

New York Methodology Paper for Round 10 (June 2014) Data Submission to the NTIA under the SBI

October 1, 2014

Executive Summary

The Broadband Mapping Team at the New York State Office of Information Technology Services, GIS Program Office is pleased to submit our Round 10 (June 2014) data for the State Broadband Initiative (SBI). As previously mentioned, two of our goals for the last few rounds of data collection were 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. We believe we have met and perhaps exceeded these goals.

NY added 14 providers (9 fixed wireless and 5 wireline) during the last three rounds of data collection and lost none. There were many that reported no updates but no providers “dropped out” of the program. In fact, only three providers dropped out over the course of the entire five year program (documented in the Readme file under Challenging Providers). We believe that speaks volumes to the overall success of the national SBI program and the professionalism and hard work of the NY Team.

Many providers did provide important and significant updates during the last few rounds. We are certain the Round 10 geodatabase provides our most complete and accurate collection of data thus far. We attribute that success in large part to three factors:

1. Our offer to assist ILECs with their October 1, 2014 FCC Form 477 and March 17, 2014 Study Area boundaries submissions. 26 providers requested assistance with their Form 477 submissions and 19 were provided assistance submitting the Study Area boundary files.
2. Our offer to provide free propagation modeling services to NY WISPs. We also hosted two NY Chapter WISPA meetings in June of 2013 and 2014. During Rounds 9 & 10, eight new WISPs were added and several updates to previous participant’s service areas were obtained.
3. The NYS broadband grant program directed by the SBI funded NYS Broadband Program Office. In addition to the positive public/private partnership “karma” created, award recipients are required to participate in the SBI program.

These provider partnering relationships, our high quality SBI program data and the SBI funded NYS address file (just completed last month) positions NY very well to continue broadband mapping activities for the foreseeable future. All in all, the NY Team considers the five year SBI program to be a huge success!

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 10:

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

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	292,974	34	27,385	0	0	30	1,642
Symetric xDSL	2	53,995	2	52	0	0	0	0
Other Copper Wireline	4	86,190	4	253	0	0	0	0
Cable Modem - DOCSIS 3.0	7	279,530	7	29,555	0	0	3	10
Cable Modem - Other	8	3,078	8	1,005	0	0	1	1
Optical Carrier/Fiber to the End User	31	137,424	31	3,891	0	0	7	850
Satellite	0	0	0	0	4	5	0	0
Terrestrial Fixed Wireless - Unlicensed	0	0	0	0	20	26	0	0
Terrestrial Fixed Wireless - Licensed	0	0	0	0	0	0	0	0
Terrestrial Mobile Wireless	0	0	0	0	5	27	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. New FCC 477 Reporting Requirement
 - b. NCES and NYSED Schools Data
 - c. NYS Street Address Mapping (SAM) Address Points
 - d. NTIA Baker Summaries
 - e. NYS DMV data
 - f. NYS Lottery terminal data
 - g. NYS Streets and Address ranges
 - h. 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.
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. We have also started including address points on some of the mapping we develop for the Broadband Program Office which has led to a few changes in our provider availability data.

4. **ILEC DSLAM Network Mapping:** The NYS Broadband Mapping Team again assisted broadband providers by updating 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 this final data collection cycle.

5. **WISPA Propagation Modeling Contract:**

The prospect of luring WISPs to participate in the NTIA mapping initiative continued to be challenging even with the offer of free propagation modeling and mapping. But in the end, there was more progress made. Last round, the partnership with NYSTEC/Brian Webster proved fruitful in netting the broadband team 4 new WISPs, in addition to the updating of 3 existing WISPs service territories. The 4 additional WISPs are: Adirondack Internet /Public Access, Bouncelinx, Business Only Broadband, and Cv Wireless. Also redone were the following existing providers' maps: Clarity Connect, Hudson Valley Wireless, and Webjogger. Though we know there are still several fixed wireless companies operating in New York State that have ignored or chosen to decline our outreach offers, the map now contains 17 fixed wireless providers. We are pleased about this considering many WISPs are short on time and resources--- let alone suspicious--- to oblige a big government entity.

6. **Virtual Field Inspections (using Google Street View):** Two members of the Broadband Mapping Team were previously 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. We utilize this method, identifying coverage or lack of coverage through Google Street View inspections, to verify and correct provider data.

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 372 records were successfully geocoded for a total of 8,716 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. All records were 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 has 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 Street View 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. **New FCC 477 Reporting Requirement** has facilitated the refining of several providers’ broadband data this round. 26 providers requested assistance getting the data into the correct format for submission to the FCC. These providers worked closely with our team, to refine their deployment coverage areas and speeds in order to align the FCC 477 and SBI submissions due on October 1st. One example of a provider who worked closely with our team to refine their service area is Keene Valley Video. After they reviewed the deployment data for the FCC 477 we provided to them, they noticed that three Census Blocks were listed as being served where they did not provide service. They also noticed a Census Block was missing where they do provide service. These changes were made in both the FCC 477 data as well as our Round 10 delivery geodatabase.
- b. **National Center for Education Statistics (NCES), New York State Education Department (NYSED), and Institute of Museum and Library Services (IMLS) datasets** were continually updated and used to complete 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.
- c. **NYS Street Address Mapping (SAM) Address Points** were used during provider data processing to accurately geocode broadband premise locations. The majority of these address points are placed on building rooftops, which is more accurate than the parcel centroid based NAVTEQ Address Points. The increased positional

accuracy of these address points helps to improve the representation of provider reported availability. The SAM Address Points were also used to provide maps and a listing of addresses within served Census Blocks for providers who requested assistance with their FCC 477 reporting data.

- d. **NTIA Baker Summaries** supplied to the SBI Wiki site by the NTIA for Round 10 included 11 providers that service New York State. We examined the matched and un-matched data summaries for each provider and determined that our submissions fell within the acceptable match range. We concluded that, to the best of our knowledge, our data submissions match the information found in Baker's third-party datasets.
- e. 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.
- f. **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.
- g. **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.
- h. **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 DSLAM 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. Even though our SAM Address Point file continues to grow and is near completion, the NAVTEQ Address Points were still used in Round 10. Especially in areas where the SAM points had not yet been completed.
- c. **Pictometry oblique aerial imagery/Google's Street View:** Bing's Bird's Eye View (Pictometry Oblique Aerial Imagery) and Google's Street View function continue to provide us information to supplement and verify the geocoding of address data received by broadband providers and for the improvement of CAI locations.

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) and the use of New York State Department of Education data, we acquired new broadband service updates for over 700 school records during the Round 10 data gathering process. This brings the total number of CAI records attributed with broadband

information to 6608, 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.

11. **Provider verification maps:** For providers with significant changes from the previous round, we created review maps showing Round 10 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.
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.
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 and NCES records and Unique IDs. 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 (HANYNS) 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.

In Spring 2013, National Center for Education Statistics (NCES) data was added and became the defining list for the SBI efforts for schools and libraries. Differences in naming and addressing conventions, as well as unique identifiers made reconciling the existing records with the new NCES records difficult. A change in record count occurred as a result of adding new records found in updated NCES files, addition of updated New York State Education Department (NYSED) records, and further resolution of duplicate records. The result was a comprehensive list of schools and libraries being established.

New datasets were also incorporated and used for validation and mined for internet service availability. These data included: New York State RIC/BOCES, the Public Service Commission, State Dept. of Education, and The Education Superhighway.

In order to achieve the best data possible for Public schools (not including Charter or BOCES), we established a set of priorities to allow CTG to focus their outreach efforts. Three categories were identified:

1. No Broadband Service – BB_Service = No
2. Incomplete Data – missing one or more category - technology, speed, provider
3. Speed is below Tier 4 – (≥ 1.5 mbps and < 3 mbps)

We were able to eliminate Public schools that fell into the first priority. And, we were able to reduce incomplete data by over 240 record updates.

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 10 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/telephone services
Accessline Communications Corporation	4	N/A	Will Not Provide Data	Voice only
Ace Innovative Networks	2	Reseller	Will Not Provide Data	Reseller
Ace Innovative Networks, Inc.	2	Reseller	Will Not Provide Data	Reseller of Verizon.
Acella, Inc.	4	N/A	Will Not Provide Data	Voice only
ACN Communications	2	Reseller	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
Advanced Corporate Networking, Inc.	3	Other	Will Not Provide Data	Found on FCC 477 June 2013 Filing list for NY. Researched and found not to be a facilities-based broadband provider: "Advanced Corporate Networking is a Milford-based IT firm. It specializes in the installation and calibration of networking and wireless systems for corporate clients."http://milford.patch.com/listings/advanced-corporate-networking)
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
Alpheus Communications, LLC	3	Other	Will Not Provide Data	Found on FCC 477 June 2013 Filing list for NY. Researched and found not to be a facilities-based broadband provider in New York: "Alpheus Communications is a leading provider of Texas metro-regional fiber and networking solutions. With owned facilities in Dallas-Fort Worth, Houston, San Antonio, Austin, Corpus Christi and the Rio Grande Valley,...." (http://www.linkedin.com/company/alpheus-communications)
AlreadyNet	3	Other	Non-Responsive	Not a broadband provider and non-responsive to outreach
American Fiber Network, Inc. (AFN)	3	Other	Will Not Provide Data	Company solely provides EVDO wireless cards

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
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	N/A	Non-Responsive	Not a broadband provider Closed per Nate Roberts R9
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. Still no luck R9 per Roberts.
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	N/A	Will Not Provide Data	WiFi Hot Spots only- not a broadband provider
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.
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	Provided 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.

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
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. Apparently out of business per Nate Roberts R9.
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	N/A	Non-Responsive	Not a broadband provider or out of business per Nate Roberts -R9
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	part of Charter Communications
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
Clearly Communications	4	N/A	Will Not Provide Data	Found on FCC 477 June 2013 Filing list for NY. Researched and found not to be a facilities-based broadband provider in New York: http://en.wikipedia.org/wiki/Clearfly_Communications
ComLink, LLC	4	N/A	Will Not Provide Data	Affiliate Name: Great Lakes Comnet, Inc. Found on FCC 477 June 2013 Filing list for NY. Researched and found not to be a facilities-based broadband provider in New York: "COMLINK has thousands of miles of fiber through Michigan, Ohio, Indiana, Illinois and Wisconsin. Providing over 20 PoPs on a reliable and secure network." (http://www.comlink.net/)
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

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
Comp Direct USA	1	Broadband	Non-Responsive	continued to be non-responsive in R10
Computer SOS	4	N/A	Will Not Provide Data	Does not offer wireless to end user, only wireless networking. Per Nathan Roberts- not a WISP--R9
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
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	3	Other	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	Provided Data	Re-seller, no longer submitting 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; alt name: dishNET Satellite Broadband, L.L.C., Charles W. Ergen. In conjunction with HNS License Sub, LLC (FRN: 0012369286)
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	4	N/A	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	continued to be non-responsive in R10
Earthlink	2	Reseller	Will Not Provide Data	Reseller; also DeltaCom, LLC d/b/a EarthLink Business (FRN: 0005183025)
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.

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
Empire One Telecom (EOT)	2	Reseller	Will Not Provide Data	Reseller
Encompass Communications	3	Other	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, Minnesota based company
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
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	N/A	Non-Responsive	not responsive thru R9, though Jimmy was present at NanoTech event with drinking bud Kevin McGinnis of Mountain Wireless
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	N/A	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 telcom 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.

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
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.
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.
Inmarsat Solutions Ltd.	3	Other	Will Not Provide Data	Mobile satellite services. Mostly governmental/corporate. www.inmarsat.com.
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.
Inteltrace, Inc.	3	Other	Will Not Provide Data	Found on FCC 477 June 2013 Filing list for NY. Researched and found not to be a facilities-based broadband provider in New York: Reseller
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.	2	Reseller	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	Per Nate Roberts R9 they are 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.

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
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
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	continued to be non-responsive in R10
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 Per Roberts could not reach--was on hold over 5 min.
Logical Net	4	N/A	Non-Responsive	Not a broadband provider Per Roberts left a message for Tush Nikollai
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
Meriplex Communications, Ltd.	2	Reseller	Will Not Provide Data	Reseller, no NY customers
Metro PCS	1	Broadband	Non-Responsive	continued to be non-responsive in R10
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
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	N/A	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

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
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. R9-per Nate Roberts-sold to Nysys
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. Bought by EARTHLINK
New Horizons Wireless, Inc.	1	Broadband	Non-Responsive	No reponse yet after many rounds of outreach, including Webster/Roberts
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	Provided Data	NextGen Telephone has ceased operations effective January 24, 2011.
Nextlink Wireless	2	Reseller	Provided 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
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	acquired by Windstream in 2010
NYSYS Broadband	3	Other	Non-Responsive	Most likely a business only provider, but they appear sizeable- see correspondence. non-responsive though...
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	Provided Data	Reseller

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
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. Continued to be non-responsive in R10
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	N/A	Non-Responsive	they have been out of business about 3 years, thus not a provider
Princeton Hosted Solutions, LLC	3	Other	Will Not Provide Data	Found on FCC 477 June 2013 Filing list for NY. Researched and found not to be a facilities-based broadband provider in New York: cloud based services provider.
Princeton Cable	1	Broadband	Provided 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	1	Broadband	Non-Responsive	Hybrid Fiber Microwave Network to buildings in NYC. Business Broadband. continued to be non-responsive in R10
Razorline LLC	4	N/A	Will Not Provide Data	May not be in NY. Voice services.
RealLinx	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.

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
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 an 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	Provided Data	Out of business
Sidera Networks Long Island	1	Broadband	Provided Data	Out of business
SignalPoint Communications	4	N/A	Will Not Provide Data	Found on FCC 477 June 2013 Filing list for NY. Researched and found not to be a facilities-based broadband provider in New York: business data solutions, reseller
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. "Smart Choice is an end-to-end telecommunications consulting and management company, providing our clients a premiere level of expertise and support for all their telecommunications needs." (http://smartchoiceus.com/)
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	N/A	Non-Responsive	Per Nate Roberts R9, 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.
Sunwise Technologies, Inc.	4	N/A	Non-Responsive	Per Nate Roberts R9, 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.
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	Website redirects to Level 3.
Telecom	2	Reseller	Will Not Provide Data	From internet: dba Telecom and Verizon

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
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/telephone/ PBX
The Gotham Bus Company	4	N/A	Non-Responsive	Not a broadband provider or may be business only
Thinking Phone Networks, LLC	4	N/A	Will Not Provide Data	Voice only.
Third Gear Networks	4	N/A	Non-Responsive	Not a broadband provider or business only
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. NYC area only, non-responsive to Roberts R9
Transbeam	2	Reseller	Non-Responsive	Reseller
Transit Wireless	4	N/A	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	4	N/A	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.
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	N/A	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.

Filing Company DBA	Provider Type: Broadband=1 Reseller=2 Other=3 N/A=4	Provider Type	Participation Status	Comments
Verizon Business Global LLC	3	Other	Will Not Provide Data	Email indicates they cannot provide in 7-10 days
Verizon Select Services, Inc.	3	Other	Will Not Provide Data	formerly GTE Comm. Corp., focus on long-distance service.
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 Networx Ltd	4	N/A	Will Not Provide Data	Voice and telephone services only.
VOCAL Technologies, Ltd.	4	N/A	Non-Responsive	Per Nate Roberts R9, Not a broadband provider
Voda Networks, Inc.	2	Reseller	Will Not Provide Data	Reseller. from website: Partnered with industry leading providers.
VolPnet Technologies	4	N/A	Will Not Provide Data	Voice only.
VolPStreet, 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 Per Nate Roberts R9, sold to COMP DRIECT USA
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
WiTel Communications, LLC.	3	Other	Will Not Provide Data	Acquired by Level 3.
WINC Communications	1	Broadband	Non-Responsive	Out of business
Winc Wireless	4	N/A	Will Not Provide Data	not a provider PER Nate Roberts R9- acquired by Nysys
Winstar	3	Other	Will Not Provide Data	Company was reseller but since has gone bankrupt.
Wired Towns	4	N/A	Non-Responsive	Not a broadband provider
WiSpring, Inc.	4	N/A	Non-Responsive	Not a broadband provider in NY, no response to Webster/Roberts
WNYNet	1	Broadband	Non-Responsive	out of business
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	Provided 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.