

Data Submission Report

Broadband Service Provider Data as of June 30, 2012

Report date: October 1, 2012

Submitted to:

National Telecommunications and Information Administration
United States Department of Commerce

Submitted by:

Kansas Statewide Broadband Initiative
State of Kansas Department of Commerce



and

Kansas Data Access & Support Center (DASC)



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September 28, 2012

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

Dear Ms. Neville,

Please accept this semi-annual broadband service provider data submission from the State of Kansas Department of Commerce, the Designated Entity for the State Broadband Initiative. As with the 12/31/11 data set submission, we have contracted with our partnering organization, the State of Kansas Data Access and Support Center (DASC) located in Lawrence, KS to collect and integrate service provider data.

This submittal provides details and methodologies for Kansas broadband service as of June 30, 2012 for inclusion in the National Broadband map and in accordance with requirements set forth under terms of our SBI grant. The report provides an overview of processes used to verify the data set and describes how DASC collects and validates Kansas availability information for the submittal.

We continue to work to make improvements in our processes and, in coordination with our service provider community, make the map as accurate and useful as possible in support of our goal of maximizing engagement in the rapidly emerging digital economy.

During this six month reporting period, we have made refinements to our service provider list to ensure it is the most up to date and reflective of availability across the state. The level and quality of provider engagement improved from the previous submission. Moving forward, we will work to engage service providers not currently participating in the initiative and continue building relationships with the provider community, leading to a more comprehensive understanding of broadband service in Kansas.

Respectfully,

Stanley Adams
Program Director, Kansas Statewide Broadband Initiative

Cc:

Pat George, Secretary of Commerce
Steve Kelly, Deputy Secretary of Commerce – Business & Community Development
Anthony Schlinsog, Chief Information Technology Officer, Executive Branch
Mark Sievers, Kansas Corporation Commission
Jo Budler, State of Kansas Librarian
Stan Ahlerich, Executive Director, Governor's Economic Development Council, KS Dept. of Commerce
Representative Carl Holmes, Chairman Kansas House of Representatives Energy and Utilities Committee
Senator Pat Apple, Chairman Kansas Senate Utilities Committee

Provider Outreach & Communication Activities

Over the past several months, the Kansas Statewide Broadband Initiative (KSBI) team has worked to establish relationships with the Kansas broadband provider industry to increase provider participation and improve the overall quality of the statewide broadband geodatabase. Initially, much of the provider outreach was conducted via phone and email, and centered on the April, 2012 data submission. Upon completing the data submission, the KSBI team focused on activities to further engage broadband providers and increase participation in the statewide initiative.

In May, the KSBI team hosted an industry roundtable planning meeting to provide background on state and national broadband mapping initiatives, meet members of the provider community, and receive feedback from providers regarding these initiatives. The objective of this meeting was to develop a model for future roundtables and workgroups to improve data quality, increase participation rates, and address provider concerns regarding uses of the data. The next roundtable is scheduled for November, in association with the Governor's Rural Opportunities Conference.

In July, two data submission webinars offered an opportunity for providers to learn more about the data-collection effort to support the October NTIA data submission. The webinar included an overview of state and national broadband mapping initiatives, commonly-used terms and definitions, a description of census block and road segment geography, and a demonstration of the new Provider Feedback & Verification Portal (provider portal). Invitations to both webinar events were sent to all known and potential providers. A total of 18 providers participated in the webinars, and the KSBI team plans to make this part of the standard request for participation workflow.

The request for participation in the October, 2012 data submission was distributed via email to all known and potential providers during the first week of July. The email included the provider name, FRN, NDA status, data submission deadline, information about the new provider portal, and an invitation to the data submission webinars. A unique hyperlink was embedded into the email that allowed each provider to access the portal and view their data. A technical overview of the provider portal is included later in this report. All providers that did not meet the initial data submission deadline were contacted repeatedly via phone and email in order to ensure maximum participation. This escalation was handled both directly through the DASC office, and through the KDoC with support from the State Independent Telephone Association (SITA) and the Kansas Telecommunications Industry Association (KTIA).

The KSBI team has taken a hands-on approach towards building long-term relationships with the provider industry. Conference calls, webinars, roundtables, and web meetings have allowed the team to better understand the landscape of broadband service in Kansas. As a result, the provider industry has become increasingly receptive to extending the working relationship with the KSBI team, and particularly the DASC office.

October, 2012 Data Collection Summary

- As of this submission, there are 105 actual Kansas broadband service providers
- As of this submission, 110 potential Kansas broadband service providers have been identified (105 actual + 5 potential = 110 total providers)
- 92 of the 105 actual service providers submitted data or confirmed no changes to their previous submission during this reporting period
 - 53 database updates processed for existing service providers
 - 39 confirmed 'no changes' for existing service providers
- 4 new service providers were added to the statewide geodatabase
- 75 agreements reached for data sharing
- 20 providers participated in interactive data review sessions (web meetings)
- 18 providers participated in data submission webinars
- 31 providers responded to the October, 2012 Data Submission Survey component of the *provider portal*
- 2 service providers declined participation

October, 2012 Data Submission Survey respondents via the *provider portal* (31):

Benkelman Telephone Company, Carson Communications, Columbus Telephone Company, DIECA Communications, Inc., Elkhart Telephone Company, Inc., GBT Communications, Gorham Telephone Company, Inc., H&B Cable Service, Inc., Haug Communications, Inc., Home Communications, Inc., Ideatek Systems Inc., Knology of Kansas, Inc., Mediacom, Mercury Wireless, LLC, North Central Kansas Community Network, Peoples Telecommunications, LLC, Rainbow Telecommunications Association, Inc., Rebeltec Communications LLC, S&A Telephone Company, Inc., S&T Communications LLC, S&T Telephone Cooperative Association, SWKO, Inc., Southeast Nebraska Communications, Inc., St. Joe Wireless, Totah Communications, Inc., United Communications Association, Inc., United Wireless Communications, Inc., Valnet Holdings, LLC, Wheatland Electric Cooperative, Inc., Wilson Telephone Company, Inc., Windjammer Communications LLC.

Providers that participated in the Data Submission Webinars (18):

AT&T, CenturyLink, Diller Telephone, GoldenBelt Telephone, LaHarpe Telephone Co, Madison Telephone, NCKCN, Peoples Telecommunications, S&A Telephone Company, Inc., S&T Communications, S&T Telephone Cooperative Association, Tri County Telephone, Twin Valley Communications, Twin Valley Telephone, United Telephone Association, Wamego Telephone, Wheatland Electric Cooperative, Inc., Wilson Telephone Co.

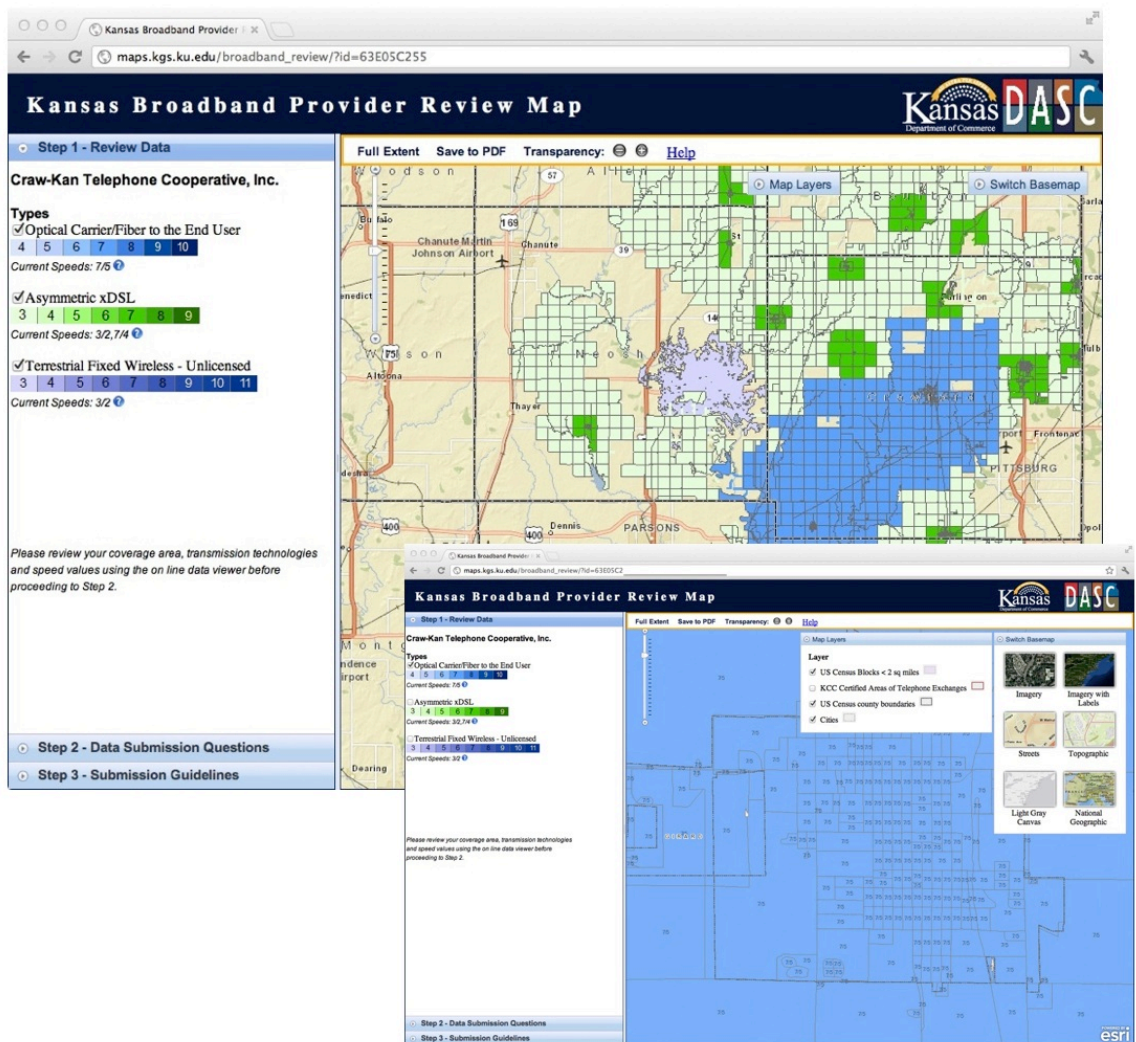
Providers that participated in data review sessions (web meetings) (20):

Blue Valley Tele-Communications, Inc., Bluestem Telephone Company, Craw-Kan Telephone Cooperative, Inc., Eagle Communications, Inc., H&B Cable Service, Inc., H&B Communications, Inc., Home Communications, Inc., Home Telephone Company, Inc., LR Communications, Inc., S&A Communications, Inc., S&A Telephone Company, Inc., S&T Communications LLC, S&T Telephone Cooperative Association, South Central Telephone Assn., Inc., South Central Wireless, Inc., Southern Kansas Telephone Company, Inc., Sunflower Telephone Co., Inc., Twin Valley Communications, Inc., Twin Valley Telephone, Inc., Wamego Telecommunications Company, Inc.

Provider Feedback & Verification Portal

The provider portal was developed to offer a convenient way for providers to review their data and provide feedback to DASC. The portal includes three primary components; an interactive mapping application, a provider survey form, and a web site for posting documents and announcements. The first version of the portal was launched on July 1, 2012 and has become an integral mechanism for communication with broadband providers.

1. The interactive mapping component allows providers to quickly view the data from their previous submission and determine if updates are needed. The map is rendered by transmission technology and speed. Each company received a unique URL that displays only their data, eliminating the need for usernames and passwords.



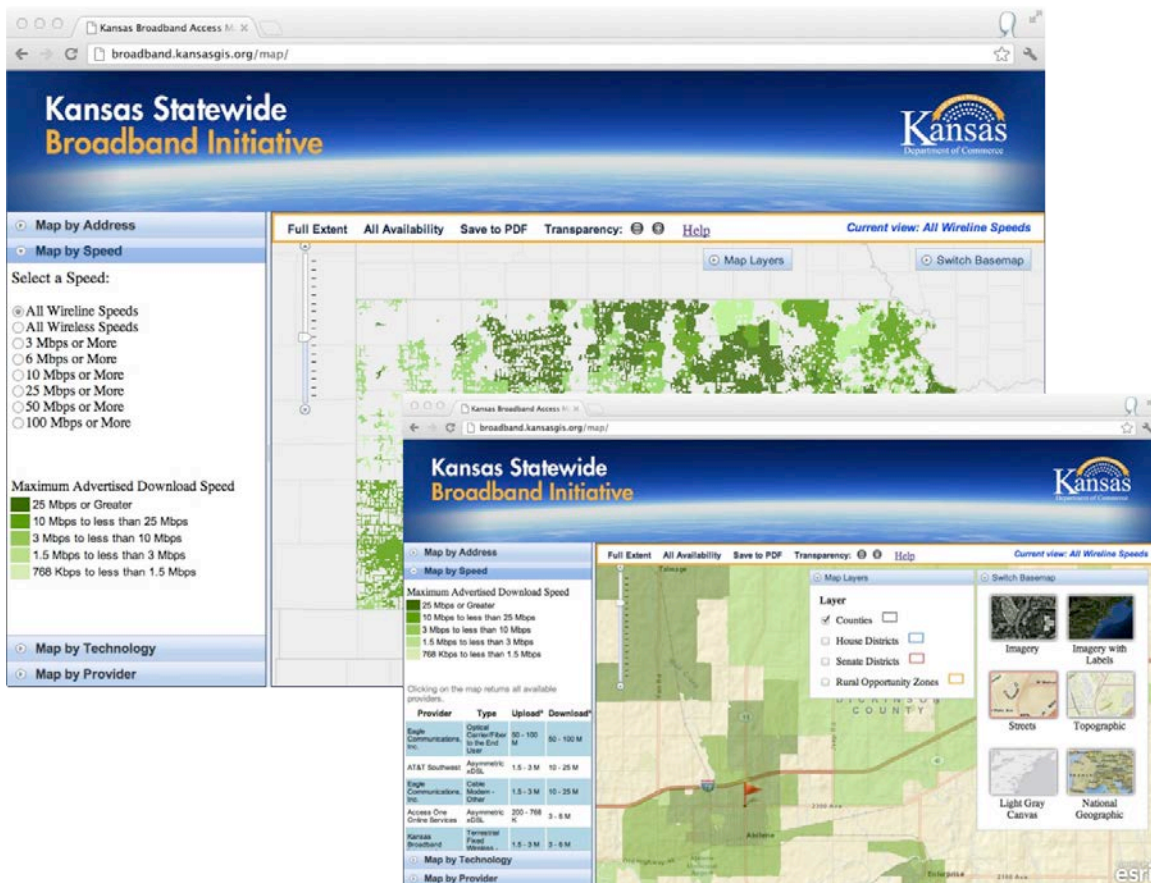
- Survey component - upon reviewing the data from the previous submission, each provider is asked to confirm or edit their Provider Name/FRN, contact information, and indicate whether they will be providing updates for the upcoming submission.

- Web site - the provider web site includes information and documents about state and national broadband mapping initiatives, including data submission timelines, geodatabase standards and mapping techniques, and links to data submission spreadsheets. This site will continue to grow in the future.

2012 Data Submission Cycle	Provider Submission Deadline	Data Current as of
April 1, 2012	February 1, 2012	December 31, 2011
October 1, 2012	August 10, 2012	June 30, 2012

Public Interactive Web-Mapping Application

In addition to the provider portal, a revised version of the public web-mapping application was released in August. The application utilizes the current public release of the Kansas broadband mapping geodatabase, and provides a series of map themes, including *map by address*, *map by speed*, *map by technology*, and *map by provider*. Additional functionality includes a map query tool, administrative boundary overlay widget, base map selector, and print-to-pdf. User feedback meetings are planned for later this fall and will help direct future application enhancements. Site usage is currently being tracked with Google Analytics.



Data Processing & Validation

Information was collected from Kansas broadband service providers in a variety of formats including GIS data files, database tables and spreadsheets, CAD files, and paper maps. As files were received, they were reviewed to determine if they contained the required spatial and/or attribute information, and if there was a need for further communication with the provider. In many cases, DASC staff made follow-up phone calls, sent emails, or held Adobe Connect sessions in order to ensure that the information given by the provider was accurately reflected in the database.

All data submissions to the DASC office were processed according to the following steps:

1. Initial data review to determine quality and fitness for processing. Follow-up with broadband provider if necessary.
2. Creation of provider-specific “staging” geodatabase
3. Process edits according to information and materials submitted by provider
4. Review by editing technician
5. Quality Assurance/Quality Control (QA/QC) review
6. Integration into statewide geodatabase model

The following describes the general steps taken to integrate information provided in the various submission formats.

GIS Data (Shapefile/Geodatabase)

Service area descriptions submitted in a GIS data file format are loaded into a provider-specific staging geodatabase where they are used to determine their intersection with census block and road segment geometry. If a census block is less than two square miles, it is added to the *CensusBlock* feature class. If a census block is larger than two square miles, the corresponding road segments are added to the *RoadSegment* feature class. All required attribute information is then calculated for each feature class.

Database Tables/Spreadsheets/Text-file (Census Block ID/TIGER-Line ID)

It is common for providers to supply information regarding their service availability in a tabular format including a list of Census Block ID and/or TIGER-Line ID numbers. In these cases, the tabular data is joined to the Census geography to select *CensusBlock* and/or *RoadSegment* features. If a census block is larger than two square miles, the corresponding road segments are added to the *RoadSegment* feature class. Attribute items are then calculated for each feature class in the staging geodatabase.

Database Tables/Spreadsheets/Text-file (Address List)

In cases where service providers submit a table of customer addresses, this information is geocoded (sometimes referred to as address matching) to determine a location for each address in the table. This process results in a point data layer that is used to determine the corresponding census block and road segment assignment. If a point falls within a block that is less than two square miles, the block is added to the *CensusBlock* feature class. If a point falls within a block that is larger than two square miles, it is assigned to the nearest road segment and that feature is added to the *RoadSegment* feature class. Attribute items are then calculated for each feature class in the staging geodatabase.

CAD Files/Paper Maps

Some providers submit their service area descriptions as paper map, PDF maps, or CAD drawings. In these cases, this information is interpreted to determine the intersection with census block and road segment geometry. Again, the two square mile threshold is observed for determining census block and road segment assignments, and the necessary attribute information is encoded into the database.

Wireless Service Area

Mobile wireless service providers typically supply a GIS data file (polygon feature class) describing their service area, or a spreadsheet/text-file containing tower locations and characteristics. Service area polygon features are loaded into the provider-specific staging geodatabase and processed into the NTIA geodatabase model. Fixed wireless service providers typically supply tower locations and characteristics in a standardized spreadsheet template. This information is used to calculate signal propagation models.

Middle Mile/Last Mile Infrastructure

A limited number of middle mile/last mile points were provided during this data submission cycle. This information, however, was provided in either Shapefile or text-file format, containing the necessary location and attribute information.

Community Anchor Institutions (CAI)

The CAI data was updated and enhanced through the integration of authoritative datasets from the Kansas Adjutant General's Department and the State Library of Kansas. The Adjutant General's Department is the recognized steward of the state's structures geodatabase and routinely maintains and updates features such as schools (K-12 & Higher Education), Law Enforcement Buildings, Fire Stations, and EMS Stations. The State Library works with its constituents to build and maintain an exhaustive database of public library locations. Together these information resources were used to verify and update the existing CAI data layer. In addition to adding new records and refining point locations, the database table was also cleaned up and standardized to improve usability. Updates from these authoritative datasets will be incorporated into the CAI layer with each broadband data submission.

Data Review

In order to ensure that information supplied by the providers was correctly interpreted and incorporated into the database, DASC employed a variety of quality assurance techniques.

1. Comparison of revised/updated boundary delineation or provider information with previous submissions (change detection) – all service area updates are compared to the previous submission to determine if the change in geographic extent or attribute information is reasonable. While major revisions to a service area or technology may be accurate, it is also reasonable to follow-up with the provider to ensure that the submission materials have been provided and/or interpreted correctly.
2. Conference calls – As necessary, follow-up phone calls were made to providers to resolve issues related to submission materials. While this process was time consuming, it was also viewed as part of the relationship building process. It helped to ensure that database edits followed the intent of the provider. Additionally, the GIS technical staff had the opportunity to provide additional background on how the data is collected, aggregated, and used.
3. Interactive Web meetings – using Adobe Connect, interactive desktop GIS sessions were held with 20 providers to verify service area definitions, transmission technology, and required edits. This was the most effective communication tool used in the data collection and editing phase of the project. DASC will continue to encourage providers to participate in these sessions. It is very efficient, allows both parties to see the map and discuss necessary edits, answer questions in real time, and most importantly, build a relationship that leads to continued participation.

Provider Web Site Research

Information including maximum advertised download and upload speed, transmission technology, and service area was harvested from provider web sites and stored in a database. This information was used as a cross-reference for the broadband mapping geodatabase. Of the provider web sites researched, 64% contained speed information, 35% contained transmission technology, and 89% contained a location reference. Some provider web sites published a map of their service areas, while others simply listed the cities or regions that they served. The information posted to the provider web sites serves as a valuable resource for validating the broadband mapping geodatabase. DASC plans to refresh this information prior to each submission cycle.

Future Direction

Continued improvement of the statewide geodatabase is a top priority. Data quality can be directly linked to the ability of the KSBI team to engage the broadband provider industry and build long-lasting relationships. The following provider outreach activities are therefore planned for the coming months:

- Provider feedback package - upon acceptance of the October, 2012 data submission by the NTIA, the revised data will be made accessible via the interactive mapping component of the provider portal. This provides a great mechanism for maintaining communication between data submission cycles, offering an easy way for providers to review the information submitted on their behalf.
- MATSS Conference - DASC staff will present a booth display at the upcoming Mid-America Telecom Showcase & Seminar to be held October 22-24 in Kansas City, MO. Broadband service providers and industry suppliers attend this conference. The booth display will feature information on the KSBI, provide information on data collection and mapping efforts, and demonstrate the provider portal and public web mapping applications.
- Industry Roundtable Meeting/ROC Conference - the next industry roundtable meeting will be held in association with Governor's Rural Opportunities Conference in November. Two breakout sessions dedicated to the KSBI, and an interactive booth display, are also on the agenda.
- Data Submission Webinars - In preparation for the April, 2013 data submission, the KSBI team will hold webinars to review data requirements, discuss technical issues, and answer questions regarding the data-collection process.

The following enhancements are planned for the public web-mapping application:

- Integration of demographic map views
- Development of a light version of the public web mapping application
- Integration of broadband maps into ArcGIS Online
- User feedback meetings, planned for later this fall, will also help direct future application enhancements

CAI Data Enhancements - the CAI data layer will be maintained and improved through the integration of authoritative datasets from state agencies. DASC also plans to work with the State Librarian, Kansas State Hospital Association, KanEd, and other groups to acquire additional contextual information regarding broadband service for CAI locations.

Data Validation:

- Research utility of third party datasets, particularly those used in the National Broadband Map Data Quality Assessment, as a validation mechanism
- Maintain provider web site harvesting activity
- Comparison of consumer speed test results against current broadband geodatabase

The KSBI team has established solid working relationships with many providers across the state and will continue to develop these relationships through upcoming outreach activities.

Appendix A – Service Provider Status Table

Provider	DBA Name	FRN	NDA	State Database Status	Reporting Period Status
TC Wireless, Inc.	Advantage Plus	0018587469	Yes	Data Included in KS State Submission	No updates this reporting period
Allegiance Communications, LLC	Allegiance CATV	0010267862	No	Data Included in KS State Submission	No response to recent data request
AT&T Mobility LLC	AT&T Mobility LLC	0004979233	Yes	Data Included in KS State Submission	Updates included this reporting period
AT&T Communications of Texas, Inc	AT&T Southwest	0016657918	Yes	Data Included in KS State Submission	Updates included this reporting period
Atwood Cable Systems, Inc.	Atwood Cable Systems, Inc.	0003789765	No	Data Included in KS State Submission	No response to recent data request
Blue Valley Tele-Communications, Inc.	Blue Valley Tele-Communications, Inc.	0002331262	Yes	Data Included in KS State Submission	Updates included this reporting period
Haug Communications, Inc.	BroadBand Wireless Internet	0005600242	Yes	Data Included in KS State Submission	No updates this reporting period
Benson Tel Service Inc.	Btsskynet.net	0018562207	No	Data Included in KS State Submission	No response to recent data request
Benkelman Telephone Company	BWTelecom	0002387264	Yes	Data Included in KS State Submission	No updates this reporting period
Cable ONE	Cable ONE	0003474327	Yes	Data Included in KS State Submission	No response to recent data request
CenturyTel, Inc.	CenturyLink	0018626853	Yes	Data Included in KS State Submission	Updates included this reporting period
City of Chanute	City of Chanute	0002295400	Yes	Data Included in KS State Submission	No updates this reporting period
City of Coffeyville	City of Coffeyville	0018535427	No	Data Included in KS State Submission	No response to recent data request
Clearwire Corporation	Clear	0017775628	No	Data Included in KS State Submission	Updates included this reporting period
	Cogent Communications, Inc.	0019066034	No	Non-Responsive	No response to recent data request
Columbus Telephone Company	Columbus Telephone Company	0003734167	Yes	Data Included in KS State Submission	No updates this reporting period
Comcast Cable Communications, LLC.	Comcast	0004441663	Yes	Data Included in KS State Submission	No updates this reporting period
Conterra Telecom Services	Conterra Ultra	0009750324	No	Data Included in KS State Submission	No updates this reporting period
DIECA Communications, Inc.	Covad Communications Company	0003753753	Yes	Data Included in KS State Submission	Updates included this reporting period
CoxCom Inc.	Cox Communications	0001524461	Yes	Data Included in KS State Submission	No updates this reporting period
Craw-Kan Telephone Cooperative, Inc.	Craw-Kan Telephone Cooperative, Inc.	0002334225	Yes	Data Included in KS State Submission	Updates included this reporting period
Leap Wireless International, Inc.	Cricket Communications, Inc.	0002963528	Yes	Data Included in KS State Submission	Updates included this reporting period
Cunningham Communications, Inc.	Cunningham Telephone & Cable	0004985818	Yes	Data Included in KS State Submission	No updates this reporting period
Diller Telephone Company	Diller Telephone Company	0002393379	Yes	Data Included in KS State Submission	Updates included this reporting period
DISH Network Corporation	DISH Network Corporation	0010500338	No	Data Included in KS State Submission	No updates this reporting period
Eagle Communications, Inc.	Eagle Communications, Inc.	0013339973	Yes	Data Included in KS State Submission	Updates included this reporting period

Elkhart Telephone Company, Inc.	Epic Touch Company, Inc.	0002330843	Yes	Data Included in KS State Submission	Updates included this reporting period
FairPoint Missouri, Inc.	FairPoint Communications	0014710388	Yes	Data Included in KS State Submission	No updates this reporting period
Rural Link	FairPoint Communications	0014710388	Yes	Data Included in KS State Submission	No updates this reporting period
Sunflower Telephone Co., Inc.	FairPoint Communications	0003723236	Yes	Data Included in KS State Submission	No updates this reporting period
Bluestem Telephone Company	FairPoint Communications	0003723491	Yes	Data Included in KS State Submission	Updates included this reporting period
GBT Communications	GBT Communications	0012141842	No	Data Included in KS State Submission	Updates included this reporting period
Giant Communications, Inc.	Giant Communications	0008830846	No	Data Included in KS State Submission	No response to recent data request
Gorham Telephone Company, Inc.	Gorham Telephone Company	0004322889	Yes	Data Included in KS State Submission	Updates included this reporting period
H&B Cable Service, Inc.	H&B Communications, Inc.	0002331601	Yes	Data Included in KS State Submission	Updates included this reporting period
H&B Cable Service, Inc.	H&B Communications, Inc.	0003764545	Yes	Data Included in KS State Submission	Updates included this reporting period
Haviland Telephone Company, Inc.	Haviland Telephone Company, Inc.	0005081567	Yes	Data Included in KS State Submission	No updates this reporting period
Home Communications, Inc.	Home Telephone Company, Inc.	0010627446	Yes	Data Included in KS State Submission	Updates included this reporting period
Hughes Network Systems, LLC	Hughes Network Systems, LLC	0017434911	No	Data Included in KS State Submission	No updates this reporting period
JBN Telephone Company, Inc.	JBN Telephone Company, Inc.	0004340410	No	Data Included in KS State Submission	No response to recent data request
KanOkla Communications, Inc.	KanOkla Networks	0002323731	Yes	Data Included in KS State Submission	No updates this reporting period
The KanOkla Telephone Association, Inc.	KanOkla Networks	0004362364	Yes	Data Included in KS State Submission	No updates this reporting period
Kansas Broadband Internet, Inc.	Kansas Broadband Internet, Inc.	0016893455	No	Data Included in KS State Submission	No response to recent data request
Kansas Data Internet, Inc.	KASINET	9999	No	Data Included in KS State Submission	No updates this reporting period
Knology of Kansas, Inc.	Knology of Kansas, Inc.	0020113197	No	Data Included in KS State Submission	No updates this reporting period
LaHarpe Telephone Company, Inc.	LaHarpe Telephone Company, Inc.	0004322053	No	Data Included in KS State Submission	Updates included this reporting period
Lawrence Freenet	Lawrence Freenet	0014524193	No	Data Included in KS State Submission	Will Not Provide Data
Madison Telephone LLC	Madison Telephone LLC	0004322079	No	Data Included in KS State Submission	Updates included this reporting period
Mediacom	MCC Missouri LLC	0005184247	Yes	Data Included in KS State Submission	No updates this reporting period
Mercury Wireless, LLC	Mercury Wireless, LLC	0018603027	Yes	Data Included in KS State Submission	Updates included this reporting period
St. Joe Wireless	Midwest Mobile Radio Service, Inc.	0002545929	Yes	Data Included in KS State Submission	Updates included this reporting period
	MOBIL1.NET	9999	No	Will Not Provide Data	Will Not Provide Data
Moundridge Telephone Company, Inc.	Moundridge Telephone Company, Inc.	0002339976	Yes	Data Included in KS State Submission	Updates included this reporting period
LR Communications, Inc.	Mutual Telecommunications	0014024640	Yes	Data Included in KS State Submission	Updates included this reporting period

Nautilus Net	Nautilus Net	9999	No	Data Included in KS State Submission	No updates this reporting period
North Central Kansas Community Network	NCKCN	9999	Yes	Data Included in KS State Submission	Updates included this reporting period
Nex-Tech, Inc.	Nex-Tech, Inc.	0017125808	Yes	Data Included in KS State Submission	Updates included this reporting period
	PAETEC Communications, Inc.	0003744869	No	Non-responsive	No response to recent data request
Peoples Telecommunications, LLC	Peoples Telecommunications, LLC	0004310694	Yes	Data Included in KS State Submission	No updates this reporting period
Pioneer Telephone Association, Inc.	Pioneer Communications	0002334795	Yes	Data Included in KS State Submission	Updates included this reporting period
Pixius Communications LLC	Pixius Communications	0019389949	No	Data Included in KS State Submission	Updates included this reporting period
Carson Communications	Rainbow Communications	0000013722	Yes	Data Included in KS State Submission	No updates this reporting period
Rainbow Telecommunications Association, Inc.	Rainbow Communications	0002333649	Yes	Data Included in KS State Submission	No updates this reporting period
Rebeltec Communications LLC	Rebeltec Communications LLC	0016084675	Yes	Data Included in KS State Submission	No updates this reporting period
Rural Telephone Service Company, Inc.	Rural Telephone	0002336105	Yes	Data Included in KS State Submission	Updates included this reporting period
Nex-Tech, Inc.	Rural Telephone	0006192041	Yes	Data Included in KS State Submission	Updates included this reporting period
S&A Telephone Company, Inc.	S&A Telephone Company, Inc.	0002329662	Yes	Data Included in KS State Submission	Updates included this reporting period
S&T Communications LLC	S&T Communications	0002285260	Yes	Data Included in KS State Submission	Updates included this reporting period
S&T Communications LLC	S&T Communications	0008460081	Yes	Data Included in KS State Submission	Updates included this reporting period
South Central Wireless, Inc.	SCTelcom	0003771169	Yes	Data Included in KS State Submission	Updates included this reporting period
South Central Telephone Assn., Inc.	SCTelcom	0003771235	Yes	Data Included in KS State Submission	Updates included this reporting period
Skycasters	Skycasters	0018756155	Yes	Data Included in KS State Submission	Updates included this reporting period
Southeast Nebraska Communications, Inc.	Southeast Nebraska Telephone Company	0006764948	Yes	Data Included in KS State Submission	No updates this reporting period
Southern Kansas Telephone Company, Inc.	Southern Kansas Telephone Company, Inc.	0002333888	Yes	Data Included in KS State Submission	No updates this reporting period
SWKO, Inc.	SouthWest Kansas Online	0020608121	No	Data Included in KS State Submission	No updates this reporting period
KeyOn Communications, Inc.	SpeedNet	0015082621	No	Data Included in KS State Submission	No response to recent data request
Sprint Nextel Corporation	Sprint	0003774593	Yes	Data Included in KS State Submission	Updates included this reporting period
Spacenet, Inc.	Starband Communications, Inc.	0005087457	No	Data Included in KS State Submission	Updates included this reporting period
Stelera Wireless, LLC	Stelera Broadband	0015021066	No	Data Included in KS State Submission	No updates this reporting period
Stouffer Communications, Inc.	Stouffer Communications	0006716666	No	Data Included in KS State Submission	No response to recent data request
NPG Cable, LLC	Suddenlink Communications	0200399200	Yes	Data Included in KS State Submission	Updates included this reporting period
Friendship Cable of Arkansas, Inc.	Suddenlink Communications	0004999025	Yes	Data Included in KS State Submission	Updates included this reporting period

W.K. Communications, Inc.	Suddenlink Communications	0004999736	Yes	Data Included in KS State Submission	Updates included this reporting period
Sumner Cable TV, Inc.	Sumner Communications	0007631187	Yes	Data Included in KS State Submission	Updates included this reporting period
	SureWest Kansas Operations, LLC	0143027194	Yes	Will Provide Data	Data expected next reporting period
SwiftLink Communications	SwiftLink Communications	0018595439	No	Data Included in KS State Submission	No response to recent data request
The Tri-County Telephone Association	The Tri-County Telephone Association	0001630433	Yes	Data Included in KS State Submission	No updates this reporting period
Time Warner Cable LLC	Time Warner Cable	0013430244	Yes	Data Included in KS State Submission	No updates this reporting period
T-Mobile USA, Inc.	T-Mobile	0006945950	Yes	Data Included in KS State Submission	Updates included this reporting period
Totah Communications, Inc.	Totah Communications, Inc.	0005010996	Yes	Data Included in KS State Submission	Updates included this reporting period
Mokan Dial, Inc.	Townes Telecommunications Services Company	0004928750	Yes	Data Included in KS State Submission	No updates this reporting period
Twin Valley Communications, Inc.	Twin Valley Communications, Inc.	0010059640	Yes	Data Included in KS State Submission	Updates included this reporting period
Twin Valley Telephone, Inc.	Twin Valley Telephone, Inc.	0002334407	Yes	Data Included in KS State Submission	No updates this reporting period
Twinmounds.com	Twinmounds.com	0018333211	No	Data Included in KS State Submission	No updates this reporting period
United States Cellular Corporation	U.S. Cellular	0004372322	Yes	Data Included in KS State Submission	No updates this reporting period
United Communications Association, Inc.	United Communications Association	0002327153	Yes	Data Included in KS State Submission	Updates included this reporting period
United Wireless Communications, Inc.	United Wireless	0012662698	Yes	Data Included in KS State Submission	Updates included this reporting period
Valnet	Valnet	0018198572	Yes	Data Included in KS State Submission	Updates included this reporting period
Cellco Partnership and its Affiliated Entities	Verizon Wireless	0003290673	Yes	Data Included in KS State Submission	Updates included this reporting period
ViaSat, Inc.	ViaSat Communications, Inc.	0007843766	No	Data Included in KS State Submission	Updates included this reporting period
Wamego Telecommunications Company, Inc.	Wamego Telecommunications Company, Inc.	0003746088	Yes	Data Included in KS State Submission	Updates included this reporting period
Wave Wireless LLC	Wave Wireless LLC	0018057257	No	Data Included in KS State Submission	No updates this reporting period
Wheat State Telephone, Inc.	Wheat State Telephone, Inc.	0002333672	No	Data Included in KS State Submission	No updates this reporting period
Wheatland Broadband Services	Wheatland Broadband	0006121354	Yes	Data Included in KS State Submission	Updates included this reporting period
Ideatek Systems Inc.	Wildflower Internet	0016098857	No	Data Included in KS State Submission	Updates included this reporting period
Wilson Telephone Company, Inc.	Wilson Telephone Company, Inc.	0003722444	Yes	Data Included in KS State Submission	No updates this reporting period
Windjammer Communications LLC	Windjammer Cable	0017915182	No	Data Included in KS State Submission	No updates this reporting period
WISP-Router, Inc	WISP-Router, Inc	0016099509	Yes	Data Included in KS State Submission	Updates included this reporting period
	Zayo Group, LLC	0019133826	No	Non-Responsive	No response to recent data request
Zito Midwest, LLC	Zito Media	0020111225	No	Data Included in KS State Submission	No response to recent data request