

New York Methodology Paper for Round 9 (December 2013) Data Submission to the NTIA under the SBI

April 1, 2014

Executive Summary

The Broadband Mapping Team at the New York State Office of Information Technology Services is pleased to submit our Round 9 (December 2013) data for the State Broadband Initiative (SBI). As previously mentioned, one of our goals for the last few rounds of data collection was to maintain a high level of participation from our current contributing providers and to convince them to help us make their availability and speed data as accurate as possible before the end of the federal SBI program. It is New York's intention to continue with broadband mapping and the analysis of unserved and underserved areas after the federally funded program ends. So, not only do we want to deliver the best data possible to the NTIA but we want to start the post-grant period utilizing the best data available.

Accordingly, we took steps during this reporting period to not only keep participation levels high, but we have also added facilities-based broadband providers. Some of the steps we took to achieve these goals were:

- We now offer free propagation modeling services to all known fixed wireless providers operating within NYS. That resulted in four new providers participating for the first time this round. We are hoping for more new fixed wireless participants next round.
- We continued to participate in public meetings where the challenges of serving sparsely developed areas are discussed with elected officials and residents. Area providers are always invited to participate in these meetings and they see firsthand how the SBI data is used by NYS to facilitate these discussions. Our relationships with those providers are strengthened as a result.
- We again offered to help ILECs develop the GIS data needed to submit "Study Area" boundaries to the FCC (due 3/17/2014). This further demonstrates our desire to partner with providers and provide value back to NY's SBI participants.
- The Broadband Program Office continued work to facilitate new state grant funding opportunities for infrastructure expansion projects within unserved and underserved areas. All broadband providers receiving state grant funds are required to participate in the SBI program. These grants have helped to strengthen existing relationships with providers and we picked up one new FTTH provider as a direct result of a grant award.
- In January, the Broadband Program Office also convened a Broadband Availability Taskforce. A majority of the taskforce members are providers. SBI data and maps were featured at the first meeting. Providers again got to see how NYS is utilizing their data, reinforcing the importance of their continued participation.

Another Round 9 goal was to improve the CAI broadband attributes associated with Schools and Libraries and assign federal IDs for as many as possible. A significant effort was dedicated to this over the last 6 months. We are pleased to report that 100% of all NCES Public and Private Schools and IMLS Libraries are included in this delivery; for the entire dataset, 95% of Public Schools, 73% of Private Schools and 94% of Libraries now have federal IDs. The balance of these datasets include entities identified by New York State that have opened since the reporting date for NCES or IMLS, or that have public education and resource benefits. At the beginning of Round 9, the University at Albany's Center for Technology in Government, our partner in CAI data collection, was directed to focus all their efforts on gathering broadband service levels for schools and libraries. That will continue to be their focus for Round 10.

The remainder of this paper provides a summary of our data collection results and describes our methodology for performing data verification.

Provider Participation Summary Tables for Round 9:

0	Potential Providers identified
7	Actual Providers identified *
92	Total Participating Providers with data in the submission
68	Wireline Providers
25	Wireless Providers (2 are both Wireless & Wireline)
1	Provider is middle-mile only
46	Providers submitted Middle Mile Data

* COMP DRIECT USA (Fixed Wireless), EagleZip.com (Fixed Wireless), LIGHTLINK (Fixed Wireless), Metro PCS (Mobile Wireless), Optical Communications Group (Business Fiber), Rainbow Broadband, Inc. (Business Fiber), WNYNet, Inc. (Fixed Wireless)

Technology Type	Wireline Census Block Provider Count	Wireline Service Availability by Census Block	Wireline Street Segment Provider Count	Wireline Service Availability by Street Segment	Wireless Provider Count	Wireless Services by Shapefile	Middle Mile Provider Count	Middle Mile Points
Asymetric xDSL	38	294,615	34	25,188	0	0	30	1,633
Symetric xDSL	2	53,995	1	52	0	0	0	0
Other Copper Wireline	2	86,175	2	251	0	0	0	0
Cable Modem - DOCSIS 3.0	7	279,050	6	29,362	0	0	3	10
Cable Modem - Other	9	3,717	8	1,167	0	0	2	1
Optical Carrier/Fiber to the End User	27	133,719	20	3,423	0	0	7	849
Satellite	0	0	0	0	4	5	0	0
Terrestrial Fixed Wireless - Unlicensed	0	0	0	0	16	26	1	12
Terrestrial Fixed Wireless - Licensed	0	0	0	0	0	0	0	0
Terrestrial Mobile Wireless	0	0	0	0	5	25	2	15
Other (middle-mile only)	0	0	0	0	0	0	1	2

Verification List:

1. Automated verification
 - a. Domain and topology rules in delivery geodatabase
 - b. Submission scripts
 - c. Feature dataset cross checks
2. Provider website research
3. NYS Address Points
4. ILEC DSLAM Network Mapping
5. WISPA Propagation Modeling Contract
6. Virtual Field Inspections (using Google Streetview)
7. Crowd-sourced data
 - a. NYS Speed Test data points
 - b. FCC Speed Test records

- c. NYS Broadband Map feedback
- 8. Use of government data sources
 - a. NCES and NYSED Schools Data
 - b. NYS DMV data
 - c. NYS Lottery terminal data
 - d. NYS Streets and Address ranges
 - e. NYS Orthoimagery
- 9. Commercial data sources
 - a. TomTom ILEC, CLEC and Rate Center Exchange Boundary data
 - b. NAVTEQ address points
 - c. Pictometry oblique aerial imagery/Google's Street View
- 10. Select Community Anchor Institution (CAI) locations
- 11. Provider verification maps
- 12. Clip wireless data to NTIA recommended NYS Boundary and eliminated "cutouts"
- 13. Removal of 'uninhabited areas'
- 14. Provider Reported Speed Information

Explanation of Verification Activities:

1. **Automated verification** was accomplished via the following methods:
 - a. Domain and topology rules in delivery geodatabase automatically validate features and validate topology
 - b. Submission Scripts: Repeatedly running the NTIA supplied Python script, the Massachusetts modified Python submission script and frequency statistics script, as well as a New York modified version of the NTIA submission script combining elements of the NTIA and Massachusetts scripts
 - c. Feature dataset cross-checks: ESRI 'Frequency' tool used on Provider Name, DBA Name, FRN across feature datasets with cross comparisons to ensure consistency across all of these datasets
2. **Provider Website Research**: The team continues to use the providers' websites to verify provider data submitted for the SBI mapping program. Data most frequently checked are maximum advertised speeds and whether the service offering is business or residential. Provider service lookup tools are also used to verify new data we receive from providers. This round, we were able to verify and correct submissions from Comcast and Verizon New York through the use of these online service lookup tools.
3. **NYS Address Points**: The NYS Broadband Mapping Team has continued utilizing the data received from our SBI funded Address File project to enhance our verification activities. Our geocoding capabilities continue to be significantly improved resulting in more address point hits (rather than interpolation from street address ranges) which translate to greater accuracy in locating served customer addresses supplied by broadband providers. These improved geocoding capabilities also help to increase the accuracy of our CAI locations.
4. **ILEC DSLAM Network Mapping**: The NYS Broadband Mapping Team again assisted broadband providers by creating the ESRI shapefiles needed to comply with the FCC Study Area Boundary updates to address significant overlaps. By assisting these providers meet the FCC mandated requirement, we have generated greater support

in the telecommunications community for the State Broadband Initiative. This support was evidenced by better communications and provision of updated information for the program during the last data collection cycle.

5. **WISPA Propagation Modeling Contract:**

After several rounds of trying to lure WISPs into participating in the NTIA broadband mapping initiative with random phone calls and slickly worded e-mails, we decided a new tact needed to be taken. From Round 6 to Round 8, only two new WISPs took us up on our offer, and one of those was an attendee of the much-celebrated NYS WISP Summit in June 2013. Since many WISPs are small businesses short on time and resources, manufacturing these maps for a big government entity was not their top priority, let alone viewed as beneficial. . Additionally, though most of our existing WISP service territory maps were shape files made from propagation models, some were still crude drawings that resembled jelly beans. Thus it was time for a reboot. Enter NYSTEC and Brian Webster. While partnering with NYSTEC to collect and aggregate fiber optic network data, we also requested that they secure Webster in helping them to conduct fixed wireless provider outreach. The bait and hook would be that existing and new WISPs to the program would be able to have Mr. Webster generate a FREE propagation map of their service territory so long as they are included on our web map. Our thoughts were that Brian Webster would provide the gravitas to attract those WISPs that were on the fence or too harried to join our program. After all, he is a WISP insider- an outspoken member of WISPA- who has attended many WISP- related functions, and has advocated for their causes. A Cooperstown NY resident, Mr. Webster is also well-versed in WISP propagation mapping since he is also employed by the state of Illinois to do the WISP mapping for their NTIA broadband program. Webster has the knowhow, the equipment, and the connections. So, even if nobody else were to join, at least some of the homespun service territory maps of our existing providers had the potential of being refined...

With Round 9 outreach now in the books, it is safe to say some major improvements were made. We attracted 4 new WISPs to join the program and be on our map. They are: ASA Networks, Barrier Communications, Fire Island Wireless, and Transwave. In addition, a few of our exiting providers' coverage maps got a much-needed refresh. They are: CNY Wireless, Webjogger, and Xchange Telecom. Hopefully, with this new outreach plan established for Round 10, the WISPs will continue to flow in to become participating providers.

6. **Virtual Field Inspections (using Google Street View):** In June of 2012, two members of the Broadband Mapping Team were trained by members of our Public Utilities Commission staff on how to identify cable and fiber lines amongst the telephone and power lines on utility poles. This round we utilized this method, identifying coverage or lack of coverage through Google Street View inspections, to verify and correct a portion of the submission data from Cablevision/Optimum.

7. **Crowd-sourced data**

a. **NYS Speed Test data points** and attributes were used to verify provider reported availability. The NYS speed test website includes a data collection form which requests:

- i. Street address at which the test was taken
- ii. Service provider
- iii. Service technology

After satellite provider records were removed, an additional 846 records were successfully geocoded for a total of 8,412 NYS Speed Tests used for verification. Four levels of verification were established for points that fell within areas of reported service availability. They are:

Code 1 = Provider and technology matched

Code 2 = Provider matched and technology unknown

Code 3 = Provider matched but technology is mismatched

Code 5 = Provider and technology unknown but Broadband is available at the location

Each census block and street segment availability record involved with this verification activity was assigned one of the above codes. We use the verified census block and street segment records to help us determine when to remove data from our submission based on a critical mass of public feedback. If we have complaints of lack of service in a block/street, but we have received verification that someone took a speed test and claimed that provider/technology, we keep the data in the submission. Conversely, if we have a critical mass of public feedback indicating that there is a lack of service and we have no verification on the block/street, we remove the data from the submission. This method was especially helpful this round for revising the coverage area of large providers such as Verizon New York, Time Warner Cable, and Frontier Communications.

- b. **FCC speed test records** obtained in previous rounds continue to be utilized as a verification source for provider reported availability. In previous rounds we were able to successfully establish the provider for many records via a publically available IP Address search engine (the APNIC Whois Database). All records were then used to verify provider reported availability in the same manner as was used with the NYS speed test points. Since the FCC Speed Tests are no longer updated, the number of records have not changed since our previous delivery.

	Number	Percentage
Total Number of FCC Wireline Speed Test Points	75,504	N/A
Total Number Successfully Geo-coded	45,474	60%
Total Number Successfully IP Searched (out of Geo-coded results)	31,473	69%

- c. **NYS Broadband Map feedback:** Our state broadband map website is replete with opportunities for the general public to provide feedback. There are “unserved” reporting tools that differentiate between wireline and wireless. The public can see their location show up on our map in the form of a color-coded dot in the Public Feedback layer. There is also “*Is this Correct?*” functionality, where users can comment on the information describing each of the providers that our map identifies as serving their location. These comments and complaints arrive in a separate public notification mailbox. We have a team member in charge of monitoring this inbox and crafting a personal response to each. This round, the unserved reports submitted by the public continued to aid our technician in strategically removing suspect census blocks that a few large providers claimed to be in their service territory. Sometimes the public can provide helpful feedback pinpointing where a cable line ends. For example, they may note that it is .4 miles from their driveway. Other clues, such as aerial photography, local knowledge, census block population data, and Google Streetview corroborated the removal of blocks or street segments from a provider’s territory. In one special case, census blocks on Fire Island, NY continue to be removed from Verizon NY’s reported DSL coverage after researching online news reports and maps which clearly indicated the extent of permanent damage to Verizon’s landline service on the island due to Hurricane Sandy in October 2012.

8. Use of government data sources:

- a. **National Center for Education Statistics (NCES), New York State Education Department (NYSED), and Institute of Museum and Library Services (IMLS) datasets** were used to complete an analysis of broadband characteristics by school district and individual schools that led to the improvement of our CAI school and library records for this submission..

- b. The **NYS Department of Motor Vehicles** supplied three datasets in a previous round for our independent verification activities. The 2,080 unique Satellite Offices, Dealer Locations and Inspection Station Locations, all of which have broadband connections, continue to be used to verify provider reported availability.
- c. **The NYS Lottery** supplied a dataset in a previous round to add to our independent verification sources as well. Unlike the DMV data, only 276 Lottery locations could be confirmed as having access to a broadband connection. These records continue to be used for the verification of provider reported availability.
- d. **NYS Streets and Address Ranges** is a dataset we use to submit all of our provider data in census blocks > 2mi². They are also used as part of our geocoding. Street address ranges are also used in verification of provider data by testing addresses along segments. This round we were able to improve the data submission of Cablevision/Optimum by working with the provider to standardize their submission using the NYS Streets.
- e. **NYS Orthoimagery** was used as an aid during provider data processing this round.

9. **Commercial data sources:**

- a. **TomTom ILEC, CLEC and Rate Center Exchange Boundary data** were used to verify provider reported availability. During data processing, TomTom boundaries for each provider included in the dataset were overlaid onto the provider blocks and street segments footprint to ensure that the availability data sent to us by the providers fell reasonably within the respective boundary in the commercially available TomTom data. This data continues to be used to improve broadband availability and middle mile data for Frontier Communications. Their DSLAM data is CLLI-coded which are tied to specific exchanges. By using the exchange boundary dataset we are able to verify the locations of Frontier's DLSAM and Central Office locations. We then use these verified locations to create a precise network of streets served by Frontier, clip the streets to the exchange boundaries, and then aggregate this data to the block and/or street for submission.
- b. **NAVTEQ Address Points** were used as an aid during provider data processing; for geocoding address data; and also in the verification of provider data by testing addresses with online provider service look-up tools. The Navteq address points are also one of the source datasets used in the development of our Statewide Address Point file.
- c. **Pictometry oblique aerial imagery/Google's Street View:** Bing's Bird View (Pictometry Oblique Aerial Imagery) and Google's Street View function continue to provide us information to supplement and verify the the geocoding of address data received by broadband providers and for the improvement of CAI locations. In one special case this round, Google Street View helped correct the submission of one provider's data. Data flagged for removal was verified to be wilderness area with no telephone poles and the provider conceded to remove the erroneous data from the submission.

10. **Select CAI locations** were used to verify provider reported availability. Through our continuing relationship with the University at Albany's Center for Technology in Government (CTG), we acquired new broadband service updates for 174 CAI records during the Round 9 data gathering process. This brings CTG's total number of CAI records attributed with broadband information to 6,326, which were used to verify the provider reported data. Where the information matched, the highest verification code was assigned (1 = Provider and technology matched). We also selected Colleges, Hospitals, Federal Correctional Facilities, State Prisons and State Police Stations from our total collection of previously identified CAIs to be used as an additional verification data source. As previously stated, while we do not have complete service details for some of these facilities, we strongly believe all have broadband connections and therefore are a good supplemental verification data source. Outreach to Schools and Libraries will continue for reporting in Round 10.

11. **Provider verification maps:** For providers with significant changes from the previous round, we created review maps showing Round 9 availability aggregated to census blocks and street segments. The providers were given at least five days to respond and initiate any changes or corrections. Changes were made based on provider feedback and documented for future reference.
12. **Clipping all wireless data to the NTIA recommended NYS boundary file** to help ensure topological compliance for all wireless availability to be wholly within New York State.
13. **Removal of ‘uninhabited areas’:** These areas have been classified as land where development cannot occur, and where household wireline broadband will not be needed at any foreseeable time. If the center of a census block with no population or housing units falls within an uninhabitable area, the entire census block $\leq 2\text{mi}^2$ or all street segments within an identified block $> 2\text{mi}^2$ are classified as uninhabited. We remove uninhabited blocks and streets from the provider submission data. The classifications of uninhabited lands include, but are not limited to: water, wilderness lands, reforestation areas, as well as portions of state parks, federal nuclear sites, and recreation areas. This round, the use of the uninhabited areas was instrumental in refining the coverage area of one provider who claimed street segments in wilderness blocks of a State Park. We were able to identify the potential streets to remove from their submission, and then through the use of NYS orthoimagery and Google Street View, we were able to show the provider that the roads in questions did not have telephone poles on them, so they could not claim them to be served.
14. **Provider Reported Speed Information:** Many of the broadband providers we work with report multiple speed packages or the actual speeds offered within their service territory instead of speed tier ranges. Tables are created that contain Census Blocks and Street Segments with corresponding actual speeds and speed tier ranges by provider. These tables are used to show actual speed data on our NYS Broadband Map while maintaining the standard speed tier ranges for analytic purposes. These tables are also used during our verification process to ensure that when providers update some or all of their service territory, the most up to date data has been loaded into the NTIA delivery geodatabase.

New York CAI Outreach Methodology:

The original records within NY’s CAI dataset were built from existing State agency datasets and were subsequently augmented with the addition of SBI specified broadband related attributes. The Broadband Mapping Team partnered with the University at Albany’s Center for Technology in Government (CTG) to conduct outreach activities to obtain the broadband attributes.

The outreach consisted of three primary sets of activities:

- Outreach to IT professionals within state agencies and associations which were deemed most likely to be able to supply the broadband information. Among these entities are NYS Education Department, NYC Department of Education, Boards of Cooperative Education Services (BOCES), State University of New York Network (SUNYNet), NYS Local Government IT Directors Association (NYSLGITDA), Healthcare Association of NYS (HANYS) and the NY Library Association (NYLA). The first attempt to gather the data was through these organizations that may already possess or collect this type of data. Or, at the very least, point us to the other organizations or institution specific individuals who do. These organizations were also asked to publicize and support this data collection effort on their websites and in their newsletters. NYC DOE, BOCES and NYLA were able to provide

datasets from their own data collection efforts whose attributes mapped closely to the SBI file schema. These data were then transformed in our CAI dataset.

- Direct email solicitations to the CEOs of individual institutions. Our efforts were explained and these individuals were asked to assist by forwarding the request to the appropriate individual within their organization who could provide the data via an online data collection form that CTG built and hosted specifically for this task (<http://www.nyspeedtest.org/cai/>).
- Phone calls were made if the first two activities did not result in the collection of broadband data for an institution. Individuals were asked to provide the information over the phone or directed to our online data collection tool.

New York Methodology Outreach List:

As directed by the SBI Program Office in the March 26, 2012 delivery webinar, New York has included only providers who submitted data, or those who have been identified as true potential providers, in our Round 9 Data Package.xls.

The following “outreach list” is a summary of providers not included in Data Package.xls. This list represents the volume of companies that New York has researched, contacted and, in some cases, received data from in previous and current data cycles. The list includes:

- Potential broadband providers who are non-responsive
- Providers who do not serve New York
- Companies found to be “not a provider”
- Broadband equipment companies
- Providers who chose to opt-out of the program
- Resellers

Providers are identified by DBA name, provider type, and status. Comments are included for additional details.

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
2nd Century Communication	4	N/A	Will Not Provide Data	Purchased by Covad
3M Telecom Systems Division	4	N/A	Will Not Provide Data	Supplier of equipment to broadband providers
8x8, Inc.	4	N/A	Will Not Provide Data	Voice only
A.R.C. Networks, Inc	4	N/A	Will Not Provide Data	Cannot identify this company or what they provide
ABA Net, LLC	4	N/A	Will Not Provide Data	Voice services
ACC Business	2	Reseller	Will Not Provide Data	Emailed to indicate they cannot participate
ACC National Telecom	4	N/A	Will Not Provide Data	Voice/data infrastructure company
Access One, Inc.	2	Reseller	Will Not Provide Data	Business only reseller.
Access Point, Inc.	2	Reseller	Will Not Provide Data	Reseller
Accessline Communications Corporation	4	N/A	Will Not Provide Data	Voice only
ACCESSLINE COMMUNICATIONS CORPORATION	4	N/A	Will Not Provide Data	voice/telephony services
Ace Innovative Networks	2	Reseller	Will Not Provide Data	Reseller
Ace Innovative Networks, Inc.	2	Reseller	Will Not Provide Data	Reseller of Verizon.

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
Acella, Inc.	4	N/A	Will Not Provide Data	Voice only
ACN Communications	4	N/A	Will Not Provide Data	Reseller "requires a pre-existing connection"
ACN Digital Phone	4	N/A	Will Not Provide Data	Voice/phone only.
Adelphia Cable	1	Broadband	Will Not Provide Data	Does not provide services to NYS customers
Aeroblaze Broadband	4	N/A	Will Not Provide Data	Website listed will not open, no Google results.
Airband	4	N/A	Will Not Provide Data	Does not operate or have a market in New York
Airespring, Inc.	2	Reseller	Will Not Provide Data	"Airespring, Inc. is a reseller of underlying carriers Only."
Airxcess Broadband Services	1	Broadband	Non-Responsive	Sold company to NYSYS Wireless in 2013
Allegiance Telecom, Inc.	4	N/A	Non-Responsive	Purchased by Qwest; no answer through two phone lines
Alliance Group Services, Inc.	3	Other	Will Not Provide Data	Quote: Connects CLECs and ILECs to global network
AlreadyNet	3	Other	Non-Responsive	Not a broadband provider
American Fiber Network, Inc. (AFN)	3	Other	Will Not Provide Data	Company solely provides EVDO wireless cards
American Fiber Systems, Inc.	3	Other	Will Not Provide Data	Sold to Zayo
American Telephone Co. LLC	4	N/A	Will Not Provide Data	"Not a provider" on Form C.
American Tower	3	Other	Will Not Provide Data	Wireless tower company/infrastructure
American WiFi	4	Other	Non-Responsive	Not a broadband provider
Amextel	4	N/A	Will Not Provide Data	Voice services
AMp Networks LLC	4	N/A	Will Not Provide Data	Very unclear what they provide.
ANPI	3	Other	Will Not Provide Data	Infrastructure/backbone- not end user.
Apptix, Inc.	4	N/A	Will Not Provide Data	Voice only
Aptela, Inc.	4	N/A	Will Not Provide Data	Voice only
Atlantech Online, Inc.	2	Reseller	Will Not Provide Data	Reseller, few NY customers, not willing to participate.
Atlantic Telecommunications Services Corp.	4	N/A	Will Not Provide Data	Company provides cable services related to the NYS legislature (6/29/10 phone)
Backbone Communications Inc.	3	Other	Non-Responsive	Reseller to businesses only; concentrated in NYC.
Bandwidth.com	2	Reseller	Will Not Provide Data	CLEC. Buys services in bulk & resells portions to various customers
BCN Telecom Inc	4	N/A	Will Not Provide Data	Voice only
Bell Canada	4	N/A	Will Not Provide Data	Does not provide services to NYS customers
Bellsouth	4	N/A	Will Not Provide Data	Bellsouth serves 9 southern states; is related to AT&T.
Belmont Telecom	4	N/A	Will Not Provide Data	VoIP Wholesale, Long Distance, Roaming.
BestWeb Corp.	2	Reseller	Will Not Provide Data	Not interested in participating.
BetterWorld Telecom LLC	3	Other	Will Not Provide Data	Outside of NY state
Birch Communications, Inc.	3	Other	Will Not Provide Data	Outside of NY state
Blue Wireless	1	Broadband	Non-Responsive	Discovered from Tom Tom data summary. Left message with Rene Whalen. No Response.
Boingo Wireless	4	Other	Will Not Provide Data	WiFi Hot Spots only- not a broadband provider
Bouncelinx, LLC	4	Other	Non-Responsive	Not a broadband provider- FCC Registered Microwave, Paging and Maritime Coast ; Aviation Ground Towers in Easton, New York Read more: http://www.city-data.com/towers/other-Easton-New-York.html#ixzz2xe5XUCPy
BridgeCom International, Inc.	4	N/A	Will Not Provide Data	Purchased by Broadview Network Holdings
Bridgevoice, Inc.	4	N/A	Will Not Provide Data	International voice carrier.

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
Broadband Dynamics, LLC	2	Reseller	Will Not Provide Data	Cannot determine what this company does- most likely reseller
Broadcore, Inc.	2	Reseller	Will Not Provide Data	Reseller
Broadstar, LLC	3	Other	Will Not Provide Data	Offers broadband within rental/condo communities. not public, more a reseller to communities
Broadview Networks	2	Reseller	Will Not Provide Data	Reseller
BroadvoxGo!, LLC	3	Other	Will Not Provide Data	Trunking and VoIP, not a provider
Broadwing Communications	2	Reseller	Will Not Provide Data	Broadwing's data will be provided by Level3
BT COMMUNICATIONS SALES LLC	4	N/A	Will Not Provide Data	Cannot identify services provided.
Budget Phone	4	N/A	Will Not Provide Data	Pre-pay phone- not a provider. Cannot identify website.
Buffalo Wireless	3	Other	Non-Responsive	Not a broadband provider- dummy website makes it look like a provider, but links go nowhere and no more information can be found about them.
BullsEye Telecom	2	Reseller	Will Not Provide Data	Reseller, does not serve many NY customers
Burlington Telecom	3	Other	Will Not Provide Data	Not a broadband provider in NY
Business Automation Technologies	2	Reseller	Will Not Provide Data	Reseller, no NY customers
Business Productivity Solutions	4	N/A	Will Not Provide Data	Cannot determine services. Not a broadband provider.
Cable Positive	4	N/A	Will Not Provide Data	Provides educational programming about HIV/AIDS
Cable Services Company, Inc.	4	N/A	Will Not Provide Data	Provides broadband construction services, not broadband
Cablevision Systems	4	N/A	Will Not Provide Data	This company provides internal networking and voice systems.
Call Catchers Inc.	4	N/A	Will Not Provide Data	Virtual receptionist- not a provider, not in NY
Catskill Mountain Cablevision	4	N/A	Will Not Provide Data	Now owned by Mid-Hudson Cable
Cause Based Commerce Incorporated	4	N/A	Will Not Provide Data	Voice only
Cavalier Telephone; Cavalier Business Communications; Cavalier Telephone and TV	2	Reseller	Will Not Provide Data	Reseller, does not serve many NY customers, does not wish to participate.
CBN Connect, Inc.	3	Other	Will Not Provide Data	Infrastructure/Backbone
Cedar Heart Wireless Inc	4	Other	Non-Responsive	Not a broadband provider
Chain Lakes Cable	4	N/A	Will Not Provide Data	Company does not provide broadband to NYS customers.
Charter Communications Plattsburgh	4	N/A	Will Not Provide Data	
Cincinnati Bell	1	Broadband	Will Not Provide Data	Discovered on FCC 477 list; does not offer wireline service in NY.
Cingular Wireless	3	Other	Will Not Provide Data	Provides data through AT&T
Citizens Cablevision	4	N/A	Will Not Provide Data	Provides through Citizens Telephone of Hammond
Clearwire	1	Broadband	Will Not Provide Data	
Comcast Networks	3	Other	Will Not Provide Data	
CommPartners, LLC	3	Other	Will Not Provide Data	VoIP, co-location, reseller.
Communication Solutions Partners	3	Other	Will Not Provide Data	Internet reseller previously researched. Website not active any longer.
Communications Network Billing, Inc.	4	N/A	Will Not Provide Data	Phone only
Comp Direct USA	3	Other	Non-Responsive	Fixed Wireless Provider to pursue for Round 10
Computer SOS	4	N/A	Will Not Provide Data	Does not offer wireless to end user, only wireless networking.
ConnectMe, L.L.C.	4	N/A	Will Not Provide Data	Has nothing to do with broadband.
Cordia Communications Corp.	4	N/A	Will Not Provide Data	Phone only
CornerStone Telephone Company	2	Reseller	Will Not Provide Data	Re-seller of Verizon services

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
Cox Communications	3	Other	Will Not Provide Data	Does not provide services to New York State.
Crown Castle International	3	Other	Will Not Provide Data	Does not provide end user services. Infrastructure only.
CSP Telecom	4	N/A	Will Not Provide Data	Voice services only.
Current Communications	4	N/A	Will Not Provide Data	Discovered on WISPA list, No wireless offerings.
Custom Network Solutions	3	Other	Will Not Provide Data	Telecom solutions, T1, VoIP, Reseller.
cyberMIND	4	N/A	Will Not Provide Data	Does not provide broadband services.
Cypress Communications, Inc.	3	Other	Will Not Provide Data	Not a BB provider. Trunking/colocation, etc.
DANC	4	N/A	Will Not Provide Data	infrastructure only
Deposit Cable Television Inc.	4	N/A	Non-Responsive	Phone out of service; no online information (3/22/10)
Devine Communications, Inc.	4	N/A	Will Not Provide Data	Cannot identify company. Does not provide broadband.
DFT Communications/Netsync	2	Reseller	Will Not Provide Data	
DHAKA TELECOMMUNICATION CORP	4	N/A	Will Not Provide Data	Bangladesh Not a NY/US provider
diDi Wireless Communications	4	N/A	Will Not Provide Data	Not a Provider
Direcway	3	Other	Non-Responsive	Satellite (?) service, will attempt to add when available in NYS
Dish Network	3	Other	Will Not Provide Data	Television only
Douglas Computing Tech	2	Reseller	Will Not Provide Data	Reseller, few NY customers, not willing to participate.
Downsville Community Antenna	4	N/A	Will Not Provide Data	Planning to close in summer 2010
Doylestown Cable TV	3	Other	Will Not Provide Data	Does not serve NY.
Dream Catcher Communications	4	N/A	Will Not Provide Data	Provides advertising & marketing to NYS agencies and government offices
DSCI	2	Reseller	Will Not Provide Data	Business only reseller. Left messages
DSL Communications, LLC	3	Other	Will Not Provide Data	Cannot determine companies services.
DSL Extreme	2	Reseller	Non-Responsive	reseller
DSL.net	4	N/A	Will Not Provide Data	Company dissolved in December 2009.
DSLi	3	Other	Will Not Provide Data	Serves S. Florida only
EagleZip.com	1	Broadband	Non-Responsive	Fixed Wireless provider to pursue for Round 10
Earthlink	2	Reseller	Will Not Provide Data	Reseller
East 2 West Networks Inc.	4	N/A	Non-Responsive	Phone disconnected; web site cannot be found.
East Telecom, Inc.	4	N/A	Will Not Provide Data	No website or contact information
ECR Voice, LLC	4	N/A	Will Not Provide Data	Phone services only.
Electric Lightwave	2	Reseller	Will Not Provide Data	Purchased by Integra Telecom, which serves only the Northwest
Empire City Subway	3	Other	Will Not Provide Data	Not a broadband provider.
Empire One Telecom (EOT)	2	Reseller	Will Not Provide Data	Reseller
Encompass Communications	4	N/A	Will Not Provide Data	Calling Card Services
Endstream Communications, LLC	3	Other	Will Not Provide Data	Does not supply end-user internet.
Engineered Communication Systems, Inc	4	N/A	Will Not Provide Data	Cannot verify company type- no valid website.
Enhanced Communications Network, Inc.	4	N/A	Will Not Provide Data	Voice only. From website: leading telecommunications carrier providing local service in California, New Jersey and New York.
Enventis Telecom Inc.	2	Reseller	Will Not Provide Data	reseller
Equant, Inc.	4	N/A	Will Not Provide Data	Not a broadband provider.
Ernest Communications	4	N/A	Will Not Provide Data	Business only reseller.
Eschelm Telecom	3	Other	Will Not Provide Data	Owned by Integra Telecom, which serves only the Northwest

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
Eureka Telecom	4	N/A	Will Not Provide Data	Cannot identify company- Eureka Telecom or Eureka Broadband.
EURO CONNECT	4	N/A	Will Not Provide Data	Voice services only.
Evercom Systems, Inc.	3	Other	Will Not Provide Data	Does not provide broadband services.
eVolve Business Solutions LLC	4	N/A	Will Not Provide Data	VoIP only.
Evolve IP, LLC	3	Other	Will Not Provide Data	Cloud computing- not a provider.
ExteNet Systems	3	Other	Will Not Provide Data	broadband equipment business for wireless companies.
FASTNET	4	N/A	Will Not Provide Data	on WISPA list, may be part of PAETEC and does not have wireless.
Fidelity Voice Services LLC	3	Other	Will Not Provide Data	Not a provider for NY.
Fionda VOIP, LLC	4	N/A	Will Not Provide Data	VoIP company- may not be in NY.
First Communications, LLC	3	Other	Will Not Provide Data	infrastructure
Flint Communications	4	Other	Non-Responsive	Not a broadband provider
Fribley Enterprises	4	N/A	Will Not Provide Data	Phone out of service; no online information
Gafachi	3	Other	Will Not Provide Data	Provides wholesale VoIP services to providers and resellers.
GAW high-speed internet	4	Other	Non-Responsive	Actual provider identified in R8, but since then we have found that their service area is Connecticut, not NY
Global Capacity Group, Inc.	4	N/A	Will Not Provide Data	Provides network services to telecom industry. Not a provider to end users.
Global Crossing	4	N/A	Will Not Provide Data	Letter indicates they cannot provider in 7-10 days.
Global Protection Communications Systems	3	Other	Will Not Provide Data	Provides fiber infrastructure.
Globalinx	4	N/A	Will Not Provide Data	Reseller, VOIP. No applicable to program.
Globalnet Telecom, Inc.	4	N/A	Will Not Provide Data	Hosted PBX provider- no broadband.
GlobalPhone Corp.	4	N/A	Will Not Provide Data	Hosted PBX provider- no BB
Gore Mountain Cable TV	3	Other	Will Not Provide Data	Cable TV only- PSC lists their franchises as 'No Broadband'
Granite Telecommunications, LLC	2	Reseller	Will Not Provide Data	Reseller, does not serve many NY customers, does not wish to participate.
Great North West Telegraph Co	4	N/A	Will Not Provide Data	Company is closed.
GreatCall, Inc.	3	Other	Will Not Provide Data	No data- cell/voice only
GTC Communications	3	Other	Will Not Provide Data	Cannot identify company.
Hancel, Inc.	4	N/A	Will Not Provide Data	Cannot find any information on this company.
Hancock Video	3	Other	Will Not Provide Data	Hancock Video does not provide broadband.
Hickory Tech	4	N/A	Will Not Provide Data	Added in R5, found on 477 data. Does not serve NY.
High-Speed Solutions	2	Reseller	Will Provide Data	Reseller
Hilltop Communications, Inc.	3	Other	Will Not Provide Data	Part of GTEL (Germantown Telephone)
Horizonone Communications, Quantumlink Communications, Voip Communications, Optic Communications, ANI Networks	4	N/A	Will Not Provide Data	Voice services only.
Hotwire Communications, Ltd.	2	Reseller	Will Not Provide Data	Reseller, does not serve many NY customers, does not wish to participate.
Hudson Valley DataNet	3	Other	Will Not Provide Data	Merged with Lighttower Fiber networks.
Hughes Network Systems	1	Broadband	Will Not Provide Data	
iBasis	4	N/A	Will Not Provide Data	Voice services.
iCore Networks, Inc.	4	N/A	Will Not Provide Data	Phone services.
IDT Corporation	4	N/A	Will Not Provide Data	Phone services.
IKANO	3	Other	Will Not Provide Data	No end-users. Infrastructure only.

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
InPhonex.com, LLC	4	N/A	Will Not Provide Data	Phone services.
Insight Broadband	3	Other	Will Not Provide Data	Serves only Ohio and Kentucky
Integra Telecom	3	Other	Will Not Provide Data	Provides broadband in the Northwest
Integrated Services, Inc.	4	N/A	Will Not Provide Data	Voice services.
Intellifiber Networks	3	Other	Non-Responsive	Infrastructure fiber for business and providers. No end users. Will look for middle mile in future rounds.
Interface Security Systems, LLC	4	N/A	Will Not Provide Data	Not a provider.
InterGlobe Communications	2	Reseller	Will Provide Data	reseller
Internet Professionals & Network Solutions (IPNS)	2	Reseller	Will Provide Data	reseller
Internet@ntc, Inc.	4	N/A	Will Not Provide Data	No idea who or what they are/do.
Interstate FiberNet, Inc.	4	N/A	Will Not Provide Data	Part of Deltacom- now part of Earthlink Business. Business only.
ION	3	Other	Will Not Provide Data	Infrastructure only.
IP Communications, LLC.	4	N/A	Will Not Provide Data	Phone services.
IP Networked Services, Inc.	3	Other	Will Not Provide Data	Business only reseller.
IPC Network Services, Inc.	4	N/A	Will Not Provide Data	Network equipment business- not a provider
Jet Wave Corporation	3	Other	Will Provide Data	Email sent to Mr. Klein- cannot find any information on this company.
JetWeb	1	Broadband	Non-Responsive	May be out of business
Jivetel Communications	4	N/A	Will Not Provide Data	Voice only.
Kosmaz Technologies LLC	4	N/A	Will Not Provide Data	Voice services only.
LaunchNet	2	Reseller	Will Provide Data	Reseller
LCR Telecommunciations, LLC	4	N/A	Will Not Provide Data	Wholesale long distance.
LDC Telecommunications Inc	4	N/A	Will Not Provide Data	Cannot identify company. website blocked.
LDMI Telecommunications, Inc.	3	Other	Will Not Provide Data	Same address as Talk America; website goes to Cavalier.
LI Sky	4	N/A	Will Not Provide Data	Discovered in R5. Not a Provider
Light Tower Fiber Long Island LLC	1	Broadband	Will Not Provide Data	
LightEdge Solutions, Inc.	3	Other	Will Not Provide Data	Does not provide broadband to NY customers, does not wish to participate.
Lightlink	1	Broadband	Non-Responsive	Fixed wireless provider identified to pursue for Round 10
Lightspeed Fiber Network	3	Other	Will Not Provide Data	Lightspeed closed; phone transfers to Thalle Industries Inc., which does not provide broadband services.
LightSquared LP	3	Other	Will Not Provide Data	Wireless backbone/wholesaler.
Lightyear Network Solutions, LLC	2	Reseller	Will Not Provide Data	Reseller- may not fit 7-10 day req.
Line Systems, Inc.	2	Reseller	Will Not Provide Data	Reseller.
Localnet	4	N/A	Non-Responsive	Not a broadband provider
Logical Net	4	Other	Non-Responsive	Not a broadband provider
Looking Glass Networks, Inc.	3	Other	Will Not Provide Data	Acquired by Level3 Communications in 2006
Luzip Telecom Inc.	4	N/A	Will Not Provide Data	Voice only.
M5 Networks, Inc.	4	N/A	Will Not Provide Data	Voice only.
Magellan Hill	4	N/A	Will Not Provide Data	Telecom management company.
Matrix Telecom, Inc.	4	N/A	Will Not Provide Data	Reseller.
McGraw Communications, Inc.	3	Other	Will Not Provide Data	Business only reseller, co-location, etc.
MCI Communications Services, Inc.	3	Other	Will Not Provide Data	Voice only- data services provided by Verizon.
MCImetro Access Transmission Services LLC	3	Other	Will Not Provide Data	Cannot identify.
Mediacom	4	N/A	Will Not Provide Data	Does not provide broadband to NY customers

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
Meriplex Communications, Ltd.	2	Reseller	Will Not Provide Data	Reseller, no NY customers
Metro PCS	1	Broadband	Non-Responsive	Wireless provider to pursue for Round 10
Metropolitan Fiber System of New York	1	Broadband	Will Not Provide Data	Verizon Business Global letter indicates MFS cannot provide in 7-10 days
Metropolitan Telecommunications Holding Company	3	Other	Will Not Provide Data	Reseller, does not provide broadband.
MFS of New York, Inc.	3	Other	Will Not Provide Data	Verizon Business Global letter indicates MFS cannot provide in 7-10 days
Middleburgh Telephone	3	Other	Will Not Provide Data	
Milestone Communications of NY	3	Other	Will Not Provide Data	Does not provide broadband to NY customers
Millicorp	4	N/A	Will Not Provide Data	VoIP and voice only.
Mitel Netsolutions Inc.	2	Reseller	Will Not Provide Data	Reseller.
MIX NETWORKS, INC.	4	N/A	Will Not Provide Data	Voice services.
MKL.net	4	N/A	Will Not Provide Data	Discovered in R5. Not a Provider
My Tel Co, Inc.	4	N/A	Will Not Provide Data	part of Cordia- VoIP only.
Navigator Telecommunications, LLC.	4	N/A	Will Not Provide Data	Voice services
NBC TV	3	Other	Will Not Provide Data	NBC TV - does not provide broadband services
NECC TELECOM	4	N/A	Will Not Provide Data	Voice/long-distance service.
Neon Transcom Inc.	4	Other	Will Not Provide Data	possibly part of RCN Telecom
Net One International, Inc.	4	N/A	Will Not Provide Data	Voice/long distance/calling cards
NetCarrier	4	N/A	Will Not Provide Data	Voice/pbx/data. not a bb provider.
Netifice Communications	3	Other	Will Not Provide Data	purchased by Megapath in 2006
Netlogic, Inc.	2	Reseller	Will Not Provide Data	Reseller, does not serve many NY customers, does not wish to participate.
Netsville	4	N/A	Will Not Provide Data	Discovered on WISPA list. Does not provide wireless to end user- networking only.
Network Billing Systems LLC	2	Reseller	Will Not Provide Data	Reseller.
Network Communications International Corp.	4	N/A	Will Not Provide Data	Provides voice services for inmate/correctional population
Network Innovations	1	Broadband	Will Not Provide Data	Provides broadband in MA & NH; very limited data service in NY
Network Operator Services, Inc	3	Other	Will Not Provide Data	Cannot identify this company.
Network Service Billing, Inc.	4	N/A	Will Not Provide Data	Voice/long-distance services
New Edge Networks	2	Reseller	Will Not Provide Data	Reseller that cannot provide within 7-10 days.
New Horizons Wireless, Inc.	1	Broadband	Non-Responsive	Not a broadband provider
New Jersey DataNet Telecom, LLC	3	Other	Will Not Provide Data	Lighttower Fiber Acquired DataNet Communications Group.
New York RSA 2 Cellular Partnership (Verizon Wireless)	3	Other	Will Not Provide Data	Provides data through Verizon wireless/Cellco Partnerships
NexGen Networks Corporation	2	Reseller	Will Provide Data	Non responsive in previous rounds.
NextGen Telephone	4	N/A	Will Not Provide Data	NextGen Telephone has ceased operations effective January 24, 2011.
Nextlink Wireless	2	Reseller	Will Not Provide Data	reseller
NextWave Wireless	2	Reseller	Will Not Provide Data	No end user service
nexVortex, Inc.	2	Reseller	Will Not Provide Data	Reseller.
NightOwl Internet Gateway	3	Other	Will Not Provide Data	Email indicated company provides BB primarily in Missouri; not in NYS
NobelTel	4	N/A	Will Not Provide Data	Voice services only
North Penn Telephone	3	Other	Will Not Provide Data	Offices located in NY, does not serve NY.
Northeast Optic Networks	3	Other	Will Not Provide Data	Merged with Sidera

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
Northstar Telecom	3	Other	Will Not Provide Data	Called previously- not responsive. May not provide in NY.
NOS Communications, Inc.	4	N/A	Will Not Provide Data	Toll free and out-bound telephone services
NOSVA Limited Partnership	4	N/A	Will Not Provide Data	Same as NOS communications- voice services only.
NTCNet Telecom, Inc.	3	Other	Will Not Provide Data	NTCNet Telecom, Inc. is a small CLEC that operates as a subsidiary of Newport Telephone Company.
Nuvox	4	N/A	Will Not Provide Data	
NYSYS Broadband	4	Other	Non-Responsive	Not a broadband provider
Ojo Service LLC	4	N/A	Will Not Provide Data	Video/voice service.
OLS Inc.	4	N/A	Will Not Provide Data	Cannot identify this company or its services.
Omnipoint Communications	3	Other	Will Not Provide Data	Small northeast wireless company, acquired by VoiceStream which is now T-Mobile.
One Communications	2	Reseller	Will Not Provide Data	reseller
One Source Networks	2	Reseller	Will Not Provide Data	Global partner- reseller.
OneLink Communications, Inc.	4	N/A	Will Not Provide Data	Company located in Puerto Rico
Online Image	4	N/A	Will Not Provide Data	Discovered on WISPA list. Does not supply BB.
OnWav, Inc	2	Reseller	Will Not Provide Data	Reseller- does not serve NY.
Open Access	4	N/A	Will Not Provide Data	Discovered on WISPA list. Website redirects to Lighttower Fiber
Open Access Inc.	3	Other	Will Not Provide Data	Open Access is now LightTower Communications
Optical Communications Group	3	Other	Non-Responsive	Provider identified as Fiber Infrastructure/Business-only broadband provider
Optimum TV	3	Other	Will Not Provide Data	Company provides data through CSC holdings
Pac-West Telecomm, Inc.	3	Other	Will Not Provide Data	Broadband Infrastructure
PAD Business Solutions	2	Reseller	Will Not Provide Data	Reseller, does not serve many NY customers, does not wish to participate.
PAETEC	2	Reseller	Will Provide Data	Company acquired by Windstream.
Pannon Telecom, Inc.	4	N/A	Will Not Provide Data	International voice/phone
PCCW Global, Inc.	3	Other	Will Not Provide Data	HKT is Hong Kong Telephone- PCCW is subsidiary.
Peerless Network of New York, LLC	3	Other	Will Not Provide Data	Backbone voice services.
PeoplePC	2	Reseller	Non-Responsive	Non responsive in previous rounds.
Phone.com, LLC	4	N/A	Will Not Provide Data	Voice only.
PNG Telecommunications	4	N/A	Will Not Provide Data	Phone services only
posTrack Technologies, Inc.	4	N/A	Will Not Provide Data	Voice services for colleges.
PowerDSL	3	Other	Will Not Provide Data	Likely reseller, web search returns inactive website and little results.
PowerNet Global	2	Reseller	Will Not Provide Data	Likely reseller, very unclear website
Premier Wireless	4	Other	Non-Responsive	Not a broadband provider
Princeton Cable	1	Broadband	Will Not Provide Data	Out of business
Proximiti Technologies, Inc.	3	Other	Will Not Provide Data	Primarily voice and phone tracking Offers internet as reseller.
QTel	4	N/A	Will Not Provide Data	VoIP- provides DSL in select areas only.
QuantumShift Communications, Inc.	3	Other	Will Not Provide Data	Manages carrier service. Not a provider.
Qwest Communications Company	3	Other	Will Not Provide Data	Qwest is now Century Link. http://www.centurylink.com/index.html
RAI Telecom, Inc.	3	Other	Will Not Provide Data	VoIP services.
Rainbow Broadband	4	Other	Non-Responsive	Hybrid Fiber Microwave Network to buildings in NYC. Business Broadband.

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
Razorline LLC	4	N/A	Will Not Provide Data	May not be in NY. Voice services.
Real Linx	2	Reseller	Will Not Provide Data	Reseller
Reliance Globalcom	2	Reseller	Non-Responsive	Reseller
RGT Utilities, Inc.	4	N/A	Will Not Provide Data	Utility company in Calif. cannot identify website or more information.
RGTS (Rockefeller Group Technology Solutions)	2	Reseller	Will Not Provide Data	Provides broadband to specific businesses, does not wish to be on the map, has confidentiality concerns; Legal department advised them not to participate (6/29/10 phone)
RidgeviewTel/Premier Wireless	3	Other	Non-Responsive	Not a broadband provider
RNK Communications	4	N/A	Will Not Provide Data	Reseller/voice services- difficult to identify services provided. Not and end user BB provider.
SAVVIS Communications	3	Other	Will Not Provide Data	Cloud, Colocation, VoIP, etc. No BB provider. Acquired by CenturyLink.
SBA Communications Corp.	3	Other	Will Not Provide Data	Provides tower site management and locations for cell and wireless companies.
SBC	4	N/A	Will Not Provide Data	phone goes directly to AT&T.
Semperon	2	Reseller	Will Not Provide Data	Reseller with network partnerships
Sidera Networks	1	Broadband	Will Not Provide Data	Out of business
Sidera Networks Long Island	1	Broadband	Will Not Provide Data	Out of business
Silv Communication Inc.	4	N/A	Will Not Provide Data	Worldwide telephone service. Not a BB provider.
SinglePipe Communications	4	N/A	Will Not Provide Data	Company hard to find. Possible merge- voice services only.
Smart Choice Communications	2	Reseller	Will Not Provide Data	reseller
S-One Communications, Inc.	3	Other	Will Not Provide Data	Cannot identify this company or services it provides.
Spa Net	3	Other	Will Not Provide Data	Discovered on WISPA list but does not advertise wireless on website.
Spectrotel, Inc.	2	Reseller	Will Not Provide Data	Reseller.
Speedus	4	N/A	Will Not Provide Data	Discovered on WISPA list. Nothing to do with BB service.
SpiceCSM	4	Other	Non-Responsive	Not a broadband provider
Stage 2 Networks	4	N/A	Will Not Provide Data	Voice and Hosted business phone
Sterling Telecom	2	Reseller	Will Not Provide Data	Quote website: Wholesaler of Verizon Phone Service to Businesses.
Stratos Offshore Services Company	3	Other	Will Not Provide Data	Provides communication services to US military and government entities outside of the country.
Sunwize Technologies, Inc.	4	Other	Non-Responsive	Not a broadband provider
T2 Technologies	2	Reseller	Will Not Provide Data	Reseller, may be business only. Not sure where/who they serve.
TCE Net	1	Broadband	Will Not Provide Data	Company has 12 wireless customers, is not advertising to expand, will phase out these customers. Primarily serves dial up customers.
TCO Network, Inc.	2	Reseller	Will Not Provide Data	Reseller, may be business only.
TCSweb Communications	4	N/A	Will Not Provide Data	Discovered on WISPA list. Website not active, no good Google results.
TDS Telecom	3	Other	Will Not Provide Data	
Tekmenwireless	3	Other	Will Not Provide Data	Not a BB Provider
Telco Experts, LLC	2	Reseller	Will Not Provide Data	Reseller
TelCove	3	Other	Will Not Provide Data	
Telcove	3	Other	Will Not Provide Data	Website redirects to Level 3.

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
Telecom	2	Reseller	Will Not Provide Data	From internet: dba Telecom and Verizon
Telefonica USA	3	Other	Will Not Provide Data	Reseller, does not provide broadband.
Telekenex, Inc.	2	Reseller	Will Not Provide Data	Business only reseller.
TelePacific	3	Other	Will Not Provide Data	Reseller, no NY customers
Teleport Communications	3	Other	Will Not Provide Data	Cannot identify company or services they provide.
Telergy Metro	3	Other	Will Not Provide Data	Acquired by Con Ed communications, which was acquired by RNC.
Telesphere Networks Ltd.	4	N/A	Will Not Provide Data	Telephony services.
Telnes Broadband	2	Reseller	Non-Responsive	Reseller, few NY customers, not willing to participate.
Telovations, Inc.	3	Other	Will Not Provide Data	Reseller, no NY customers
TELZEQ Communications	4	N/A	Will Not Provide Data	Provides voice services and phone equipment
The Flat Planet Phone Company Inc.	4	N/A	Will Not Provide Data	Voice/telephony/ PBX
The Gotham Bus Company	4	Other	Non-Responsive	Not a broadband provider
Thinking Phone Networks, LLC	4	N/A	Will Not Provide Data	Voice only.
Third Gear Networks	4	Other	Non-Responsive	Not a broadband provider
TNCI	2	Reseller	Will Not Provide Data	Business only reseller.
Towerstream	1	Broadband	Will Not Provide Data	Opt out - business only. Too much work to participate.
Transbeam	2	Reseller	Non-Responsive	Reseller
Transit Wireless	4	Other	Will Not Provide Data	Subway WiFi- not a broadband provider
Tremcom International, Inc.	4	N/A	Will Not Provide Data	Voice services, long distance, etc.
TruCom Corporation	3	Other	Will Not Provide Data	Cannot identify this company or the services it provides.
TTI National, Inc.	4	N/A	Will Not Provide Data	From Website: for state-to-state, in-state long distance, local toll (limited availability) and international calls to existing customers. In addition Toll-Free service and Calling Cards are also available.
TW Telecom	3	Other	Will Not Provide Data	
UCN	4	N/A	Will Not Provide Data	Cannot identify this company or what services it provides.
Unison Communications, Inc.	2	Reseller	Will Not Provide Data	Business only reseller. Quote: We interconnect with major carriers.
UNITED STATES CELLULAR CORPORATION	3	Other	Will Not Provide Data	Not located in NY.
Urban Communications Transport	4	Other	Will Not Provide Data	Not a facilities-based broadband provider
US LEC	3	Other	Will Provide Data	Merged with PAETEC, was a "Will Provide" for previous rounds but no data provided
Valstar, Inc.	3	Other	Will Not Provide Data	Cannot identify this company or services it provides.
Vanco Direct	3	Other	Will Not Provide Data	Cannot identify this company, aka Global Capacity Direct.
Velocity Networks Inc	2	Reseller	Will Not Provide Data	Business only reseller.
Verio	3	Other	Will Not Provide Data	Verio offer web hosting among other things, NTT is global reseller.
Verizon Avenue Corp.	3	Other	Will Not Provide Data	no longer active.
Verizon Business Global LLC	3	Other	Will Not Provide Data	Email indicates they cannot provide in 7-10 days
Verizon Network Integration Corp.	3	Other	Will Not Provide Data	
Verizon Online	3	Other	Will Not Provide Data	
Verizon Select Services, Inc.	3	Other	Will Not Provide Data	formerly GTE Comm. Corp., focus on long-distance service.

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
V-Global Communications	4	N/A	Will Not Provide Data	Voice and VoIP services.
VIA ONE TECHNOLOGIES INC.	4	N/A	Will Not Provide Data	Cannot identify this company or services they provide.
Vocal IP Network Ltd	4	N/A	Will Not Provide Data	Voice and telephony services only.
VOCAL Technologies, Ltd.	4	Other	Non-Responsive	Not a broadband provider
Voda Networks, Inc.	2	Reseller	Will Not Provide Data	Reseller. from website: Partnered with industry leading providers.
VoIPnet Technologies	4	N/A	Will Not Provide Data	Voice only.
VoIPStreet, Inc.	4	N/A	Will Not Provide Data	VoIP services only.
Vonage	4	N/A	Will Not Provide Data	Provides phone services only.
VPN Systems	3	Other	Will Not Provide Data	Discovered on WISPA list. Does not provide BB service.
Warp Drive Products	3	Other	Will Not Provide Data	Discovered on WISPA list. Does not provide BB service.
Wave2Wave Communications Inc	2	Reseller	Will Not Provide Data	reseller
WavHost	3	Other	Non-Responsive	Not a broadband provider
WCS Wireless License Subsidiary, LLC	4	N/A	Will Not Provide Data	Cannot verify any information on company.
WDT	2	Reseller	Will Not Provide Data	Reseller- unsure of service to NY.
White Fence	3	Other	Will Not Provide Data	Company connects customers with broadband providers.
Wholesale Carrier Services, Inc.	2	Reseller	Will Not Provide Data	reseller
WiiTel Communications, LLC.	3	Other	Will Not Provide Data	Acquired by Level 3.
WINC Communications	1	Broadband	Non-Responsive	Out of business
Winc Wireless	1	Broadband	Will Not Provide Data	
Winstar	3	Other	Will Not Provide Data	Company was reseller but since has gone bankrupt.
Wired Towns	4	Other	Non-Responsive	Not a broadband provider
WiSpring, Inc.	4	Other	Non-Responsive	Not a broadband provider in NY
WNYNet	1	Broadband	Non-Responsive	Fixed wireless provider identified, will pursue for Round 10
Worldlink USA Inc.	4	N/A	Will Not Provide Data	Unsure of actual company- best search turns up maritime communications company.
Worldwide Marketing Solutions	4	N/A	Will Not Provide Data	Research indicates website hosting, many pending lawsuits and scam reports.
Xand Corporation	3	Other	Will Not Provide Data	Network systems- not BB provider
Xcyncroj	4	N/A	Will Not Provide Data	Cannot identify company or services. Number is out of service
XO Communications Services, Inc. (Affiliated Entity)	2	Reseller	Will Not Provide Data	Reseller
Zayo Group	3	Other	Will Not Provide Data	Reseller, no NY customers
Zone Telecom, Inc.	4	N/A	Will Not Provide Data	Voice services, VoIP, etc.