

Arkansas Broadband Changes and Corrections October 1, 2011 Data Submission

Changes:

- All coverages Adjusted to 2010 Census Data and Address Points where available.
- Identified and added **HortonTv** fixed wireless data.
- **ArkWest** added fiber infrastructure.
- **North Arkansas Telephone** added fiber infrastructure
- **CenturyLink** expanded DSL infrastructure.
- **CoBridge Broadband** expanded cable infrastructure.
- **IndCo.net** expanded infrastructure in Fixed Wireless.
- **CityWireless** expanded infrastructure in Fixed Wireless.
- **Ritter Communications** expanded fiber and cable infrastructure.
- **Clinton Cablevision** reduced cable infrastructure.
- **Nexus Systems** expanded Fixed Wireless Infrastructure.
- **Vue Wireless** expanded Fixed Wireless Infrastructure.
- **G5 Internet** expanded Fixed Wireless Infrastructure.
- **Wireless Etc.** expanded Fixed Wireless Infrastructure.
- **HillBilly Wireless** expanded Fixed Wireless Infrastructure.
- **Aristotle Internet Services** expanded Fixed Wireless Infrastructure.
- **The Computer Works** expanded Fixed Wireless Infrastructure.
- **AT&T Mobility** expanded Mobile Broadband coverage.
- **T-Mobile** expanded Mobile Broadband coverage.
- **Cricket Communications** expanded Mobile Broadband coverage.
- **Sprint** expanded Mobile Broadband coverage.
- **Verizon Wireless** expanded Mobile Broadband coverage.
- **Mountain View Telephone** coverage rolled into **Yelcot Telephone** coverage at request of owner.

Corrections:

- Miscellaneous Changes and Corrections for **AT&T** from provider.
- Miscellaneous Changes and Corrections for **Suddenlink** from provider.
- Miscellaneous Changes and Corrections for **South West AR Telephone Cooperative** from provider.
- Miscellaneous Changes and Corrections for **PGTelco** from provider.
- Miscellaneous Changes and Corrections for **Horizon** from provider.

Colorado Broadband Data Changes and Corrections

October 1, 2011 Data Delivery Report

Changes

- **Alltel Wireless**-No longer a broadband service provider, acquired by AT&T Inc.
- **Blanca Telephone Company**- Service provider expanded their fiber to the home service.
- **Town of Timnath**- No longer a broadband service provider, stopped providing service.
- **Wiggins Telephone Association**-Service provider expanded their fiber service for their entire service area and added DSL service to the Raymer area.
- **CenturyTel, Inc.** -Received new data from provider and converted to 2010 Census Blocks.
- **Comcast Cable Communications, LLC**-Received new data from provider and converted to 2010 Census Blocks.
- **CSC Holdings, LLC**-Received new data from provider and converted to 2010 Census Blocks.
- **Delta County Tele-comm, Inc.** -Received new data from provider and converted to 2010 Census Blocks.
- **DIECA Communications, Inc.** -Received new data from provider and converted to 2010 Census Blocks.
- **Farmers Telecommunications, Inc.** -Received new data from provider and converted to 2010 Census Blocks.
- **Leap Wireless International, Inc.** -Received new data from provider and converted to 2010 Census Blocks.
- **Level 3 Communications, LLC**-Received new data from provider and converted to 2010 Census Blocks.
- **Magnolia Road Internet Coop**-Received new data from provider and converted to 2010 Census Blocks.
- **New Edge Network, Inc.** -Received new data from provider and converted to 2010 Census Blocks.
- **Plains Cooperative Telephone Association, Inc.** -Received new data from provider and converted to 2010 Census Blocks.
- **Qwest Corporation**-Received new data from provider and converted to 2010 Census Blocks.
- **Rye Telephone Company, Inc.** -Received new data from provider and converted to 2010 Census Blocks.
- **San Isabel Telecom, Inc.** -Received new data from provider and converted to 2010 Census Blocks.
- **South Park Telephone Company, LLC**-Received new data from provider and converted to 2010 Census Blocks.
- **Sprint Nextel Corporation**-Received new data from provider and converted to 2010 Census Blocks.
- **Strasburg Telephone Company**-Received new data from provider and converted to 2010 Census Blocks.

- **Time Warner Cable**-Received new data from provider and converted to 2010 Census Blocks.
- **T-Mobile USA, Inc.** -Received new data from provider and converted to 2010 Census Blocks.
- **Verizon Wireless**-Received new data from provider and converted to 2010 Census Blocks.

Corrections

- **Big Sandy Telecom, Inc.**- No longer a broadband service provider, removed their data after all validation testing and conversation *with the provider* and determined that the maximum download speed was 512 kbps across the board.
- **J.e.d. Enterprises, Inc.**-After validation testing, we meet with service provider and refined their service area.
- **Nucla-Naturita Telephone Company** – First round in which data was collected from this provider.
- **Cogent Communications, Inc.** – First round in which data was collected from this provider



State of Connecticut

Connecticut Department of Energy and Environmental Protection

Broadband Project

Change and Correction report for the September 30, 2011 submission:

Corrections:

- Due to NTIA policy changes all blocks were converted from Census 2009 format to Census 2000. This resulted in a large number of record count updates.
- In those areas where a cable provider offers both Cable – DOCIS 3.0 and Cable – Other (typically DOCIS 2.0), we used to list these as separate records. At NTIA's direction these are now only reported once under DOCIS 3.0. This greatly reduced the number of records we reported for some providers.
- The wireless providers made some minor adjustments to their existing 3G coverage areas, typically being a bit more conservative with areas shown as served, particularly in the NW Hills area of the state.
- PAETEC has now agreed to participate and is including their data. It should be noted however that they advertise a very high speeds, but typically the subscription for that location is much lower.
- HughesNet has now agreed to provide their data. They are a satellite provider that can cover almost the entire state.
- In the NW corner of the state, the two wire line providers (Comcast and AT&T) are being a bit more reserved in what areas they show as being served.
- RCN Corporation was bought out by Sidera.
- DSL Net and MegaPath are now part of Covad.

Notable Changes:

- Comcast greatly enhanced DOCIS 3.0 availability and speed offerings to their existing areas.
- Thames Valley Communications (Cable provider in SE Connecticut) has increased their advertised speeds.
- TMobile significantly expanded its footprint in the state.
- Verizon Wireless significantly expanded its 4G rollout with more coverage and faster speeds.



Changes and Corrections
SBDD October 2011 Data

Hawaii Broadband Data Changes and Corrections October 1, 2011 Data

Changes:

- **TrexBroadband, Inc.** – New provider/reseller into the marketplace
- **TW Telecom**– Aligned old census blocks and intersected with the new 2010 Census
- **Hawaiian Telcom**– Applied existing coverage area to new 2010 Census

Corrections:

- **Sandwich Isles Communications** – Applied coverage map against the official state release of Hawaiian Homelands boundaries.



Commonwealth of Kentucky
State Broadband Initiative (SBI)
Broadband Mapping Project
October 1, 2011 NTIA Submittal (June 2011 Data)
Changes/Corrections from Spring 2011 Submission

Changes:

- **Clearwire Corporation:** First time delivering data for this provider
- **Highland Telephone Cooperative:** First time delivering data for this provider
- **MegaPath/DSLnet:** First time delivering data for this provider
- **Ky WIFI:** First time delivering data for this provider
- **Mega Wi:** First time delivering data for this provider
- **Owensboro Municipal Utilities:** First time delivering data for this provider
- **Census 2000 to 2010 Translation:** Record counts per provider vary with the previous submittal even though the broadband service availability data did not change for some providers due to the migration from 2000 to 2010 Census data.
- **Data Package Spreadsheet:** For the Provider Table tab contained in the KY_DataPackage_2010_10_01.xlsx, broadband service providers are listed multiple times in the Filing Company DBA column because of multiple transmission technology offerings and/or different Filing Company Name.

Corrections:

- **AT&T Kentucky:** Speed Tier Added
- **AT&T Mobility:** Speed Tiers Updated
- **Barbourville Online:** Speeds and Techs added
- **Brandenburg Telecom LLC:** Speed Tiers Updated
Speed TierS Removed
- **City of Willamstown Cable and Internet:** Speed Tier Removed
Speeds and Techs added
- **Eastern Cable Corp:** Technology updated
- **Frank Howard TV Cable:** Did not provide data – Submitted 3rd party data
- **House Enterprises, Inc.:** Speed Tiers Updated
Did not provide data – Submitted 3rd party data
- **Inside Connect Cable:** Technology updated
- **Insight Communications:** Speeds and Techs added
Speed Tier Removed
Did not provide data – Submitted 3rd party data



Commonwealth of Kentucky
State Broadband Initiative (SBI)
Broadband Mapping Project
October 1, 2011 NTIA Submittal (June 2011 Data)
Changes/Corrections from Spring 2011 Submission

Corrections (continued):

- **Logan Telephone Cooperative:** Speed Tiers Updated
- **Mountain Telephone:** Speed and Tech added
- **City of Williamstown:** Did not provide data – Submitted 3rd party data
- **Suddenlink Communication:** Speed Tiers Updated
Speed Tiers Removed
- **TW Telecom of KY:** Speeds and Techs added



State of Louisiana
State Broadband Data and Development (SBDD)
Broadband Mapping Project
June 2011 Data
October 1, 2011 NTIA Submittal

Changes:

AT&T Louisiana – Added Speed Tier, Maxdown of 7 and Max Up of 4

Squire Creek Communications – Due to the 2010 Census conversion, they went from being all Greater Than 2 Square Mile Census Blocks to all Less Than 2 Square Mile Census Blocks.

Cameron Telephone Company, LLC – Added TransTec 50.

Charter Communications – Added TransTec 40.

Comcast Cable Communications, LLC – Added TransTec 40.

Cox Communications – Removed TransTech 41.

Suddenlink Communications - Provided Address Points.

American Warrior Network - Spring 2011 address points are all now in Census Blocks Less than 2 Square Miles and therefore we not submitted.

Northeast Louisiana Telephone - Provided Address Points.

Trust Cable - Increased download speed from Cat 7 to Cat 8.

Cable ONE - Increased download speed from Cat 7 to Cat 9.

T-Mobile - Increased download speed from Cat 6 to Cat 7.

Kaplan Telephone Co. - Increased download speed for TransTech 10 from Cat 6 to Cat 7 and decreased upload from Cat 6 to Cat 3. Increased download speed for TransTech 50 from Cat 7 to Cat 9 and decreased upload from Cat 7 to Cat 5.

Wave2Wave Communications Inc. – Removed from Service.

Corrections:

CenturyLink – Lowered Max Upload speeds

Massachusetts Broadband Data Changes and Corrections June 30, 2011 Data

Changes:

Administrative or infrastructure changes that affect the location or type of service provided.

- **Cox Communications:** Cable modem services were upgraded to DOCSIS 3.0, which allowed the provider to offer higher speeds.
- **Russell Municipal Cable T.V.:** Added a small area of new service and connected with another municipal provider's fiber, which enabled them to take on more customers. This will also allow higher speeds in the future.
- **MetroPCS:** First round submitting data for this provider. This provider began offering 4G wireless broadband services in Massachusetts in December 2010. The data was created from maps and other service information on the provider's web site.
- **Sidera Networks:** RCN New York Communications (d.b.a. Sidera Networks) split from RCN and is now an independent provider.
- **T-Mobile:** Doubled their 4G wireless broadband speeds in the Boston metro area.
- **Verizon Wireless:** Expanded their 4G wireless broadband coverage in the Boston metro area.

Corrections:

Modifications to the data to more accurately reflect the location or type of service provided

- **Covad Communications Company:** First round submitting their asymmetric DSL service, which is primarily used for their residential subscribers.
- **Norwood Light Broadband:** First round submitting data for this provider.
- **RCN:** First round submitting serviceable non-subscriber locations, in addition to subscriber locations. This resulted in significantly better and more contiguous representation coverage area. Maximum advertised speeds were also corrected.
- **Sprint:** Reduced the size of their 4G service area. It appears that this may be the result of a change in propagation modeling parameters.
- **USAi.net:** First round submitting data for this provider. The data was created from maps and other service information on the provider's web site. They offer additional services that are not included.
- **Verizon:** The MBI removed or reduced DSL services in select towns in western Massachusetts, based on feedback from community representatives that we believe are knowledgeable about DSL availability in their area. Added fiber optic services in central and western Massachusetts back into the dataset, which were previously removed to avoid misrepresenting these regions as having significantly higher broadband speeds than are generally available. With the introduction of an end user category, these fiber optic services were designated as services for medium to large businesses.
- **Warwick Broadband Service:** Expanded the service area boundary to cover an additional area that is serviceable, but was not captured by propagation modeling.

Note: Due to the switch from 2000 Census Blocks to 2010 Census Blocks, there will be minor differences in the coverage areas.



Maine Broadband Data Changes and Corrections

June 30, 2011 Data

Submitted by:

James W. Sewall Company on behalf of ConnectME Authority - Maine Broadband Mapping Grantee
October 1, 2011

Changes:

- **AT&T Mobility** - Expanded Mobile broadband coverage.
- **T-Mobile** - Expanded Mobile broadband coverage.
- **Verizon Communications Inc.** - Refinements made resulting in minor Mobile broadband coverage change.
- **U S Cellular** - Refinements made resulting in minor Mobile broadband coverage change.
- **Axiom Technologies** - Expanded Fixed Wireless Infrastructure (1 access point).
- **Telephone and Data Systems, Inc.** - Expanded DSL infrastructure.
- **Maine Fiber Company** - 90 Middle Mile splices added due to more active fiber.
- **China Telephone Co. (FairPoint Communications)** - 1st Data Submission.
- **Northland Telephone Co. (FairPoint Communications)** - 1st Data Submission.
- **Maine Telephone Co. (FairPoint Communications)** - 1st Data Submission.
- **Community Service Co. of Maine (FairPoint Communications)** - 1st Data Submission.
- **Standish Telephone Co. (FairPoint Communications)** - 1st Data Submission.
- **Sidney Telephone Co. (FairPoint Communications)** - 1st Data Submission.
- **Northern New England Telephone Operations LLC (FairPoint Communications)** - 4,555 address revisions.
- **Xpress America** - 1st Data Submission.
- **Biddeford Internet Corporation (Great Works Internet – GWI)** - 1st Data Submission for SDSL service.
- **Biddeford Internet Corporation (Great Works Internet – GWI)** - ADSL revisions based on collocation updates.
- **Cornerstone Communications** - ADSL revisions based on collocation updates.
- **Aroostook Internet** - Acquired by Pioneer Broadband. All Aroostook Internet records now processed and delivered under Pioneer Broadband.
- **Pioneer Broadband** - 1st Data Submission for ADSL service.
- **One Communications** - 1st Data Submission.
- **Time Warner Cable Inc.** - Data submission format resulted in overall change in broadband footprint.

- **Unicap, Inc. (Bluestreak)** - New Fixed Wireless provider. NDA executed but data not yet received.
- **New Edge Holding Company** - 1st Data Submission (Resell, business only customers) Populated BB_Service_Address feature class.
- **North Country Broadband LLC** - New provider. Waiting for NDA to be executed.
- **Lightyear Network Solutions** - 1st Data Submission (Mobile Reseller).
- **Census Block Geography** - Data changes to fixed wired technologies (Type 10, 20, 30, 40, 41, 50) occurred due to the transition from 2000 Census Block to 2010 Census Block geography.
- **Community Anchor Institutions** – Category record counts are subject to change due to additional data sources and on-going scrubbing tasks. Tasks specific to this data submission include calling, scrubbing out duplicate records, school consolidations and additional private school updates acquired through NCES.

Corrections:

- **Time Warner Cable Inc.** - Data submission format changed to former and current customer addresses resulting in change of overall broadband coverage.
- **McGraw Communications** - Upon further research, determined that provider does not offer broadband service in Maine.
- **Level 3 Communications** - Upon further research, determined that provider does not offer broadband service in Maine.
- **Megapath, Inc.** - Merged with Covad Communications but still operates separately and not under parent DIECA Communications. Megapath, Inc. was listed as DBA DSL.net, Inc. in the previous data submission.
- **Covad Communications** - Re-processed data to incorporate more accurate speed tiers.
- **Covad Communications** - Now operates as dba under DIECA Communications.
- **Internal Processing Revision** – Additional processes added to include a more granular review of census block coverage by provider.

Montana Broadband Data Changes and Corrections Report
June 30, 2011 Data (Fall 2011 Update)
9/23/2011

DATA PROCESSING NOTES

2000 to 2010 Census Block Conversion

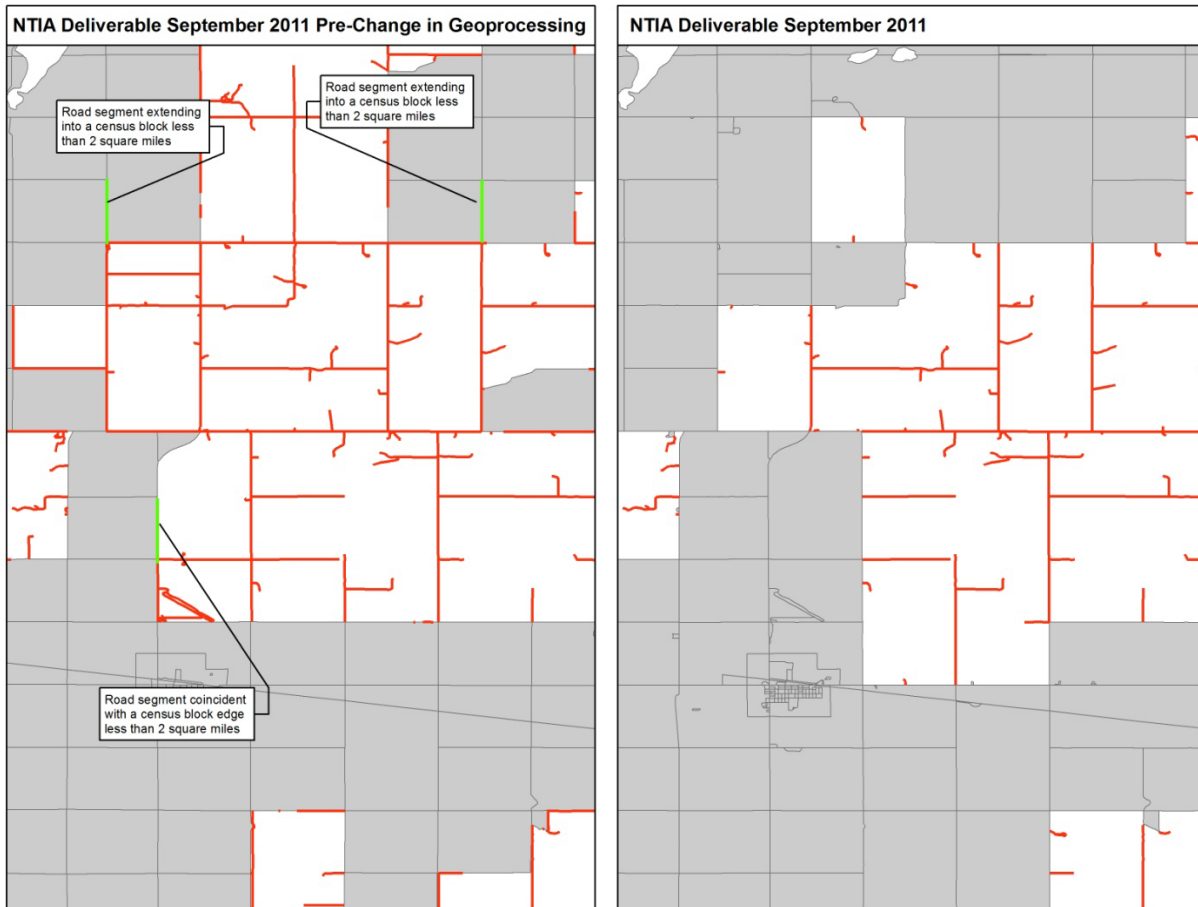
2000 to 2010 Census Block Conversion

The September 2011 deliverable to NTIA required the transition from 2000 census data to 2010 census data. The conversion process was dependent upon the type of data submitted by a provider - block providers or coverage providers. Block providers submit their data by census block, coverage providers submit data by defining their service area geographically in GIS, CAD, or map format.

The conversion to 2010 census geography was a straightforward process for the coverage providers; the reference to the census block data in the geoprocessing model used to select census blocks and road segments was simply changed from the 2000 data to the 2010 data and each provider's data was re-run. The conversion from 2000 census to 2010 census data for block providers required several geoprocessing steps due to the inability to simply match census block IDs from 2000 to 2010 vintages. The census blocks for each provider were dissolved by type of technology to form a quasi-coverage area. The dissolved blocks were then used to select any 2010 census block whose centroid fell within the "coverage area."

Road Segment Geoprocessing Change

In previous submissions to NTIA, road segment in census blocks greater than 2 square miles were selected with a straight intersect. This resulted in road segments being selected that were coincident with census block edges in blocks less than or equal to 2 square miles. Using this same geoprocessing methodology combined with the new 2010 census blocks and TIGER roads, road segments were selected that were coincident with census block edges and that extended into census block less than or equal to 2 square mile. We believe this "error" occurred due to the improvements in the spatial accuracy of both the 2010 census blocks and road segments (green lines in the image below are examples of this issue) for 2010 where features were now coincident. For the September 2011 submittal a small negative buffer (-0.5 feet) was applied to the intersect to avoid selecting roads that were coincident with census block edges and/or those that extended into census blocks less than 2 square miles. This resulted in a significant decrease in the number of road segments reported but overall we believe this method more accurately portrays each provider's coverage area.



SBDD Request on Speed Frequency

In our data review for the last NTIA submission with Andrew MacRae on July 19, 2011, he requested that we contact all providers reporting DSL speed tier codes of 7 or greater and request clarification on how they were able to meet those speed tiers. We subsequently sent out emails to two providers (Blackfoot Communications, Inc. and Blackfoot Telephone Cooperative, Inc., Bridgeband Communications, Inc.) to verify if their reported speeds in Tier 7 for ADSL were accurate and if so provide documentation. We received email from one of the providers we emailed who responded with explanation they were using DSL2+ technology, and provided detailed documentation, including speed tests to verify that their speeds were correctly in the speed tier 7 (10-25 mbps) range. Further research showed that they were correct, the ADSL 2+ appears to have been introduced in 2007 and is standard technology, and speeds are commonly in the speed tier 7 and potentially in speed tier 8. In examining the spreadsheet that Andrew sent summarizing all nationwide speed tiers, our analysis shows 36% of the responses from providers nationwide were speed tier 7. This represents the largest response percentage of any speed class for ADSL, and does not appear in retrospect to be an anomaly that should have been pursued.

SBDD Request on Provider Research

In our data review for the last NTIA submission with Andrew MacRae on July 19, 2011, he requested that we add to Data Package Provider Table all providers in the state that we researched, but that did not meet the criteria for broadband service. He also requested that we include providers in the state that did meet with criteria for broadband service, but have not or will not provide data. These providers are included in the Data Package Provider Table.

SBDD Request on FCC FRNs

For those providers who did not submit an FRN, we changed or added the FRN to match FCC Form 477 (June 2009) MT SBDD Submission Summary.xlsx.

Data Package Revision

We added a column to the Data Package Provider Table titled "Company Name" because of the large number of providers who have the same DBA.

Changes/Corrections

Changes

- **3 Rivers Telephone Cooperative, Inc.** - Worked with provider to update coverage and speeds. Added TFWU because of acquisition of Big Sky Wifi. Changed FRN to match FCC Form 477 (June 2009) MT SBDD Submission Summary.xlsx.
- **360networks** - Submitted spreadsheet of middle-mile locations. First round in which data was included for this provider.
- **Alltel Wireless** - Removed coverage because of merger with AT&T. (approx April 2011).
- **AT&T** – Added coverage from image on website (AT&T would not provide data). Used speeds from Mobility Response ND June 2011.xlsx. First round in which data was included for this provider.
- **Cellco Partnership** - Submitted shapefile of updated coverage.
- **CenturyTel, Inc.** – Submitted shapefile and census block spreadsheet of updated coverage. Assigned Qwest Corporation to CenturyTel, Inc. BB_ConnectionPoint_MiddleMile feature class.
- **Qwest Corporation** - Deleted coverage because of merger with CenturyTel, Inc. (approx March 2011).
- **Range Telephone Company** – Worked with provider to update ADSL and SDSL coverage and speeds.

Corrections

- **Antilles Wireless LLC** - Changed DBA to match FCC Form 477 (June 2009) MT SBDD Submission Summary.xlsx dba USA Companies, L.P.
- **Big Sky Wifi** - Removed coverage because of acquisition by 3 Rivers Telephone Cooperative, Inc.
- **Blackfoot Communications, Inc.** – Re-processed coverage to more accurately reflect coverage area and run geoprocessing model with road clip and centroid selection. Changed DBA to match FCC Form 477 (June 2009) MT SBDD Submission Summary.xlsx dba Blackfoot Telephone Cooperative, Inc.
- **Blackfoot Telephone Cooperative, Inc.** – Re-processed coverage to more accurately reflect coverage area and run geoprocessing model with road clip and centroid selection.





- **Bridgeband Communications, Inc.** - Re-processed coverage to more accurately reflect coverage area and run geoprocessing model with road clip and centroid selection.
- **Cable Montana, LLC** - Re-processed coverage to more accurately reflect coverage area and run geoprocessing model with road clip and centroid selection. Changed DBA to match FCC Form 477 (June 2009) MT SBDD Submission Summary.xlsx dba USA Companies, L.P.
- **Central Montana Communications, Inc.** - Changed DBA to match FCC Form 477 (June 2009) MT SBDD Submission Summary.xlsx dba Triangle Telephone Cooperative Association, Inc.
- **CSC Holdings, Inc.** - Re-processed coverage to more accurately reflect coverage area and ran geoprocessing model with road clip and centroid selection on the urban/suburban areas that had speed tests and cross-checked with FCC franchise list. Although CSC Holdings, Inc. submitted a coverage for this round it appeared to over-estimate their service area and included many census blocks greater than two square miles.
- **HNS License Sub, LLC** - Changed FRN and DBA to match FCC Form 477 (June 2009) MT SBDD Submission Summary.xlsx. Update speed per website.
- **Hot Springs Telephone** - Re-processed coverage to more accurately reflect coverage area and run geoprocessing model with road clip and centroid selection.
- **Konceptio Data Service LLC** - Removed overlapping polygons to ensure that the highest maximum advertised speed was shown as opposed to multiple speed tiers for the same technology/spectrum combination. Added FRN from FCC Form 477 (June 2009) MT SBDD Submission Summary.xlsx.
- **Landmark Electronics** - Added FRN from FCC Form 477 (June 2009) MT SBDD Submission Summary.xlsx.
- **Lincoln Telephone Company, Inc.** - Re-processed coverage to more accurately reflect coverage area and run geoprocessing model with road clip and centroid selection.
- **Little Apple Technologies** - Changed DBA to match FCC Form 477 (June 2009) MT SBDD Submission Summary.xlsx dba LAT Inc.
- **Montana Internet Corporation** - Removed overlapping polygons to ensure that the highest maximum advertised speed was shown as opposed to multiple speed tiers for the same technology/spectrum combination.
- **Northern Telephone Cooperative, Inc.** - Re-processed coverage to more accurately reflect coverage area and run geoprocessing model with road clip and centroid selection.
- **Project Telephone Company** - Changed DBA to match FCC Form 477 (June 2009) MT SBDD Submission Summary.xlsx dba Nemont Telephone Cooperative, Inc.
- **Southern Montana Telephone Company** - Re-processed coverage to more accurately reflect coverage area and run geoprocessing model with road clip and centroid selection.
- **Starband Communications, Inc.** – Updated speeds using original provider submission.
- **Triangle Communication Systems, Inc.** - Changed DBA to match FCC Form 477 (June 2009) MT SBDD Submission Summary.xlsx dba Triangle Telephone Cooperative Association, Inc.

- **WildBlue Communications, Inc.** – Updated speeds from website.
- **Windjammer Communications LLC** - Re-processed coverage to more accurately reflect coverage area and run geoprocessing model with road clip and centroid selection.

ADVERTISED SPEED REPORT

PROVNAME	TRANSTECH	SPECTRUM	MAXADDOWN	MAXADUP	NOTES
3 Rivers Telephone Cooperative, Inc.	10	0	3	2	
3 Rivers Telephone Cooperative, Inc.	10	0	6	3	
3 Rivers Telephone Cooperative, Inc.	50	0	3	2	
3 Rivers Telephone Cooperative, Inc.	50	0	6	3	
3 Rivers Telephone Cooperative, Inc.	70		5	3	
Antilles Wireless, LLC	70	6	6	3	
AT&T Mobility LLC	80		4	3	From AT&T ND
Blackfoot Communications, Inc.	10	0	4	4	
Blackfoot Communications, Inc.	10	0	5	4	
Blackfoot Communications, Inc.	10	0	6	6	
Blackfoot Communications, Inc.	10	0	7	6	
Blackfoot Telephone Cooperative, Inc.	10	0	6	4	
Blackfoot Telephone Cooperative, Inc.	10	0	7	4	
Bridgeband Communications, Inc.	10	0	7	3	
Cable Montana, LLC	41	0	5	2	
Cellco Partnership	80	1	5	4	
Central Montana Communications, Inc.	10	0	3	2	
Central Montana Communications, Inc.	10	0	4	2	
Central Montana Communications, Inc.	10	0	5	2	
Central Montana Communications, Inc.	10	0	6	2	
Central Montana Communications, Inc.	50	0	10	2	
CenturyTel, Inc.	10		4	3	
CenturyTel, Inc.	10		5	3	
CenturyTel, Inc.	10		6	3	
CenturyTel, Inc.	10		7	3	
Citizens Telecommunications Company of Montana	10	0	5	2	
CSC Holdings, Inc	41	0	7	3	
Grizzly Internet, Inc.	70	6	5	5	
HNS License Sub, LLC	60	9	4	2	
Hot Springs Telephone Company	10	0	4	2	
Interbel Telephone Cooperative, Inc.	10	0	6	2	
Konceptio Data Service LLC	70	6	5	4	
Konceptio Data Service LLC	70	6	7	6	
Landmark Electronics	71	5	4	2	
Lincoln Telephone Company, Inc.	10	0	3	2	
Lincoln Telephone Company, Inc.	10	0	5	3	
Little Apple Technologies	70	6	4	4	
Mid-Rivers Internet	10	0	3	2	
Mid-Rivers Internet	10	0	4	2	
Mid-Rivers Internet	10	0	5	3	
Mid-Rivers Internet	41	0	7	3	
Mid-Rivers Internet	71	2	4	2	
Montana Internet Corporation	70	6	3	3	
Montana Internet Corporation	70	6	4	4	
Montana Sky Networks	10	0	3	2	
Nemont Telephone Cooperative, Inc.	10	0	3	2	
Nemont Telephone Cooperative, Inc.	10	0	5	2	
Nemont Telephone Cooperative, Inc.	50	0	3	2	
Nemont Telephone Cooperative, Inc.	71	2	3	2	
Northern Telephone Cooperative, Inc.	10	0	3	2	
Northern Telephone Cooperative, Inc.	10	0	4	2	
Northern Telephone Cooperative, Inc.	10	0	5	2	

Northern Telephone Cooperative, Inc.	10	0	6	5
Northwest Communications	50	0	3	2
Oki Communications LLC	71	2	6	3
Polson CommunityTel	71	2	4	2
Project Telephone Company	10	0	3	2
Project Telephone Company	71	2	3	2
Range Telephone Cooperative, Inc.	10		5	2
Range Telephone Cooperative, Inc.	10		6	2
Range Telephone Cooperative, Inc.	10		6	3
Range Telephone Cooperative, Inc.	20		5	5
Range Telephone Cooperative, Inc.	20		6	3
Range Telephone Cooperative, Inc.	50		6	3
Rocky Mountain Internet	70	6	3	2
Ronan Telephone Company	10	0	5	3
Ronan Telephone Company	50	0	5	5
Ronan Telephone Company	50	0	6	6
Ronan Telephone Company	50	0	7	7
Southern Montana Telephone Company	10	0	4	3
Starband Communications, Inc.	60	9	3	2
Stellar Computing	70	6	5	5
Traceworks, LLC	70	6	3	2
Triangle Communication Systems, Inc.	70	6	4	2
Triangle Telephone Cooperative Association, Inc.	10	0	3	2
Triangle Telephone Cooperative Association, Inc.	10	0	4	2
Triangle Telephone Cooperative Association, Inc.	10	0	5	2
Triangle Telephone Cooperative Association, Inc.	10	0	6	2
Triangle Telephone Cooperative Association, Inc.	50	0	10	2
West River Cooperative Telephone Company	50	0	5	3
Western Montana CommunityTel	41	0	4	2
Western Montana CommunityTel	71	2	4	2
Wildblue Communications, Inc.	60	9	3	2
Windjammer Communications LLC	41	0	7	3
WispWest.net	70	6	5	2

 From Provider Data Submission
 No Speed Data from Provider, Entered Lowest Domain Value
 From Provider Website
 Special Case See Note Field

**North Dakota Broadband Data Changes and Corrections Report
June 30, 2011 Data (Fall 2011 Update)
9/23/2011**

DATA PROCESSING NOTES

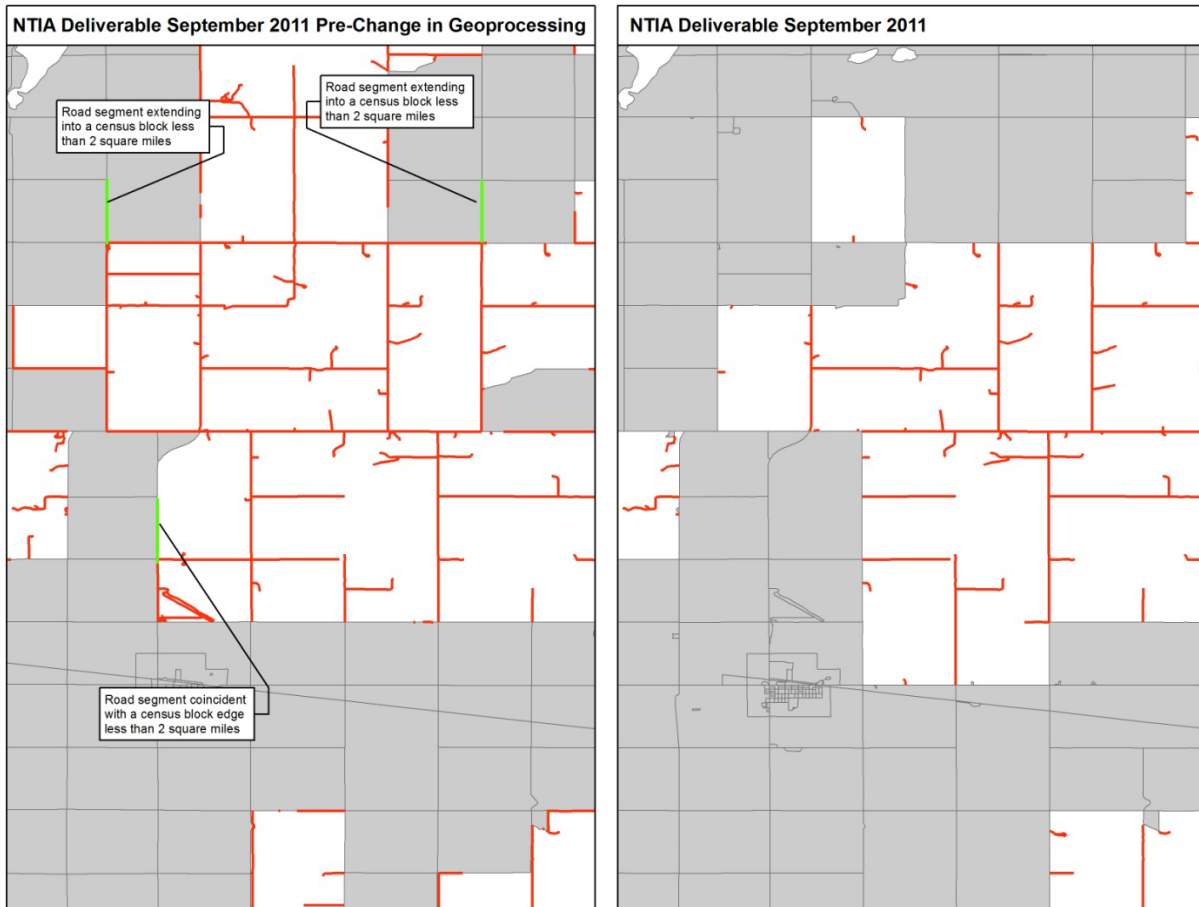
2000 to 2010 Census Block Conversion

The September 2011 deliverable to NTIA required the transition from 2000 census data to 2010 census data. The conversion process was dependent upon the type of data submitted by a provider - block providers or coverage providers. Block providers submit their data by census block, coverage providers submit data by defining their service area geographically in GIS, CAD, or map format.

The conversion to 2010 census geography was a straightforward process for the coverage providers; the reference to the census block data in the geoprocessing model used to select census blocks and road segments was simply changed from the 2000 data to the 2010 data and each provider's data was re-run. The conversion from 2000 census to 2010 census data for block providers required several geoprocessing steps due to the inability to simply match census block IDs from 2000 to 2010 vintages. The census blocks for each provider were dissolved by type of technology to form a quasi-coverage area. The dissolved blocks were then used to select any 2010 census block whose centroid fell within the "coverage area."

Road Segment Geoprocessing Change

In previous submissions to NTIA, road segment in census blocks greater than 2 square miles were selected with a straight intersect. This resulted in road segments being selected that were coincident with census block edges in blocks less than or equal to 2 square miles. Using this same geoprocessing methodology combined with the new 2010 census blocks and TIGER roads, road segments were selected that were coincident with census block edges and that extended into census block less than or equal to 2 square mile. We believe this "error" occurred due to the improvements in the spatial accuracy of both the 2010 census blocks and road segments (green lines in the image below are examples of this issue) for 2010 where features were now coincident. For the September 2011 submittal a small negative buffer (-0.5 feet) was applied to the intersect to avoid selecting roads that were coincident with census block edges and/or those that extended into census blocks less than 2 square miles. This resulted in a significant decrease in the number of road segments reported but overall we believe this method more accurately portrays each provider's coverage area.



SBDD Request on Speed Frequency

In our data review of last NTIA submission with Andrew MacRae on July 19, 2011, he requested that we contact all providers reporting DSL speed tier codes of 7 or greater and request clarification on how they were able to meet those speed tiers. We subsequently sent out emails to four providers, to verify if their reported speeds were accurate and if so provide documentation (Midstate Telephone Company, Polar Communications Mutual Aid Corporation & Polar Telcom, Inc., SRT Communications, Inc., West River Telecommunications Cooperative.) Most of the providers reported speed tier 7, one (SRT) reported speed tier 8. We received email from two of the providers we emailed who responded with explanation they were using DSL2+ technology, and provided detailed documentation, including speed tests to verify that their speeds were correctly in the speed tier 7 (10-25 mbps) range. Further research showed that they were correct, the ADSL 2+ appears to have been introduced in 2007 and is standard technology, and speeds are commonly in the speed tier 7 and potentially in speed tier 8. In examining the spreadsheet that Andrew sent summarizing all nationwide speed tiers, our analysis shows 36% of the responses from providers nationwide were speed tier 7. This represents the largest response percentage of any speed tier for ADSL, and does not appear in retrospect to be an anomaly that should have been pursued. The SRT speed tests did indicate that their coverage was in speed tier 7, so they were recoded from speed tier 8 to speed tier 7.

SBDD Request on Provider Research

In our data review for the last NTIA submission with Andrew MacRae on July 19, 2011, he requested that we add to Data Package Provider Table all providers in the state that we researched, but that did not

meet the criteria for broadband service. He also requested that we include providers in the state that did not meet with criteria for broadband service, but have not or will not provide data. These providers are included in the Data Package Provider Table.

SBDD Request on FCC FRNs

For those providers who did not submit an FRN, we changed or added the FRN to match FCC Form 477 (June 2009) ND SBDD Submission Summary.xlsx.

Data Package Revision

We added a column to the Data Package Provider Table titled "Company Name" because of the large number of providers who have the same DBA.

Changes/Corrections

Changes

- **Alltel Wireless** - Removed coverage because of merger with AT&T. (approx April 2011).
- **AT&T Mobility LLC** - Submitted shapefile for coverage. First round in which data was included for this provider.
- **BEK Communications Cooperative** - Worked with provider to update ADSL and FTTEU census blocks.
- **Cable One Inc.** - Submitted spreadsheet to update census blocks and maximum advertised download/upload speeds.
- **Cellco Partnership** - Submitted shapefile for updated coverage.
- **CenturyTel, Inc.** - Submitted shapefile for coverage. First round in which data was included for this provider.
- **Consolidated Telecom** - Worked with provider to update FTTEU census blocks. Revised BB_Service_Overview.
- **Dakota Carrier Network** - Submitted updated circuit report to update the CAI.
- **Dakota Central Telecommunications Cooperative** - Worked with provider to update FTTEU census blocks. Submitted updated FTTEU speeds. Revised BB_Service_Overview.
- **HNS License Sub, LLC** - Added satellite coverage for the entire state per Andrew MacRae (NTIA review on 7/19). Used speeds from website. First round in which data was included for this provider.
- **i29 Wireless** - Submitted updates for coverage.
- **Inter - Community Telephone Company** - Submitted updates for middle-mile.
- **Polar Communications Mutual Aid Corporation** - Worked with provider to update FTTEU census blocks and speeds.
- **Polar Telecom, Inc.** - Worked with provider to update FTTEU census blocks and speeds.
- **Qwest Corporation** - Deleted coverage because of merger with CenturyTel, Inc. (approx March 2011).

- **Sprint Nextel Corporation** - Submitted shapefile for updated coverage.
- **SRT Communications, Inc.** - Submitted updated speed for ADSL census blocks with a maximum advertised downstream speed tier 8 to speed tier 7. (No changes to census blocks with maxaddown 4 or 6.)
- **StarBand Communications Inc.** - Added satellite coverage for the entire state per Andrew MacRae (NTIA review on 7/19). Used speeds from original provider submission. First round in which data was included for this provider.
- **Turtle Mountain Communications** - Submitted data to update coverage for FTTEU.
- **United Telephone Mutual Aid Corporation** - Submitted data to update coverage for FTTEU. Changed DBA to match FCC Form 477 (June 2009) ND SBDD Submission Summary.xlsx
- **WildBlue Communications, Inc.** - Added satellite coverage for the entire state per Andrew MacRae (NTIA review on 7/19). Used speeds from website. First round in which data was included for this provider.

Corrections




- **360 Networks** - Submitted spreadsheet of middle-mile locations, but there were no changes from the original data submitted on 20100513.
- **Halstad Telephone Company** - Revised Technology of Transmission from licensed (TFWL) to unlicensed (TFWU), based on original submission.
- **OrbitCom, Inc.** - Deleted BB_Service_Overview because of multiple speeds within counties.
- **Roberts County Telephone Cooperative Association** - Reviewed maps and responded that there are no updates for this round. Added FRN to match FCC Form 477 (June 2009) ND SBDD Submission Summary.xlsx. Changed name/dba to match information from Provider.
- **Zayo Enterprise Networks, LLC** - Changed DBA to match FCC Form 477 (June 2009) ND SBDD Submission Summary.xlsx

ADVERTISED SPEED REPORT

PROVNAME	TRANSTECH	SPECTRUM	MAXADDDOWN	MAXADUP	NOTES
Absaraka Cooperative Telephone Co., Inc.	10	0	4	2	
AT&T Mobility LLC	80	1	4	3	
BEK Communications Cooperative	10	0	3	2	
BEK Communications Cooperative	10	0	6	2	
BEK Communications Cooperative	50	0	8	5	
BTInet	70	6	3	2	
Cable One Inc.	41	0	9	4	
Cable Services Inc.	41	0	5	2	
Cellco Partnership	80	1	5	4	
CenturyTel, Inc.	10	0	4	3	
CenturyTel, Inc.	10	0	5	2	
CenturyTel, Inc.	10	0	6	3	
Consolidated Telcom	10	0	5	3	
Consolidated Telcom	41	0	7	4	

Consolidated Telcom	50	0	7	4
Consolidated Telcom	70	6	5	2
Dakota Central Telecommunications Cooperative	10	0	5	4
Dakota Central Telecommunications Cooperative	50	0	7	2
Dakota Central Telecommunications Cooperative	70	6	4	3
Dakota Central Telecommunications Cooperative	71	7	4	3
Dickey Rural Telephone Cooperative	10	0	5	2
Dickey Rural Telephone Cooperative	50	0	8	5
Extend America	70	6	3	3
Griggs County Telephone Company	10	0	4	2
Griggs County Telephone Company	10	0	6	3
Halstad Telephone Company	10	0	4	3
Halstad Telephone Company	71	6	4	3
HNS License Sub, LLC	60	9	4	2
i29 Wireless	70	6	3	2
i29 Wireless	70	6	4	2
IdeaOne Telecom	71	6	3	2
Inter-Community Telephone Company	10	0	3	2
Inter-Community Telephone Company	70	6	5	5
InvisiMax Inc.	70	6	5	5
InvisiMax Inc.	70	6	6	5
InvisiMax Inc.	70	6	6	6
Mid-Rivers Internet	10	0	4	2
Mid-Rivers Internet	41	0	7	3
Midcontinent Communications	40	0	9	5
Midstate Communications Inc.	10	0	6	5
Midstate Telephone Company	10	0	7	3
Moore & Liberty Telephone Company	10	0	4	3
Moore & Liberty Telephone Company	10	0	5	3
Moore & Liberty Telephone Company	10	0	6	3
Moore & Liberty/Griggs County Telephone	41	0	6	3
Nemont Telephone Cooperative, Inc.	10	0	3	2
Nemont Telephone Cooperative, Inc.	50	0	3	2
Nemont Telephone Cooperative, Inc.	71	2	3	2
North Dakota Telephone Company	10	0	3	3
North Dakota Telephone Company	10	0	4	3
North Dakota Telephone Company	10	0	7	3
North Dakota Telephone Company	50	0	8	5
Northwest Communications Cooperative, Inc.	10	0	3	2
Northwest Communications Cooperative, Inc.	10	0	5	2
Northwest Communications Cooperative, Inc.	50	0	5	2
Northwest Communications Cooperative, Inc.	70	6	3	2
OrbitCom, Inc.	10	0	4	3
OrbitCom, Inc.	10	0	5	3
Polar Communications Mutual Aid Corporation	10	0	6	3
Polar Communications Mutual Aid Corporation	50	0	10	9
Polar Communications Mutual Aid Corporation	71	2	5	3
Polar Telcom, Inc.	40	0	7	3
Polar Telcom, Inc.	50	0	10	9
Red River Rural Telephone Association, Inc.	10	0	6	2
Red River Rural Telephone Association, Inc.	50	0	9	5
Red River Rural Telephone Association, Inc.	70	6	4	3
Red River Rural Telephone Association, Inc.	71	2	4	3
Reservation Telephone Cooperative	10	0	3	2
Reservation Telephone Cooperative	10	0	4	2

Reservation Telephone Cooperative	10	0	5	2
Roberts County Telephone Cooperative	10	0	3	2
Roberts County Telephone Cooperative	10	0	4	2
Sprint Nextel Corporation	80	3	3	2
SRT Communications, Inc.	10	0	4	2
SRT Communications, Inc.	10	0	6	2
SRT Communications, Inc.	10	0	7	4
SRT Communications, Inc.	20	0	8	8
SRT Communications, Inc.	50	0	9	9
StarBand Communications Inc.	60	9	3	2
Turtle Mountain Communications	10	0	5	2
Turtle Mountain Communications	50	0	8	8
Turtle Mountain Communications	70	6	5	2
Turtle Mountain Communications	71	5	5	2
United Telephone Mutual Aid Corporation	10	0	5	2
United Telephone Mutual Aid Corporation	50	0	8	8
United Telephone Mutual Aid Corporation	70	6	5	2
United Telephone Mutual Aid Corporation	71	5	5	2
VAL-ED Joint Venture LLP	10	0	5	3
VAL-ED Joint Venture LLP	71	6	5	3
West River Cooperative Telephone Company	10	0	5	3
West River Cooperative Telephone Company	50	0	5	3
West River Telecommunications Cooperative	10	0	5	4
West River Telecommunications Cooperative	10	0	7	4
West River Telecommunications Cooperative	71	2	3	3
WildBlue Communications, Inc.	60	9	3	2
Wolverton Telephone Company	10	0	6	3

 From Provider Data Submission
 No Speed Data from Provider, Entered Lowest Domain Value
 From Provider Website



UNIVERSITY of NEW HAMPSHIRE

New Hampshire Broadband Data Changes and Corrections

June 30, 2011 Data

Submitted by:

New Hampshire Broadband Mapping & Planning Program

September 30, 2011

Changes:

- **Airespring, Inc.** – Provider identified as servicing NH through FCC Form 477 data
- **Akers Pond** – Changed name to SkyWireWifi; remained unresponsive
- **BergNet** – New provider identified by regional planning commission staff
- **Biddeford Internet Corporation (dba GWI)** – Provider identified as servicing NH through FCC Form 477 data
- **Bretton Woods** – Dropped as they don't offer download service > 768
- **Dixville Telephone** – Dropped as they don't offer download service > 768
- **Earthlink Business** – Purchased One Communications
- **FairPoint** – notified of additional coverage area originally served by FairPoint (Northland Telephone Company) prior to Verizon-FairPoint sale; provider did not submit associated data, so the expanded coverage area is not presently represented in the data
- **Freedom Ring Communications, LLC (dba BayRing Communications)** – Existing provider BayRing Communications identified as dba of Freedom Ring Communications
- **Global Crossing North America, Inc.** – Provider identified as servicing NH through FCC Form 477 data
- **Lakes Region Wireless** – New provider
- **NextWave Wireless Inc.** – Provider identified as servicing NH through FCC Form 477 data
- **New Edge Network, Inc.** – Provider identified as servicing NH through FCC Form 477 data
- **OTT Communications** – Identified as active service provider
- **Telovations, Inc.** – Provider identified as servicing NH through FCC Form 477 data
- **Vermont National Telephone Company, Inc.** – Provider identified as servicing NH through FCC Form 477 data

Corrections:

- **AT&T** – Reported changes in service area were due to roaming issues or adjustments to the tower/model tuning
- **Great Auk Wireless** – First round in which data was collected
- **HughesNet** - First round in which data was collected
- **IAMNOW.net** - First round in which data was collected
- **StarBand Communications** - First round in which data was collected
- **Wave Comm** - First round in which data was collected
- **WildBlue** - First round in which data was collected

Broadband Data Changes and Corrections

June 30, 2011 Data Currency / October 1, 2011 NTIA Submittal

There is an increase in the number of Census Blocks provided for this submittal because of the variation in the Census 2010 and Census 2000 Blocks (increased no. of Census 2010 Blocks with area ≤ 2 sq mi). These changes also affected the number of road segments; there is a decrease in the number of submitted road segments as a result of the increased number of blocks, both overall and with area less than or equal to 2 sq mi. This increase in number of Census Blocks affects all Provider data.

Changes:

No.	Internet Service Provider Name	Changes
1.	360networks (USA) Inc.	Service Facility Capacity data is added.
2.	ATT Mobility LLC	Expanded wireless coverage area compared to December 31, 2010. Included Middle Mile data for AT&T Corp.
3.	Cebridge Acquisition, L.P. (Suddenlink Communications)	Included Middle Mile data. No other significant changes in the data.
4.	Century Link, Inc.	Qwest Coverage is replaced by Century Link
5.	Roosevelt County Rural Telephone Cooperative, Inc. (Yucca Telecom)	Included Middle Mile data. No other significant changes in the data.
6.	Sierra Communications (a subsidiary of Baca Valley Telephone)	Included satellite coverage. No significant changes in the rest of the data.
7.	T-Mobile USA, Inc.	Included Middle Mile data. Expanded wireless coverage area compared to December 2010.
8.	Valley Telephone Cooperative, Inc.	Included Fiber Coverage.
9.	Star Band Communications, Inc.	Included Satellite Coverage to this dataset.
10.	Wild Blue Communications, Inc.	Included Satellite Coverage to this dataset.

Corrections:

No.	Internet Service Provider Name	Corrections
11.	Agave, LLC	No significant changes in the data.
12.	Baca Valley Telephone Company, Inc.	No significant changes in the data.
13.	Baja Broadband Operating Company, LLC	No significant changes in the data.
14.	Cable One, Inc.	No significant changes in the data.
15.	Cellco Partnership (Verizon Wireless)	Expanded wireless coverage area compared to December 2010 data.
16.	Comcast Cable Communications LLC	Expanded coverage in some parts of NM compared to December 2010 data.
17.	Copper Valley Telephone, Inc.	No significant changes in the data.
18.	Covad Communications Company	No significant changes in the data.
19.	Cyber Mesa Computer Systems, Inc.	No significant changes in the data.

20.	Dell Telephone Cooperative, Inc.	No significant changes in the data.
21.	E.N.M.R Telephone Cooperative	No significant changes in the data.
22.	Higher Speed Internet, LLC	No significant changes in the data.
23.	La Jicarita Rural Telephone Cooperative	No significant changes in the data.
24.	Leaco Rural Telephone Cooperative, Inc.	No significant changes in the data.
25.	Leap Wireless International, Inc. (Cricket)	No significant changes in the data.
26.	Level 3 Communications, LLC	No significant changes in the data.
27.	Key Communications (Southwestern Wireless)	No significant changes in the data
28.	Mescalero Apache Telecom, Inc.	No significant changes in the data.
29.	Navajo Communications Company (Frontier Navajo Communications)	No significant changes in the data.
30.	Panhandle Telephone Cooperative, Inc.	No significant changes in the data.
31.	Penasco Valley Telephone Cooperative, Inc.	No significant changes in the data.
32.	Plateau Telecommunications, Inc. (ENMR Telephone Cooperative)	No significant changes in the data.
33.	PVT Networks, Inc.	No significant changes in the data.
34.	Sacred Wind Communications, Inc.	No significant changes in the data
35.	Sprint Nextel Corporation	Expanded wireless coverage area compared to December 2010.
36.	Time Warner Cable LLC	No significant changes in the data.
37.	Tularosa Basin Telephone Cooperative, Inc.	No significant changes in the data.
38.	TW Telecom of New Mexico, LLC	No significant changes in the data.
39.	US Cable of Coastal-Texas, LP	No significant changes in the data.
40.	Western New Mexico Telephone Company, Inc.	No significant changes in the data.
41.	Valor Telecommunications of Texas, L.P.	No significant changes in the data.
42.	Yucca Telecommunications Systems, Inc. (Yucca Telecom)	No significant changes in the data.

Oklahoma Broadband Data Changes and Corrections:

June 30, 2011

October 1, 2011 NTIA Submittal

Corrections

Provider	Description
AirLink Internet Services LLC.	First round in which data was collected from this provider.
BTC Broadband	Provider adjusted service area.
BTC Broadband (Bixby Telephone Company)	Provider adjusted service area. Provider adjusted technology of transmission.
Cellular Network Partnership / CNP	First round in which data was collected from this provider.
Central Cellular LLC/COTC Connections	Provider adjusted service area. Provider adjusted technology of transmission. Provider adjusted infrastructure
Central Oklahoma Telephone Co. LLC	Provider adjusted service area. Provider adjusted infrastructure
Dobson Telephone, McLoud Division	First round in which data was collected from this provider.
Grand Telephone Company	Provider adjusted service area. Provider adjusted speeds
HughesNet	First round in which data was submitted for this provider.
Oklahoma Telephone & Telegraph, Inc	Provider adjusted service area.
Ozark Telephone Company	First round in which data was collected from this provider.
Seneca Telephone Company	First round in which data was collected from this provider.
Shidler Telephone Company	Provider adjusted service area.
TW Telecom of Oklahoma	Provider adjusted technology of transmission.

United Telephone (Provider Name: United Telephone Association Inc.)	Provider adjusted technology of transmission.
WildBlue Communications, Inc.	First round in which data was submitted for this provider.

Changes

Provider	Description
AT&T Southwest (Provider Name: AT&T Communications of Texas)	Provider adjusted service area. Provider added fiber technology.
AT&T Mobility LLC	Provider adjusted service area.
Beggs Telephone Company, Inc.	Provider adjusted service area. Provider improved speeds.
Cable One	Provider adjusted service area. Provider adjusted technology of transmission. Provider improved speeds.
Canadian Valley Telephone Company	Provider adjusted service area. Provider improved speeds.
Carnegie Telephone Company	Provider adjusted service area. Provider improved speeds.
Cogent Communications, Inc	Provider adjusted service area.
Cox Communications	Provider adjusted service area. Provider adjusted technology of transmission. Provider improved speeds.
Cricket Communications, Inc. (Provider Name: Leap Wireless International, Inc.)	Provider expanded spectrums.
FairPoint Communications (Provider Name: Chouteau Telephone Company)	Provider adjusted service area. Provider improved speeds.
SkyBeam (Provider Name: Job Broadband)	First round in which data was collected from this provider. Provider bought Partnership Broadband
CommuniComm (Provider Name: James Cable)	Provider adjusted service area. Provider improved speeds.
KanOkla Communications, Inc (Provider Name: KanOkla Telephone Association)	Provider adjusted service area. Provider adjusted spectrum.
Level 3 Communications LLC.	Provider adjusted service area.
Pioneer Telephone Cooperative, Inc	Provider adjusted service area. Provider adjusted spectrum.
Sprint (Provider Name: Sprint Nextel Corporation)	Provider adjusted service area.
Suddenlink Communications	Provider adjusted service area.

	Provider removed one DBA
TDS Telecom	Provider adjusted service area.
T-Mobile	Provider adjusted service area. Provider improved speeds. Provider adjusted spectrum.
U.S. Cellular	Provider adjusted service area.
Verizon Wireless (Provider Name: Cellco Partnership)	Provider adjusted service area. Provider adjusted spectrum.
Windstream Oklahoma	Provider adjusted service area. Provider improved speeds.



Changes:

- **NEPAdata.com Venture, LLC:** Provider is also known as EZLinx and indicated they no longer provide broadband service.
- **Census 2000 to 2010 Translation:** Record counts per provider vary with the previous submittal even though the broadband service availability data did not change for some providers because there were 322,424 census blocks within Pennsylvania in the 2000 vintage data and there are now 421,545 census blocks in the 2010 data.
- **Data Package Spreadsheet:** For the Provider Table tab contained in the PA_DataPackage_2010_10_01.xlsx, broadband service providers are listed multiple times in the Filing Company DBA column because of multiple transmission technology offerings and/or different Filing Company Name.

Corrections:

- **Armstrong Utilities:** Speed tier corrected for inaccuracies.
- **Bentleyville Communications Corporation (FairPoint Communications):** Speed tier offering added and speed tier corrected for inaccuracies.
- **Comcast:** Technology of transmission corrected for inaccuracies.
- **Consolidated Communications:** Technology of transmission offering added.
- **Covad Communications:** Speed tier offering added.
- **Cricket Communications, Inc:** Speed tiers increased.
- **Cablevision (CSC Holdings, LLC):** First time delivering data for this provider.
- **Fibertech:** Speed tier removed.
- **Lightpath (CSC Holdings, LLC):** First time delivering data for this provider.
- **Marianna & Scenery Hill Telephone Company (Fairpoint Communications):** Speed tier offering added and speed tier corrected for inaccuracies.
- **Netcarrier Telecom, Inc.:** First time delivering data for this provider.
- **One Communications:** Speed tiers removed.
- **RCN Telecom Services, Inc.:** Speed tiers increased, speed tiers offerings added, and speed tiers removed.
- **Service Electric Cable TV, Inc.:** First time delivering data for this provider.
- **Service Electric Cablevision, Inc.:** Technology of transmission corrected for inaccuracies.
- **Sprint:** Speed tiers increased.
- **T-Mobile:** Speed tier offering added.



October 2011 NTIA Submittal (data accurate as of June 30, 2011)

Changes/Corrections from Previous (April 2011) Data Submission (data accurate as of Dec. 31, 2010)

- **Time Warner Cable:** Speed tier and technology of transmission corrected for inaccuracies.
- **Verizon Pennsylvania Inc.:** Speed tier corrected for inaccuracies.
- **Verizon Wireless:** Speed tier offering added.
- **Yukon Waltz Telephone Company:** Speed tier increased.

Rhode Island Changes and Corrections NTIA Submission September 30, 2011

Changes To The Data:

1. **Above Net** – First round of participation
2. **AT&T Wireless** – Updated data was received from the provider. The coverage area was updated to better match actual coverage areas.
3. **Clearwire** – First round of participation
4. **Covad Communications Co. / DIECA** – Updated data was received from the provider. The coverage area was updated to better match actual coverage areas on the ground, including the removal of coverage in the Town of Bristol.
5. **Cox Communications** – Updated data was received from the provider. The coverage area was updated to better match actual coverage areas.
6. **FiberTech** – The coverage area was expanded to include new coverage areas in RI.
7. **One Communications** – Updated data was received from the provider. The coverage area was updated to better match actual coverage areas.
8. **StarBand** – First round of participation
9. **Sprint** – Updated data was received from the provider. The coverage area was updated to better match actual coverage areas.
10. **T-Mobile** – Updated data was received from the provider. The coverage area was updated to better match actual coverage areas.
11. **Verizon** – Updated data was received from the provider. The coverage area was updated to better match actual coverage areas.
12. **Verizon Wireless** – Updated data was received from the provider. The coverage area was updated to better match actual coverage areas.

Corrections To The Data:

1. **LightTower** – Changed their coverage area based on review and analysis performed with the BBRI Team.
2. **One Communications** – Changed their coverage area and data attributes based on review and analysis performed with the BBRI Team.
3. **Cox Communications** – Updated technology type based on discussions between Cox and the BBRI Team.
4. **Level3/Broadwing** – The coverage area was updated based on speed tests captured by Rhode Island.

No Changes to The Data:

1. Broadviewnet
2. Cogent
3. Full Channel
4. Hughes Communications
5. Wildblue Communications



Utah Broadband Data Changes and Corrections Fall 2011 Submission

Substantive Changes:

- All providers data now shown using 2010 census geography
- **360:** Added one new middle mile
- **AT&T:** Coverage expanded greatly
- **Baja:** Coverage expanded
- **Bresnan:** Coverage reduced to only Cedar City
- **Cache Broadband:** Speeds Increased
- **Centracom:** Acquired Nephi area from Comcast
- **Comcast:** Nephi Area transferred to CentraCom
- **Emery Telcom:** Upgraded to DOCSIS 3.0 in Carbon and Grand Counties
- **Strata:** Coverage expanded to include Vernal
- **UTOPIA:** Speeds upgraded to 1G+
- **Verizon:** 4G area tripled in size

Substantive Corrections:

- **All West:** Corrected some areas set as wireline which were supposed to be wireless
- **CentraCom:** Coverage discussed with provider and small changes made
- **South Central Communications:** Coverage discussed with provider and changes made



SBDD Changes and Corrections October, 2011 NTIA Submittal

Changes:

- **AT&T (0004979233)** – provided update for wireless coverage; coverage area increased across Virginia
- **Charter (0017179383)** – provided update in census block 2010 geography; Update had additional coverage areas
- **Comcast (0004441663)** – provided update in census bock 2010 geography; update had a reduction in census block coverage
- **COVAD (0003753753)** – provided update in census block 2010 geography; provider coverage area a sizable change due to geography
- **Cox (0001524461)** – update provided; census blocks converted to 2010 geography and provider coverage area changed with update
- **Cricket (0002963528)** – provider updated wireless coverage although no apparent changes are presentable
- **Level 3 Communications (0003723822)** – updated with additional customer addresses and middle mile points
- **Northern Neck Wi-Fi (0017338054)** – updated with additional customer addresses and middle mile points which fell outside of coverage area; buffers created and included as new polygon
- **NTELOS Wireline (0002073138, 0003742442, 0003775244, 0003775301)** – update provided; census blocks converted to 2010 geography and provider coverage area changed with update
- **NTELOS Wireless (0005849518, 0001656180, 0002051720, 0002049328)** – wireless coverage area increased in the Hampton Roads area of Virginia
- **RCN (0003735016)** – first time provider
- **Shentel (0018024075, 0013393988)** – update provided; census blocks provided were converted to 2010 geography
- **Sprint (0003774593)** – wireless coverage area increased in the Shenandoah Valley region of Virginia
- **Sunset Digital Communications (0000826320)** – first time provider; submitted in 2010 census blocks
- **T-Mobile (0006945950)** – submitted an additional shapefile to represent non 4G coverage; noticeable increase in coverage across Virginia
- **TDS Telecom (0002073526, 0003767399, 0002058261)** – updated with additional customer addresses
- **Time Warner Cable (0013430244)** – provided update in census block 2010 geography; update had additional coverage areas as well

Corrections:

- **BIT Communications (0002031698)** – reviewed original submission from spring 2010 and replaced lines and address points in blocks less than two square miles with census geography 2010 in accordance with provider data; resulted in major decrease in address point and centerline features
- **CenturyLink (0018626853)** – provider update submitted in 2010 census geography and coverage changed; ProvName changed in data to “CenturyTel, Inc.”
- **MetroCast (0018547471)** – no provider update; replaced specific lines and address points in blocks less than two square miles with census geography 2010
- **Nelson Cable (0000900287)** – no provider update; replaced specific lines and address points in blocks less than two square miles with census geography 2010 in accordance with original submission
- **NextLink Wireless, Inc. (0014286934)** – no provider update; converted blocks to 2010 census geography
- **The Wired Road (0020153854)** – no provider update; converted blocks to 2010 census geography
- **Verizon Wireline (0013430244)** – provider submitted new update; census blocks updated in 2010 geography; Fiber and DSL were separated and included individually
- **XO Communications, LLC (0006275945)** – no provider update; converted blocks to 2010 census geography