

**U.S. DEPARTMENT OF COMMERCE**

**Performance Progress Report**

2. Award Or Grant Number

51-50-M09070

4. Report Date (MM/DD/YYYY)

01-10-2011

1. Recipient Name

Center for Innovative Technology

6. Designated Entity On Behalf Of:

The Commonwealth of Virginia

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:

12-31-2010

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

AT&T has not responded to any of our multiple requests for data, but have not specifically said they will not participate.

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.

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

Verification process initiated and underway.

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?

2.24

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

N/A

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

N/A

10n. Staffing Table

Job Title	FTE %	Date of Hire
Program Assistant	100	05/10/2010
Graduate Research Assistant	25	10/01/2010
Student Research	19	10/01/2010
Two Special Research Faculty	20	10/01/2010
Three Administrative Staff	50	10/01/2010
Administrative Faculty	10	10/01/2010

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	Y	05/17/2010	02/28/2012	1,021,255	135,000
Virginia Tech	Mapping/speed testing/ data modeling and analysis	Y	Y	07/01/2010	02/28/2012	442,551	88,700
Broad Axe	Data collection (usage/ connectivity)	Y	Y	06/15/2010	06/14/2011	96,000	0
SNG	Benchmarking and connectivity analysis	Y	Y	06/01/2010	12/31/2010	177,780	0
Bristol Virginia Utilities	Cash match	N	Y	06/01/2010	12/31/2010	0	69,000
Commonwealth of Virginia	Match	N	N	03/01/2010	02/29/2012	0	282,295

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**Funding**

10p. How much Federal funding has been expended as of the end of the last quarter? \$511,755      10q. How much Remains? \$7,588,225  
 10r. How much matching funds have been expended as of the end of last quarter? \$210,039      10s. How much Remains? \$1,814,956

## 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	\$56,631	\$0	\$56,631
Personnel Fringe Benefits	\$484,583	\$0	\$484,583	\$32,805	\$0	\$32,805
Travel	\$81,436	\$0	\$81,436	\$1,124	\$0	\$1,124
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Materials / Supplies	\$5,036	\$0	\$5,036	\$52	\$0	\$52
Subcontracts Total	\$5,389,519	\$2,024,995	\$7,414,514	\$310,444	\$210,039	\$520,483
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	\$6,773,188	\$2,024,995	\$8,798,183	\$401,056	\$210,039	\$210,039
Total Indirect Costs	\$1,326,791	\$0	\$1,325,791	\$110,699	\$0	\$110,699
Total Costs	\$8,099,979	\$2,024,995	\$10,124,974	\$511,755	\$210,039	\$721,793
% Of Total	80	20	100	71	29	100

**Hardware / Software**

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

10v. If yes, please list

ESRI PLTS extension (3) \$27,000, ESRI Data Interoperability extension (1) \$2,275

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

4 core test database server. Working through purchase approvals.

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

E-commerce assessment-data collection is complete. Through partnerships with VA technology councils, VA Department of Business Assistance, VA chambers of commerce, VA Manufacturers Association, and Citizens Telephone, CIT was able to distribute the assessment throughout the state. SNG has also completed the technical report and transferred the data to VGIN to be turned into a data layer and placed on the Virginia Broadband Availability Map.

The Health IT assessment is complete. CIT was able to forge relationships with VA Secretary of Health and Human Resources, Virginia Department of Health, Virginia Office of Health IT, Department of Medical Assistance services, and the Department of Health Professions to promote awareness of the assessment. The report is complete and the data has been transferred to VGIN to be turned into a data layer and placed on top of the Virginia Broadband Availability Map.

The status of the project is more than 50% complete.

VGIN is currently in the process of converting the data from the assessments into layers that will be placed onto the broadband availability map.

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

N/A

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

N/A

### 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

11i. Planning Worksheet						
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?

N/A

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

N/A

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

N/A

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)

02-28-2011