

**OFFICIAL APRIL 2012 UPDATE SUBMISSION TO  
THE NATIONAL TELECOMMUNICATIONS AND INFORMATION  
ADMINISTRATION UNDER THE  
STATE BROADBAND INITIATIVE GRANT PROGRAM FOR THE  
STATE OF OHIO**

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April 1, 2012

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## COVER LETTER

April 1, 2012

Ms. Anne W. Neville  
SBI Grant Program Director  
National Telecommunications and Information Administration  
U.S. Department of Commerce  
1401 Constitution Avenue, NW Room 4716  
Washington, DC 20230

Dear Ms. Neville:

Please accept this submission from Connected Nation on behalf of the state of Ohio's State Broadband Initiative (SBI) Grant Program, known as Connect Ohio.

It is with highest regard that the collective stakeholders of Connect Ohio offer congratulations to the U.S. Department of Commerce's National Telecommunications and Information Administration (NTIA) on the one-year anniversary of the release of the National Broadband Map. This extraordinary milestone demonstrates the ongoing intense and joint effort of the NTIA, FCC, state governments, industry, and non-profits like Connected Nation as it continues to serve as a key tool for the American public and policymakers, resulting in smarter investments and targeted state and local broadband policies and programs. We are proud of the role that Connect Ohio has played in creating and maintaining such a powerful tool that has benefitted and surely will continue to benefit not just Ohioans, but consumers and businesses nationwide.

These artifacts should be found to be compliant with the April 1, 2012, deadline for the semi-annual data update and in accordance with the terms of the July 1, 2009, Notice of Funds Availability (NOFA) and all subsequent clarifications pertaining to delivery of state-level mapping of broadband service availability. This packet includes:

### ***Inventory of Deliverables, Connect Ohio: April 1, 2012***

<u>NOFA Requirement</u>	<u>Data Transfer Model</u>	<u>Data Description</u>
Appendix A: 1(a)(i)	BB_Service_CensusBlock	Broadband Service Availability of Facilities-Based Providers in Census Blocks of No Greater Than Two Square Miles in Area
Appendix A: 1(a)(ii)	BB_Service_RoadSegment	Broadband Service Availability of Facilities-Based Providers by Road Segment in Census Blocks Larger in Area Than Two Square Miles

Appendix A: 1(b)	BB_Service_Wireless	Broadband Service Availability of Wireless Services Not Provided to a Specific Address
Appendix A: 3(b)	BB_ConnectionPoint_MiddleMile	Broadband Service Infrastructure Middle-Mile and Backbone Interconnection Points
Appendix A: 4	BB_Service_CAInstitutions	Community Anchor Institutions-Listing
Appendix A: 4	n/a	Community Anchor Institutions-Narratives
VII.A.1(a) n/a	n/a DataPackage.xlsx	Accuracy and Verification Report Worksheets of Contact Information, Record Count, and Provider Summary Table
n/a	n/a	List of Changes and Corrections to the Dataset
n/a	n/a	Non-Participating Provider (NPP) Narratives
n/a	n/a	Broadband Provider Roster and Participation Status

In addition, this data update submission should be found to be compliant with the additional program requirements instituted by the National Telecommunications and Information Administration since the time of the October 2011 SBI data submission for the Connect Ohio program. Specifically, these new requirements are:

**SBI Data Transfer Model**

The submission of the broadband dataset for April 1, 2012, is contained within the SBI Data Transfer Model as released on the Grantee Workspace on January 17, 2012. All efforts have been made to comply with formatting, domain, and metadata requirements to include as much information on each provider as possible.

**Additional Submission Guidance**

This submission continues to follow the speed technology guidance released by the Program Office on December 22, 2011, to review speed tier codes in correspondence with technology of transmission codes. In the October 2011 submission, descriptions were provided in the methodology paper that offered an explanation for any submitted technology of transmission and speed combinations that were outside of the expected value range. That practice continues in this submission as technology and speed combinations are reviewed and scrutinized; any questionable information supplied by providers is reviewed more in depth with the provider to ensure the information is accurately captured or a proper explanation is provided as to why the speed information should be submitted as supplied even if it falls outside the expected value range.

In addition to the requirements mentioned above, please find this methodology paper to be inclusive of a new section pertaining to industry mergers and acquisitions – specifically this section will detail any and all mergers or acquisitions that have taken place in Ohio, since the October 2011 submission. The intent of this new section is to provide a better understanding of how the broadband provider landscape has changed over time.

This April 2012 semi-annual data update under the State Broadband Initiative Grant Program continues to demonstrate our dedication to implementing the joint purposes of the Recovery Act and the Broadband Data Improvement Act (BDIA) by gathering comprehensive and accurate state-level broadband mapping data, developing state-level broadband maps, aiding in the development and maintenance of the National Broadband Map, and undertaking statewide initiatives for broadband planning.

### ***Broadband Service Availability — Provider Outreach and Verification***

This data update submission under the SBI program includes datasets for 90 percent of the Ohio provider community, or 117 of 130 total providers. There are 115 participating providers and 2 additional non-participating provider(s) whose estimated coverage areas have been submitted. Of the 115 participating providers, 30 supplied an update to their network or coverage area(s), while 61 have reported no change. The remaining 24 represent providers who previously supplied data but were non-responsive in the April 2012 update effort; therefore their previous dataset is being put forward as part of this compilation. A complete roster by provider depicting participation status and contact record is contained herein. Of the 13 providers that are not represented in the attached datasets, 12 have refused to participate in the voluntary program or were non-responsive to multiple contact attempts, and one provider is currently in some form of progress toward data submission but was not able to submit coverage areas at the time of this submission.

As the aforementioned roster and attached methodology documentation will attest, it is the collective opinion of the Connect Ohio principals that all commercially reasonable efforts were made to account for 100 percent of the known Ohio broadband provider community, pursuant to this semi-annual data update submission.

Connect Ohio has also continued to perform broadband verification activities through several means. In addition to confirmation of service area(s) by each provider, Connect Ohio conducts field validation efforts. To date, 68 (52.31 percent) providers have been validated through field verification activities. Additional details on verification activities are contained within the Field Validation Methodology.

The Connect Ohio website, ([www.connectohio.org](http://www.connectohio.org)), continues to serve a prominent role in the outreach and data collection effort. This program asset provides a way for the general public to participate in the process by offering interactive tools for users to test their connection speed, submit broadband inquiries, or contact a program representative.

As an indicator of stakeholder penetration, the Connect Ohio website encountered 27,970 unique visits during this reporting period (125,010 total to date for the life of the grant awarded on

December 20, 2009). Additionally, this pronounced Web activity netted 332 broadband inquiries over this same reporting period (1,510 grant inception to date). The website also provides the BroadbandStat application, which allows the consumer to confirm or dispute the coverage represented on the broadband inventory map. These consumer-initiated actions are facilitated through the Connect Ohio website and the Connect Ohio interactive mapping tool (BroadbandStat) that offer the citizens the vehicles to provide information regarding availability in their respective service area, either in affirmation or contest of the reported data represented in the Connect Ohio mapping artifacts. Since the initial data collection and release of corresponding maps, feedback in the form of broadband inquiries has allowed Connect Ohio to identify additional areas that are in need of field validation, which is scheduled as soon as possible.

### ***Community Anchor Institutions***

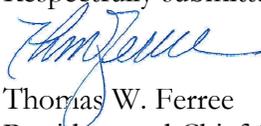
Connect Ohio has established an ongoing mechanism for gathering data on the location and broadband connectivity of Community Anchor Institutions (CAI), in accordance with the data requirements of the SBI NOFA Technical Appendix.

Outreach was conducted during this data update reporting period by Connect Ohio to continue identification of existing, centralized sources for CAI connectivity data. Additionally, outreach was coordinated to distribute the CAI survey to institutions throughout the state through multiple methods including a customized online survey available on the Connect Ohio website. Connect Ohio has established a relationship with eTech Ohio, a statewide agency that provides a telecommunications infrastructure that links classrooms and public broadcasting affiliates to each other and the Internet. eTech Ohio was able to gathering data for K-12 schools that utilize its network, and Connect Ohio has included these results in the April 2012 submission. Connect Ohio will continue to build upon existing relationships over the coming months and utilize its contacts throughout the state to collect data and raise awareness of this project.

From our work in Ohio, as well as other states, we recognize the great value of this data to future collaboration efforts within the state as well as its value to the National Broadband Map. We plan to continue to bring best practices to the Connect Ohio efforts, along with an investment of both human and technical resources required to reach our goal of increasing the data that is secured and reported as part of this process.

The Connect Ohio program exists to improve data on the deployment and adoption of broadband services and to assist in the extension of broadband technology across all regions of the great state of Ohio, as well as the United States through contribution to the National Broadband Map. We look forward to the continuing work ahead.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'Tom Ferree'.

Thomas W. Ferree  
President and Chief Operating Officer  
Connected Nation, Inc.

## **DATA ACQUISITION: OHIO COMMUNITY ANCHOR INSTITUTIONS METHODOLOGY**

In this fifth reporting period of the SBI, Connect Ohio, working in close coordination with the state of Ohio, has established an ongoing mechanism for gathering data on the location and broadband connectivity of Community Anchor Institutions (CAI), in accordance with the data requirements of the SBI NOFA Technical Appendix. During this reporting period Connect Ohio has continued to focus efforts on conducting outreach and raising awareness of this important project.

Connect Ohio has continued to identify and process CAI data obtained through an ongoing statewide outreach campaign. Physical address information continues to be augmented through manual sourcing and geocoded by Connect Ohio through ESRI ArcGIS software.

Connect Ohio continues to utilize a customized online survey hosted through SurveyMonkey, with a landing page on the Connect Ohio website that was developed during the first reporting period. Connect Ohio will continue to use these data-gathering tools for future targeted outreach efforts throughout the coming months leading up to the next reporting period. These materials are customized to fit the CAI categories as defined in the SBI NOFA.

The survey can be accessed at this link: <http://www.surveymonkey.com/s/R3RLVNG>.

Connect Ohio conducts significant research as part of an ongoing process to identify existing, centralized sources for CAI connectivity data. Connect Ohio has established a relationship with eTech Ohio, a statewide agency that provides a telecommunications infrastructure that links classrooms and public broadcasting affiliates to each other and the Internet. eTech Ohio was able to gather data for K-12 schools that utilize its network, and Connect Ohio has included these results in the April 2012 submission.

In tandem with these efforts to identify existing data, Connect Ohio continues to identify key CAI contacts in an effort to distribute and promote the online survey and raise awareness of the importance of CAI broadband connectivity. Connect Ohio continued to work to obtain new relationships this reporting period to promote the importance of gathering connectivity data from all CAI sectors. This data-gathering effort will continue leading up to the October 2012 submission.

Connect Ohio has an ongoing mission to educate CAI throughout the state on the importance of participating in the project. Participation by these institutions will raise awareness about the importance of broadband connectivity and the need to report the requested data for inclusion on the National Broadband Map.

The greatest challenge with collecting CAI data continues to be educating the CAI about the Connect Ohio project as well as self-awareness of their own CAI connectivity (specifically upload and download speeds). Connect Ohio will continue to research key CAI organizations and agency contacts in an effort to raise awareness of this project among CAI.

A CAI summary of all processed and submitted data is provided below:

CAI Type	Total	Physical Address	Lat/Long	Technology of Transmission	Download Speed	Upload Speed
<b>K-12 Schools</b>	8596	8596	8596	2654	1878	5
<b>Libraries</b>	748	748	748	686	588	7
<b>Healthcare</b>	1954	1954	1954	5	5	5
<b>Public Safety</b>	3834	3834	3834	6	4	4
<b>Higher Ed Institutions</b>	613	613	613	15	10	7
<b>Other Government</b>	589	589	589	13	7	7
<b>Other Non-Government</b>	3687	3687	3687	28	19	14
<b>Total</b>	<b>20,021</b>	<b>20,021</b>	<b>20,021</b>	<b>3407</b>	<b>2511</b>	<b>49</b>

During the coming months, CAI data collection will be supported by regular reporting to the Connect Ohio team. The CAI data is proving an invaluable resource to all components of the Connect Ohio effort. The data identifies potential local champions, sector trends, and opportunities for improvement as well as opportunities to educate CAI not familiar with their current connectivity.

### SBI DATA SUBMISSION METHODOLOGY

The submission of the broadband dataset for April 1, 2012, is contained within the SBI Data Transfer Model and additional components as released on the Grantee Workspace on January 17, 2012. Connected Nation (CN) has reviewed all literature that relates to the release and use of this data transfer model and recognizes that it does not replace or dictate how data is stored, processed, or displayed for the state, as it is meant primarily as a means to transfer the broadband data from all states and territories and populate the National Broadband Map in a seamless fashion. Guidance from the Technical Mapping Guide, as released on the Grantee Workspace on March 24, 2011, was also followed to ensure the completeness and validity of the submission through completion steps and checklists, completing the DataPackage spreadsheet, uploading broadband datasets into the Data Transfer Model, and checking the dataset using the SBDD\_CheckSubmission receipt process.

In addition to the methodologies contained herein, as well as the DataPackage.xls containing contact information, the data dictionary, and a provider summary table, the following feature classes are submitted within the SBI Data Transfer Model for the state of Ohio.

***Inventory of Deliverables, Connect Ohio: April 1, 2012***

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Appendix A: 3(b)	BB_ConnectionPoint_MiddleMile	Broadband Service Infrastructure Middle-Mile and Backbone Interconnection Points.
Appendix A: 4	BB_Service_CAIstitutions	Community Anchor Institutions-Listing.

The provider data collected by CN on behalf of the state of Ohio have been formatted per the given specifications and uploaded into the appropriate feature classes of the SBI Data Transfer Model. Wireline availability is contained within census blocks and road segments, wireless availability is contained as polygons of coverage areas, and middle-mile connections and Community Anchor Institutions are contained as point data. All speed data is contained at the census block, road segment, or wireless polygon level of availability. All efforts have been made to comply with formatting, domain, and metadata requirements to include as much information as possible.

Connected Nation has continued outreach to satellite providers on their availability, technology, and speed information, but granular coverage is not yet available. Submitted within the wireless feature class are the satellite companies providing service to Ohio as a polygon of the state boundary. Efforts will continue to collect, process, or otherwise create more granular satellite data based on availability analyses and guidance received from NTIA. Process development is underway at CN as well to be able to create more granular satellite coverage based on satellite equipment positioning and geographic inputs.

**MERGERS AND ACQUISITIONS**

Throughout the course of the SBI program, CN has maintained a repository of electronic records related to its provider outreach activities. Recently, due to the high volume of mergers and acquisitions (M&A) within the provider community, CN elected to create a listing of M&A activities for this mapping cycle as a way of supplementing the Provider Changes and Corrections section of this document. M&A activities for this state are listed below with a brief description and date as obtained through public records or provider disclosure.

- **Armstrong Utilities Inc. Acquired S. Bryer Cable TV Corporation, Inc.**  
Milestone Communications, Inc., a leading brokerage firm serving the cable telecommunications industry, served as advisor to S Bryer Cable TV Corporation, Inc. in the sale of its cable television system serving 769 revenue-generating units in portions of Ashtabula and Trumbull Counties in Ohio to Armstrong Utilities, Inc. Michael W. Drake of Milestone Communications represented S Bryer Cable TV Corporation, Inc. in the transaction.
- **CenturyLink Merged with Qwest**  
On April 1, 2011, CenturyLink, Inc. (NYSE: CTL) and Qwest Communications completed their merger, creating the nation's third largest telecommunications company. The combined companies will deliver a broader range of communications services to consumers and small businesses throughout its 37-state service area and to business, wholesale, and government customers nationwide via its 190,000 route mile fiber network.
- **Hometown Cable Acquired gWireless**  
On August 4, 2009, the notes of a presentation to the Preble County by Bill Kessler of G Wireless presented on behalf of his company and Hometown for a border-to-border wireless broadband system stated that “Hometown Cable is acquiring G Wireless.” The Hometown Cable website confirms the acquisition with the statement, “Thank you for your interest in Hometown Cable Wireless Division, formerly g-Wireless, Inc.”
- **Level 3 Acquired Global Crossing**  
The Global Crossing website confirmed that Level 3 and Global Crossing joined forces under the brand name Level 3 on October 4, 2011.
- **Time Warner Acquired Cobridge Operation**  
The *Bellefontaine Examiner* website reported on May 13, 2011, that Time Warner Cable had purchased Cobridge Broadband’s local operation on May 2, 2011. The Monitor, a JSI Capital Advisors blog confirmed on December 14, 2011, that Time Warner picked up a cable system in Ohio from Cobridge Communications.
- **Windstream Acquired PAETEC**  
The News section of the Windstream website dated December 1, 2011, announced that it had completed the acquisition of PAETEC Holding Corp. in a transaction valued at approximately \$2.3 billion.
- **Zayo Acquired American Fiber Systems**  
On October 1, 2011, Zayo Group, a provider of telecom and internet infrastructure services, announced that it had closed its previously announced transaction to purchase American Fiber Systems (AFS), a leading provider of metropolitan fiber network and telecom services. The acquisition adds approximately 1,000 route miles of metropolitan fiber footprint and over 600 incremental buildings. AFS operated in nine markets, six of which are new markets for Zayo Group and three of which bolster Zayo’s network in existing markets.

## OHIO FIELD VALIDATION METHODOLOGY

CN focused a portion of its time on specific validation processes such as:

- conducting random spectrum analysis studies throughout the state using an Avcom PSA-37-XP spectrum analyzer;
- conducting mobile speed tests throughout the state using an iPhone, Android (or other smart phone) as well as provider-specific aircards (Sprint 3G/4G, Clearwire et al);
- identifying pre-selected, provider-submitted wireless transmit tower sites and cross-referencing data about that tower against the Federal Communications Commission (FCC) databases such as Antenna Structure Registration and/or the Universal Licensing System;
- cross-referencing Federal Registration Number data against available FCC Form 477 data as well as the FCC **CO**mmission **RE**gistration **S**ystem (CORES);
- validating provider submitted data (for example: latitude/longitude) using a handheld Garmin eTrex Summit GPS unit or GPS enabled software such as Microsoft Streets and Trips;
- locating physical wire-line attributes (such as Central Offices, Remote Terminals, CATV plant, etc.) and comparing them against provider submitted data; and
- conducting on-net and off-net speed tests using the FCC portal at <http://www.broadband.gov/qualitytest/about/> or using the Ookla Net Metrics enabled speed test utility located on each of CN's state specific websites.

Additionally, CN cross-referenced numerous public documents in order to ensure that all known broadband providers were located and contacted. This included searching membership logs from trade associations (WISPA, WCAI, PCIA, etc.), the Cable Television Fact Book, Public Utility Commission records, Public Service Commission records, Chamber of Commerce, etc.

To date, Connected Nation's staff conducted on-site validation tests in Ohio on the following providers: 1 Touch Technology; Access Ohio Valley; Amplex Internet; AT&T, Inc.; Avolve; Bascom Mutual Telephone (d.b.a. BrightNet-Bascom); Benton Ridge Telephone (d.b.a. W.A.T.C.H. TV); BluSky Wireless; Buckeye Cablevision, Inc.; Buckland Telephone; Celerity Networks; CenturyLink; Champaign Telephone; Cincinnati Bell Telephone Company LLC; Cincinnati Communications, LLC; City Net Fiber; Clearwire Corporation; Comcast; Computers4U; ConnectLink; Country Connections LLC; Coyote Wireless; Dark Horse Wireless; Databit Solutions; DuplexCom of Ohio, LLC; Eagle Communications, LLC; Frontier Communications Corporation (d.b.a. Citizens Communications); GMN Wireless; Horizon Telecom, Inc.; Hometown Cable Company; Intellwave LLC; Insight Communications of Central Ohio, LLC; JB-Nets LLC; Jenco Wireless; Just Micro Digital Services, Inc.; KeyOn Communications, Inc.; Leap; Level 3 Communications LLC; LightSpeed Technologies; MegaPath, Inc; MetaLINK; Mikulski Communications LLC; Mobilecomm (d.b.a. Heavenwire); New Era Broadband LLC; New Knoxville Telephone; NextGen Access; North West Net, Inc.; nTelos (d.b.a. Ohio FiberNet); OmniCity; One Communications Corporation; PAETEC Communications. Inc. (formerly Cavalier Telephone and Talk America, Inc.); R.A.A. Services; Redbird Internet Services; Southern Ohio Communications Services, Inc. (also formerly Scioto Wireless); Sprint Nextel Corporation; Stratus Wave; Telephone Service Company; Time Warner Cable Access; T-Mobile; UData; Verizon

Communications, Inc.; Wavelinc Communications; Wilshire Wireless; Windstream; XO Communications; and Zayo Group LLC.

From program initiation through this reporting period, CN has completed in-the-field validation testing against 68 companies (out of a universe of 130 viable providers) totaling 52.31 percent within the state of Ohio. This percentage also considers the non-participating provider records submitted to NTIA as may be contained herein (see “Data Submission and Coverage Estimation of Non-Participating Provider” below).

CN has also continued to review provider datasets for accurate speed information, platform listings, and other intricacies that may fall outside of the standard SBI Data Transfer Model parameters. Any providers whose submitted coverage and attributes are anticipated to come into question have been further reviewed and confirmed; details on a case-by-case basis are presented below.

**Amplex Internet**

Issue: Fixed wireless platform with maximum advertised download speed in tier 7, higher than expected value range for the technology.

Resolution: Provider website advertises 10 Mbps service; screenshot below.

SPEED - Amplex Internet gives you reliable connections that surpass the competition. Our premium plans offer 3.5Mbps down with a 10MB Burst!\*

**AT&T Inc.**

Issue: DSL platform with maximum advertised download speed in tier 7, higher than expected value range for the technology.

Resolution: Provider website advertises 24 Mbps service; screenshot below.

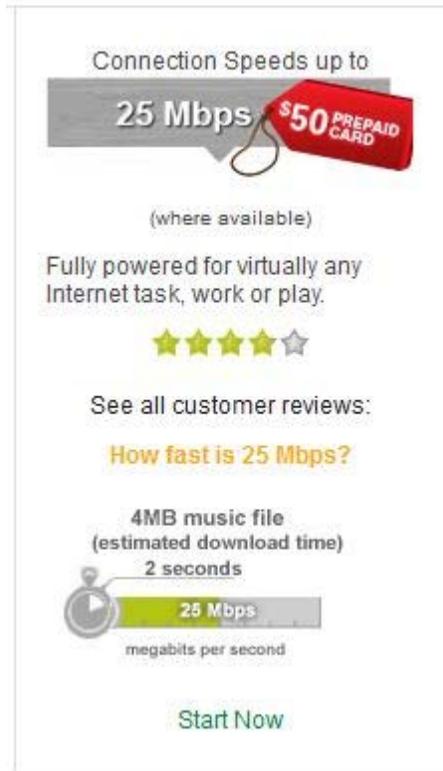
Compare Internet Packages

	Pro	Elite	Max	Max Plus	Max Turbo
Standard Monthly Rate	\$38*	\$43*	\$48*	\$53*	\$63*
Downstream Speed	Up to 3 Mbps	Up to 6 Mbps	Up to 12 Mbps	Up to 18 Mbps	Up to 24 Mbps

### CenturyLink

Issue: DSL platform with maximum advertised download speed in tier 7, higher than expected value range for the technology.

Resolution: Provider website advertises 25 Mbps service; screenshot below.



### Cequel Communications

Issue: Technology of transmission 40 with maximum advertised download speed in tiers 6 and 7, lower than expected value range for the technology.

Resolution: Provider representative confirmed that DOCSIS 3.0 is indeed in use, but speeds have not been turned up higher at this time.

**Conneaut Telephone Company**

Issue: DSL platform with maximum advertised download speed in tier 7, higher than expected value range for the technology.

Resolution: Provider website advertises 24 Mbps service; screenshot below.

SERVICE	PRICE
2.0MB/512k	\$29.95
8MB/768k	\$44.95
12MB/768k	\$59.95
24MB/1MB	\$74.95

**Just Micro Digital Services, Inc.**

Issue: Fixed wireless platform with maximum advertised download speed in tier 7, higher than expected value range for the technology.

Resolution: Resolution outstanding as information on the towers being reported as tier 7 service were received in 2010 when they were part of the service area for the provider Innovative Fiber Optic Solutions (aka iFiber). Due to the passing of the owner of Just Micro Digital Services and the service being in transition currently, we were unable to confirm the current speeds available on those towers.

**Massillon Cable TV, Inc.**

Issue: Technology of transmission 40 with maximum advertised download speed in tier 7, lower than expected value range for the technology.

Resolution: Provider website confirms use of DOCSIS 3.0 with the lower speeds.

- DOCSIS 3.0 High-Speed Data- Maximize your online experience with download speeds up to 10 Mbps, upload speeds up to 1.5 Mbps and 3 email addresses included for only \$159.95/month.

### TDS Telecommunications Corporation

Issue: DSL platform with maximum advertised download speed in tier 7, higher than expected value range for the technology.

Resolution: Provider website advertises 15 Mbps service; screenshot below.



15Mbps High-Speed Internet

▶ Check availability to see pricing information!

Serious Internet speed for serious Web surfers. Great for video watchers, gamers, and those who work from home but don't care for the new meaning of whoosh.

Check Availability ▶

5Mbps High-Speed Internet

▶ Check availability to see pricing information!

5Mbps Broadband Internet makes everything you do online faster and easier. Enjoy a fast high-speed connection, and quicker uploads and downloads.

Check Availability ▶

### T-Mobile USA, Inc.

Issue: Mobile wireless platform with maximum advertised download speed in tier 7, higher than expected value range for the technology.

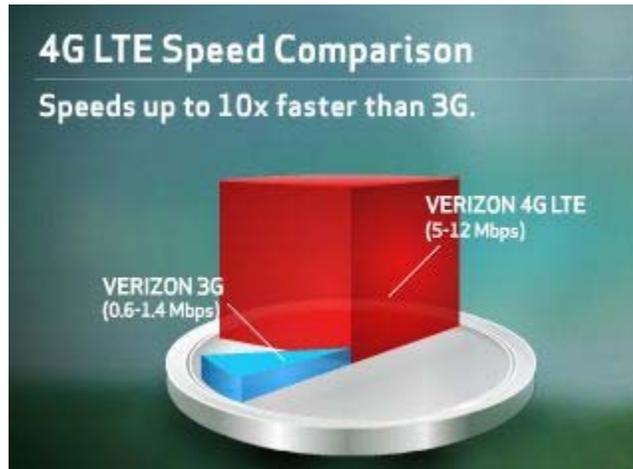
Resolution: Provider website confirms that speeds greater than tier 6 are available; screenshot below.

T-Mobile customers with 4G phones are already experiencing data speeds that are comparable to or faster than the speed of a home broadband network. And with recent improvements to our 4G network-doubling our theoretical download speeds-we're giving our customers enhanced 4G data speeds. We've seen average download speeds on our HSPA+ 42 Mbps-capable data stick approaching 10 Mbps with peak speeds of 27 Mbps, and download speeds approaching 8 Mbps with peak speeds of 20 Mbps on our upcoming HSPA+ 42 Mbps-capable smartphones.

**Verizon Communications, Inc.**

Issue: Mobile wireless platform with maximum advertised download speed in tier 7, higher than expected value range for the technology.

Resolution: Provider website advertises 12 Mbps service; screenshot below.



**Windstream Communications**

Issue: DSL platform with maximum advertised download speed in tier 7, higher than expected value range for the technology.

Resolution: Provider website advertises 12 Mbps service; screenshot below.

See which of our speeds matches your online activities. Choose the right Internet speed (WATCH VIDEO)	3 Mbps (Basic Use)	6 Mbps (Most Popular)	12 Mbps (Fastest Option)
E-mail friends	X	X	X
Browse the Internet	X	X	X
Bank online	X	X	X
Shop for deals	X	X	X
Download music	X	X	X
Connect with friends on Facebook and Twitter	X	X	X
Use wireless home networking	X	X	X
Download large files		X	X
Stream video		X	X
Watch TV shows online			X
Play online games			X

## DATA SUBMISSION AND COVERAGE ESTIMATION OF NON-PARTICIPATING PROVIDER

### Insight Communications

As part of its ongoing broadband mapping efforts, Connected Nation has developed a series of processes with the goal of submitting mapping data to NTIA for every known and qualifying broadband provider, regardless of whether the provider has chosen to support and participate in the SBI mapping initiative.

The following narrative provides detail regarding the recent data collection activities related to Insight Communications, a cable broadband internet provider, located in Central Ohio, with a service area around Columbus. The narrative will include information regarding how and where CN obtained publicly available data and the consumer-provided validation techniques that support the underlying data.

#### April 2012 Submission Commentary

Connected Nation created this coverage estimation document during the October 2011 submission period as a result of the ongoing non-participatory status of the provider. In addition to the 4 instances of e-mail and/or telephone communication during the October 2011 submission period (as previously reported), CN made several additional attempts to contact the provider during this mapping cycle and was informed that Time Warner was in the process of acquiring the assets of Insight Communications.

CN closely monitored the provider's website to identify any changes in the coverage area or maximum advertised speeds but did not locate evidence of any recent changes. To that end, CN is resubmitting this coverage estimation narrative, substantially in its original format, and will continue to monitor the provider's website as well as ensure ongoing outreach until either the expiration of the SBI grant or until such time as the provider voluntarily contributes data. However, CN anticipates that Time Warner will voluntarily submit data once they have a comprehensive understanding of the service area).

Documentation supporting this acquisition is illustrated herein:

*(LOUISVILLE, KY), February 29, 2012 – Time Warner Cable today announced that it has completed its previously announced acquisition of Insight Communications, becoming the new local provider of high-speed Internet, video and voice services to additional communities (see list below) in Kentucky.*

*The acquisition adds more than 760,000 customers throughout Kentucky, Ohio and Indiana to Time Warner Cable's operations.*

*"Today we are pleased to welcome new customers, new employees and new communities to Time Warner Cable," said , " said Glenn Britt, Chairman and CEO of Time Warner Cable. "We are excited to begin building on Insight's successes and serving our new customers."*

*Time Warner Cable noted that it will mostly remain “business as usual” for former Insight customers as the company begins the day-to-day management of the new areas. The transition will be gradual to ensure a positive customer experience, Time Warner Cable said. The company plans to introduce its advanced, innovative cable products and services later this year and will keep customers well informed of those plans.*

### **The Issue**

Insight Communications, by its lack of responsiveness since January 20, 2011, has predicated its unwillingness to participate in the Ohio broadband mapping initiative.

### **Identification of Provider’s Service Plans, Service Area, Legal Name, d.b.a., and FRN**

CN began building a file based on research information and, as time progressed, enriched the file with information obtained through the public domain. For example, CN reviewed the provider’s website ([www.myinsight.com](http://www.myinsight.com)) to determine the residential service plans (**Exhibit A**) and the service area (**Exhibit B**) of the provider’s cable network. A search for a Federal Registration Number (“FRN”) on the FCC **CO**mmission **RE**gistration **S**ystem (“CORES”) system yielded an FRN of 0003748324 (**Exhibit C**) with contact information relative to the owner of the company.

Exhibit A: Service Plans

**Need for Speed**

Up to 7 Meg Internet.  
Surf at High-Speed.



**\$35.00** /mo

Continue ▶

What's Included:

**Road Runner**

- ▶ Fast Internet with download speeds up to 7 Meg.
- ▶ Upload speeds up to 512Kbps.
- ▶ Includes Wireless Home Networking
- ▶ FREE security software.
- ▶ 1 year price guarantee
- ▶ 1 year contract required

**Up to Twice as Fast**

Up to 15 Meg Internet.  
Perfect for Wireless.



**\$45.00** /mo

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What's Included:

**Road Runner Turbo**

- ▶ Fast Internet with download speeds up to 15 Meg.
- ▶ Upload speeds up to 768Kbps.
- ▶ Includes Wireless Home Networking
- ▶ FREE security software.
- ▶ 1 year price guarantee
- ▶ 1 year contract required(Must maintain at least RoadRunner)

Exhibit B: Service Area

Indiana	Kentucky	Ohio
Alexandria	43001	Columbus 43223
Amanda	43102	Columbus 43224
Ashville	43103	Columbus 43227
Baltimore	43105	Columbus 43229
Blacklick	43004	Columbus 43231
Brice	43109	Columbus 43232
Canal Winchester	43110	Columbus 43235
Carroll	43112	Columbus 43240
Columbus	43209	Delaware 43015
Columbus	43211	Etna 43018
Columbus	43213	Gahanna 43230
Columbus	43215	Galena 43021
Columbus	43216	Groveport 43125
Columbus	43217	Johnstown 43031
Columbus	43219	Kilbourne 43032
Columbus	43222	Lancaster 43130
		Lewis Center 43035
		Lithopolis 43136
		Lockbourne 43137
		Millersport 43046
		New Albany 43054
		Pataskala 43062
		Pickerington 43147
		Powell 43065
		Reynoldsburg 43068
		Sunbury 43074
		Westerville 43081
		Westerville 43082
		Worthington 43085

Exhibit C: Federal Registration Number

Registration Detail	
FRN:	0003748324
Registration Date:	08/30/2000 04:20:35 PM
Last Updated:	03/06/2009 01:28:31 PM
Business Name:	Insight Communications of Central, Ohio, LLC
Business Type:	Private Sector , Limited Liability Corporation
Contact Organization:	Insight Communications Company
Contact Position:	
Contact Name:	Daniel Mannino
Contact Address:	810 7th Avenue, 40th Floor New York, NY 10019 United States
Contact Email:	mannino.d@insight-com.com
Contact Phone:	(917) 286-2257
Contact Fax:	(917) 286-2303

**Preliminary Identification of Provider’s Coverage Area**

Connected Nation extracted the Insight Communications service area listing from its website based on the ZIP Code listings provided. Each ZIP Code was checked for cable broadband availability and information entered into a spreadsheet for reference (**Exhibit D**). Each ZIP Code has a website listing as to whether cable broadband Internet is available in addition to the basic cable TV offering, or if only cable TV is available. If cable broadband Internet was determined to be available in the ZIP Code, the available service plan packages were reviewed for maximum advertised download and upload speeds (**Exhibit A**). All ZIP Codes with cable broadband available indicated a maximum download speed of 15 Mbps and a maximum upload speed of 768 Kbps.

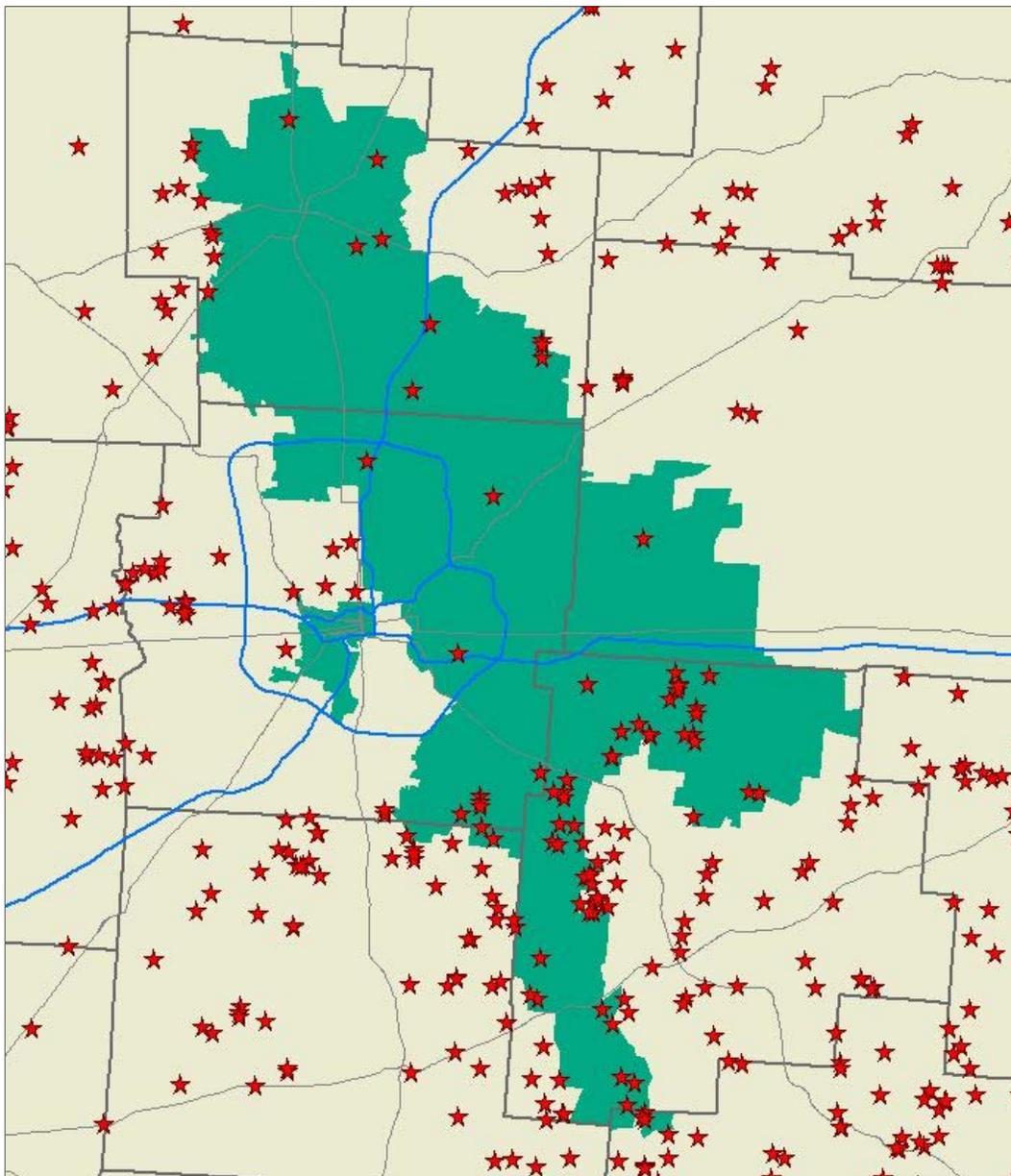
**Exhibit D: ZIP Code Availability of Cable Broadband**

City	ZipCode	Cable Broadband	Download Speed	Upload Speed	City	ZipCode	Cable Broadband	Download Speed	Upload Speed
Alexandria	43001	no			Columbus	43240	yes	15 Mbps	768 Kbps
Amanda	43102	yes	15 Mbps	768 Kbps	Delaware	43015	yes	15 Mbps	768 Kbps
Ashville	43103	no			Etna	43018	yes	15 Mbps	768 Kbps
Baltimore	43105	yes	15 Mbps	768 Kbps	Gahanna	43230	yes	15 Mbps	768 Kbps
Blacklick	43004	yes	15 Mbps	768 Kbps	Galena	43021	yes	15 Mbps	768 Kbps
Brice	43109	yes	15 Mbps	768 Kbps	Groveport	43125	yes	15 Mbps	768 Kbps
Canal Winchester	43110	yes	15 Mbps	768 Kbps	Johnstown	43031	no		
Carroll	43112	no			Kilbourne	43032	yes	15 Mbps	768 Kbps
Columbus	43209	yes	15 Mbps	768 Kbps	Lancaster	43130	no		
Columbus	43211	yes	15 Mbps	768 Kbps	Lewis Center	43035	yes	15 Mbps	768 Kbps
Columbus	43213	yes	15 Mbps	768 Kbps	Lithopolis	43136	yes	15 Mbps	768 Kbps
Columbus	43215	yes	15 Mbps	768 Kbps	Lockbourne	43137	no		
Columbus	43216	yes	15 Mbps	768 Kbps	Millersport	43046	yes	15 Mbps	768 Kbps
Columbus	43217	yes	15 Mbps	768 Kbps	New Albany	43054	yes	15 Mbps	768 Kbps
Columbus	43219	yes	15 Mbps	768 Kbps	Pataskala	43062	yes	15 Mbps	768 Kbps
Columbus	43222	yes	15 Mbps	768 Kbps	Pickerington	43147	yes	15 Mbps	768 Kbps
Columbus	43223	yes	15 Mbps	768 Kbps	Powell	43065	yes	15 Mbps	768 Kbps
Columbus	43224	yes	15 Mbps	768 Kbps	Reynoldsburg	43068	yes	15 Mbps	768 Kbps
Columbus	43227	yes	15 Mbps	768 Kbps	Sunbury	43074	no		
Columbus	43229	yes	15 Mbps	768 Kbps	Westerville	43081	yes	15 Mbps	768 Kbps
Columbus	43231	yes	15 Mbps	768 Kbps	Westerville	43082	yes	15 Mbps	768 Kbps
Columbus	43232	yes	15 Mbps	768 Kbps	Worthington	43085	yes	15 Mbps	768 Kbps
Columbus	43235	yes	15 Mbps	768 Kbps					

### **Broadband Inquiries and Consumer Feedback**

The estimated coverage created by the ZIP Codes that were confirmed to have cable broadband available per the Insight Communications website were then refined through the review of broadband inquiries. Broadband inquiries are a set of crowdsourced data where consumers provide feedback on the available, or more importantly, unavailable, broadband services in their area. This information allowed Connected Nation to refine the estimated coverage by reviewing which inquiries indicated broadband service was not available at their location in Central Ohio (**Exhibit E**).

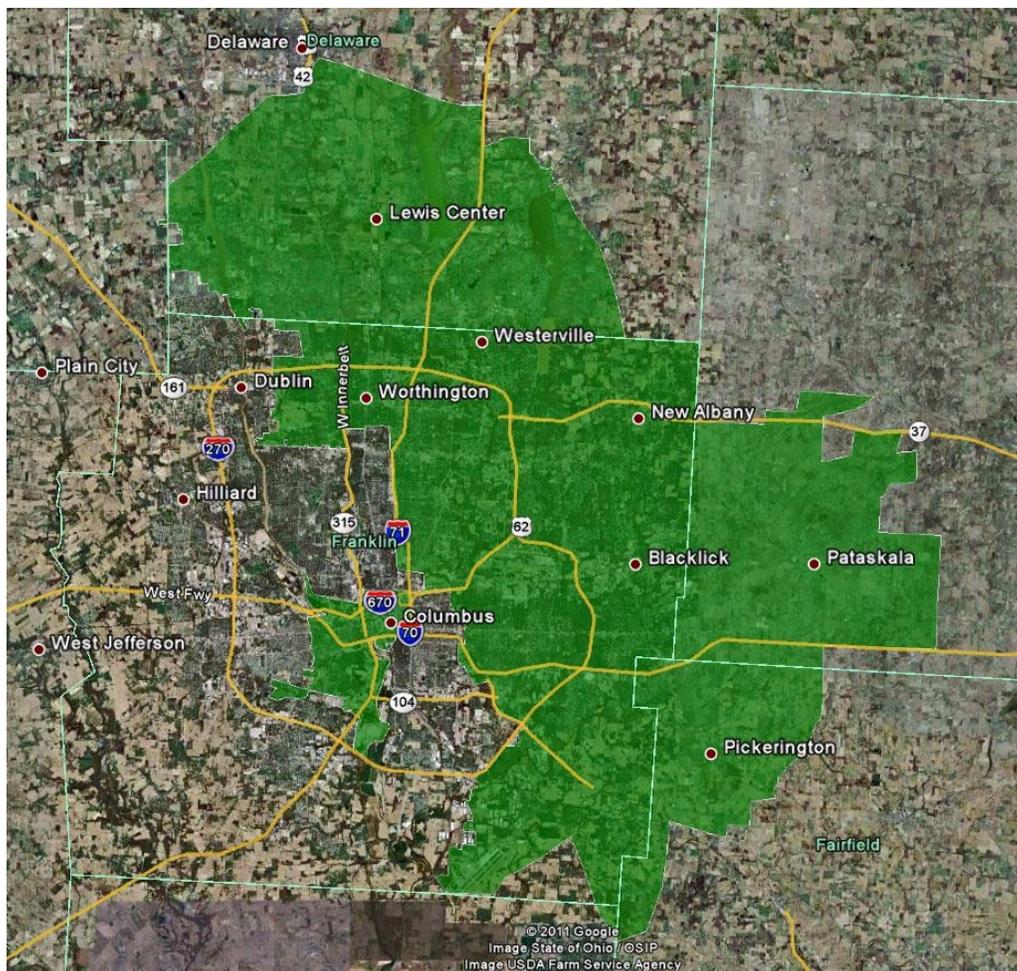
**Exhibit E: Insight Communications Estimated Coverage and Broadband Inquiries**



**Background Results and Submission for April 2012**

Based on the broadband inquiries submitted by consumers, the estimated coverage area for Insight Communications was refined to a display that Connected Nation felt better represented the actual cable broadband service area. A composite map was created based on all information acquired on the service area of this provider in Central Ohio (**Exhibit F**). A map of the estimated cable broadband coverage was forwarded to Insight Communications and provider representatives were advised the information will be submitted to Connect Ohio and the NTIA broadband mapping project for processing if there are no discrepancies of the estimated coverage received from the provider within a 48-hour period. Representatives from the respective companies suggested that it should only be a matter of time before data can (and will) be submitted for this SBI project. CN and Time Warner have a long history of collaboration, an executed NDA already in place, and a collective desire to represent broadband coverage areas as accurately as possible. Thus, it is CN's expectation that Time Warner should be able to report broadband coverage and maximum advertised speeds (in the former Insight systems) during the October 2012 mapping cycle, thereby eliminating the need to resubmit this NPP methodology narrative in future submissions.

**Exhibit F: Insight Communications Composite Coverage**



## Just Micro Digital Services, Inc.

As part of its ongoing broadband mapping efforts, Connected Nation has developed a series of processes with the goal of submitting mapping data to NTIA for every known and qualifying broadband provider, regardless of whether the provider has chosen to support and participate in the State Broadband Initiative (SBI) program.

The following narrative provides detail regarding the recent data collection and coverage estimation activities related to Just Micro Digital Services, Inc. (d.b.a. Just Micro .Net), a wireless Internet service provider (WISP), located in Southeast, Ohio, with a service area around Brown, Clinton, Clermont, Fayette, Highland, and Warren counties. The narrative will include information regarding how and where CN obtained publicly available data and the on-the-ground validation techniques that support the underlying data.

### **Background**

Just Micro Digital Services, Inc. voluntarily participated in the April and October 2010 mapping cycles and, on January 26, 2011, notified CN that it refused any further participation in the Connect Ohio and National Broadband Map initiatives. Furthermore, the provider requested that its wireless coverage be removed from the Connect Ohio map. From January 26, 2011, to present, CN staff members have continued trying to obtain the participation of the provider with 3 instances of communication via telephone and e-mail sessions; however, the requests were never acknowledged.

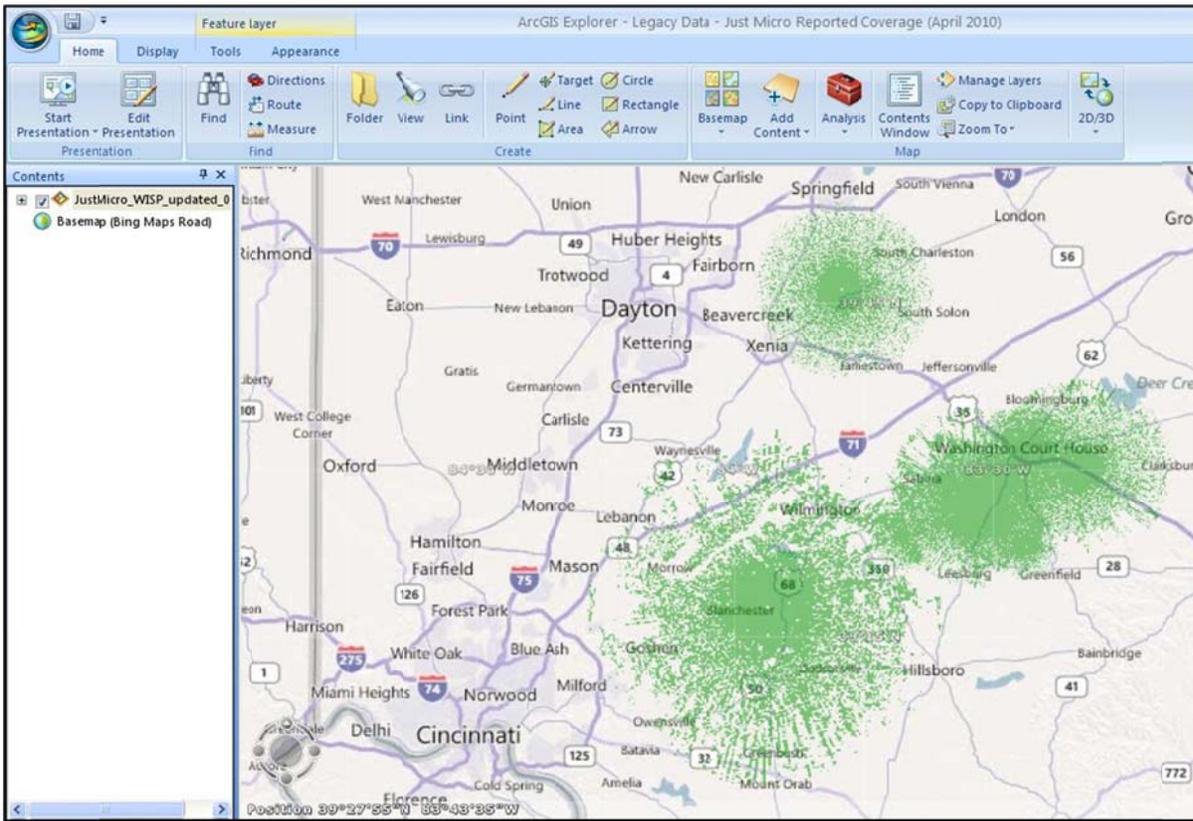
### **The Issue**

Just Micro Digital Services, Inc., by its lack of responsiveness since January 26, 2011, has predicated its unwillingness to participate in the Connect Ohio broadband mapping initiative.

### **Identification of Provider's Service Plans, Service Area, Legal Name, d.b.a., FRN, and Licensing**

Given that CN was already in possession of a dataset from April 2010 (**Exhibit A**) CN began building a file based on research information and, as time progressed, enriched the file with information obtained through the public domain. For example, CN reviewed news articles on the provider's then current website ([www.justmicro.net](http://www.justmicro.net)) and videos available on YouTube ([www.youtube.com/user/eatmoresoap/featured](http://www.youtube.com/user/eatmoresoap/featured)) collectively (**Exhibit B**) all related to the provider's wireless network. A search for a Federal Registration Number ("FRN") on the FCC **CO**mmission **RE**gistration **S**ystem ("CORES") system yielded an "no match" (**Exhibit C**). Additionally, the FCC Universal Licensing System (ULS) was searched to determine if the provider was the authorization holder of any spectrum; this search also yielded "no match" (**Exhibit D**).

### Exhibit A: Service Area as of April 2010



### Exhibit B: Public Data Sources

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Internet companies expanding into Butler County

By Chelsea Livingston, Staff Writer  
11:25 PM (Sun), January 2, 2011

MIDDLETOWN — Several Internet providers are looking to expand into local markets, which is good news for former Innovative Fiber Optic Solutions customers. Mitchell Smith of Elk Creek Road, Middletown, lost fiber service Dec. 23. He said he was a customer since the company's inception, about four years.

iFiber has closed out of fears it would be cut off based on a court settlement between its owner, the late businessman Perry Thatcher, and Cincinnati Bell. Thatcher owned the company Normap, which provided the infrastructure for iFiber's service. Thatcher's estate reached a court settlement in November in which Normap will be owned by Cincinnati Bell.

Area Internet companies plan to grow in Butler County by building up fiber networks, opening closer offices and increasing speeds. In addition to Cincinnati Bell, options include TW Telecom, JustMicro Digital Services Inc., Datacom Specialists and Open Range Communications.

"We have a lot of large and small customers in Butler County and everything in between," said Tim Raffel, Cincinnati general manager for TW Telecom.

Littleton, Colo.-based TW Telecom has offices in Dayton and West Chester Twp. TW Telecom is a fiber-based network that offers voice, phone and data services for business customers, Raffel said. The speed of its services go from a T1 line with 1.5 megabytes and up, depending on what customers need and can afford.

The average installation time is 30 to 45 days, he said.

Robert West, owner of Just Micro Digital Services, said he was contacted in early December by representatives of about 65 former iFiber customers in Warren County. Based in Washington Court House, West is planning to open an office in Blanchester in Warren County. Currently he offers residential and business fixed wireless Internet service that's available from south of Columbus to Cincinnati on fiber and copper lines.

The service has download and upload speeds of two megabits per second for \$29 month, West said. He's also looking to buy access to a fiber optic network to improve the experience and prices.

Residents and businesses also have the option of Datacom Specialists of Cincinnati, a technology solutions company. It started offering wireless services in Butler County last year and is expanding north of Cincinnati, said Chief Executive Officer Liam Cummings. In addition to reaching more areas, Datacom is increasing its speeds. The minimum speed available now is three megabytes for a standard residential package, which the technology company plans to have jacked up to five megabytes by the end of the month.

"Our goal is just to provide them speed just as if they were in the city," Cummings said.

Datacom's coverage area includes most of Preble County and stretches north from Cincinnati to Collinsville in Butler County for now, he said.

Open Range Communications, a fixed wireless provider, launched its wireless Internet services in Trenton in September. It sells a Freedom 4G device that has Internet, Wi-Fi, router, phone and answering machine capabilities.

Contact this reporter at (513) 766-3551 or devinston@coxohio.com.



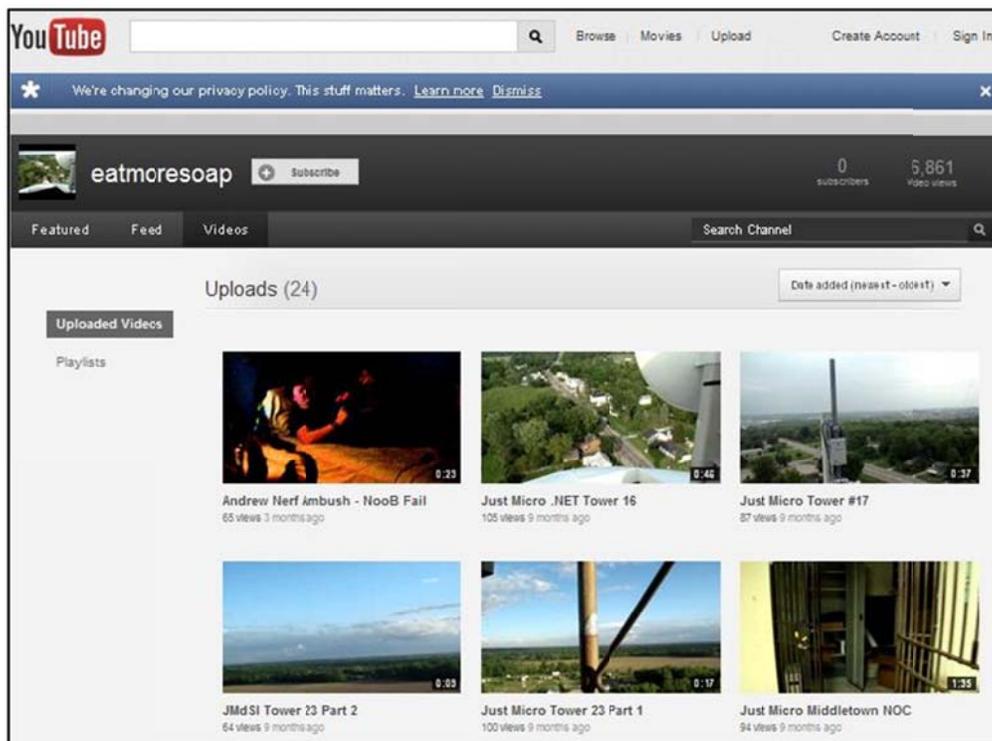
**\* Just Micro .NET \***  
**Affordable Internet For Everyone**

*Now Offering Affordable High Speed Wireless Internet In Limited Areas\**

[Web Mail](#)

Affordable Dial-Up Internet Service is Only  
**\$5.99**  
Per Month with NO setup fees and NO contracts

\*Now Offering High Speed Broadband Wireless Internet  
In Limited Areas of  
Southern Fayette County  
Eastern and Southern Clinton County  
Northern Brown County  
South Eastern Warren County  
North Eastern Clermont County  
Small Portion of Western Highland County



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 <b>JMd SI Tower 23 Part 2</b> 64 views 9 months ago	 <b>Just Micro Tower 23 Part 1</b> 100 views 9 months ago	 <b>Just Micro Middletown NOC</b> 94 views 9 months ago

### Exhibit C: Federal Registration Number

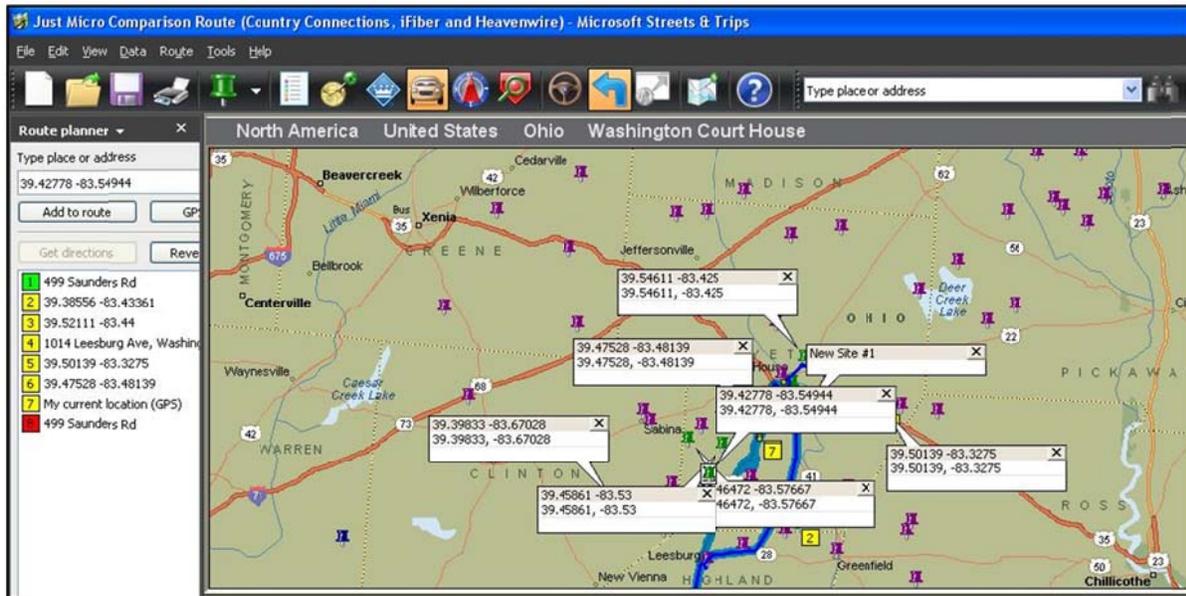


### Exhibit D: License Reference



**Preliminary Identification of Provider’s Coverage Area:** Since CN was in possession of the April 2010 dataset for Just Micro Digital Services, Inc., as well as the April 2010 dataset of Innovative Fiber Optic Solutions (d.b.a. iFiber) referenced in the January 2, 2011, news article (found in Exhibit B), the CN engineer was able to isolate 10 Just Micro Digital Services, Inc. wireless transmit sites and the 9 Innovative Fiber Optic Solutions wireless transmit sites. All 19 locations were entered into Microsoft *Streets & Trips* to develop a route for the data collection and validation process. An abbreviated route is presented herein as **(Exhibit E)**.

**Exhibit E: Validation Points for AP Structures**

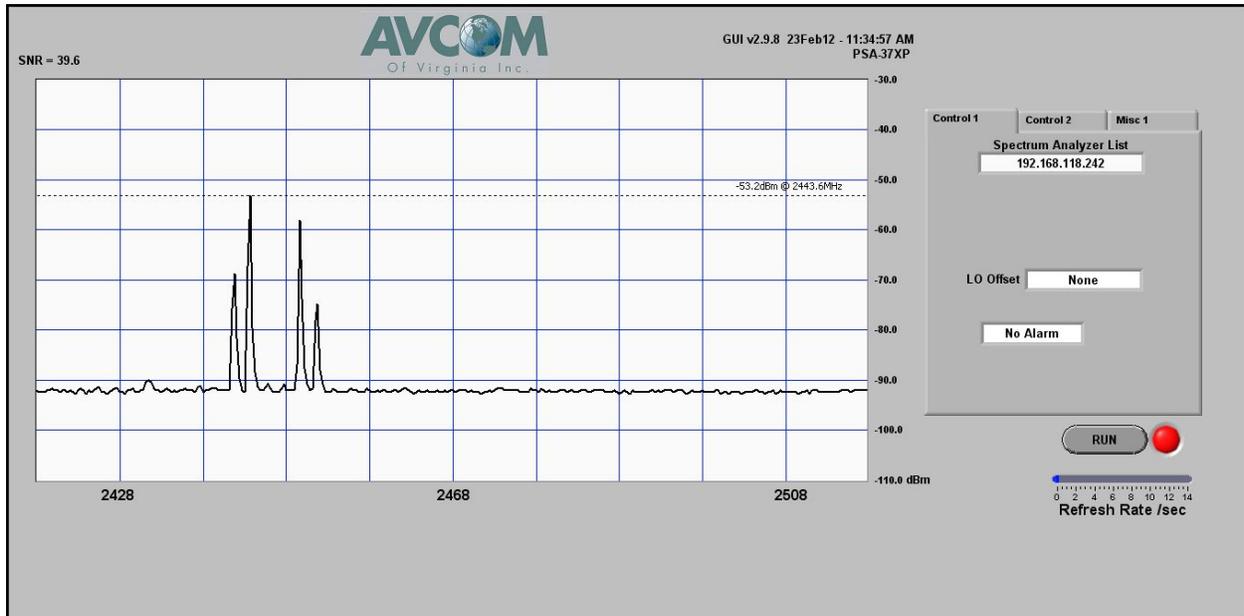


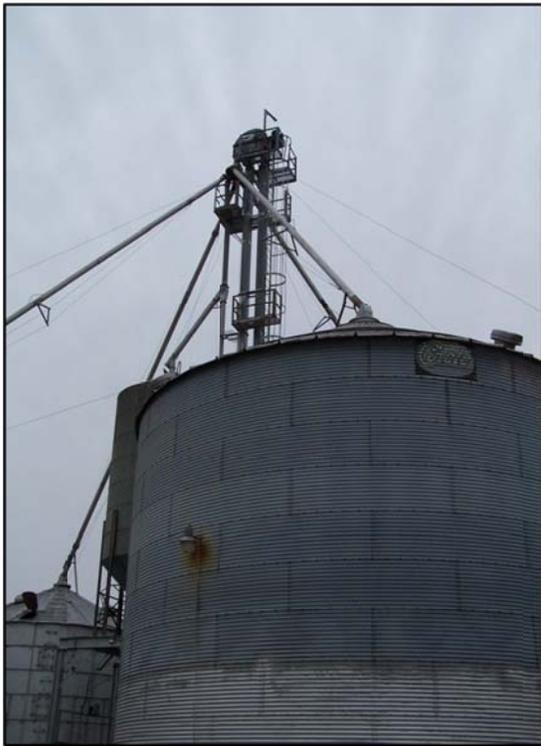
**Testing Techniques**

CN staff developed a data collection and site validation route based on information as outlined above. To ensure accuracy of coverage estimates, the CN engineer also included wireless transmit sites of neighboring WISPs to eliminate confusion when a transmit site was located. The CN wireless engineer was equipped with an AVCOM PSA-37XP analyzer with RF detection from 1 MHz to 6 GHz and an array of antennas tuned specifically for the 900 MHz, 2.4 GHz, 3.65 GHz, and 5 GHz frequency bands (**Exhibit F**). Each validation point was scrutinized for frequency of operation. A screen image of the operating frequency (or frequencies) was captured; general notes were recorded for each location-approximate antenna height, frequency of operation, antenna type (omni or sectored) and photographs were taken of the access points.

During the on-site testing, the CN wireless engineer identified an access point that was located immediately adjacent to the business office of a neighboring WISP. In order to clarify ownership of the wireless device, the CN engineer stopped by the office of the neighboring WISP and was informed that Robert West, the owner of Just Micro Digital Services, Inc., had recently been killed in an automobile accident (**Exhibit G**). As such, it is unclear what will happen with the wireless broadband system. CN awaits further information from Mr. West’s widow.

Exhibit F: Field Data for Just Micro .Net Office/Hub Location





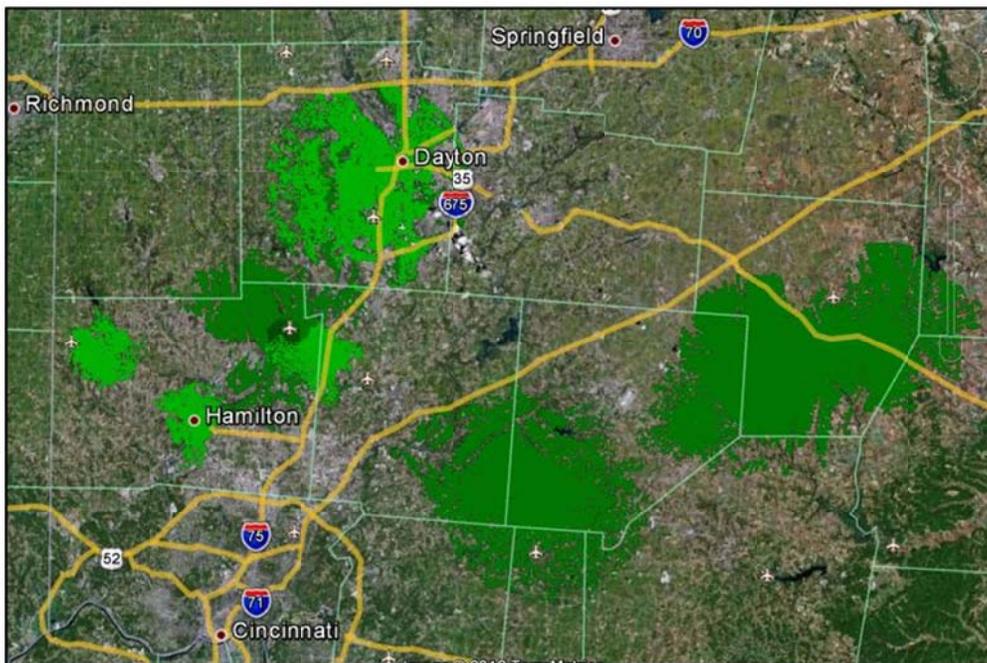
### Exhibit G: Obituary

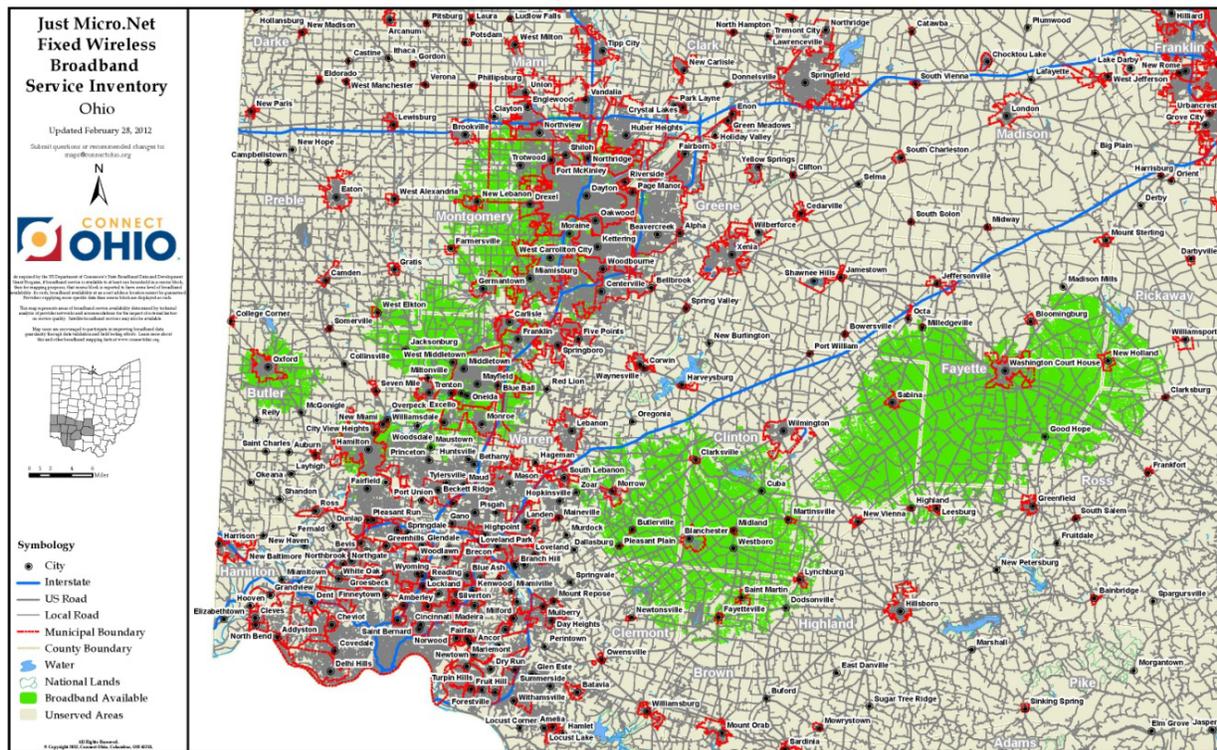
<a href="#">Home</a>   <a href="#">On Air</a>   <a href="#">News</a>   <a href="#">Sports</a>   <a href="#">On Demand</a>   <a href="#">Calendars</a>   <a href="#">Info</a>   <a href="#">Advertise</a>	<input type="text" value="Search/Keyword/Artist"/> <input type="button" value="GO"/>
<b>Robert E. West</b>	
<p>Robert Earl "Bob" Shumaker Charles G. "Bud" Taylor David Harlend Unger Mary K. Bennett Steven Ray Lemmings Laura (Baxla) Conway Noreen K. Boris Nordman Roy M. Allen ERNEST L. "JACK" WATSON James R. Bayless Lloyd Whitehead Mark Douglas Ferrell Ralph "Bud" Roush Robert E. West Patricia (Baker) Evans James H. Sallee GEORGE HENRY LAWSON Anna Lee Elliott Robert L. "Bob" Storer Robert Gilkison Shawn Oliver Jackson John "Fred" Fender Donald Alan Hazelwood</p>	<p>Robert E. West, 49, of Washington C.H., passed away Friday, Feb. 17, 2012 as a result of an automobile accident in Wood County, Ohio. Mr. West was born in Washington C.H. on June 6, 1962 to Robert and Lois Ferry West.</p> <p>Mr. West was the owner of Just Micro LLC and was the former owner of the Pizza Express in Washington C.H. and Hillsboro.</p> <p>He was preceded in death by a nephew, Caden Schroeder. In addition to his parents, Bob West of Washington C.H. and Lois West of Washington C.H. Bob is survived by his wife, Angie, of Washington C.H. three sons Jordan West of Niagra Falls, Andrew West of Washington C.H., Bryden West of West Virginia and a step son, Joshua Gordon of Ogdensburg, New York, a daughter, Comedy West of Niagra Falls, NY and two sisters, Mary (Craig) Schroeder of Powell and Lisa (Chris) Reeves of Washington C.H. He is also survived by three nieces, Brooklyn and Morgan Reeves, Addison Schroeder and a nephew, Logan Reeves.</p> <p>A Memorial service will be held Wednesday, Feb. 22, 2012 at 6:00 p.m. at the Morrow Funeral Home in Washington C.H. with Ernie Perry and Jon Creamer officiating.</p> <p>Friends may call the the funeral home in Washington C.H. Wednesday from 4:00 p.m. until the time of service. Memorial contributions may be made to the Bob West Memorial Fund.</p>

### Results and Submission for April 2012

Through the analysis of the combined 19 locations, the CN engineer was able to create a revised composite propagation study based on the information in hand and collected during the field validation (**Exhibit H**).

### Exhibit H: Just Micro Digital Services, Inc. Wireless Composite Coverage





### ACCURACY AND VERIFICATION: PROVIDER VALIDATION METHODOLOGY

Broadband providers maintain their service area data in many different formats, all in varying levels of complexity and granularity. In order to ensure that the data required by the NTIA is standardized across all providers and that it is as accurate as possible, CN translates and formats the data that providers are able to supply into a GIS shapefile and produces maps for the provider to review. The resulting map(s) and review process allow for providers to see their service area in a geographic format – for some providers, this is the first time they have seen maps of their broadband service area. Having the mapped service area allows providers to quickly identify any issues that appear in the data representation, whether the issue is in the data translation into a GIS format or from the original data collection and submission. Often data is provided from various sources and through the review and revision process, local engineers who operate the networks and work in the field are able to ensure that the tabular data that has been submitted is accurate and represents the real-world network extent. Any issues in how the service area is represented on the map(s) are remedied by CN, whether they are additions, removal of service, or any other revisions. Revised maps of service area representations are sent to the provider for review and approval; CN will revise data and return maps as many times as necessary until the provider is in agreement that the map represents their service area as accurately as possible. Once the review process has been completed and final approval of the data is provided, the data is deemed ready for NTIA submission.

Once the data collection has been aggregated at a statewide level, static maps of statewide and county-level availability are produced and made publicly available. In addition, consumers can visit the interactive online tool, BroadbandStat, to create customized views of broadband service areas and analyze corresponding demographic information. Leveraging broadband service data on various platforms allows for public users, providers, and other stakeholders to review, scrutinize, and provide feedback on the represented data. This feedback becomes a validation method in itself as consumers submit inquiries to CN either affirming where service is not available or identifying areas where broadband service is shown on the map, but in actuality is not available. This allows for a follow-up to providers regarding revisions to the data as it is represented; it also allows for CN to identify locations where on-site visits may be necessary to complete field validation of available services. Public feedback on all forms of mapping products serves as a localized validation method for provider-supplied information and allows CN to resolve inaccuracies as they are identified to ensure that only the highest quality information is provided to stakeholders.

Additionally, NPP narratives that were submitted in previous mapping cycles are subjected to the same level of scrutiny. Occasionally, a provider may elect to voluntarily participate (thus eliminating the need for future data estimation activities in the field). However, more often than not, the NPP narrative is updated with a combination of data gleaned from the provider's website, data obtained through FCC research and/or data collected/verified in the field by a CN staff engineer.

Estimates derived from provider-validated data indicate that approximately 1.60 percent of Ohio households do not have terrestrial fixed broadband service available, and approximately 0.35 percent<sup>1</sup> of Ohio households have neither mobile nor fixed broadband service available.<sup>2</sup>

Within rural areas of the state, results derived from provider-validated data indicate that approximately 3.19 percent of rural Ohio households do not have terrestrial fixed broadband service available, and approximately 0.68 percent<sup>3</sup> of rural Ohio households have neither mobile nor fixed broadband service available.<sup>4</sup> Please note that the availability estimates presented are based on Census 2010 household information.

---

<sup>1</sup> In accordance with NTIA's definition of available broadband service as specified in the SBI NOFA, this estimate includes both terrestrial fixed *and* mobile broadband service, if the service offers download speeds of at least 768 Kbps and upload speeds greater than 200 Kbps.

<sup>2</sup> Due to the nature of the SBI data collection methodology as defined by the NTIA and based on both census block geographic units and street segment data, the estimates of broadband availability derived from provider-validated data may include an overstatement of the actual number of households with broadband availability. Under the census block-based data collection method, a provider will typically report broadband availability for an entire census block whether its network is present across the whole or only a subset of that census block. This potential overestimation at the census block level can be amplified as the data is aggregated across the entire state.

<sup>3</sup> See footnote 1.

<sup>4</sup> See footnote 2.

## WIRELESS METHODOLOGY

### **Broadband Service Availability in Provider's Service Area Wireless Services Not Provided to a Specific Address**

Data solicited from a fixed wireless provider to create propagation models include, but are not limited to:

1. The name of the structure.
2. Whether the transmitting device is operational or proposed.
3. The maximum advertised downstream speed, the maximum advertised upstream speed.
4. The typical downstream speed, the typical upstream speed (peak periods for both).
5. The frequency range of spectrum being used (as prescribed by NTIA). In the case of NPP documents, this may include (but is not limited to) spectrum authorizations identified within the Federal Communications Commission (FCC) Universal Licensing System (ULS) database or located on the FCC's Spectrum Dashboard.
6. The primary population center(s) being served (for geopolitical boundary reference).
7. The physical address of the transmit site (in the event latitude/longitude is unavailable from the provider this allows a quick reference point for geocoding).
8. Latitude in either Degrees, Minutes, and Seconds and/or in Decimal Degrees (typically received as NAD 27 or NAD 83).
9. Longitude in either Degrees, Minutes and Seconds and/or in Decimal Degrees (typically received as NAD 27 or NAD 83).
10. Antenna pattern (e.g. omni-directional, 180°, 120°, 90°, etc.).
11. Azimuth of antenna (e.g. 360° with magnetic declination if known).
12. Approximate transmit radius (in feet, miles, or kilometers).
13. Polarity of transmit antenna (Vertical or Horizontal).
14. Transmit antenna gain (in dBi).
15. Line loss (applicable only to providers using coax, heliax, waveguide or other forms of cabling – excludes power-over-Ethernet devices).
16. Mechanical and/or Electrical beam tilt (if applicable).
17. Equipment Manufacturer (allows easy cross-reference against manufacturer's specification sheet).
18. Power output of the transmitting device (if unknown, FCC standards or manufacturer specifications are applied).
19. AMSL at base of tower site.
20. Antenna centerline AGL (height of antenna above ground level measured at the centerline of the actual antenna).
21. Foliage factors (Evergreens/Deciduous and percent of ground cover).
22. Ground Clutter (primarily used in rural areas to account for foliage and in metropolitan areas to account for types and heights of buildings if known).

23. Average gain of receive antenna.
24. Receive antenna is estimated at height above average terrain (HAAT) of 6.2 meters/20 feet.
25. Federal Registration Numbers (if applicable) which may allow opportunities to cross-reference and/or obtain additional data from the FCC's ULS and the **CO**mmission **RE**gistration System.

Propagation modeling combines scientific data and empirical mathematical formulation for the characterization of radio wave propagation as a function of frequency, distance, and other conditions. Propagation software(s) typically use the Irregular Terrain Model (also known as Longley-Rice) of radio propagation for frequencies between 20 MHz and 20 GHz. This model is based on electromagnetic theory and statistical analyses of the combination of terrain features and radio measurements, then predicting the median attenuation of a radio signal as a function of distance and the variability of the signal in time and in space. For metropolitan areas, the software can typically be adjusted to use the Okumura-Hata model which accounts for predicting the behavior of cellular transmissions in areas where buildings are the primary obstructions. The resulting product from either model depicts a graphical illustration of the theoretical propagation characteristics of a selected frequency range based on defined variables (receiver sensitivity of the home/mobile device, foliage factor, and digital elevation terrain input).

After converting propagation models into a geospatial format, additional processing is completed to remove the small pixels representing service present in the resulting dataset. These areas are initially created based on the parameters entered in the software from the provider equipment information, the underlying data parameters of elevation, hillshade, etc., and the limitations of the software itself to display a broadband service area as accurately as possible. Generally, these random pixel striations appear as a result of signal levels reaching the highest elevated points within the prescribed radius. Typically, while this pixilation anomaly shows legitimate areas where signals can be received, these highly elevated points may have exceedingly sparse populations or are entirely void of population. As a result, and congruent to the *Wireless Technology Methodologies and Business Logic* white paper submitted to NTIA on January 20, 2011, all independent pixels representing service that are less than 0.125 square miles in area have been removed from the geospatial representation of each wireless provider.

## **BROADBAND INQUIRIES METHODOLOGY**

CN collects consumer feedback in the form of broadband inquiries (BBIs). These inquiries represent any type of communication received from the public regarding broadband service. Once BBIs are received across the state, this information is overlaid with the broadband availability information which was collected through the SBI program. This allows for a real-world comparison of the broadband landscape to the information received from broadband inquiries. Consumers submitting these inbound comments and/or inquiries are able to provide information regarding three categories: 1) residents who do not have broadband but want it; 2) residents who have broadband

but want a different provider; and 3) residents who do not have broadband, but the broadband inventory maps indicate that they do.

BBIs are submitted frequently by consumers via the Connect Ohio website. Inquiries often seek help to identify local broadband provider options, or to learn when a specific provider may be able to provide service to that consumer. Consumer comments also provide information which may help modify maps with actual service area information. The primary objectives of CN regarding these inquiries are 1) to improve the accuracy of the state maps with submitted consumer information and follow-up field research; 2) to provide broadband options to consumers through cooperation with mapped providers and by facilitating new broadband service options; and 3) to map and analyze information from consumers about areas of unmet broadband demand and alternatives to currently mapped services. A prime example of the second option is the utilization of the Rural Utility Service satellite eligibility tool. By simply entering the consumer's address, the CN engineer can quickly determine if the consumer meets the initial qualification status for BIP satellite subsidies.

New BBIs are assigned to either the GIS department or the Engineering & Technical Services (ETS) team depending on the category entered by the consumer on the website submission form. The GIS or ETS team members respond to each inquiry according to the information requested by the consumer. Many BBIs can be resolved through desktop research; however, if a BBI requires research in the field, the assigned ETS team member conducts such research when performing field validations in the area of the inquiry, or at other such time as is practical and appropriate. GIS and ETS team members respond to and conclude BBIs via telephone contact and/or e-mail communication.

The broadband inquiry process has been implemented in each of the CN state programs with successful results. Altogether CN has received over 18,000 broadband inquiries since 2007, allowing the state programs to evaluate each inquiry for broadband demand and data verification. These inquiries are continuously examined against current broadband availability, updated every six months, to determine if previously unserved households have been expanded to and can now receive broadband at their residence. This database of broadband inquiries has also allowed the CN state programs to aggregate demand in concentrated areas to show providers the exact locations where the population has made it clear that they would purchase broadband if it was made available to them. Providers in the states have responded to this process and have expanded to areas knowing that their investment will be worthwhile. Data verification methods have also proven successful, as the state programs have been able to show those inquiries that indicate the broadband service areas are misrepresented on the map to providers, who then verify where service cannot reach in regard to that residence(s). The broadband coverage in these states has been altered to create a more accurate map based on the inquiries submitted by the public.

During this reporting period, the Connect Ohio project has received a total of 332 inquiries (1,510 grant inception to date). As more inquiries are submitted to Connect Ohio, a more thorough validation of the broadband landscape can be performed, while also allowing providers to see which areas have a high demand for broadband adoption.

## **BROADBANDSTAT METHODOLOGY**

BroadbandStat is an online, interactive mapping tool for viewing, analyzing, and validating broadband data. Developed through a partnership with ESRI, the market leader in geographic information system (GIS) software, BroadbandStat is a multi-functional, user-friendly way for local leaders, policymakers, consumers, and technology providers to devise a plan for the expansion and adoption of broadband.

First and foremost, BroadbandStat allows consumers to locate their residence and identify providers that offer broadband Internet service to that location. The interactive platform allows for users to build and evaluate broadband expansion scenarios using a wealth of data, including education and population demographics, broadband availability, and research about the barriers to adoption.

New functionality in BroadbandStat allows the consumer to provide feedback on the broadband data displayed on the interactive map. Through the collection of this feedback, a visual demand for broadband is presented. This visualization allows the CN state programs the ability to validate the broadband availability for accuracy. If residents within a region state they are without broadband, but the interactive map shows otherwise, this allows CN to approach the providers within that area in an effort to trim down their coverage to more accurately represent real-world availability on the ground.

The Connect Ohio project launched BroadbandStat on February 24, 2010, and has received a total of 10,405 visits to date, of which 2,150 occurred this reporting period.

## **SPEED TEST METHODOLOGY**

The 2,827 speed tests that are represented in the Connect Ohio Speed Test Report during this reporting period (11,568 grant inception to date) are the result of a partnership between CN and Ookla Net Metrics. Utilizing this relationship increases the level of confidence in the data being collected and provides for a far greater sample size than could be collected by a single testing site.

Ookla owns and operates Speedtest.net, as well as develops and deploys speed tests, such as the Connect Ohio speed test website, for partners around the world. This network of sites that is developed and run on its testing technology provides Ookla with a vast dataset that, due to the variability of geographic information collected across the varying speed test sites, is geocoded utilizing Geo-IP technology. This technology allows for tests to be geocoded to points of aggregation, typically larger nodes across provider networks. While there are hundreds of thousands of tests that have been conducted, the level of aggregation is only sufficient for county-level detail due to the test results being located at these larger nodes and not at an absolute location for each speed test.

In an effort to validate broadband data from the Connect Ohio project, speed test information is collected throughout the state. Speed tests provide speed information on the path taken through all networks (a provider's network as well as additional networks) a local machine must connect to in order to reach the host test. The benefit of this collection of speed information is two-tiered. First,

it allows for a comprehensive dataset of speeds, while also providing Connect Ohio with the information on where broadband services are available. Second, unlike theoretical speed information which was received through the data collection process, the use of speed tests provide real-world information on the speeds that currently exist within the state of Ohio.

### PROVIDERS DEEMED NON-VIABLE

The following list of companies represents the remainder of the broadband provider universe that was originally identified as complete for outreach to begin for the State Broadband Initiative. These providers are not included in the Data Package for the April 2012 submission because they have been deemed non-eligible under the parameters and guidance of the SBI grant program. This list of companies includes, but is not limited to: providers offering service but below the current definition of broadband, those that have gone out of business, technology consulting firms, infrastructure or network construction companies, etc.

	Company Name	URL	Comments
1	21Globe, Inc.	<a href="http://www.21globe.com/is/access/">www.21globe.com/is/access/</a>	General reseller of DSL and backhaul
2	650Net	<a href="http://www.650net.net/">www.650net.net/</a>	Dial-up only
3	A 007 Access	<a href="http://www.a007.com/">www.a007.com/</a>	General reseller of Quest DSL and mobile wireless; DSL does not qualify as the max advertised speed is 768 kbps x 128 kbps
4	AAA Internet Service	n/a	URL no longer in service
5	Aaccess Network Communications	<a href="http://www.aaccess.net/">www.aaccess.net/</a>	Not a broadband provider; installs and maintains WiFi systems
6	ACC-NET	<a href="http://www.acc-net.com/">www.acc-net.com/</a>	This company is no longer an active provider or in business
7	ACERX.NET	<a href="http://acerx.net/">http://acerx.net/</a>	General reseller but no contact information listed on website; requests for information were never returned
8	Adelphia	n/a	No longer in business; assets liquidated
9	Airespring, Inc.	<a href="http://www.airespring.com">www.airespring.com</a>	General reseller of VOIP, long distance and data circuits (non-residential)
10	Airewaves Broadband, LLC	<a href="http://www.airewaves.com">www.airewaves.com</a>	URL no longer in service
11	Airmail247.com	<a href="http://www.airmail247.com">www.airmail247.com</a>	Business mailing list search site; not a broadband provider

12	Alphalink Technologies	<a href="http://www.alink.com/index.htm">www.alink.com/index.htm</a>	This company is a nonfacilities-based reseller
13	American Broadband & Telecommunications	<a href="http://www.ambt.net">www.ambt.net</a>	This company is a nonfacilities-based reseller
14	Antioch Wireless Broadband	<a href="http://www.antiochwirelessbroadband.com/">www.antiochwirelessbroadband.com/</a>	Resells DSL and cellular service in Antioch, IL only
15	Arrowheadnet.com	<a href="http://www.arrowheadnet.com/">www.arrowheadnet.com/</a>	Domain registration and web hosting company
16	bargainisp.net	<a href="http://www.bargainisp.net/">www.bargainisp.net/</a>	Generic web directory site; company does not offer broadband
17	Beonline	<a href="http://www.beol.net">www.beol.net</a>	This company is a nonfacilities-based reseller
18	Bonzai Pipeline, Inc.	<a href="http://www.bonzaipipeline.net">www.bonzaipipeline.net</a>	This company is no longer in business
19	BreezeWave Broadband	<a href="http://www.breezewave.com">www.breezewave.com</a>	This company is no longer in business
20	Bright Choice	<a href="http://www.brightchoice.com">www.brightchoice.com</a>	Bright Choice was acquired by Omnicity
21	Broadband National	<a href="http://www.broadbandnational.com">www.broadbandnational.com</a>	Nonfacilities-based general reseller of DSL and satellite for 36 companies (e.g. ACC Business, HughesNet et al.)
22	Broadview Networks Holdings, Inc.	<a href="http://www.broadviewnet.com">www.broadviewnet.com</a>	Wholesale reseller of partners' communication products and services; company is nonfacilities-based
23	BullsEye Telecom, Inc.	<a href="http://www.bullseyetelecom.com">www.bullseyetelecom.com</a>	Integrated suite of telecommunications services for businesses and general reseller of backhaul
24	Byesville.Net	<a href="http://www.byesville.net">www.byesville.net</a>	This company is no longer in business
25	Cable One	n/a	Inactive; non-state provider
26	CAC MediaNet, Inc.	n/a	No longer in business; acquired by First Step (Michigan general reseller of DSL)
27	Camino-Net Internet Services	<a href="http://www.camino-net.com">www.camino-net.com</a>	No longer in business; was dial-up only
28	CanNet Internet Services	<a href="http://www.cannet.com">www.cannet.com</a>	Offers dial-up and B2B services, webhosting, etc.

29	Canton Cable	n/a	Acquired by Comcast
30	CCIS.net	<a href="http://www.ccis.net">www.ccis.net</a>	Now owned by Beacon Technologies; offers dial-up and is general reseller of DSL in Pennsylvania
31	Celito Communications	<a href="http://www.celito.net/">www.celito.net/</a>	Offers dial-up and wireless in North Carolina
32	CIMCO Communications, Inc.	<a href="http://www.cimco.net">www.cimco.net</a>	This company is a nonfacilities-based reseller
33	Clear Sky Communications	<a href="http://www.clearskycommunications.com/">www.clearskycommunications .com/</a>	This company is a general reseller of and an installation company for Satellite services
34	Clartouch.Com	n/a	This company is no longer in business
35	CloverNet	n/a	Script coding application company
36	Coax-Net	<a href="http://www.coax.net">www.coax.net</a>	This company is a nonfacilities-based reseller
37	Cobridge Communications, LLC	<a href="http://www.cobridge.net/communications">www.cobridge.net/communications</a>	This company was acquired in Ohio by Time Warner
38	Cognisurf	<a href="http://www.calling-plans.com">www.calling-plans.com</a>	Dial-up internet provider
39	Columbus Cable	n/a	Possibly acquired by ComCast; OSS service branch
40	Combined Technologies Inc.	<a href="http://www.ctipack.com">www.ctipack.com</a>	This company is no longer in business
41	Communication Options Inc.	<a href="http://www.coi.net">www.coi.net</a>	Provides B2B and residential dial-up
42	Community ISP, Inc.	<a href="http://www.totalink.net/">http://www.totalink.net/</a>	
43	config.com Internet	<a href="http://www.config.com">www.config.com</a>	Nonfacilities-based reseller; provided limited data but not enough for creation of coverage area or identification of services
44	CoreComm Wireless	n/a	This company is no longer in business
45	Dacor Internet Services	<a href="http://www.dacor.net/">www.dacor.net/</a>	This company is a nonfacilities-based reseller
46	Data-Tel of Illinois, Inc.	<a href="http://www.data-telinc.net/">www.data-telinc.net/</a>	This company is a nonfacilities-based reseller
47	Davis Voice and Data	n/a	Cellular reseller only; does not operate a broadband network

48	Dayton Digital Networks	<a href="http://www.daytondigital.net">www.daytondigital.net</a>	No longer offers broadband services
49	Deltaforce	<a href="http://www.deltaforce.net">www.deltaforce.net</a>	Dial-up and webhosting services only
50	deluxehost.com	<a href="http://deluxe-host.com">deluxe-host.com</a>	Offers web hosting only
51	Devlin Express	<a href="http://www.devlinex.com">www.devlinex.com</a>	This company is a nonfacilities-based reseller
52	DGUI	<a href="http://www.dgui.com/">www.dgui.com/</a>	No longer in business; domain name for sale
53	DHB Networks, Ltd.	<a href="http://www.dhbnetworks.com">www.dhbnetworks.com</a>	This company is no longer in business
54	Dial National	<a href="http://www.dialnational.com/">www.dialnational.com/</a>	Bad URL; out of business
55	Dialer.net	<a href="http://www.dialer.net/internet-access/United_States.html">www.dialer.net/internet-access/United_States.html</a>	Offers international dial-up services
56	DigitalBridge Communications Corp.	n/a	Non-state provider; serves Idaho, Indiana, Montana, South Dakota, Virginia, and Wyoming
57	DSL @ Interlync	<a href="http://www.interlync.com">www.interlync.com</a>	General reseller of Covad and for this mapping cycle they have been non-responsive
58	DTS-NET.COM	<a href="http://www.dts-net.com/">www.dts-net.com/</a>	Provider of wholesale and retail telecommunications services
59	Duvall Wireless	<a href="http://www.duvallwireless.net">www.duvallwireless.net</a>	This company is no longer in business
60	East Allen High Speed Internet, LLC	n/a	Non-state provider; serves Allen County, Indiana
61	East Palestine Internet, Inc.	<a href="http://www.epiinternet.com/">www.epiinternet.com/</a>	Company appears to have gone out of business; phone is disconnected and bad URL
62	Enventis Telecom Inc.	n/a	Non-state general reseller
63	Erielink LLC	<a href="http://www.erialink.com">www.erialink.com</a>	No longer in business
64	ETI - Connecting Your World	<a href="http://www.cyberenet.net/">www.cyberenet.net/</a>	General reseller of DSL services from infrastructure owned by Verizon, AT&T, and Covad
65	EZnet Ohio	<a href="http://www.2.ezo.net/iserv.htm">www.2.ezo.net/iserv.htm</a>	Provides dial-up service
66	FairPoint Broadband	<a href="http://www.fairpoint.com">www.fairpoint.com</a>	Non-state provider
67	Fast Dependable Access	<a href="http://www.fda.net">www.fda.net</a>	Bad URL; company appears to have gone out of business
68	g wireless, Inc.	<a href="http://www.g-wireless.net">http://www.g-wireless.net</a>	Acquired by another company

69	Galaxywave Internet	<a href="http://www.galaxywave.net/">www.galaxywave.net/</a>	Phone number was disconnected
70	Global Crossing Telecommunications, Inc.	n/a	Acquired by another company
71	GO Concepts	<a href="#">n/a</a>	This company is a nonfacilities-based reseller
72	Great American Broadband, Inc.	<a href="http://www.oibw.net">www.oibw.net</a>	Non-state provider; serves Indiana
73	Hubwest Protected Networks LLC	<a href="http://www.hubwest.com">www.hubwest.com</a>	Dial-up and web hosting only
74	iDigi Wireless	<a href="http://www.digi.com">www.digi.com</a>	Bad URL; no longer in business
75	Imbris, Inc.	<a href="http://www.imbris.com">www.imbris.com</a>	Provides fixed wireless in Idaho only
76	IMGISP.NET	<a href="http://www.imgisp.net/">www.imgisp.net/</a>	Search engine
77	Incredible Networks	n/a	Bad URL; out of business
78	Inercom Communications Inc.	<a href="http://www.inercom.com">www.inercom.com</a>	Bad URL; out of business
79	Interactiveinfo.com Inc.	<a href="http://www.rocketbroadband.com">www.rocketbroadband.com</a>	Offers cable television services in NY only
80	In-Touch Software	<a href="http://www.intouchsoftware.co.uk">www.intouchsoftware.co.uk</a>	Software development company
81	iRadical	n/a	Bad URL; out of business
82	ISPartner.net	n/a	Bad URL; out of business
83	KAS Cable TV	<a href="http://www.kascable.com">www.kascable.com</a>	This company is a nonfacilities-based reseller
84	LARIAT.NET	<a href="http://www.lariat.net/">www.lariat.net/</a>	Offers fixed wireless services in Wyoming only
85	LCSisp.com	<a href="http://www.lcsisp.com/index.cfm">www.lcsisp.com/index.cfm</a>	Offers national dial-up services only
86	Lek.net Internet Services, Inc.	<a href="http://www.lek.net">www.lek.net</a>	General reseller of AT&T DLS and offers dial-up and computer repair
87	LightEdge Solutions, Inc.	<a href="http://www.lightedge.com">www.lightedge.com</a>	IT consulting; LightEdge does not provide residential service in any state
88	Lightyear Network Solutions, LLC	<a href="http://www.lightyear.net">www.lightyear.net</a>	Nonfacilities-based general reseller
89	LinkAmerica.Net	<a href="http://www.linkamerica.net/">www.linkamerica.net/</a>	Bad URL; out of business
90	Magnum Cable	n/a	Bad URL; out of business
91	MainBoard	<a href="http://www.mainboard.cc/inter.net.htm">www.mainboard.cc/inter.net.htm</a>	General reseller in Virginia
92	Maine Cable and Wireless	<a href="http://www.maineableandwire">www.maineableandwire</a>	Bad URL; out of business

		<a href="http://less.com">less.com</a>	
93	Marcin Company	n/a	Bad URL; out of business
94	Metropolitan Telecommunications Holding Company	n/a	MetTel provides facilities-based and resold services (certified CLEC in some states); the company provides a variety of voice, including wireless, and data services to commercial customers
95	Millenicom Inc.	<a href="http://www.millenicom.com">www.millenicom.com</a>	General reseller of dial-up and mobile broadband (Sprint network)
96	Nanomega.Com	<a href="http://www.nanomega.com">www.nanomega.com</a>	Bad URL; out of business
97	NCO Wireless	<a href="http://www.ncowifi.com">www.ncowifi.com</a>	Acquired by NexGen Access
98	NetAccess, Inc.	<a href="http://www.nas.net/">www.nas.net/</a>	Offers wireless B2B services only
99	NetSpeed Online	<a href="http://www.netspeed-online.net">www.netspeed-online.net</a>	Bad URL; out of business
100	New Edge Network, Inc.	<a href="http://www.newedgenetworks.com">www.newedgenetworks.com</a>	Acquired by EarthLink
101	Northwest ISP	<a href="http://www.northwestisp.com/">www.northwestisp.com/</a>	Bad URL; out of business
102	nTelos, Inc.	n/a	Non-state provider; offers mobile wireless cards in West Virginia
103	NuVox, Inc.	<a href="http://www.nuvox.com">www.nuvox.com</a>	Acquired by Windstream
104	OffWorld1	n/a	Bad URL; no longer in business
105	ONEcom Wireless	n/a	Bad URL; no longer in business
106	Open Range Communications, Inc.	<a href="http://www.openrangecomm.com/">http://www.openrangecomm.com/</a>	No longer in business
107	Overarch Broadband	n/a	Offers services in Idaho only
108	Pacific Internet Exchange	<a href="http://www.pie.us/">www.pie.us/</a>	Bad URL; company appears to have gone out of business
109	PAETEC Communications, Inc.	<a href="http://www.paetec.com/">http://www.paetec.com/</a>	Acquired by another company
110	Paknet Limited	n/a	Subsidiary of Pakistan Telephone Company; no services offered in the U.S.
111	Pattersonville Telephone Company	n/a	Does not offer broadband service
112	Planet Online	<a href="http://www.planetonline.net/">www.planetonline.net/</a>	Offers website hosting services
113	Practical Support, Ltd.	<a href="http://www.practicalsupport.com/">http://www.practicalsupport.com/</a>	Offers service, but below broadband threshold

114	PremoWeb	<a href="http://www.premoweb.com/about_us/contact_us.html">www.premoweb.com/about_us/contact_us.html</a>	Offers national dial-up services only
115	Reliance Globalcom Services, Inc.	<a href="http://www.relianceglobalcom.com">www.relianceglobalcom.com</a>	California-based company; non-state provider
116	Renaissance Networks	<a href="http://www.renaissancenetworks.com/">www.renaissancenetworks.com/</a>	IT support company based in New Mexico
117	Simply Dialup A Metrogeek Company	<a href="http://www.simplydialup.com/">www.simplydialup.com/</a>	Offers dial-up only
118	Siscom Internet Service	<a href="http://www.siscom.net/index.html">www.siscom.net/index.html</a>	This company is a nonfacilities-based reseller
119	SkyLAN	n/a	This company is not a broadband provider
120	Skymax Broadband, Inc.	<a href="http://www.skymaxbroadband.com/">http://www.skymaxbroadband.com/</a>	No longer in business
121	Sling Broadband	n/a	Non-state provider; WISP in Florida
122	Supernova Systems, Inc.	<a href="http://home.onlyinternet.net/">home.onlyinternet.net/</a>	Company acquired by Great American Broadband
123	Surferz.Net	<a href="http://www.surferz.net/">www.surferz.net/</a>	Offers dial-up in upstate NY only
124	T1 Shopper	<a href="http://www.t1shopper.com/">www.t1shopper.com/</a>	Search engine for general reseller
125	TelNet Worldwide, Inc.	n/a	Does not offer broadband service
126	The Iserv Company, LLC	<a href="http://www.iserv.net">www.iserv.net</a>	This company is a nonfacilities-based reseller
127	The T1 Company	<a href="http://www.t1company.com">www.t1company.com</a>	Offers B2B services
128	Total Access Networks, Inc	n/a	Does not offer broadband service
129	TSISP.NET	<a href="http://www.tsisp.net">www.tsisp.net</a>	Bad URL; out of business
130	U.S. Wireless Online, Inc.	n/a	Non-state provider; acquired by Caviar and offers service in Florida only

131	University Corporation for Advanced Internet Development	n/a	BIP/BTOP recipient proposes a comprehensive 50-state network benefitting approximately 121,000 CAIs. The project proposes a large-scale, public-private partnership to interconnect more than 30 existing research and education networks, creating a dedicated 100-200 Gbps nationwide fiber backbone with 3.2 terabits per second (TBps) total capacity that would enable advanced networking features such as IPv6 and video multicasting.
132	UNUM Telecommunications, Inc.	<a href="http://www.utinet.net/">www.utinet.net/</a>	Bad URL; out of business
133	WCNet	<a href="http://www.wcnet.org/rates/history/">www.wcnet.org/rates/history/</a>	This company is a nonfacilities-based reseller
134	Wcoil	<a href="http://www.wcoil.com">www.wcoil.com</a>	Despite numerous outreach efforts, this company remains nonresponsive; accordingly, we are uncertain of the types of services offered
135	WiTel Communications, LLC	<a href="http://www.level3.com">www.level3.com</a>	Acquired by Level 3
136	WireFire Internet	<a href="http://www.wirefire.com">www.wirefire.com</a>	Acquired by FiberNet
137	Wireless Roanoke, Inc.	<a href="http://www.wirelessroanoke.com/">www.wirelessroanoke.com/</a>	Bad URL; out of business
138	wisbin	<a href="http://www.wisbin.com/">www.wisbin.com/</a>	No longer in business
139	www.AmericanAngel.us	<a href="http://www.americanangel.us/">www.americanangel.us/</a>	Bad URL; out of business
140	YEZOO.NET	<a href="http://www.yezoo.net/">www.yezoo.net/</a>	Bad URL; out of business
141	YLISP (Your Local ISP)	<a href="http://www.itsyournet.com">www.itsyournet.com</a>	Resells DSL and dial-up
142	YourT1Wifi.com	<a href="http://yourt1wifi.com/">yourt1wifi.com/</a>	Offers wireless service in Idaho only
143	Zito Media Communications, II, LLC	n/a	Zito Media does not yet offer broadband service in Ohio
144	ZOOM Internet Services, LLC	n/a	Michigan-based dial-up provider and web hosting company



## Broadband Provider Log

Complete	166
Non-Responsive/Refused	13
In Progress	4
Count of Datasets by Status	183
Total Unique Providers Represented	130

Provider Name	Platform	Status	NDA Execution Date	Notes
1 Touch Technology Solutions, LLC	Fixed Wireless	Data Added to Statewide Inventory		[FEB-02-12 Amanda Bentley] Change: New fixed wireless provider in the market.
Amplex Internet	Fixed Wireless	Data Added to Statewide Inventory	3/26/2010	[MAR-05-12 Amanda Bentley] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2012 submission.
Armstrong Utilities, Inc.	Cable	Data Added to Statewide Inventory	3/11/2010	[JAN-17-12 Amanda Bentley] Change: Armstrong Utilities has completed the acquisition of S. Bryer Cable assets in Ashtabula and Trumbull counties.
AT&T Inc.	DSL	Data Added to Statewide Inventory	12/16/2009	[FEB-22-12 Amanda Bentley] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2012 submission.
AT&T Inc.	Mobile Wireless	Data Added to Statewide Inventory	12/16/2009	[FEB-22-12 Amanda Bentley] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2012 submission.
Block Communications, Inc.	Cable	Data Added to Statewide Inventory	2/8/2010	[JAN-17-12 Amanda Bentley] Change: Speeds changed to speed tier 9 max down and speed tier 5 max up.
CenturyLink	DSL	Data Added to Statewide Inventory	12/4/2009	[FEB-17-12 Amanda Bentley] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2012 submission.
Cequel Communications	Cable	Data Added to Statewide Inventory	12/15/2009	[FEB-27-12 Amanda Bentley] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2012 submission.
Cincinnati Bell Telephone Company LLC	DSL	Data Added to Statewide Inventory	3/16/2010	[FEB-27-12 Amanda Bentley] Change: Provider expanded service area.
Cincinnati Bell Telephone Company LLC	Fiber	Data Added to Statewide Inventory	3/16/2010	[FEB-27-12 Amanda Bentley] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2012 submission.
Cincinnati Communications, LLC	Fiber	Data Added to Statewide Inventory	1/6/2011	[FEB-20-12 Amanda Bentley] Change: New platform addition (FTTH).
Clearwire Corporation	Mobile Wireless	Data Added to Statewide Inventory	3/3/2010	[JAN-20-12 Amanda Bentley] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2012 submission. [MAR-12-12 Terry Holmes] Provider supplied additional information on coverage for substantial service sites in October 2011, however requested that CN not submit or publish this coverage since they do not market to these areas.
Comcast Cable Communications, LLC	Cable	Data Added to Statewide Inventory	12/7/2009	[FEB-07-12 Amanda Bentley] Changes and/or Corrections: Speeds increased; possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2012 submission.
Country Connections LLC	Fixed Wireless	Data Added to Statewide Inventory	2/15/2010	[FEB-20-12 Amanda Bentley] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2012 submission.
D&P Communications, Inc.	Fixed Wireless	Data Added to Statewide Inventory		[MAR-05-12 Amanda Bentley] Change: New fixed wireless provider in the market.
FairPoint Communications	DSL	Data Added to Statewide Inventory	12/22/2009	[MAR-15-12 Amanda Bentley] Correction: Speed tier 7 was corrected to speed tier 6.
Farmers Mutual Telephone Company	Fixed Wireless	Data Added to Statewide Inventory	12/22/2009	[FEB-20-12 Amanda Bentley] Change: New fixed wireless towers in operation.
Frontier Communications Corporation	DSL	Data Added to Statewide Inventory	1/22/2010	[FEB-27-12 Amanda Bentley] Change: Provider expanded service area and upgraded speeds.

JB-Nets, LLC	Fixed Wireless	Data Added to Statewide Inventory	4/5/2010	[FEB-21-12 Amanda Bentley] Change: New fixed wireless towers in operation.
Leap Wireless International, Inc.	Mobile Wireless	Data Added to Statewide Inventory	4/6/2010	[FEB-21-12 Amanda Bentley] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2012 submission.
Massillon Cable TV, Inc.	Cable	Data Added to Statewide Inventory	2/9/2010	[JAN-17-12 Amanda Bentley] Change: Provider expanded service area.
Mobilcomm	Fixed Wireless	Data Added to Statewide Inventory	2/16/2012	[MAR-01-12 Amanda Bentley] Change: New fixed wireless provider in the market.
New Era Broadband, LLC	Fixed Wireless	Data Added to Statewide Inventory	7/12/2010	[FEB-20-12 Amanda Bentley] Change: New fixed wireless towers in operation.
S. Bryer Cable TV Corp.	Cable	Data Added to Statewide Inventory	11/8/2011	[JAN-17-12 Amanda Bentley] Change: Armstrong Utilities has completed the acquisition of assets in Ashtabula and Trumbull counties. New coverage for S. Bryer Cable is located in Brown County.
Sprint Nextel Corporation	Mobile Wireless	Data Added to Statewide Inventory	1/14/2010	[JAN-25-12 Amanda Bentley] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2012 submission.
T-Mobile USA, Inc.	Mobile Wireless	Data Added to Statewide Inventory	1/8/2010	[FEB-20-12 Amanda Bentley] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2012 submission.
TDS Telecommunications Corporation	DSL	Data Added to Statewide Inventory	1/27/2010	[FEB-27-12 Amanda Bentley] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2012 submission.
Time Warner Cable LLC	Cable	Data Added to Statewide Inventory	12/21/2009	[FEB-22-12 Amanda Bentley] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2012 submission.
Verizon Communications, Inc.	Mobile Wireless	Data Added to Statewide Inventory	12/14/2009	[FEB-20-12 Amanda Bentley] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2012 submission.
Waldron Communication Company	Fixed Wireless	Data Added to Statewide Inventory	3/19/2010	[JAN-20-12 Amanda Bentley] Change: Provider added 3650 wireless spectrum to existing tower location and increased wireless speed infrastructure on 900 mhz spectrum to match 3650.
T-Mobile USA, Inc.	Backhaul	Backhaul Provider Only Processing Complete	1/8/2010	
US Signal Company, LLC	Backhaul	Backhaul Provider Only Processing Complete	6/17/2010	
Zayo Group, LLC	Backhaul	Backhaul Provider Only Processing Complete		
Insight Communications of Central Ohio, LLC	Cable	No Update-Estimated Coverage Submitted for Non-Participating Provider		
Just Micro Digital Services, Inc.	Fixed Wireless	Estimated Coverage Submitted for Non-Participating Provider	4/13/2010	[FEB-28-12 Amanda Bentley] Correction: Estimated coverage created and submitted for non-participating provider.
Arthur Mutual Telephone Company	DSL	No Update to Provide	12/22/2009	
AT&T Inc.	Backhaul	No Update to Provide	12/16/2009	
Avolve, Inc.	Fixed Wireless	No Update to Provide	2/17/2011	
Ayersville Telephone Company	DSL	No Update to Provide	3/22/2010	
Bascom Mutual Telephone Company	Backhaul	No Update to Provide	3/22/2010	
Bascom Mutual Telephone Company	Cable	No Update to Provide	3/22/2010	
Bascom Mutual Telephone Company	Fiber	No Update to Provide	3/22/2010	
Bascom Mutual Telephone Company	Fixed Wireless	No Update to Provide	3/22/2010	
Benton Ridge Telephone Company	DSL	No Update to Provide	4/13/2010	
Benton Ridge Telephone Company	Fixed Wireless	No Update to Provide	4/13/2010	
Bryan Municipal Utilities	Cable	No Update to Provide		
Bryan Municipal Utilities	Fiber	No Update to Provide		
Buckland Telephone Co.	Fiber	No Update to Provide	4/10/2010	
Cable Co-op, Inc.	Cable	No Update to Provide	4/9/2010	
CenturyLink	Backhaul	No Update to Provide	12/4/2009	
CenturyLink	Backhaul	No Update to Provide	12/4/2009	
Champaign Telephone Company	DSL	No Update to Provide		
Champaign Telephone Company	Fiber	No Update to Provide		
Champaign Telephone Company	Fixed Wireless	No Update to Provide		
Cincinnati Bell Telephone Company LLC	Cable	No Update to Provide	3/16/2010	
Cincinnati Bell Telephone Company LLC	Mobile Wireless	No Update to Provide	3/16/2010	
Cincinnati Communications, LLC	Backhaul	No Update to Provide	1/6/2011	
Cincinnati Communications, LLC	BPL	No Update to Provide	1/6/2011	
City of Wadsworth	Cable	No Update to Provide	7/19/2010	
Citynet, LLC	Backhaul	No Update to Provide	4/5/2010	
Clearwire Corporation	Fixed Wireless	No Update to Provide	3/3/2010	
Com Net, Inc.	Backhaul	No Update to Provide		
Computers4U	Fixed Wireless	No Update to Provide		
Conneaut Telephone Company	Cable	No Update to Provide	12/22/2009	
Conneaut Telephone Company	DSL	No Update to Provide	12/22/2009	
ConnectLink, Inc.	Backhaul	No Update to Provide	3/15/2010	
CoxCom Inc.	Backhaul	No Update to Provide	1/29/2010	
CoxCom Inc.	Cable	No Update to Provide	1/29/2010	

Coyote Wireless Broadband LLC	Fixed Wireless	No Update to Provide	4/19/2010	
Dark Horse Networks, LLC	Fixed Wireless	No Update to Provide	3/15/2010	
DataBit Solutions Corp	Fixed Wireless	No Update to Provide		
DISH Network Corporation	Satellite	No Update to Provide	1/27/2010	
DuplexCom of Ohio, LLC	Fixed Wireless	No Update to Provide		
Eagle Communications, LLC	Fixed Wireless	No Update to Provide		
East Cleveland Cable TV and Communications, LLC	Cable	No Update to Provide	4/13/2010	
Erie County Cablevision, Inc.	Cable	No Update to Provide	2/8/2010	
FairPoint Communications	Cable	No Update to Provide	12/22/2009	
Farmers Mutual Telephone Company	DSL	No Update to Provide	12/22/2009	
Fort Jennings Telephone Company	DSL	No Update to Provide	4/2/2010	
Fort Jennings Telephone Company	Fiber	No Update to Provide	4/2/2010	
Freund Enterprises Inc.	Backhaul	No Update to Provide	3/2/2010	
Freund Enterprises Inc.	Fixed Wireless	No Update to Provide	3/2/2010	
Frontier Communications Corporation	Backhaul	No Update to Provide	1/22/2010	
Gateway Telecom LLC	Fixed Wireless	No Update to Provide	3/22/2010	
Glandorf Telephone Company, Inc.	DSL	No Update to Provide	3/9/2010	
Glandorf Telephone Company, Inc.	Cable	No Update to Provide	3/9/2010	
Hometown Cable Company	Fiber	No Update to Provide	4/15/2010	
Hometown Cable Company	Fixed Wireless	No Update to Provide	4/15/2010	[JAN-25-12 Amanda Bentley] Change: Hometown Cable has acquired gWireless, Inc. and coverage will be represented as Hometown Cable starting with the April 2012 submission.
Horizon Telcom, Inc.	DSL	No Update to Provide	3/27/2010	
Horizon Telcom, Inc.	Fiber	No Update to Provide	3/27/2010	
Hughes Network Systems, LLC	Satellite	No Update to Provide	2/5/2010	
Imagine Networks, LLC	Fixed Wireless	No Update to Provide	7/13/2011	
Jefferson County Cable TV, Inc.	Cable	No Update to Provide	2/1/2010	
Kalida Telephone Company, Inc.	DSL	No Update to Provide	3/8/2010	
McClure Telephone Company	DSL	No Update to Provide	4/5/2010	
McClure Telephone Company	Fiber	No Update to Provide	4/5/2010	
Mechcom Dot Net	Fixed Wireless	No Update to Provide	4/22/2010	
Mediacom Indiana LLC	Cable	No Update to Provide	1/12/2010	
MegaPath Inc.	Backhaul	No Update to Provide	2/15/2010	
MetalINK Technologies, Inc.	Fixed Wireless	No Update to Provide	3/22/2010	
Middle Point Home Telephone Company	DSL	No Update to Provide	1/19/2010	
Mikulski Communications LLC	Fixed Wireless	No Update to Provide	4/13/2010	
Minford Telephone Company	DSL	No Update to Provide	3/3/2010	
New Knoxville Telephone Company	DSL	No Update to Provide	3/12/2010	
New Knoxville Telephone Company	Fiber	No Update to Provide	3/12/2010	
New Knoxville Telephone Company	Fixed Wireless	No Update to Provide	3/12/2010	
New Knoxville Telephone Company	Backhaul	No Update to Provide	3/12/2010	
New Knoxville Telephone Company	Cable	No Update to Provide	3/12/2010	[MAR-17-12 Ashley Littell] Correction: Technology revised to Cable Modem - Other after confirmation of DOCSIS 2.0 system; also adjusted speeds to represent what is currently advertised, tier 7 download.
North West Net, Inc.	Fixed Wireless	No Update to Provide	4/6/2010	
Nova Telephone Company	DSL	No Update to Provide	4/5/2010	
Omnicity, Inc.	Fixed Wireless	No Update to Provide		
OneCommunity	Fixed Wireless	No Update to Provide	4/14/2010	
OneCommunity	Backhaul	No Update to Provide	4/14/2010	
Ottoville Mutual Telephone Company	Backhaul	No Update to Provide	12/22/2009	
Ottoville Mutual Telephone Company	DSL	No Update to Provide	12/22/2009	
Ottoville Mutual Telephone Company	Fiber	No Update to Provide	12/22/2009	
Ridgeville Telephone Company	DSL	No Update to Provide	3/12/2010	
Sherwood Mutual Telephone Association	DSL	No Update to Provide	3/25/2010	
Slane Telecom	Fixed Wireless	No Update to Provide	4/9/2010	
Sprint Nextel Corporation	Backhaul	No Update to Provide	1/14/2010	
Sycamore Telephone Company	DSL	No Update to Provide	12/22/2009	
Sycamore Telephone Company	Backhaul	No Update to Provide	12/22/2009	
TDS Telecommunications Corporation	Backhaul	No Update to Provide	1/27/2010	
Telephone Service Company	DSL	No Update to Provide	4/6/2010	
Telephone Service Company	Cable	No Update to Provide	4/6/2010	
Telephone Service Company	Fiber	No Update to Provide	4/6/2010	
tw telecom of ohio, llc	Backhaul	No Update to Provide	4/21/2010	
Vaughnsville Telephone Company, Inc	DSL	No Update to Provide	12/22/2009	
ViaSat, Inc.	Satellite	No Update to Provide	1/8/2010	[FEB-28-12 Amanda Bentley] Change: ViaSat has acquired WildBlue and coverage will be represented as ViaSat, Inc. starting with the April 2012 submission.
Wabash Mutual Telephone Company	DSL	No Update to Provide	3/30/2010	
Wabash Mutual Telephone Company	Fiber	No Update to Provide	3/30/2010	
Wabash Mutual Telephone Company	Fixed Wireless	No Update to Provide	3/30/2010	
Waldron Communication Company	Backhaul	No Update to Provide	3/19/2010	
Wavelinc Communications	Fixed Wireless	No Update to Provide		
WideOpenWest Finance, LLC	Cable	No Update to Provide		
Windstream Communications	Backhaul	No Update to Provide	1/28/2010	
Windstream Communications	DSL	No Update to Provide	1/28/2010	
YES Learning and Computer Center Inc	Backhaul	No Update to Provide	4/24/2010	
BluSky Wireless	Fixed Wireless	No Update Provided - Use Last Submission Data	2/24/2010	
Cogent Communications, Inc.	Backhaul	No Update Provided - Use Last Submission Data		
Doylestown Telephone Company	Cable	No Update Provided - Use Last Submission Data	4/14/2010	

Doylestown Telephone Company	DSL	No Update Provided - Use Last Submission Data	4/14/2010	
Doylestown Telephone Company	Fiber	No Update Provided - Use Last Submission Data	4/14/2010	
GMN Wireless Broadband	Fixed Wireless	No Update Provided - Use Last Submission Data	3/15/2010	
Intelliwave, LLC	Fixed Wireless	No Update Provided - Use Last Submission Data		[MAR-9-12 Amanda Bentley] Partial data was received very late and could not be processed in time for the April 2012 submission; provider coverage will be processed and added for the October 2012 submission.
Jenco Speed Web	Fixed Wireless	No Update Provided - Use Last Submission Data	4/28/2010	
KeyOn Communications, Inc.	Fixed Wireless	No Update Provided - Use Last Submission Data	10/15/2009	
King Office Service, Inc.	Fixed Wireless	No Update Provided - Use Last Submission Data	4/9/2010	
Level 3 Communications, LLC	Backhaul	No Update Provided - Use Last Submission Data	12/14/2009	
LightSpeed Technologies	Fixed Wireless	No Update Provided - Use Last Submission Data	2/9/2010	
Mango Bay Internet	Fixed Wireless	No Update Provided - Use Last Submission Data	2/23/2010	
Nelsonville TV Cable, Inc.	Cable	No Update Provided - Use Last Submission Data	4/7/2010	
NexGenAccess Inc.	Fixed Wireless	No Update Provided - Use Last Submission Data	4/16/2010	
North Coast Wireless Communications	Fixed Wireless	No Update Provided - Use Last Submission Data	4/14/2010	
nTelos, Inc.	DSL	No Update Provided - Use Last Submission Data		
RAA Services	Fixed Wireless	No Update Provided - Use Last Submission Data	3/12/2010	
Redbird Internet Services	Fixed Wireless	No Update Provided - Use Last Submission Data	3/22/2010	
RTEC Communications, Inc.	Cable	No Update Provided - Use Last Submission Data	4/13/2010	
RTEC Communications, Inc.	Fiber	No Update Provided - Use Last Submission Data	4/13/2010	
SAA bright.net, Inc.	Fixed Wireless	No Update Provided - Use Last Submission Data	3/23/2010	
Southern Ohio Communication Services, Inc.	Fixed Wireless	No Update Provided - Use Last Submission Data	4/20/2010	
The City of Dover	Backhaul	No Update Provided - Use Last Submission Data	4/9/2010	
UDATANet	Fixed Wireless	No Update Provided - Use Last Submission Data		
Verizon Communications, Inc.	Backhaul	No Update Provided - Use Last Submission Data	12/14/2009	
Wilkshire Communications, Inc.	Fixed Wireless	No Update Provided - Use Last Submission Data	3/16/2010	
XO Communications, LLC	Backhaul	No Update Provided - Use Last Submission Data	2/12/2010	
One Communications Corporation	Backhaul	Other	3/18/2010	[MAR-05-12 Wes Kerr] Earthlink now owns One Communications and has requested that no data be submitted, as the data submitted in the past may not be accurate.
Windstream Communications	DSL	Other	1/28/2010	[FEB-01-12 Wes Kerr] Company representative notified us that they do not have the ability at this time to provide data for the acquired company.
Windstream Communications	Backhaul	Other	1/28/2010	[FEB-01-12 Wes Kerr] Company representative notified us that they do not have the ability at this time to provide data for the acquired company.
Windstream Communications	DSL	Other	1/28/2010	[FEB-01-12 Wes Kerr] Company representative notified us that they do not have the ability at this time to provide data for the acquired company.
Advanced Computer Connections	Fixed Wireless	Refused to Participate		[JAN-20-12 Mark Messer] Spoke with a company representative who indicated that their network is being reduced month by month and will most likely not have a footprint in the near future. Therefore they choose not to participate.
Bellaire Television Cable Co. Inc.	Cable	Non-Responsive to Multiple Attempts		In addition to numerous contact attempts made during past mapping submission periods, 4 additional contact attempts were made this period.
First Communications, LLC	Fiber	Non-Responsive to Multiple Attempts		In addition to numerous contact attempts made during past mapping submission periods, 3 additional contact attempts were made this period.

Hocking Internet Technologies, Ltd	Fixed Wireless	Non-Responsive to Multiple Attempts	8/12/2010	In addition to numerous contact attempts made during past mapping submission periods, 4 additional contact attempts were made this period. A provider representative indicated a new interest in participating, but then became non-responsive again.
Linked Communications, LLC	Fixed Wireless	Non-Responsive to Multiple Attempts		In addition to numerous contact attempts made during past mapping submission periods, 4 additional contact attempts were made this period.
New Albany Net	Fiber	Non-Responsive to Multiple Attempts		In addition to numerous contact attempts made during the last mapping submission period, 4 additional contact attempts were made this period.
Reliance Globalcom Services, Inc.	Backhaul	Non-Responsive to Multiple Attempts		In addition to numerous contact attempts made during past mapping submission periods, 4 additional contact attempts were made this period.
Utopian Wireless Corporation	Fixed Wireless	Non-Responsive to Multiple Attempts		In addition to numerous contact attempts made during past mapping submission periods, 3 additional contact attempts were made this period.
Firewire Internet	Fixed Wireless	Slated Field Audit for Estimated Coverage Analysis		