

**OFFICIAL APRIL 2013 UPDATE SUBMISSION TO
THE NATIONAL TELECOMMUNICATIONS AND INFORMATION
ADMINISTRATION UNDER THE
STATE BROADBAND DATA AND DEVELOPMENT GRANT PROGRAM
FOR THE STATE OF IOWA**



April 1, 2013

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April 1, 2013

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

Dear Ms. Neville:

As the State Broadband Designated Entity, in partnership with the Iowa Economic Development Authority, please accept this submission from Connected Nation on behalf of the state of Iowa's State Broadband Initiative (SBI) Grant Program, known as Connect Iowa.

Connected Nation and Connect Iowa congratulate the National Telecommunications and Information Administration (NTIA) and the Federal Communications Commission (FCC) on achieving the two-year anniversary of the National Broadband Map. Truly, now more than ever, the significance of complete and validated data through this effort is impacting lives in communities all across our great country. The Connect Iowa program and its collective stakeholder community continue to be faithful and energized contributors, and we are proud to play such a part in forging the innovation economy of the twenty-first century.

The artifacts that comprise this submission should be found to be compliant with the April 1, 2013, 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 Iowa: April 1, 2013

<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	Accuracy and Verification Report
n/a	DataPackage.xlsx	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 2012 SBI data submission for the Connect Iowa program. Specifically, these new requirements are:

SBI Data Transfer Model

The submission of the broadband dataset for April 1, 2013, is contained within the SBI Data Transfer Model as released on the Grantee Workspace on December 14, 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

On February 8, 2013, NTIA released new guidance regarding the processing of wireless data, for both fixed and mobile broadband providers. All wireless provider coverage records have been reviewed and are in compliance with this grantee guidance for this April 2013 submission period. Even providers that did not have an update for this submission cycle were reviewed and data reprocessed as necessary for those records that were not yet in compliance with the new guidance.

This submission continues to follow the speed technology guidance released by the Program Office on August 9, 2012, to review speed tier codes in correspondence with technology of transmission codes. In the October 2012 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.

This submission also includes information regarding the data and coverage estimation of a non-participating provider. While Connect Iowa continues outreach to all providers prior to each submission period, the need to submit broadband service data for all providers regardless of their participation is evident as the SBI program continues into this seventh round of data submissions. The submission of this estimated broadband service area for providers that have not supplied data to Connect Iowa is essential in being able to portray a more accurate depiction of the current broadband landscape.

This April 2013 semi-annual data update under the SBI 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 99.49 percent of the Iowa provider community, or 196 of 197 total providers. There are 195 participating providers and 1 additional non-participating provider whose estimated coverage area has been submitted. Of the 195 participating providers, 75 supplied an update to their network or coverage area(s), while 105 have reported no change. The remaining 15 represent providers who previously supplied data but were non-responsive in the April 2013 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 history is contained herein. The remaining provider that is not represented in the attached datasets was non-responsive to multiple contact attempts.

In addition to the facilities-based and middle-mile broadband providers tracked above, this submission contains datasets for 3 resellers that were able to provide sufficient information on their service area(s) to be included in the data transfer model.

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

Connect Iowa has also continued to perform broadband verification activities through several means. In addition to confirmation of service area(s) by each provider, Connect Iowa conducts field validation efforts. To date, 156 (79.20 percent) providers have been validated through field

verification activities. Additional details on verification activities are contained within the Field Validation Methodology.

The Connect Iowa website (www.connectiowa.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 Iowa website encountered 4,799 unique visits during this reporting period (31,230 total to date for the life of the grant awarded on January 1, 2010). Additionally, this pronounced Web activity netted 19 broadband inquiries over this same reporting period (237 grant inception to date). The website also provides access to the My ConnectView™ interactive mapping application, which allows consumers and broadband providers to confirm or dispute the coverage represented on the broadband inventory map. These consumer-initiated actions are facilitated through the Connect Iowa website and the Connect Iowa interactive mapping tool (My ConnectView™) that offer the stakeholders 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 Iowa mapping artifacts. Since the initial data collection and release of corresponding maps, feedback in the form of broadband inquiries has allowed Connect Iowa to identify additional areas that are in need of field validation, which is scheduled as soon as possible.

Community Anchor Institutions

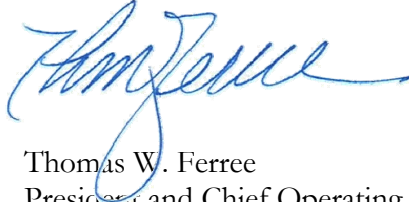
Connect Iowa continues to make significant inroads to gather data on the location and broadband connectivity of Community Anchor Institutions (CAI), in accordance with the data requirements of the SBI NOFA Technical Appendix. This uptick in CAI data collection was further supported by NTIA's outreach to grantees reiterating the importance of this outreach. With the continued commitment of the Iowa Economic Development Authority, we have continued to focus on a relationship-oriented approach with state-level agencies and organizations that generates more responses than general contact.

In conjunction with the Iowa Economic Development Authority, outreach was conducted during this data update reporting period by Connect Iowa 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 Iowa website. Building on past success of the September 2012 Education Campaign, February 2013 was recognized as Public Safety Month where the public safety sector was the focus of CAI data collection, research, and public affairs outreach. Connect Iowa has developed a number of new relationships with statewide associations, such as the Education SuperHighway, the Iowa Department of Education, and the Iowa Department of Public Safety, promote the importance of broadband connectivity at anchor institutions and participation in this data collection process. The value of these relationships continues to impact the entire success of the Grant Program, and the CAI engagement is a logical extension of new and existing relationships. Connect Iowa will continue to build upon these new 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 Iowa, 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 Iowa 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 Iowa 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 Iowa, as well as the United States and its territories through contribution to the National Broadband Map. We look forward to the continuing work ahead and improving upon our data collection methods.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'Tom Ferree', written in a cursive style.

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

IOWA COMMUNITY ANCHOR INSTITUTIONS METHODOLOGY

In this seventh reporting period of the SBI, Connect Iowa, working in close coordination with the state of Iowa, 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. Since the October 2012 data submission, the CAI outreach process method has been modified to improve data collection. Specifically, the outreach process is a more focused sector-specific and relationship-oriented approach that generates more responses than general contact.

Connect Iowa 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 Iowa through Esri ArcGIS software.

Connect Iowa continues to utilize a customized online survey hosted through SurveyMonkey, with a landing page on the Connect Iowa website that was developed during the first reporting period. This survey, in combination with a customized data-gathering spreadsheet, was distributed on a regular basis to a targeted list of CAI throughout the state as well as organizations and agencies that work closely with the CAI. The distributions were completed with the support of the state client. Connect Iowa 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/RRZ9KHC>

In addition to the survey, Connect Iowa has developed a number of new relationships with statewide associations, such as the Education SuperHighway, the Iowa Department of Education, and the Iowa Department of Public Safety, to promote the importance of broadband connectivity at Community Anchor Institutions and participation in this data collection process. It is apparent that these relationships are beneficial to the entire success of the grant program, and the CAI engagement is a logical extension of new and existing relationships. Connect Iowa will continue to build upon these new relationships over the coming months and utilize its contacts throughout the state to collect data and raise awareness of this project.

In addition to fostering and building relationships with state agencies, associations, and organizations, Connect Iowa has also developed a sector-specific calendar that supports CAI outreach as well as research and communications efforts. This focused approach allows a corporate commitment to capturing CAI data in addition to developing meaningful sector-specific content. Since the October 2012 submission, the sector-specific approach included a month-long public safety campaign in February 2013. During this campaign, Connect Iowa committed to improve relationships with key stakeholders, distribute survey requests to sector representatives, and provide sector-specific education through communications and webinar resources. Outreach to and survey of hospitals, local law enforcement, and fire stations helps build awareness and establishes a centralized database of key connectivity data for planning.

Connect Iowa conducts significant research as part of an ongoing process to identify existing, centralized sources for CAI connectivity data. In tandem with these efforts to identify existing data, Connect Iowa 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. Also, when possible, Connect Iowa works with the Iowa Economic Development Authority to identify existing relationships that can support CAI outreach.

Connect Iowa 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 Iowa project as well as self-awareness of their own broadband connectivity (specifically upload and download speeds). Connect Iowa will continue to research key CAI organizations and agency contacts in an effort to raise awareness of this project among CAI. When applicable, the Iowa Economic Development Authority will continue to be briefed on the current CAI data and provided information so it can assist with outreach and promotion within the state.

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
K-12 Schools	1879	1879	1863	166	167	166
Libraries	603	603	594	314	399	233
Healthcare	177	177	174	68	60	60
Public Safety	1193	1193	1181	104	87	88
Higher Ed Institutions	104	104	99	31	31	31
Other Government	679	679	676	298	251	280
Other Non-Government	6	6	6	4	5	4
Total	4641	4641	4593	985	1000	862

During the coming months, CAI data collection will be supported by regular reporting to the Connect Iowa team. The CAI data is proving an invaluable resource to all components of the Connect Iowa 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, 2013, is contained within the SBI Data Transfer Model and additional components as released on the Grantee Workspace on December 14, 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.

Connected Nation has complied with the following guidance documents published by NTIA:

- Technical Mapping Guide, as released on the Grantee Workspace on March 24, 2011, was 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.
- Naming Conventions and Category of End User, as released on the Grantee Workspace on March 26, 2012, was followed to ensure the consistency of individual file and zip package naming.
- Wireless Data Processing Guidance, as sent to SBI grantees on February 8, 2013, was followed to ensure that all fixed and mobile wireless provider coverage records are submitted to NTIA as separate, closed polygons whenever there is a variation in any of the required fields.

In addition to the methodologies contained herein, the Changes and Corrections documentation, 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 Iowa.

Inventory of Deliverables, Connect Iowa: April 1, 2013

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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.

The provider data collected by CN on behalf of the state of Iowa 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 Iowa 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 continues as well to be able to create more granular satellite coverage based on satellite equipment positioning and geographic inputs.

DATASETS FOR IN-KIND MATCH

Connect Iowa received a listing of Community Anchor Institution (CAI) addresses and technology data from the Iowa Communications Network as part of an in-kind match contribution to assist Connect Iowa with its mapping and planning goals - \$25.

IOWA 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 **COM**mision **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 & 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 program 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 has conducted on-site validation tests in Iowa on the following providers: Ace Telephone Association; Algona Municipal Utilities; Alliance Communications; Alpine Communications; Ambercomm; Arcadia Telephone; AT&T Inc.; Atkins Telephone; Aventure Communications; Ayrshire Farms Mutual Telephone Company; BEVCOMM; Bitwind Communications LLC; Brooklyn Mutual Telecommunications Cooperative; Butler-Bremer; Cable ONE Inc.; Casey Mutual Telephone Company; Cedar Falls Utilities; Central Scott Telephone; CenturyLink (acquired Qwest Corporation); Chat Mobility; Circle Computer Resources (d.b.a. Cramer IT); Citizens Mutual Telephone Cooperative; City of Hawarden; Clarence Telephone Company; Clear Lake Independent Telephone; Clearwire Corporation; CML Telephone Cooperative Association of Meriden, Iowa; Colo Telephone Company; Communications 1 Network; Community Cable Television Agency of O'Brien County; Community Digital Wireless; Complete Communication Services; Coon Rapids Municipal; Coon Valley Cooperative Telephone; Cooperative Telephone Company; Cooperative Telephone Exchange; Cornbelt Telephone; Cumberland Telephone; Danville Mutual Telephone Company; Dumont Telephone; East Buchanan Telephone Cooperative; Ellsworth Cooperative Telephone Exchange; Evertek Enterprises; Farmers & Merchants Mutual Telephone Company; Farmers Cooperative Telephone Company-Dysart; Farmers Mutual Cooperative Telephone Company – Harlan; Farmers Mutual Telephone Company-Jesup; Farmers Telephone Company-Essex (also d.b.a. Heartland Net); Farmers Mutual Telephone of Stanton; Fenton Co-Op Telephone Company; FiberComm LC; Frontier Communications Corporation; Goldfield Access Network; Grand Mound Cooperative; Grand River Mutual Telephone Corporation; Griswold Cooperative Telephone; Grundy Center Municipal Utilities; Harlan Municipal Utilities; Hickory Tech; Hospers Telephone Exchange; Hubbard Cooperative Telephone Association and Cable; Huxley Communications Cooperative; I-35 Telephone Company; IAMO Telephone Company; ImOn Communications; Internet Consulting Services LLC; Internet Solver, Inc.; Iowa Connect Inc.; Iowa Network Services; Iowa Telecom Service Inc.; JAB Wireless (formerly d.b.a. KeyOn Communications, Dynamic Broadband, NetConX and Prairie iNet); Jefferson Telephone Company; Junction Telephone; Kalnet; Kalona Cooperative Telephone Company; KDSC Inc.; Killduff Telephone; La Motte Telephone Company Inc.; LaPorte City Telephone Company; Laurens Municipal Communications Utility; Leap Wireless International; Lehigh Telephone; Lenox Municipal Utilities; LoganNet; Lone Rock Cooperative Telephone Company; Long Lines; Lost Nation-Elwood Telephone Company; Mabel Cooperative Telephone; Mahaska Communications Group; Manning Municipal; Marne and Elkhorn Telephone; Martelle Telephone; Massena Telephone Company; MCC Iowa (d.b.a. Mediacom Iowa LLC); Mediapolis Telephone Company; MidIowa Net; Miles Cooperative Telephone Association; Milford Cable TV Inc.; Minburn Communications; Minerva Valley Telephone Cablevision, Inc.; Monarc Technologies; Muscatine Power & Water (d.b.a. MachLink); Mutual Telephone Company; Mutual Telephone

Company of Morning Sun Iowa; Nexgen Integrated Communications, LLC; New Ulm Telecom, Inc.; Northern Iowa Telephone Company; Northwest Telephone Company; Ogden Telephone Company; OmniTel Communications; Osage Municipal Communications Utility; Palmer Telephone; Panora Communications Cooperative; Partner Communications Cooperative; Peoples Telephone; Premier Communications; Radcliffe Telephone Company, Inc.; Readlyn Telephone; Reasnor Telephone; RingTel Communications; River Valley Telecommunications Cooperative; Rockwell Cooperative Telephone Association; Royal Telephone Company; Ruralwaves Wireless Internet; Sac County Mutual Telephone; Scranton Telephone Company; Sharon Telephone Company; SpeedNet LLC (d.b.a. Speed Connect); Spencer Municipal Utilities; Sprint Nextel Corporation; Sully Telephone Association; Superior Telephone Cooperative; Swisher Telephone; Templeton Telephone Company; Terril Telephone Cooperative; Titonka Telephone; T-Mobile USA; Traer Municipal Utilities; U.S. Cellular; USA Communications (d.b.a. Farmers Mutual Telephone Cooperative-Shellsburg); Van Buren Telephone Company Inc.; Verizon Communications Inc.; Villisca Farmers Telephone Company; Walnut Telephone Company; Webb Dickens Telephone Corporation; Webster-Calhoun-Cooper Telephone Association; Wellman Cooperative Telephone Association; West Liberty Telephone Company (also d.b.a. Cloudburst 9 LLC and Liberty Communications); Western Iowa Networks; Western Iowa Telephone Association; WideOpenWest Finance, LLC; Windstream (d.b.a. Iowa Telecom Services); Winnebago Cooperative Telecom Association; Woolstock Mutual Telephone; and WTC Communications, Inc.

From program initiation through this reporting period, CN has completed in-the-field validation testing against 156 companies (out of a universe of 197 viable providers) totaling 79.20 percent within the state of Iowa.

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, as published on the NTIA Grantee Workspace on December 14, 2012. 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.

Farmers Mutual Telephone – Nora Springs

Issue: Technology of transmission code 40 with maximum advertised download speed in tier 8, lower than expected value range for the technology.

Resolution: Provider confirmed that they offer tier 8 speeds on DOCSIS 3.0.

Mediacom Communications Corporation

Issue: Technology of transmission code 40 with maximum advertised download speed in tier 8, lower than expected value range for the technology.

Resolution: Provider website advertises 30 Mbps download speed; screenshot below.



Prime Plus*
↓ Download speed: up to **30 Mbps***
↑ Upload speed: up to **2 Mbps**
Monthly Usage Allowance: **350 GB†**

Prime Plus is a super speedway for multiple tasks that require speed and more broadband capacity. It's the ideal speed for gamers who need to respond fast, and households with multiple users and multiple devices. Prime Plus 30 Mbps is available in Mediacom digital markets, and consists of download speeds of up to 20 Mbps in other areas.

Osage Municipal Utilities

Issue: Technology of transmission code 41 with maximum advertised download speed in tier 8, higher than expected value range for the technology.

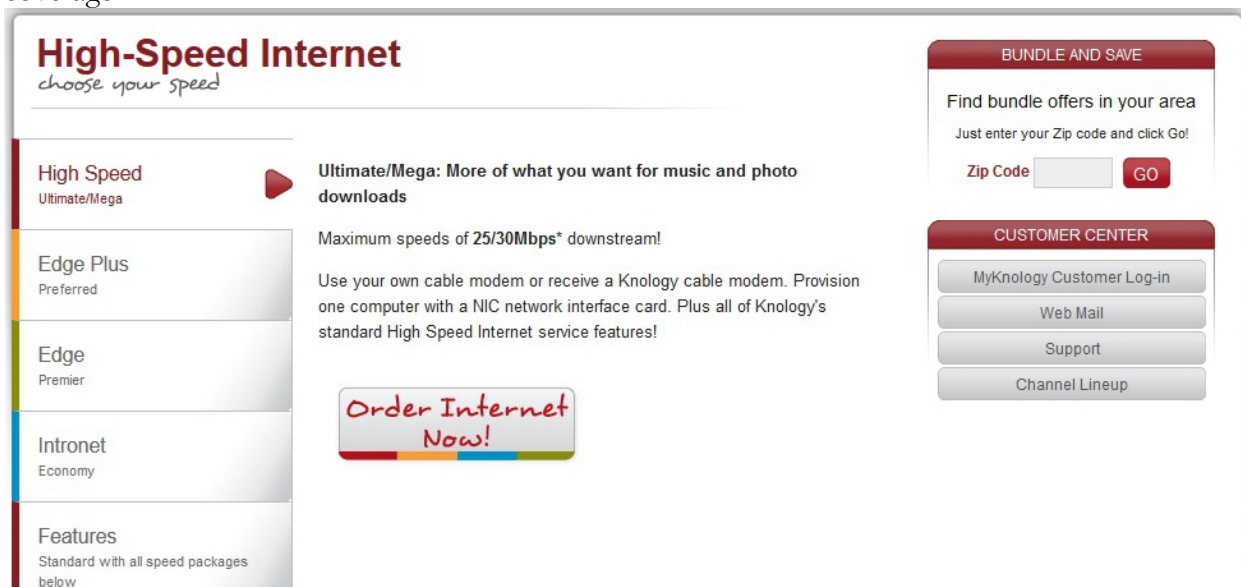
Resolution: Provider website advertises 25 Mbps service; screenshot below.

Speed	Residential	Business
Lite (1 mbps/512 kbps)	\$29.95	\$29.95
Plus (10/2 mbps)	\$45.95	\$55.95
Premium (15/4 mbps)	\$65.95	\$75.95
Extreme (25/10 mbps)	\$99.95	\$249.95

WideOpenWest Finance, LLC.

Issue: Technology of transmission code 40 with maximum advertised download speed in tier 8, lower than expected value range for the technology.

Resolution: Provider website advertises 25 Mbps service; screenshot below. Please note that while WOW! acquired Knology, the WOW! website still displays Knology-based web pages for this state's coverage.



The screenshot shows the Knology High-Speed Internet website. The header features the text "High-Speed Internet" and "choose your speed". On the left, there is a vertical menu with options: "High Speed Ultimate/Mega", "Edge Plus Preferred", "Edge Premier", "Intronet Economy", and "Features Standard with all speed packages below". The main content area highlights the "Ultimate/Mega" package with a play button icon, stating "More of what you want for music and photo downloads" and "Maximum speeds of 25/30Mbps* downstream!". It also mentions that users can use their own cable modem or receive a Knology cable modem. A red button labeled "Order Internet Now!" is prominently displayed. On the right side, there is a "BUNDLE AND SAVE" section with a search bar for bundle offers by zip code, and a "CUSTOMER CENTER" section with links for "MyKnology Customer Log-in", "Web Mail", "Support", and "Channel Lineup".

DATA SUBMISSION AND COVERAGE ESTIMATION OF NON-PARTICIPATING PROVIDER (NPP)

As part of its ongoing broadband mapping efforts, CN has developed a series of processes with the goal of submitting coverage estimation mapping data to NTIA for every known and qualifying last-mile broadband provider, regardless of platform type (cable modem, DSL, fixed wireless, etc.).

The section below provides a summary of the status of CN's outreach and findings on all non-participating provider coverage for the April 2013 SBI submission.

Rural Waves

The coverage estimation for Rural Waves was not updated from the previous submission in October 2012. The full white paper containing the most recent coverage estimation for this provider can be found within the October 2012 submission to NTIA.

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, My ConnectView, 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, non-participating provider 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 1.77 percent of Iowa households do not have terrestrial fixed broadband service available, and approximately 0.01 percent of Iowa households have neither mobile nor fixed broadband service available.

Within rural areas of the state, results derived from provider-validated data indicate that approximately 3.19 percent of rural Iowa households do not have terrestrial fixed broadband service available, and approximately 0.01 percent of rural Iowa households have neither mobile nor fixed broadband service available. Please note that the availability estimates presented are based on Census 2010 household information.

The estimates above, in accordance with NTIA's definition of available broadband service as specified in the SBI NOFA, include broadband service with download speeds of at least 768 Kbps and upload speeds greater than 200 Kbps.

In addition, 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.

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). 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. This research often proves to be exceptionally effective when estimating the coverage area of an NPP.

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. omnidirectional, 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 **S**ystem.

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, hill shade, 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 five categories: 1) residents who do not have broadband but want it; 2) residents who have broadband but want a different provider; 3) residents who do not have broadband, but the broadband inventory maps indicate that they do; 4) residents who have broadband but want a faster connection speed; and 5) residents who have broadband but want a less expensive service option.

BBIs are submitted frequently by consumers via the Connect Iowa 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 entered 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 another 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 18,839 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 Iowa project has received a total of 19 inquiries (237 grant inception to date). As more inquiries are submitted to Connect Iowa, 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.

MY CONNECTVIEW METHODOLOGY

My ConnectView is an interactive online mapping tool for viewing, analyzing, and validating broadband data. Developed using Esri's ArcGIS for Server and Adobe's Flex Framework and hosted and maintained by Connected Nation, My ConnectView 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, My ConnectView 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 several coverage analysis layers, speed analyses, Community Anchor Institutions, and tools to search and

export household demographic information, as well as extract data in GIS, spreadsheet, and/or PDF formats.

My ConnectView also features more interactive data layers and additional tools than ever before to allow the consumer to explore the broadband data. My ConnectView provides consumers with the ability to print, e-mail, and 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 Iowa project launched My ConnectView on April 2, 2012, and has received 1,292 visits this reporting period; to date the interactive mapping application has received 9,325 visits.

SPEED TEST METHODOLOGY

The 599 speed tests that are represented in the Connect Iowa Speed Test Report during this reporting period (5,732 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 Iowa 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 Iowa 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 Iowa with the information on where broadband services are available. Second, unlike theoretical speed information which may be 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 Iowa.

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 2013 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, non-facilities based general resellers, etc.

	Company Name	URL	Comments
1	21Globe, Inc.	n/a	This company is not a broadband provider.
2	360networks	http://www.360networks.com	Acquired by another company.
3	650Net	n/a	This company is not a broadband provider.
4	A 007 Access	n/a	This company is a nonfacilities-based reseller.
5	AAA Internet Service	n/a	This company is no longer in business.
6	Aaccess Network Communications	n/a	This company is not a broadband provider.
7	Access Media 3, Inc.	n/a	This company has no service offerings in Iowa.
8	Access123.net	n/a	This company is not a broadband provider.
9	ACERX.NET	n/a	This company is not a broadband provider.
10	Affinity Wireless Solutions, LLC	n/a	This company was acquired by KeyOn Communications.
11	Airespring, Inc.	http://www.airespring.com/	This company is a nonfacilities-based reseller.
12	Airewaves Broadband, LLC	n/a	This company is no longer in business.

13	AirNet	n/a	This company is no longer in business.
14	American Relay	n/a	This company is not a broadband provider.
15	Arrowheadnet.com	n/a	This company is not a broadband provider.
16	Bannon Communications	n/a	This company is not a broadband provider.
17	bargainisp.net	n/a	This company is not a broadband provider.
18	Barnes City Cooperative Telephone Company	n/a	This company is not a broadband provider.
19	Bel-Net Network Services	n/a	This company is no longer in business.
20	Broadband National	http://www.broadbandnational.com/	This company is not a broadband provider.
21	BTC	n/a	This company was acquired by Western Iowa Networks.
22	Cable Television	n/a	This company is no longer in business.
23	Calhoun County Electric Co-Op	n/a	This company is not a broadband provider.
24	Camino-Net Internet Services	n/a	This company is not a broadband provider.
25	Cannon Valley Telecom, Inc.	n/a	This company does business in MN.
26	Celito Communications	n/a	This company has no service offerings in Iowa.
27	cFree Wireless Network	n/a	This company is no longer in business.
28	CFY-CyberNet	n/a	This company is doing business as Cedar Falls Utilities.
29	City of Brookings Telephone Fund	http://www.swiftel.net/	This company is a nonfacilities-based reseller of Sprint.

30	Cleartouch.Com	n/a	This company is no longer in business.
31	Com Link	n/a	This company is no longer in business.
32	Comelec Services, Inc.	n/a	Acquired by another company.
33	CommSpeed Iowa, L.L.C.	n/a	This company was acquired by SpeedNet, LLC.
34	Community Internet Service	n/a	This company is no longer in business.
35	Covad Communications	n/a	This company has no service offerings in Iowa.
36	CyberStorm Wireless	n/a	This company is no longer in business.
37	Deltaforce	n/a	This company is not a broadband provider.
38	deluxehost.com	n/a	This company is not a broadband provider.
39	DGUI	n/a	This company is no longer in business.
40	Dial National	n/a	This company is no longer in business.
41	Dialer.net	n/a	This company is not a broadband provider.
42	Digital Telecommunications, Inc.	n/a	This company is no longer in business.
43	DSL @ Interlync	http://www.interlync.com/	This company is a nonfacilities-based reseller.
44	DTS-NET.COM	n/a	This company is a nonfacilities-based reseller.
45	Dura Cable	n/a	This company is not a broadband provider.
46	EarthLink Business	http://www.earthlinkbusiness.com/	This company is a nonfacilities-based reseller.

47	Farmers Telephone Company - Batavia	http://www.bataviatelephone.com	This company offers service but it is below the FCC definition of broadband.
48	Fast Dependable Access	n/a	This company is no longer in business.
49	Forbin Wireless	http://www.forbin.net/	This company offers service but it is below the FCC definition of broadband.
50	fyreSTORM Wireless	n/a	This company is no longer in business.
51	Global Crossing Telecommunications, Inc.	http://www.globalcrossing.com	Acquired by another company.
52	Great Lakes Communication Corp.	http://www.glccom.com	This company offers service but it is below the FCC definition of broadband.
53	Hubwest	n/a	This company is not a broadband provider.
54	Hubwest Protected Networks LLC	n/a	This company is not a broadband provider.
55	I Spot ACCESS	n/a	This company is not a broadband provider.
56	Imbris, Inc.	n/a	This company is no longer in business.
57	IMGISP.NET	n/a	This company is not a broadband provider.
58	Incredible Networks	n/a	This company is no longer in business.
59	Indianola Municipal Utilities	n/a	This company is not a broadband provider.
60	Inercom Communications, Inc.	n/a	This company is no longer in business.
61	Interactiveinfo.com Inc.	n/a	This company does business in New York and has no service offerings in Iowa.
62	Inter-County Cable Company	n/a	This company is doing business as Brooklyn Mutual Telecommunications Cooperative.

63	Interlink LC	n/a	This company is no longer in business.
64	Iowa Cable and Telecommunications Association	n/a	This company is not a broadband provider.
65	Iowa City Telecommunications	n/a	This company is not a broadband provider.
66	Iowa Connect, Inc.	http://www.iowaconnect.com/	Acquired by another company.
67	IowaOne.net	n/a	This company is no longer in business.
68	IPNS	n/a	This company does business in Oregon and has no service offerings in Iowa.
69	iRadical	n/a	No information found for this company.
70	i-rule.net	n/a	This company is no longer in business.
71	ISPartner.net	n/a	No information found for this company.
72	Jenco Speed Web	n/a	This company offers fixed wireless in Ohio and has no service offerings in Iowa.
73	Knology of the Plains, Inc.	http://www.knology.com/	Acquired by another company.
74	LCSisp.com	n/a	This company is not a broadband provider.
75	LightEdge Solutions, Inc.	n/a	This company is not a broadband provider.
76	Lightyear Network Solutions, LLC	http://lightyear.net/	This company is a nonfacilities-based reseller.
77	Local Link	n/a	This company has no service offerings in Iowa.
78	Longview Communications	n/a	This company has no service offerings in Iowa.

79	MainBoard	n/a	This company has no service offerings in Iowa.
80	Maine Cable and Wireless	n/a	No information found for this company.
81	Manilla Telephone Company	n/a	This company was acquired by Farmers Mutual Telephone Cooperative of Harlan, IA.
82	Maple Leaf Networks	n/a	This company has no service offerings in Iowa.
83	Marcin Company	n/a	No information found for this company.
84	Metropolitan Telecommunications Holding Company	n/a	This company is a nonfacilities-based reseller.
85	MFW Cable	n/a	This company is not a broadband provider.
86	Millenicom Inc.	http://www.millenicom.com/	This company is a nonfacilities-based reseller.
87	Nanomega.Com	n/a	This company is no longer in business.
88	NetAccess, Inc.	n/a	This company is not a broadband provider.
89	Netconnect	http://www.n-connect.net/	Acquired by another company.
90	NetConX, Inc.	http://www.netconx.net/wireless.shtml	Acquired by another company.
91	NetSpeed Online	n/a	This company is no longer in business.
92	New Century Telecommunications	n/a	This company is not a broadband provider.
93	New Edge Network, Inc.	n/a	Acquired by another company.
94	Northwest Internet Services	n/a	This company has no service offerings in Iowa.

95	Northwest ISP	n/a	This company is no longer in business.
96	One Communications Corporation	n/a	Acquired by another company.
97	Oneota Net	http://www.oneota.net/wirelessdsl.shtml	This company offers service but it is below the FCC definition of broadband.
98	OpenCom, Inc.	n/a	This company is a nonfacilities-based reseller.
99	OrbitCom, Inc.	n/a	This company is a nonfacilities-based reseller.
100	Overarch Broadband	n/a	This company has no service offerings in Iowa.
101	Pacific Internet Exchange	n/a	This company is a nonfacilities-based reseller.
102	PAETEC Communications, Inc.	http://www.paetec.com/	Acquired by another company.
103	Prairie Communication	n/a	This company is no longer in business.
104	Prairie Fire Internet	n/a	This company is no longer in business.
105	Prairie iNet	http://www.prairieinet.net/	Acquired by another company.
106	PremoWeb	n/a	This company is not a broadband provider.
107	Professional Computer Solutions	http://www.pcsia.net	This company offers service but it is below the FCC definition of broadband.
108	Quad-Cities Online Broadband Plus	n/a	This company is not a broadband provider.
109	RACOM	n/a	This company is not a broadband provider.
110	Rankin Communication Systems	n/a	This company is not a broadband provider.

111	RockRapids.net	n/a	This company is not a broadband provider.
112	S & S Wireless Internet	n/a	This company is no longer in business.
113	Siebring-Kruss Wireless	n/a	This company is no longer in business.
114	Simply Dialup A Metrogeek Company	n/a	This company is not a broadband provider.
115	SIRIS	n/a	This company is not a broadband provider.
116	Sling Broadband	n/a	This company has no service offerings in Iowa.
117	Sparkplug Central, Inc.	n/a	This company was acquired by Airband Communications.
118	Speakeasy DSL	n/a	This company is a backhaul provider and a general reseller of DSL; part of a 2010 merger between Covad, Megapath, and Speakeasy.
119	State Wireless	n/a	This company is not a broadband provider.
120	Support Corps of America	n/a	This company is no longer in business.
121	Surferz.Net	n/a	This company is not a broadband provider.
122	T1 Shopper	http://www.t1shopper.com/	This company is not a broadband provider.
123	Total Access Networks, Inc.	n/a	This company is not a broadband provider.
124	TRX, Inc.	n/a	This company is not a broadband provider.
125	TSISP.NET	n/a	This company is no longer in business.
126	Twin Rivers Valley	n/a	This company is no longer in business.

127	United Western Net	n/a	This company is no longer in business.
128	UNUM Telecommunications, Inc.	n/a	This company is no longer in business.
129	VPM Global Internet Services, Inc.	n/a	This company is a nonfacilities-based reseller.
130	WilTel Communications, LLC	n/a	This company was acquired by Level 3 Communications.
131	Wireless Roanoke, Inc.	n/a	This company is no longer in business.
132	wisbin	n/a	This company is not a broadband provider.
133	WispAir	n/a	This company is no longer in business.
134	www.AmericanAngel.us	n/a	This company is no longer in business.
135	YEEYZOO.NET	n/a	This company is no longer in business.
136	YLISP (Your Local ISP)	n/a	This company is not a broadband provider.
137	YourT1Wifi.com	n/a	This company has no service offerings in Iowa.

APPENDIX A: BROADBAND PROVIDER LOG



Broadband Provider Log

Complete	362
Non-Responsive/Refused	2
In Progress	1
Reseller Providing Data	4
Count of Datasets by Status	369
Total Unique Providers Represented	198

Provider Name	Platform	Status	NDA Execution Date	Notes
Ace Telephone Association	Fixed Wireless	Data Added to Statewide Inventory	3/8/2010	[MAR-01-13 Matthew Brunt] Change: This is the initial submission for this platform.
Ace Telephone Association	DSL	Data Added to Statewide Inventory	3/8/2010	[FEB-21-13 Matthew Brunt] Change: Provider expanded DSL coverage and upgraded speeds to tier 7 download and tier 3 upload.
Alpine Communications, LC	Fiber	Data Added to Statewide Inventory	2/24/2010	[FEB-22-13 Matthew Brunt] Change: Provider expanded fiber coverage area.
AT&T Inc.	Mobile Wireless	Data Added to Statewide Inventory	12/16/2009	[FEB-13-13 Matthew Brunt] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2013 submission.
Baldwin Nashville Telephone Company, Inc.	Fiber	Data Added to Statewide Inventory	2/3/2010	[JAN-24-13 Matthew Brunt] Change: Provider expanded fiber service area.
Butler-Bremer Communications	DSL	Data Added to Statewide Inventory	4/20/2010	[FEB-22-13 Matthew Brunt] Change: Provider converted a portion of their coverage area over to fiber.
Butler-Bremer Communications	Fiber	Data Added to Statewide Inventory	4/20/2010	[FEB-22-13 Matthew Brunt] Change: Provider expanded fiber coverage.
Cable ONE Inc.	Cable	Data Added to Statewide Inventory	12/7/2009	[FEB-12-13 Matthew Brunt] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2013 submission.
CenturyLink	DSL	Data Added to Statewide Inventory	12/4/2009	[FEB-14-13 Matthew Brunt] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2013 submission.
CenturyLink	Fiber	Data Added to Statewide Inventory	12/4/2009	[FEB-14-13 Matthew Brunt] Change: Initial submission from provider for this platform.
Citizens Mutual Telephone Cooperative	Fiber	Data Added to Statewide Inventory	2/26/2010	[FEB-06-13 Matthew Brunt] Change: Provider expanded fiber service area.
Clear Lake Independent Telephone Company	DSL	Data Added to Statewide Inventory	5/6/2020	[FEB-21-13 Matthew Brunt] Change: Provider converted portions of their DSL coverage area over to fiber. Speeds upgraded to tier 8 download and tier 7 upload.
Clear Lake Independent Telephone Company	Fiber	Data Added to Statewide Inventory	5/6/2020	[FEB-21-13 Matthew Brunt] Change: Provider expanded their fiber coverage area. Speeds upgraded to tier 10 download and tier 7 upload.
Colo Telephone Company	Fiber	Data Added to Statewide Inventory	1/28/2010	[FEB-5-13 Matthew Brunt] Change: Initial submission for this fiber coverage.
Community Cable Television Agency of O'Brien County	Fixed Wireless	Data Added to Statewide Inventory	5/5/2010	[FEB-23-13 Matthew Brunt] Change: Provider added an additional tower, changed spectrum to 3650-3700 MHz, and upgraded speeds to tier 7 download.
Coon Valley Co-op Telephone Association, Inc.	Fixed Wireless	Data Added to Statewide Inventory		[FEB-26-13 Matthew Brunt] Change: Provider expanded fixed wireless coverage area.
CoxCom Inc.	Cable	Data Added to Statewide Inventory	1/29/2010	[FEB-14-13 Matthew Brunt] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2013 submission.
Cumberland Telephone Company	Fixed Wireless	Data Added to Statewide Inventory	4/27/2010	[FEB-26-13 Matthew Brunt] Change: Provider added two additional towers.
Dumont Telephone Company	Cable	Data Added to Statewide Inventory	2/25/2010	[JAN-16-13 Matthew Brunt] Change: Provider started offering cable service.
Dumont Telephone Company	DSL	Data Added to Statewide Inventory	2/25/2010	[JAN-15-13 Matthew Brunt] Change: Provider converted portions of the DSL coverage to fiber.
Dumont Telephone Company	Fiber	Data Added to Statewide Inventory	2/25/2010	[JAN-15-13 Matthew Brunt] Change: Provider expanded fiber coverage area.
Ellsworth Cooperative Telephone Association	Fiber	Data Added to Statewide Inventory	1/25/2010	[JAN-24-13 Matthew Brunt] Change: Provider converted entire service area over to fiber, and can provider tier 7 download speeds.
Evertex Enterprises	Cable	Data Added to Statewide Inventory	2/3/2010	[FEB-07-13 Matthew Brunt] Change: Portion of provider's coverage area sold to another provider.
Farmers & Merchants Mutual Telephone Company	Fixed Wireless	Data Added to Statewide Inventory	5/7/2010	[FEB-23-13 Matthew Brunt] Change: Provider added one additional tower.
Farmers Mutual Telephone Company - Nora Springs	Cable	Data Added to Statewide Inventory	1/26/2010	[FEB-22-13 Matthew Brunt] Change: Provider converted a portion of their cable coverage over to fiber.
Farmers Mutual Telephone Company - Nora Springs	DSL	Data Added to Statewide Inventory	1/26/2010	[FEB-22-13 Matthew Brunt] Change: Provider converted a portion of their DSL coverage area over to fiber.
Farmers Mutual Telephone Company - Nora Springs	Fiber	Data Added to Statewide Inventory	1/26/2010	[FEB-22-13 Matthew Brunt] Change: Provider expanded their fiber coverage area.
Frontier Communications Corporation	DSL	Data Added to Statewide Inventory	1/22/2010	[FEB-15-13 Matthew Brunt] Change: Provider added additional DSLAM locations.
Harmony Telephone Company	DSL	Data Added to Statewide Inventory	1/12/2010	[FEB-5-13 Matthew Brunt] Change and Correction: Provider indicated service area should be DSL rather than fiber; also increased speeds to Tier 6 download.
Heart of Iowa Communications Cooperative	Fiber	Data Added to Statewide Inventory	1/7/2010	[FEB-22-13 Matthew Brunt] Change: Provider expanded fiber coverage area and upgraded speeds to tier 7 download.
Heart of Iowa Communications Cooperative	Fixed Wireless	Data Added to Statewide Inventory	1/7/2010	[FEB-25-13 Matthew Brunt] Change: This is the initial submission for this provider's fixed wireless coverage.

ImOn Communications, LLC	Cable	Data Added to Statewide Inventory	2/8/2012	[FEB-25-13 Matthew Brunt] Change: Provider expanded cable coverage area.
ImOn Communications, LLC	Fiber	Data Added to Statewide Inventory	2/8/2012	[FEB-25-13 Matthew Brunt] Change: Initial fiber submission for this provider.
Interstate 35 Telephone Company	Fiber	Data Added to Statewide Inventory	2/2/2010	[FEB-22-13 Matthew Brunt] Change: Provider expanded fiber coverage and upgraded speeds to tier 9 download and tier 8 upload.
Interstate 35 Telephone Company	Fiber	Data Added to Statewide Inventory	2/2/2010	[FEB-22-13 Matthew Brunt] Change: Provider expanded fiber coverage and upgraded speeds to tier 9 download and tier 8 upload.
Leap Wireless International, Inc.	Mobile Wireless	Data Added to Statewide Inventory	4/6/2010	[FEB-12-13 Matthew Brunt] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2013 submission.
LISCO Wireless	DSL	Data Added to Statewide Inventory	1/28/2010	[FEB-26-13 Matthew Brunt] Change: Provider stopped offering DSL service to a portion of their service area.
LISCO Wireless	Fiber	Data Added to Statewide Inventory	1/28/2010	[FEB-26-13 Matthew Brunt] Change: Provider expanded fiber service area.
Loganet	Fixed Wireless	Data Added to Statewide Inventory	2/13/2013	[FEB-26-13 Matthew Brunt] Change: Provider expanded fixed wireless coverage area and upgraded speeds to tier 7 download and tier 6 upload.
Marne & Elk Horn Telephone Company	DSL	Data Added to Statewide Inventory	2/11/2010	[JAN-30-13 Matthew Brunt] Change: Provider converted a portion of their DSL coverage area over to fiber.
Marne & Elk Horn Telephone Company	Fiber	Data Added to Statewide Inventory	2/11/2010	[JAN-29-13 Matthew Brunt] Change: Provider started offering fiber broadband in portions of their service area.
Massena Telephone Company	Fixed Wireless	Data Added to Statewide Inventory	6/18/2010	[FEB-25-13 Matthew Brunt] Change: This is the initial submission for this provider's fixed wireless coverage.
Mediacom Communications Corporation	Cable	Data Added to Statewide Inventory	1/12/2010	[FEB-19-13 Matthew Brunt] Change: Provider expanded service area.
Miles Cooperative Telephone Association	DSL	Data Added to Statewide Inventory	5/17/2010	[JAN-28-13 Matthew Brunt] Change: Provider converted portions of their DSL coverage area over to fiber.
Miles Cooperative Telephone Association	Fiber	Data Added to Statewide Inventory	5/17/2010	[JAN-28-13 Matthew Brunt] Change: Provider expanded fiber coverage area.
Minburn Communications	Fixed Wireless	Data Added to Statewide Inventory	4/7/2010	[FEB-25-13 Matthew Brunt] Change: This is the initial submission for this provider's fixed wireless coverage.
Northeast Iowa Telephone Company	Fiber	Data Added to Statewide Inventory	4/13/2010	[JAN-28-13 Matthew Brunt] Change: Provider expanded fiber service area and upgraded speeds to tier 5 upload in some areas.
Northern Iowa Telephone Company	Fiber	Data Added to Statewide Inventory	1/25/2010	[FEB-5-13 Matthew Brunt] Change: Provider started offering fiber broadband services.
Northwest Telephone Cooperative Association	DSL	Data Added to Statewide Inventory	2/17/2010	[FEB-26-13 Matthew Brunt] Change: Provider expanded their DSL coverage area and upgraded speeds to tier 7 download and tier 4 upload.
Northwest Telephone Cooperative Association	Fixed Wireless	Data Added to Statewide Inventory	2/17/2010	[FEB-26-13 Matthew Brunt] Change: Provider expanded fixed wireless coverage area and upgraded a portion of their speeds to tier 7 download and tier 3 upload.
Olin Telephone Company, Inc.	Fiber	Data Added to Statewide Inventory	2/23/2010	[FEB-1-13 Matthew Brunt] Change: Provider started offering fiber broadband service.
Panora Communications Cooperative	Fixed Wireless	Data Added to Statewide Inventory	1/29/2010	[FEB-23-13 Matthew Brunt] Change: Provider added one additional tower, with tier 5 download and tier 3 upload speeds.
Premier Communications	Fiber	Data Added to Statewide Inventory	1/25/2010	[FEB-21-13 Matthew Brunt] Change: Provider expanded fiber coverage area.
Schaller Telephone Company	DSL	Data Added to Statewide Inventory		[FEB-28-13 Matthew Brunt] Change: This is the initial submission for this provider.
Skycasters	Satellite	Data Added to Statewide Inventory	10/16/2012	[DEC-04-12 Matthew Brunt] Correction: Initial submission of provider's coverage, but they were in service previously.
South Slope Cooperative Telephone Company	Fiber	Data Added to Statewide Inventory	2/2/2010	[FEB-21-13 Matthew Brunt] Change: Provider expanded fiber coverage area.
Sprint Nextel Corporation	Mobile Wireless	Data Added to Statewide Inventory	1/14/2010	[FEB-12-13 Matthew Brunt] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2013 submission.
Sully Telephone Association Inc	Fixed Wireless	Data Added to Statewide Inventory	4/28/2010	[FEB-25-13 Matthew Brunt] Change: This is the initial submission for this provider's fixed wireless coverage.
Sully Telephone Association Inc	DSL	Data Added to Statewide Inventory	4/28/2010	[FEB-27-13 Matthew Brunt] Correction: Minor coverage corrections made to previously submitted data.
T-Mobile USA, Inc.	Mobile Wireless	Data Added to Statewide Inventory	1/8/2010	[FEB-22-13 Matthew Brunt] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2013 submission.
United States Cellular Corporation	Mobile Wireless	Data Added to Statewide Inventory	2/15/2011	[FEB-12-13 Matthew Brunt] Change: Provider submitted new 4G LTE coverage areas to be added to the current mobile footprint.
USA Communications	Fiber	Data Added to Statewide Inventory	1/27/2010	[FEB-5-13 Matthew Brunt] Change: Provider expanded fiber coverage.
Verizon Communications, Inc.	Mobile Wireless	Data Added to Statewide Inventory	12/14/2009	[FEB-13-13 Matthew Brunt] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for April 2013 submission.
Walnut Telephone Company	DSL	Data Added to Statewide Inventory	4/14/2010	[JAN-29-13 Matthew Brunt] Change: Provider converted portions of their DSL service area over to fiber.
Walnut Telephone Company	Fiber	Data Added to Statewide Inventory	4/14/2010	[JAN-29-13 Matthew Brunt] Change: Provider expanded fiber service area.
West Iowa Telephone Company	DSL	Data Added to Statewide Inventory	1/27/2010	[FEB-5-13 Matthew Brunt] Change: Provider converted portions of their DSL service area over to fiber.
West Iowa Telephone Company	Fiber	Data Added to Statewide Inventory	1/27/2010	[FEB-1-13 Matthew Brunt] Change: Provider expanded fiber coverage.
West Liberty Telephone Company	Fixed Wireless	Data Added to Statewide Inventory	1/25/2010	[FEB-23-13 Matthew Brunt] Change: Provider added two additional towers.

Winnnebago Cooperative Telecom Association	DSL	Data Added to Statewide Inventory	1/22/2010	[FEB-27-13 Matthew Brunt] Change: Provider converted portions of their DSL service area over to fiber, and upgraded some speeds to tier 7 download/tier 5 upload.
Winnnebago Cooperative Telecom Association	Fiber	Data Added to Statewide Inventory	1/22/2010	[FEB-27-13 Matthew Brunt] Change: Provider expanded their fiber service area, and upgraded their speeds to tier 7 download and upload.
Bernard Telephone Company, Inc.	Backhaul	Backhaul Provider Only Processing Complete	5/19/2010	
Butler-Bremer Communications	Backhaul	Backhaul Provider Only Processing Complete	4/20/2010	
Iowa Network Services	Backhaul	Backhaul Provider Only Processing Complete	3/5/2010	
Level 3 Communications, LLC	Backhaul	Backhaul Provider Only Processing Complete	12/14/2009	
Mediacom Communications Corporation	Backhaul	Backhaul Provider Only Processing Complete	1/12/2010	
Minburn Communications	Backhaul	Backhaul Provider Only Processing Complete	4/7/2010	
Northwest Telephone Cooperative Association	Backhaul	Backhaul Provider Only Processing Complete	2/17/2010	
Sharon Telephone Company	Backhaul	Backhaul Provider Only Processing Complete	5/20/2010	
West Liberty Telephone Company	Backhaul	Backhaul Provider Only Processing Complete	1/25/2010	
Winnnebago Cooperative Telecom Association	Backhaul	Backhaul Provider Only Processing Complete	1/22/2010	
Woolstock Mutual Telephone	Backhaul	Backhaul Provider Only Processing Complete	5/19/2010	
Atkins Telephone Company	DSL	Speed Only Update; Data Processing Complete	5/14/2010	[FEB-07-13 Matthew Brunt] Change: Provider upgraded speeds to tier 5 download and tier 4 upload.
Cooperative Telephone Exchange	Fiber	Speed Only Update; Data Processing Complete	2/2/2010	[JAN-15-13 Matthew Brunt] Change: Provider upgraded speeds to tier 8 download and upload.
Dixon Telephone Company	Cable	Speed Only Update; Data Processing Complete	5/5/2010	[FEB-07-13 Matthew Brunt] Change: Provider upgraded speeds to tier 5 download and tier 4 upload.
F&B Communications, Inc.	DSL	Speed Only Update; Data Processing Complete	2/19/2010	[FEB-21-13 Matthew Brunt] Change: Provider upgraded speeds to tier 7 download.
F&B Communications, Inc.	Fiber	Speed Only Update; Data Processing Complete	2/19/2010	[FEB-21-13 Matthew Brunt] Change: Provider upgraded speeds to tier 8 download and upload.
Griswold Cooperative Telephone Company	DSL	Speed Only Update; Data Processing Complete	4/21/2010	[FEB-20-13 Matthew Brunt] Change: Provider upgraded speeds to tier 7 download in a portion of their coverage area.
HickoryTech Corporation	DSL	Speed Only Update; Data Processing Complete	2/2/2010	[FEB-22-13 Matthew Brunt] Change: Provider upgraded typical download speed to tier 6.
Hughes Network Systems, LLC	Satellite	Speed Only Update; Data Processing Complete	2/5/2010	[MAR-06-13 Matthew Brunt] Change: Provider now offers tier 7 download speeds.
Independence Telecommunications Utility	Cable	Speed Only Update; Data Processing Complete	4/9/2010	[FEB-15-13 Matthew Brunt] Change: Provider upgraded speeds to tier 7 download and tier 5 upload.
Kalona Cooperative Telephone Company	DSL	Speed Only Update; Data Processing Complete	1/20/2010	[JAN-24-13 Matthew Brunt] Change: Provider upgraded typical download speed to tier 5.
Kalona Cooperative Telephone Company	Fiber	Speed Only Update; Data Processing Complete	1/20/2010	[JAN-24-13 Matthew Brunt] Change: Provider upgraded speeds to tier 8 download and tier 5 upload.
Lenox Municipal Utilities	Fiber	Speed Only Update; Data Processing Complete	4/20/2010	[JAN-15-13 Matthew Brunt] Change: Provider upgraded speeds to tier 7 download and upload.
Massena Telephone Company	DSL	Speed Only Update; Data Processing Complete	6/18/2010	[JAN-22-13 Matthew Brunt] Change: Provider upgraded speeds to tier 7 download and tier 4 upload.
Minburn Communications	Fiber	Speed Only Update; Data Processing Complete	4/7/2010	[FEB-27-13 Matthew Brunt] Change: Provider upgraded speeds to tier 7 download. All DSL has been converted to fiber.
Modern Cooperative Telephone Company Inc.	DSL	Speed Only Update; Data Processing Complete		[FEB-15-13 Matthew Brunt] Change: Provider upgraded speeds to tier 5 download.
North English Cooperative Telephone Company	DSL	Speed Only Update; Data Processing Complete	5/12/2010	[FEB-07-13 Matthew Brunt] Correction: Provider's download speed changed to tier 5.
Prairieburg Telephone Company, Inc	DSL	Speed Only Update; Data Processing Complete	3/25/2010	[FEB-15-13 Matthew Brunt] Change: Provider upgraded speeds to tier 5 download.
Prairieburg Telephone Company, Inc	Fixed Wireless	Speed Only Update; Data Processing Complete	3/25/2010	[FEB-15-13 Matthew Brunt] Change: Provider upgraded speeds to tier 5 download and tier 3 upload.
Reasnor Telephone Company, LLC	DSL	Speed Only Update; Data Processing Complete		[FEB-15-13 Matthew Brunt] Change: Provider upgraded speeds to tier 5 download.
Sharon Telephone Company	DSL	Speed Only Update; Data Processing Complete	5/20/2010	[FEB-15-13 Matthew Brunt] Change: Provider upgraded speeds to tier 6 download.
Sharon Telephone Company	Fiber	Speed Only Update; Data Processing Complete	5/20/2010	[FEB-15-13 Matthew Brunt] Change: Provider upgraded speeds to tier 6 download and tier 3 upload.
SpeedNet, LLC	Fixed Wireless	Speed Only Update; Data Processing Complete		[FEB-15-13 Matthew Brunt] Change: Provider updated a portion of their coverage area to tier 5 download.
Terril Telephone Cooperative	DSL	Speed Only Update; Data Processing Complete	2/12/2010	[FEB-15-13 Matthew Brunt] Correction: Provider download speed changed to tier 5.
Van Horne Cooperative Telephone Company	Fiber	Speed Only Update; Data Processing Complete	5/18/2010	[JAN-22-13 Matthew Brunt] Correction: Provider upload speeds changed to tier 3.
West Liberty Telephone Company	DSL	Speed Only Update; Data Processing Complete	1/25/2010	[FEB-25-13 Matthew Brunt] Change: Provider upgraded speeds to tier 6 download and tier 3 upload.
Windstream Communications	DSL	Speed Only Update; Data Processing Complete		[FEB-28-13 Matthew Brunt] Change and/or Correction: Provider sent updated speeds for portions of their service area.
RuralWaves Wireless Internet	Fixed Wireless	No Update-Estimated Coverage Submitted for Non-Participating Provider		
Jab Wireless, Inc.	Fixed Wireless	Approval for Update Not Received – Data Still Submitted	6/14/2010	[MAR-13-13 Matthew Brunt] Change: Provider acquired fixed wireless from Airband Communications, You Squared, NetConnect, Comelec Services, Prairie iNet, and NetConX.
Ace Telephone Association	Backhaul	No Update to Provide	3/8/2010	

Algona Municipal Utilities	Cable	No Update to Provide	2/9/2010
Algona Municipal Utilities	Fiber	No Update to Provide	2/9/2010
Alliance Communications Cooperative, Inc.	Backhaul	No Update to Provide	1/28/2010
Alliance Communications Cooperative, Inc.	Fiber	No Update to Provide	1/28/2010
Alpine Communications, LC	DSL	No Update to Provide	2/24/2010
Alta Municipal Utilities	Cable	No Update to Provide	5/18/2010
Andrew Telephone Company	DSL	No Update to Provide	1/19/2010
Arcadia Telephone Cooperative	DSL	No Update to Provide	5/6/2010
AT&T Inc.	Backhaul	No Update to Provide	12/16/2009
Atkins Telephone Company	Fiber	No Update to Provide	5/14/2010
Aventure Communications	Backhaul	No Update to Provide	4/8/2010
Aventure Communications	Fixed Wireless	No Update to Provide	4/8/2010
Ayrshire Farmers Mutual Telephone Company	DSL	No Update to Provide	2/17/2010
Ayrshire Farmers Mutual Telephone Company	Fixed Wireless	No Update to Provide	2/17/2010
Baldwin Nashville Telephone Company, Inc.	DSL	No Update to Provide	2/3/2010
Bellevue Municipal Utilities	Fiber	No Update to Provide	5/20/2010
Bernard Telephone Company, Inc.	DSL	No Update to Provide	5/19/2010
Bernard Telephone Company, Inc.	Fiber	No Update to Provide	5/19/2010
Bernard Telephone Company, Inc.	Fixed Wireless	No Update to Provide	5/19/2010
BEVCOMM	DSL	No Update to Provide	6/16/2010
BitWind Communications, LLC	Fixed Wireless	No Update to Provide	
Board of Water Electric & Communication Trustees of the City of Mus	Cable	No Update to Provide	5/14/2010
Board of Water Electric & Communication Trustees of the City of Mus	Fiber	No Update to Provide	5/14/2010
Board of Water Electric & Communication Trustees of the City of Mus	Fixed Wireless	No Update to Provide	5/14/2010
Butler-Bremer Communications	Cable	No Update to Provide	4/20/2010
Cascade Communications Company	DSL	No Update to Provide	1/23/2010
Cascade Communications Company	Fiber	No Update to Provide	1/23/2010
Casey Mutual Telephone Company	Backhaul	No Update to Provide	5/3/2010
Casey Mutual Telephone Company	DSL	No Update to Provide	5/3/2010
Cedar Falls Utilities	Cable	No Update to Provide	6/16/2010
Cedar Falls Utilities	Fiber	No Update to Provide	6/16/2010
Center Junction Telephone Company	DSL	No Update to Provide	3/12/2010
Central Scott Telephone Company, Inc.	DSL	No Update to Provide	4/22/2010
Central Scott Telephone Company, Inc.	Fixed Wireless	No Update to Provide	4/22/2010
CenturyLink	Backhaul	No Update to Provide	12/4/2009
Chat Mobility	Mobile Wireless	No Update to Provide	1/19/2010
Circle Computer Resources	Fixed Wireless	No Update to Provide	7/6/2010
Citizens Mutual Telephone Cooperative	DSL	No Update to Provide	2/26/2010
City of Hawarden	Cable	No Update to Provide	5/20/2010
CML Telephone Cooperative Association of Meriden, Iowa	Fiber	No Update to Provide	1/25/2010
Colo Telephone Company	Fiber	No Update to Provide	1/28/2010
Community Cable Television Agency of O'Brien County	Cable	No Update to Provide	5/5/2010
Community Digital Wireless, LLC	Fixed Wireless	No Update to Provide	5/6/2010
Complete Communication Services	Cable	No Update to Provide	6/17/2010
Complete Communication Services	Fiber	No Update to Provide	6/17/2010
Coon Creek Telecommunications Corp.	DSL	No Update to Provide	2/9/2012
Coon Rapids Municipal Utilities	Cable	No Update to Provide	4/22/2010
Coon Valley Co-op Telephone Association, Inc.	DSL	No Update to Provide	
Cooperative Telephone Company	DSL	No Update to Provide	2/2/2010
Cooperative Telephone Company	Fixed Wireless	No Update to Provide	2/2/2010
Cooperative Telephone Exchange	Backhaul	No Update to Provide	2/2/2010
Corn Belt Telephone Company	DSL	No Update to Provide	2/15/2010
Corn Belt Telephone Company	Fiber	No Update to Provide	2/15/2010
Corn Belt Telephone Company	Fixed Wireless	No Update to Provide	2/15/2010
Cumberland Telephone Company	DSL	No Update to Provide	4/27/2010
Danville Mutual Telephone Company	DSL	No Update to Provide	
Dunkerton Telephone Cooperative	DSL	No Update to Provide	4/15/2010
East Buchanan Telephone Cooperative	DSL	No Update to Provide	4/30/2010
Evertex Enterprises	Fiber	No Update to Provide	2/3/2010
Evertex Enterprises	Fixed Wireless	No Update to Provide	2/3/2010
Farmers & Merchants Mutual Telephone Company	Fiber	No Update to Provide	5/7/2010
Farmers Cooperative Telephone Company-Dysart	DSL	No Update to Provide	3/12/2010
Farmers Mutual Cooperative Telephone Company - Harlan	Cable	No Update to Provide	2/5/2010
Farmers Mutual Cooperative Telephone Company - Harlan	DSL	No Update to Provide	2/5/2010
Farmers Mutual Cooperative Telephone Company - Harlan	Fiber	No Update to Provide	2/5/2010
Farmers Mutual Cooperative Telephone Company - Harlan	Fixed Wireless	No Update to Provide	2/5/2010
Farmers Mutual Cooperative Telephone Company-Moulton	Fiber	No Update to Provide	5/21/2010
Farmers Mutual Telephone Company - Jesup	DSL	No Update to Provide	4/20/2010
Farmers Mutual Telephone Company - Jesup	Fiber	No Update to Provide	4/20/2010
Farmers Mutual Telephone Company - Nora Springs	Fixed Wireless	No Update to Provide	1/26/2010
Farmers Mutual Telephone Company of Stanton, Iowa	Backhaul	No Update to Provide	4/9/2010
Farmers Mutual Telephone Company of Stanton, Iowa	Cable	No Update to Provide	4/9/2010
Farmers Mutual Telephone Company of Stanton, Iowa	DSL	No Update to Provide	4/9/2010
Farmers Mutual Telephone Company of Stanton, Iowa	DSL	No Update to Provide	4/9/2010
Farmers Telephone Company-Essex	DSL	No Update to Provide	1/27/2010
Farmers Telephone Company-Essex	Fixed Wireless	No Update to Provide	1/27/2010
Fibernet Communications, LLC	Backhaul	No Update to Provide	3/9/2010
Frontier Communications Corporation	Backhaul	No Update to Provide	1/22/2010
Grundy Center Municipal Utilities	Cable	No Update to Provide	
Grundy Center Municipal Utilities	Fixed Wireless	No Update to Provide	
Harlan Municipal Utilities	Cable	No Update to Provide	5/5/2010
Hawkeys Telephone Company	DSL	No Update to Provide	2/12/2010
Heart of Iowa Communications Cooperative	Backhaul	No Update to Provide	1/7/2010
Heart of Iowa Communications Cooperative	DSL	No Update to Provide	1/7/2010
Hospers Telephone Exchange, Inc.	Cable	No Update to Provide	1/11/2010
Hospers Telephone Exchange, Inc.	DSL	No Update to Provide	1/11/2010
Hubbard Cooperative Telephone Association and Cable	DSL	No Update to Provide	5/14/2010
Huxley Communications Cooperative	Backhaul	No Update to Provide	1/25/2010
Huxley Communications Cooperative	DSL	No Update to Provide	1/25/2010
Huxley Communications Cooperative	Fiber	No Update to Provide	1/25/2010
IAMO Telephone Company	DSL	No Update to Provide	1/25/2010
IAMO Telephone Company	Fixed Wireless	No Update to Provide	1/25/2010
IMU Network Services	Fiber	No Update to Provide	5/10/2010
IMU Network Services	Fixed Wireless	No Update to Provide	5/10/2010
Interstate 35 Telephone Company	Fixed Wireless	No Update to Provide	2/2/2010
Jab Wireless, Inc.	DSL	No Update to Provide	6/14/2010
Jefferson Telephone Company	DSL	No Update to Provide	1/22/2010
Jefferson Telephone Company	Fiber	No Update to Provide	1/22/2010
Kalnet	Fixed Wireless	No Update to Provide	5/21/2010
Keystone Farmers Cooperative Telephone Company	DSL	No Update to Provide	4/12/2010
Kilduff Telephone Company	DSL	No Update to Provide	
La Motte Telephone Company, Inc.	DSL	No Update to Provide	2/16/2010
La Motte Telephone Company, Inc.	Fiber	No Update to Provide	2/16/2010
La Motte Telephone Company, Inc.	Fixed Wireless	No Update to Provide	2/16/2010
La Porte City Telephone Co	DSL	No Update to Provide	2/22/2010

Laurens Municipal Communications Utility	Cable	No Update to Provide	6/2/2010	
Lehigh Valley Cooperative Telephone Association	Fiber	No Update to Provide	4/16/2010	
LISCO Wireless	Backhaul	No Update to Provide	1/28/2010	
Lone Rock Cooperative Telephone Company	DSL	No Update to Provide	2/15/2010	
Long Lines	Backhaul	No Update to Provide	5/4/2010	
Long Lines	Backhaul	No Update to Provide	5/4/2010	
Long Lines	Backhaul	No Update to Provide	5/4/2010	
Long Lines	Backhaul	No Update to Provide	5/4/2010	
Long Lines	Backhaul	No Update to Provide	5/4/2010	
Long Lines	Backhaul	No Update to Provide	5/4/2010	
Long Lines	Cable	No Update to Provide	5/4/2010	
Long Lines	DSL	No Update to Provide	5/4/2010	
Lost Nation-Elwood Telephone Company	Fiber	No Update to Provide	4/13/2010	
Lynnville Telephone Company, Inc.	DSL	No Update to Provide		
Mabel Cooperative Telephone Company	DSL	No Update to Provide	4/8/2010	
Manning Municipal Communication & Television System Utility	Cable	No Update to Provide	4/22/2010	
Manning Municipal Communication & Television System Utility	Fixed Wireless	No Update to Provide	4/22/2010	
Marne & Elk Horn Telephone Company	Backhaul	No Update to Provide	2/11/2010	
Marne & Elk Horn Telephone Company	Fixed Wireless	No Update to Provide	2/11/2010	
Martelle Cooperative Telephone Association	Cable	No Update to Provide	5/5/2010	
Martelle Cooperative Telephone Association	DSL	No Update to Provide	5/5/2010	
Massena Telephone Company	Backhaul	No Update to Provide	6/18/2010	
Mediapolis Telephone Company	DSL	No Update to Provide	4/14/2010	
Midlowa Net	DSL	No Update to Provide		Reseller providing data.
Midlowa Net	Fixed Wireless	No Update to Provide		
				[FEB-12-13 Layne Wagner] There were no changes in service as of December 31, 2012, but according to a company representative they plan to close down the business on March 1, 2013.
Midwest Broadband LLC	Fixed Wireless	No Update to Provide	7/6/2010	
Milford Cable TV Inc.	Cable	No Update to Provide	4/21/2010	
Minburn Communications	DSL	No Update to Provide	4/7/2010	
Minburn Communications	Fiber	No Update to Provide	4/7/2010	
Minerva Valley Telephone Cablevision, Inc.	DSL	No Update to Provide	4/7/2010	
Monarc Technologies	Fiber	No Update to Provide	2/16/2011	
Mutual Telephone Company	Fiber	No Update to Provide	1/25/2010	
Mutual Telephone Company of Morning Sun, Iowa	DSL	No Update to Provide	5/5/2010	
Mutual Telephone Company of Morning Sun, Iowa	DSL	No Update to Provide	5/5/2010	
Mutual Telephone Company of Morning Sun, Iowa	Fixed Wireless	No Update to Provide	5/5/2010	
New Ulm Telecom, Inc.	DSL	No Update to Provide	3/10/2010	
Northeast Iowa Telephone Company	Backhaul	No Update to Provide	4/13/2010	
Northeast Iowa Telephone Company	DSL	No Update to Provide	4/13/2010	
Northeast Iowa Telephone Company	Fixed Wireless	No Update to Provide	4/13/2010	
Northern Iowa Telephone Company	DSL	No Update to Provide	1/25/2010	
Ogden Telephone Company	Backhaul	No Update to Provide	3/17/2010	
Ogden Telephone Company	DSL	No Update to Provide	3/17/2010	
Olin Telephone Company, Inc.	DSL	No Update to Provide	2/23/2010	
Onslow Cooperative Telephone Association	DSL	No Update to Provide	2/3/2010	
Oran Mutual Telephone Company	DSL	No Update to Provide	2/8/2010	
Osage Municipal Communications Utility	Cable	No Update to Provide	5/18/2010	
Osage Municipal Communications Utility	Fixed Wireless	No Update to Provide	5/18/2010	
Palmer Mutual Telephone Company	DSL	No Update to Provide	1/21/2010	
Palo Cooperative Telephone Association	DSL	No Update to Provide	5/19/2010	
Panora Communications Cooperative	Cable	No Update to Provide	1/29/2010	
Panora Communications Cooperative	Cable	No Update to Provide	1/29/2010	
Panora Communications Cooperative	Fiber	No Update to Provide	1/29/2010	
Panora Communications Cooperative	Fiber	No Update to Provide	1/29/2010	
Panora Communications Cooperative	Fixed Wireless	No Update to Provide	1/29/2010	
Partner Communications Cooperative	Cable	No Update to Provide	5/15/2010	
Partner Communications Cooperative	DSL	No Update to Provide	5/15/2010	
Partner Communications Cooperative	Fiber	No Update to Provide	5/15/2010	
Premier Communications	Cable	No Update to Provide	1/25/2010	
Preston Telephone Company	DSL	No Update to Provide	2/5/2010	
Readlyn Telephone Company	DSL	No Update to Provide	2/23/2010	
Readlyn Telephone Company	Fiber	No Update to Provide	2/23/2010	
Ringtel Communications	DSL	No Update to Provide	2/17/2010	
River Valley Telecommunications Coop	DSL	No Update to Provide	3/23/2010	
River Valley Telecommunications Coop	Fiber	No Update to Provide	3/23/2010	
River Valley Telecommunications Coop	Fixed Wireless	No Update to Provide	3/23/2010	
Rockwell Cooperative Telephone Association	Backhaul	No Update to Provide	5/12/2010	
Rockwell Cooperative Telephone Association	DSL	No Update to Provide	5/12/2010	
Rockwell Cooperative Telephone Association	Fiber	No Update to Provide	5/12/2010	
				[MAR-25-13 Ashley Hitt] Change: Provider acquired and now operates Iowa Connect fixed wireless system.
Rockwell Cooperative Telephone Association	Fixed Wireless	No Update to Provide	5/12/2010	
Royal Telephone Company	Fiber	No Update to Provide	2/12/2010	
Sac County Mutual Telephone Co.	Backhaul	No Update to Provide	2/15/2010	
Sac County Mutual Telephone Co.	DSL	No Update to Provide	2/15/2010	
Scranton Telephone Company	Backhaul	No Update to Provide	2/1/2010	
Scranton Telephone Company	DSL	No Update to Provide	2/1/2010	
Searsboro Telephone Company	DSL	No Update to Provide		
Sharon Telephone Company	Fixed Wireless	No Update to Provide	5/20/2010	
Sioux Valley Rural Television, Inc.	Fixed Wireless	No Update to Provide	6/7/2010	
South Slope Cooperative Telephone Company	DSL	No Update to Provide	2/2/2010	
Spacenet, Inc.	Satellite	No Update to Provide		
Spencer Municipal Utilities	Backhaul	No Update to Provide	2/18/2010	
Spencer Municipal Utilities	Cable	No Update to Provide	2/18/2010	
Spencer Municipal Utilities	Fiber	No Update to Provide	2/18/2010	
Spiral Communications LLC	Fixed Wireless	No Update to Provide		
Spring Grove Cooperative Telephone Co	Fiber	No Update to Provide		
Springville Cooperative Telephone Association, Inc.	DSL	No Update to Provide	2/15/2010	
Sprint Nextel Corporation	Backhaul	No Update to Provide	1/14/2010	
Superior Telephone Cooperative	DSL	No Update to Provide	5/24/2010	
Swisher Telephone Company	Fiber	No Update to Provide	2/2/2010	
Templeton Telephone Company	Backhaul	No Update to Provide	3/12/2010	
Templeton Telephone Company	DSL	No Update to Provide	3/12/2010	
Titonka Telephone Company	Backhaul	No Update to Provide	5/4/2010	
Titonka Telephone Company	DSL	No Update to Provide	5/4/2010	
Traer Municipal Utilities	Fixed Wireless	No Update to Provide	4/14/2010	
USA Communications	Cable	No Update to Provide	1/27/2010	
USA Communications	DSL	No Update to Provide	1/27/2010	
Van Buren Telephone Co Inc	DSL	No Update to Provide	1/26/2010	
Van Horne Cooperative Telephone Company	Backhaul	No Update to Provide	5/18/2010	
Van Horne Cooperative Telephone Company	DSL	No Update to Provide	5/18/2010	
ViaSat, Inc.	Satellite	No Update to Provide	1/8/2010	

Walnut Telephone Company	Backhaul	No Update to Provide	4/14/2010	
Walnut Telephone Company	Cable	No Update to Provide	4/14/2010	
Walnut Telephone Company	Fixed Wireless	No Update to Provide	4/14/2010	
Webb-Dickens Telephone Corporation	Fiber	No Update to Provide	1/25/2010	
Webster-Calhoun Cooperative Telephone Association	Fiber	No Update to Provide	5/21/2010	
Wellman Cooperative Telephone Association	DSL	No Update to Provide	5/19/2010	
Wellman Cooperative Telephone Association	Fiber	No Update to Provide	5/19/2010	
Wellman Cooperative Telephone Association	Fixed Wireless	No Update to Provide	5/19/2010	
West Iowa Telephone Company	Cable	No Update to Provide	1/27/2010	
West Liberty Telephone Company	Fiber	No Update to Provide	1/25/2010	
Western Iowa Networks	DSL	No Update to Provide	2/22/2010	
Western Iowa Networks	Fiber	No Update to Provide	2/22/2010	
Western Iowa Networks	Fixed Wireless	No Update to Provide	2/22/2010	
Western Iowa Telephone Association	DSL	No Update to Provide	4/22/2010	
WideOpenWest Finance, LLC	Cable	No Update to Provide		[MAR-07-13 Matthew Brunt] Change: WideOpenWest Finance, LLC acquired Knology; they are now a broadband provider for the state.
Winnebago Cooperative Telecom Association	Fixed Wireless	No Update to Provide	1/22/2010	[FEB-13-13 Layne Wagner] Received notice from a company representative that they plan to discontinue the fixed wireless platform by Q2 2013.
WTC Communications, Inc.	Cable	No Update to Provide	3/22/2010	
WTC Communications, Inc.	DSL	No Update to Provide	3/22/2010	
WTC Communications, Inc.	Fixed Wireless	No Update to Provide	3/22/2010	
Wyoming Mutual Telephone Company	DSL	No Update to Provide	2/19/2010	
Be Line Wireless	Fixed Wireless	No Update Provided – Use Last Submission Data	1/15/2013	[MAR-07-13 Matthew Brunt] Change: Be Line Wireless acquired East Buchanan Telephone Cooperative's fixed wireless service.
Brooklyn Mutual Telecommunications Cooperative	DSL	No Update Provided – Use Last Submission Data	4/21/2010	
Clarence Telephone Company, Inc.	Fiber	No Update Provided – Use Last Submission Data		
Cogent Communications, Inc.	Backhaul	No Update Provided – Use Last Submission Data		
Communications 1 Network, Inc.	Fiber	No Update Provided – Use Last Submission Data	4/14/2010	
Eastlight, LLC	Fixed Wireless	No Update Provided – Use Last Submission Data		
Fenton Co-Op Telephone Company	DSL	No Update Provided – Use Last Submission Data	4/16/2010	
FiberComm L.C.	Backhaul	No Update Provided – Use Last Submission Data	2/15/2010	
FiberComm L.C.	DSL	No Update Provided – Use Last Submission Data	2/15/2010	
FiberComm L.C.	Fixed Wireless	No Update Provided – Use Last Submission Data	2/15/2010	
Goldfield Access Network, L.C.	DSL	No Update Provided – Use Last Submission Data	1/22/2010	
Goldfield Access Network, L.C.	Fiber	No Update Provided – Use Last Submission Data	1/22/2010	Reseller providing data.
Goldfield Access Network, L.C.	DSL	No Update Provided – Use Last Submission Data	1/22/2010	Reseller providing data.
Grand Mound Cooperative Telephone Association	Fiber	No Update Provided – Use Last Submission Data		
Grand Mound Cooperative Telephone Association	DSL	No Update Provided – Use Last Submission Data		
Grand Mound Cooperative Telephone Association	Fixed Wireless	No Update Provided – Use Last Submission Data		
Grand River Mutual Telephone Corporation	Fixed Wireless	No Update Provided – Use Last Submission Data	2/5/2010	
Grand River Mutual Telephone Corporation	DSL	No Update Provided – Use Last Submission Data	2/5/2010	
Grand River Mutual Telephone Corporation	DSL	No Update Provided – Use Last Submission Data	2/5/2010	
Grand River Mutual Telephone Corporation	Fiber	No Update Provided – Use Last Submission Data	2/5/2010	
Internet Consulting Services, LLC	Fixed Wireless	No Update Provided – Use Last Submission Data	5/19/2010	
Internet Solver, Inc.	DSL	No Update Provided – Use Last Submission Data		Reseller providing data.
Nexgen Integrated Communications, LLC	DSL	No Update Provided – Use Last Submission Data		
Nexgen Integrated Communications, LLC	Fiber	No Update Provided – Use Last Submission Data		
Radcliffe Telephone Company, Inc.	Backhaul	No Update Provided – Use Last Submission Data	4/26/2010	
Radcliffe Telephone Company, Inc.	Fiber	No Update Provided – Use Last Submission Data	4/26/2010	
Woolstock Mutual Telephone	Fixed Wireless	No Update Provided – Use Last Submission Data	5/19/2010	
Woolstock Mutual Telephone	DSL	No Update Provided – Use Last Submission Data	5/19/2010	
Zayo Group, LLC	Backhaul	No Update Provided – Use Last Submission Data		
Windstream Communications	DSL	Solicited Initial Data		
Mechanicsville Telephone Company	DSL	Slated Field Audit for Estimated Coverage Analysis		In addition to numerous contact attempts made since October 2010, 4 contact attempts were made this period.
Mechanicsville Telephone Company	Fixed Wireless	Slated Field Audit for Estimated Coverage Analysis		In addition to numerous contact attempts made since April 2011, 4 contact attempts were made this period.