U.S. DEPARTMENT OF COMMERCE	2. Award Or Grant Number
Performance Progress Report	22-50-M09030
	4. Report Date (MM/DD/YYYY)
	07-19-2012

1. Recipient Name	6. Designated Entity On Behalf Of:
State of Louisiana Division of Administration	State of Louisiana

3. Street Address	8. Final Report?	9. Report Frequency
1201 North 3rd Street, Suite 2-130,	◯ Yes ⦿ No	⦿ Quarterly ◯ Semi Annual ◯ Annual ◯ Final

5. City, State, Zip Code		
Baton Rouge, LA 70802		

7. Project / Grant Period Start Date: (MM/DD/YYYY)	7a. End Date: (MM/DD/YYYY)	7b. Reporting Period End Date:	9a. If Other, please describe:
11-01-2009	10-31-2014	06-30-2012	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

Buford Media Group and Bluebird Wireless Broadband Services, LLC have refused to participate.

The following thirteen (13) providers have yet to provide data, however we are still working to acquire data from each of them: Acadiana Wireless; Bayou Internet Inc.; Cable South Media (formerly known as Media3); Cellular South; Conterra Broadband Services D/B/A DETEL; Hunt Telecom; Integrated Data Systems; Interactive E-Solutions A/K/A Broadband IP; Maximum Access, LLC; Nexus Systems, Inc.; PC One Cable, LLC; Skycom1; Superior Wireless.

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

The following additional verification datasets are being developed/collected:

• Development of Initial Conservative Estimate of Broadband Service: Data is extracted from internal and commercial databases defining geographic service areas of telephone and cable companies and locations of central office (CO) switches and areas upgraded with fiber. The geographic areas are overlaid with Census demographic data on housing unit counts and density.

• Wireless Market Intelligence Data: Commercially available dataset used as an independent source to verify information submitted by Providers of wireless broadband service. This dataset is used as a validation source for provider service area coverage.

• Online Public Survey and Speed Test: A Broadband Mapping Public Survey Site is deployed. Site visitors are requested to provide data on broadband availability, technology, service type (e.g., speed tier) service provider name; monthly prices paid and measured downstream and upstream speeds.

• FCC Speed Test: The FCC speed test data and researched Provider by assigned IP address ranges dataset is used as a validation source for provider service coverage and typical speeds.

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

Audit of Wireless Broadband Availability Reporting: Development has begun on Fixed Wireless propagation mapping with research on data elements and sources for fixed wireless Providers of broadband service identified throughout the State, and "modeling" Provider service areas. Our research identified prominent and discreet sources of information for use as a secondary source for creating propagation models, corroborating Provider information, and for ongoing activity during the project lifecycle to find new information and new Providers who may be starting or expanding their service areas throughout the State.

To facilitate Fixed Wireless Provider response to data requests, detailed Submission Guidelines and a quick start guide were prepared and posted to a public provider website, and noted within all outbound provider activity via email. All outbound telephone outreach activity references these documents. The documents provide a technical breakdown of the needed information, with key inputs being antenna location, height and, where available, data on spectrum power levels and other relevant transmission factors, to enable Fixed Wireless providers to make a very basic NTIA State Broadband submission.

Terrain Analysis Package (TAP) from a Colorado-based company called SoftWright was purchased and installed in May, and preliminary models of several service areas have been created. QA/QC review has been performed on the test models and the data inputs used to create each model.

The resultant propagation map datasets will be used as a source to determine gaps in provider submitted wireless service area coverage, as well as a source for providing service areas coverage for non-participating fixed wireless providers. Deployment of this audit of Wireless Broadband Availability is planned for the October 1, 2012 delivery to the NTIA.

Our contractor, submitted a white paper describing the DATA DEVELOPMENT & VALIDATION METHODOLOGIES with the Apr 2010 submission.

10g. Have you initiated verification activities? ⦿Yes ○No

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

• Provider Validation: Maps of completed Provider service areas and data were furnished to the Providers for confirmation of the processed/aggregated information.
• Stakeholder Feedback: The state broadband mapping website includes a feedback function.
• Service Area Validation Data: The SNG wireline service area data is tabular and contains a separate record for each provider/technology of transmission combination with an associated census block or TIGER road segment, depending on whether the size of the census block area (=/< or > 2 sq. mi.).
• Online Surveys, FCC, and Field Validation Data: The Public and Targeted Business/Household survey and field data were also collected in tabular database format, and represent a specific lat/long spatial location for each record.
• Validation Reporting: A matched percentage was obtained through SEAS for each of the database records.
• Business Logic Rules: Model Builder was used to build a model of GIS geo-processing tools to validate that the broadband data was consistent with the front end business logic rules of the SBI Data Transfer Model.
• Topology: The ArcGIS Validate Topology Tool was used to flag any topology issues in the broadband data.
• SBI Check Submission: The NTIA-provided SBI Check Submission tool is utilized to validate that the deliverable broadband data is consistent with the business logic rules set forth by the NTIA and a passing receipt is provided with the data submittal to NTIA.

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?

6.95

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?

20

10n. Staffing Table

Job Title	FTE %	Date of Hire
DOA Assistant Director, Statewide Technology	20	04/01/2012
SBO Program Director	100	04/01/2012
SBO Program Analyst	100	04/01/2012
LAGIC Manager	32	04/01/2012
LAGIC Computer Analyst	100	04/01/2012
LAGIC Web Designer	16	04/01/2012
LAGIC Student	23	04/01/2012
Baker GIS Associate	11	04/01/2012
Baker GIS Specialist	30	04/01/2012
Baker Technical Specialist	62	04/01/2012

LSU Ag Associate Professor	1	04/01/2012
LSU Ag Extension Agent	24	04/01/2012
LSU Ag Extension Associate	100	04/01/2012
LSU Ag Regional Coordinator	52	04/01/2012
LSU Ag Assistant Director	19	04/01/2012
LSU Ag Administrative Coordinator	5	04/01/2012

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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
Michael Baker, Jr., Inc.	Broadband Mapping Support Services	Y	Y	10/01/2009	07/31/2011	926,900	110,000
Michael Baker, Jr., Inc.	Broadband Mapping Support Services	N	Y	08/01/2011	09/30/2012	598,576	105,631
LA Geographic Information Center (LAGIC)	Broadband Mapping Data Validation and Planning	N	Y	03/01/2010	02/28/2013	681,528	134,997
LSU Agriculture Center	Technical Assistance Program - Connect My LA	N	Y	01/01/2011	12/31/2013	653,184	163,296
LSU Manship Research Facility	LA Broadband Survey	N	Y	08/01/2011	04/30/2012	39,384	9,846
East Feliciana Parish Police Jury	Technical Assistance Program - subgrant	N	Y	01/31/2012	06/30/2013	56,000	14,000
Capital Area Technical College - Jumonville Campus	Technical Assistance Program - subgrant	N	Y	02/11/2012	06/30/2013	76,661	27,000
TBD	Supplemental Grant Award	N	N	07/01/2012	09/30/2014	2,731,248	449,929

Add Row   Remove Row

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? $2,031,710   10q. How much Remains? $4,617,969

10r. How much matching funds have been expended as of the end of last quarter? $641,137   10s. How much Remains? $1,122,448

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	$627,456	$104,500	$731,956	$209,218	$104,898	$314,116
Personnel Fringe Benefits	$178,742	$31,180	$209,922	$73,222	$33,848	$107,070
Travel	$0	$28,000	$28,000	$4,653	$1,169	$5,822
Equipment	$0	$13,200	$13,200	$0	$13,000	$13,000
Materials / Supplies	$80,000	$536,106	$616,106	$17,040	$168,671	$185,711
Subcontracts Total	$5,763,481	$1,014,699	$6,778,180	$1,725,515	$310,399	$2,035,914
Subcontract #1	$926,900	$110,000	$1,036,900	$944,856	$105,544	$1,050,400

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Subcontract #2	$598,576	$105,631	$704,207	$238,862	$57,437	$296,299
Subcontract #3	$681,528	$134,997	$816,525	$237,274	$61,341	$298,615
Subcontract #4	$653,184	$163,296	$816,480	$256,364	$55,616	$311,980
Subcontract #5	$2,903,293	$500,775	$3,404,068	$48,159	$30,461	$78,620
Construction	$0	$0	$0	$0	$0	$0
Other	$0	$35,900	$35,900	$2,062	$9,153	$11,215
Total Direct Costs	$6,649,679	$1,763,585	$8,413,264	$2,031,710	$641,138	$2,672,848
Total Indirect Costs	$0	$0	$0	$0	$0	$0
Total Costs	$6,649,679	$1,763,585	$8,413,264	$2,031,710	$641,138	$2,672,848
% Of Total	79	21	100	76	24	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

No additional data sets have been purchased since the reporting period for the quarter ending 03/31/2012. The project continues to use the following third part data sets: TeleAtlas; American Roamer, LLC; SNG Internet Connectivity at census block level.

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
Service Provider Update Portal: Baker develop a beta version of the secure web-based application for broadband service providers to simplify and automate the semi-annual process for collecting and verifying data. The web portal provides an easy-to-use map redlining tool for updating a provider broadband service area and attributes. It is expected that the simplification and automation of the data collection process will improve increase participation and improve the timeliness of provider response, data accuracy and consistency. The beta version will be tested by select providers and full deployment is planned for Spring 2012.

Propagation Mapping: Development of propagation mapping for evaluation of reported fixed wireless coverage, and development of fixed wireless coverage for non-responsive service providers, as described in 10f above, will also be implemented. Partial Deployment is planned for the April 2012 NTIA submittal.

Provider Confidence Maps: Utilizing the Confidence Level/Statistical Modeling, Confidence level Maps for Service Providers will be produced and distributed to the providers which highlight questionable areas of reported broadband availability when compared against the verification datasets. Providers are to respond with justification for these questionable areas or to take corrective action in their data for the next data submission.

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

We have hosted three broadband symposiums, designed to educate and engage community leaders from challenged parishes in broadband topics:
• Monroe (April 19-20, 2011), servicing the Delta parishes
• Hammond (June 15, 2011), servicing the Florida parishes
• Alexandria (August 9), servicing the Southwest and Central Louisiana parishes

We have presented four Broadband Grant Workshops, teaching grant writing skills to the community leaders of our 18 most challenged parishes, to empower them to compete for USDA Rural Development, Delta Regional Authority and our technical assistance grant programs:
• Oak Grove (July 28, 2011), servicing the northern Delta parishes
• Crowley (August 3, 2011), servicing Southwest Louisiana
• Winnsboro (August 10, 2011), servicing the lower Delta parishes
• Greensburg (August 24, 2011), servicing the Florida parishes

We have engaged a number of organizations to assist us with outreach to the local governments, businesses, and citizens that have not fully engaged in broadband and to promote our various workshops, symposiums, and programs, including:
• Delta Regional Authority
• Louisiana Dept. of Economic Development
• Louisiana Municipal Association
• Louisiana Police Jurors Association
• Louisiana Broadband Advisory Council
• Louisiana Local Development Districts (Baton Rouge, Alexandria, Monroe)
• Louisiana Public Service Commissioners (North LA and Southwest LA districts)
• Chambers of Commerce throughout the State

We have published the Louisiana Broadband Survey results on our website. In that our findings regarding barriers to broadband adoption varied from previous national studies, we produced an article on the subject, which was published in the May/June edition of Broadband Communities magazine. And, consistent with the theme that internet threats are a significant barrier to adoption, we are now in the process of publishing a 4-part white paper series on Staying Safe Online to our website.

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

We are pleased to report that we have now successfully engaged the Coushatta Tribe of Louisiana and are in contract negotiations to allow Coushatta to participate in our Louisiana Communities Broadband Grant Program.

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

11i. Planning Worksheet						
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?

We have redesigned the Louisiana Broadband Initiative website to include sections for citizens, local governments, businesses, internet providers and the Broadband advisory Council. We are also using social media (Facebook, Twitter) to both keep followers up-to-date with national and state-level broadband news and to drive new visitors to our LBI website.

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

see attached status document.

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 Neal Underwood Ass't Director Statewide Techn	12c. Telephone (area code, number, and extension) (225) 219-4025 12d. Email Address neal.underwood@la.gov
12b. Signature of Authorized Certifying Official Submitted Electronically	12e. Date Report Submitted (Month, Day, Year) 07-30-2012