within each chosen census block group

For the in-person, face-to-face survey, Apex will randomly select a sample of census blocks from all non-uniform census block groups and will interview households within each chosen census block

Random sample stratified: geographically (e.g. rural/non-rural), demographically

Sample size allocation procedures will be used to determine the appropriate number of census block groups for rural and non-rural areas

Each validation method is structured to complement the other. That is, the in-person survey will mirror the telephone survey; therefore the in-person survey.

In person interviewers will also be able to collect wireless signal readings at the interview locations.

10g. Have you initiated verification activities? Yes No

10h. If yes, please describe the status of your activities

Complete

10i. If verification activities have not been initiated please provide a projected time line for beginning and completing such activities

N/A

Staffing

10j. How many jobs have been created or retained as a result of this project?

5.86

10k. Is the project currently fully staffed? Yes No

10l. If no, please explain how any lack of staffing may impact the project's time line and when the project will be fully staffed

Not applicable

10m. When fully staffed, how many full-time equivalent (FTE) jobs do you expect to create or retain as a result of this project?

Currently staffed

10n. Staffing Table

Job Title	FTE %	Date of Hire
Program Director	58	08/28/1995
Program Manager	48	01/04/1999
Program Assistant	94	05/10/2010
Program Assistant	44	09/07/2011
Graduate Research Assistant	50	01/01/2010
Graduate Research Assistant	50	01/03/2011
Special Research Faculty	5	10/01/2010
Special Research Faculty	23	10/01/2010
Special Research Faculty	15	10/01/2010
Applied Research and Development Manager	30	01/03/2011
Website Designer	10	01/03/2011
Communications Manager	5	01/03/2011
Administrative Faculty	10	01/03/2011
VGIN Coordinator	26	10/01/2010
Geospatial Information Systems Data Analyst	13	03/11/2011
Geospatial Information Systems Data Analyst	93	03/25/2011
Geospatial Web Developer/Programmer	12	01/01/2012

Add Row

Remove Row

Sub Contracts

10o. Subcontracts Table							
Name of Subcontractor	Purpose of Subcontract	RFP Issued (Y/N)	Contract Executed (Y/N)	Start Date	End Date	Federal Funds	In-Kind Funds
VITA-VGIN	GIS Mapping	Y	N	05/17/2010	06/30/2012	1,021,255	135,000
Virginia Tech	Mapping/speed testing/ data modeling and analysis	Y	Y	07/01/2010	06/30/2012	442,551	88,700
Broad Axe	Data collection (usage/ connectivity)	Y	N	06/15/2010	06/30/2012	248,500	0
SNG	Benchmarking and connectivity analysis	Y	Y	06/01/2010	01/31/2012	279,840	0
Bristol Virginia Utilities	Cash match	N	Y	06/01/2010	05/20/2011	0	69,000
Commonwealth of Virginia	Match	N	N	03/01/2010	02/28/2015	0	282,259

Add Row

Remove Row

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$2,017,677 10q. How much Remains? \$6,082,302

10r. How much matching funds have been expended as of the end of last quarter? \$504,419 10s. How much Remains? \$1,520,576

10t. Budget Worksheet

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Personal Salaries	\$812,614	\$0	\$812,614	\$221,743	\$0	\$221,743
Personnel Fringe Benefits	\$484,583	\$0	\$484,583	\$134,849	\$0	\$134,849
Travel	\$81,436	\$0	\$81,436	\$5,258	\$0	\$5,258
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Materials / Supplies	\$5,036	\$0	\$5,036	\$1,955	\$0	\$1,955
Subcontracts Total	\$5,389,519	\$2,024,995	\$7,414,514	\$1,324,213	\$504,419	\$1,828,632
Subcontract #1	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #2	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #3	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #4	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$129	\$0	\$129
Total Direct Costs	\$6,773,188	\$2,024,995	\$8,798,183	\$1,688,147	\$504,419	\$2,192,566
Total Indirect Costs	\$1,326,791	\$0	\$1,326,791	\$329,531	\$0	\$329,531
Total Costs	\$8,099,979	\$2,024,995	\$10,124,974	\$2,017,678	\$504,419	\$2,522,097
% Of Total	80	20	100	80	20	100

Hardware / Software

10u. Has the project team purchased the software / hardware described in the application? Yes No

10v. If yes, please list

N/A

10w. Please note any software / hardware that has yet to be purchased and explain why it has not been purchased

N/A

10x. Has the project team purchased or used any data sets? Yes No

10y. If yes, please list

N/A

10z. Are there any additional project milestones or information that has not been included? Yes No

10aa. If yes, please list

N/A

10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

N/A

10cc. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

N/A

11. Broadband Planning

11a. Please describe progress made against all goals, objectives, and milestones detailed in the approved Project Plan. Be sure to include a description of each major activity / milestone that you plan to complete and your current status

Broad Axe Technology Partners updated and distributed its health information technology (IT) survey to more than 500 healthcare providers. An assessment of the survey was conducted, and benchmarks developed based on the results. A formal report was distributed to the public, and a customized report was developed for association partners. The data has been transferred to VGIN for mapping and the Health IT layers are in the process of being updated.

Strategic Networks Group (SNG) delivered its customized, online Digital Economy Analytics Platform (DAEP) for use in Virginia's regional planning and capacity building. SNG submitted an e-Strategy report on broadband utilization to CIT. SNG created an economic impact model for assessing the effect of broadband on local economies. In development are DEi scorecards, an e-Solutions Benchmarking tool, and the Regional Profile Templates, a framework for comparative assessment of internet utilization by industry sector.

CIT received approval of the Technical Assistance project plan on April 23, 2012. We are now in the process of finalizing contracts for Broad Axe's resource inventory project and SNG's Broadband Awareness and Adoption project.

With recent approval of the tribal project plan, CIT contracted with Exoventure to define the Indian County telecom landscape. CIT held its first conference call in April 2012 to discuss the statement of work and upcoming deliverables. CIT and Exoventure are in the process of reviewing current data.

Virginia Tech is in the final stages of development with the Vertical Assets Inventory that catalogs the tall structures that could serve as wireless transmission sites.

11b. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

Our Technical Assistance project is starting later than planned because we did not receive approval of our project plan until recently.

11c. Does the Project Team anticipate any changes to the project plan for Broadband Planning? Yes No

11d. If yes, please describe these anticipated changes. Please note that NTIA will need to approve changes to the Project Plan before they can be implemented

Not applicable

Funding

11e. How much Federal funding has been expended as of the end of the last quarter? \$0 11f. How much Remains? \$0

11g. How much matching funds have been expended as of the end of last quarter? \$0 11h. How much Remains? \$0

11i. Planning Worksheet

Personal Salaries	\$0	\$0	\$0	\$0	\$0	\$0
Personnel Fringe Benefits	\$0	\$0	\$0	\$0	\$0	\$0
Travel	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Materials / Supplies	\$0	\$0	\$0	\$0	\$0	\$0
Subcontracts Total	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #1	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #2	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #3	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #4	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0
Total Direct Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$0	\$0	\$0	\$0	\$0	\$0
% Of Total	0	0	0	0	0	0

Additional Planning Information

11j. Are there any additional project milestones or information that has not been included?

VGIN and Virginia Tech provided maps for the Chmura Economics and Analytics report on the economic benefits of broadband. VGIN partnered with eCorridors to conduct speed tests to determine if smart grid technologies can be offered and supplied a map of pharmacies without eRX overlaid with broadband availability to Central Virginia Health Network. VGIN created a map overlaying the FCC's Mobility Fund Phase 1 Potentially Eligible Areas with Virginia Broadband Availability map.

11k. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the Project Team is employing

NA

11I. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

NA

12. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purpose set forth in the award documents.

12a. Typed or Printed Name and Title of Authorized Certifying Official

Patricia Inman

Contracts and Grants Manager

12c. Telephone
(area code, number, and extension)

703-689-3044

12d. Email Address

pinman@cit.org

12b. Signature of Authorized Certifying Official

Submitted Electronically

12e. Date Report Submitted
(Month, Day, Year)

04-30-2012