

Massachusetts Broadband Data Changes and Corrections June 30, 2014 Data

Changes:

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

- **Country Road Networks, Inc.:** Increased speeds and added middle mile locations.
- **AT&T Mobility LLC:** Continued filling in service gaps in HSPA, HSPA+ and LTE services in southeastern, central and western MA, leaving only small unserved pockets in the western part of the state. LTE service is also now available in Broadband Personal Communications Services (PCS) and Advanced Wireless Services (AWS) spectrums.
- **Charter Communications Inc.:** Southeastern MA infrastructure was upgraded, so all of MA is now DOCSIS 3.9 and speeds in the SE region increased to match the rest of the state.
- **Level 3 Communications, LLC:** Minor census block expansion as a result of new customers.
- **MetroPCS:** Service area was expanded, based on the coverage map on their web site, particularly on the Cape & Islands and in western and central MA. Although they merged with T-Mobile, they are currently still operating as MetroPCS, but expect to shut down by the end of 2014.
- **Norwood Light Broadband:** Upgraded to cable DOCSIS 3.0 and increased speeds.
- **PMLDnet.com:** Increased download speed and decreased upload speed for town-wide unlicensed spectrum service and increased upload speed for 3.65 GHz service. Also added a higher speed mountain top line-of-sight service area for unlicensed spectrum.
- **Sprint:** Some 4G LTE expansion in more populated parts of central and western MA and filling in service gaps in eastern MA coverage.
- **T-Mobile:** Expanded LTE & U1900 services, primarily in central MA. Minor HSPA expansion in central MA and Nantucket and various other corrections or propagation modeling differences. Also removed 3 middle mile interconnection points.
- **Verizon:** Added 2 middle mile interconnection points. Verizon also indicated that they would provide locations where fiber speeds increased to speed tier 10, but was not able to provide them prior to the October 1 submission date.
- **Verizon Wireless:** 3G CDMA service is no longer available in the AWS spectrum; however, there was significant expansion in the 4G LTE service using the AWS spectrum. There was also slight expansion of the other services, primarily in central and western MA.
- **Warwick Broadband Service:** Added 3.65 GHz spectrum service area and increased unlicensed spectrum speeds.
- **WiSpring:** Expanded unlicensed 900 MHz fixed wireless to include a service area from a new tower in the Town of Tyngham.

Corrections:

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

- **BELD Broadband:** Correct end user type to residential and business, rather than just residential.
- **Cogent Communications:** Provider is new in this submission, but their services are not.
- **Comcast:** Added and removed census blocks and road segments based on updated cable strand location information in select western and central MA towns, as well as various other statewide corrections from the provider.
- **FairPoint Communications:** Roads and census blocks added as the result of improved address geocoding. All addresses existed in previous rounds.
- **netBlazr:** Provider is new in this submission, but their services are not. However, they report that they are expanding rapidly.
- **PMLDnet.com:** Corrected transmission technology for 3.65 GHz spectrum from unlicensed to licensed fixed wireless.

- **RCN:** Major correction to (expansion of) their Other Copper Wireline footprint, which filled in the service areas and now corresponds more closely to their cable footprint. Increased all Other Copper Wireline speeds to the highest speed tier to reflect service offerings, rather than subscription speeds as in the past, and changed the end user to residential and business.
- **TMLP Online:** Provider is new in this submission, but their services are not. Additional business only service areas not identified yet.
- **Russell Municipal Cable T.V.:** Reduced the maximum speeds after clarifying that while their system is capable of 28 Mbps, residents are currently only offered 5 Mbps symmetrical service. They plan on expanding their internet pipe sometime this fall and hope to start offering services at 5, 10 & 15 Mbps.
- **USAT:** Provider is new in this submission, but their services are not.
- **Verizon:** Minor fiber and DSL corrections throughout the state.
- **Warwick Broadband Service:** Found and added an FCC Registration Number for this provider.

Additional Notes:

- There may be insignificant changes to data from other providers, including the removal of non-contiguous wireless service areas less than 1/8 of a square mile, clipping areas to the state boundary or changes to wireless propagation modeling methodologies.
- The following 4 service providers were added in this round, as noted in the Corrections section above: Cogent Communications, netBlazr, TMLP Online and USAT Corp.

Changes in Record Counts:

Summary difference between the number of records in the current data submission and the previous data submission. Only those providers with record count differences are shown.

Filing Company DBA	TransTech Code	Census Block Changes	Road Segment Changes	Wireless Changes	Middle Mile Changes
AT&T Mobility LLC	80			2	
Charter Communications Inc.	40	538	171		
Charter Communications Inc.	41	-538	-171		
Cogent Communications	50	74			
Comcast	40	656	160		
Country Road Networks, Inc.	70				2
FairPoint Communications	10	9	41		
Level 3 Communications, LLC	50	9			
netBlazr	70			1	
PMLDnet.com	71			1	
RCN	30	5,575			
RCN	40	21			
TMLP Online	50	22			
T-Mobile	80				-3
USAT	80			4	

Filing Company DBA	TransTech Code	Census Block Changes	Road Segment Changes	Wireless Changes	Middle Mile Changes
Verizon	10	151	-3		
Verizon	50	85	23		
Verizon	-9999				2
Verizon Wireless	80			-1	
Warwick Broadband Service	71			1	