



Debra P. Dexter  
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Federal Regulatory and Legal Affairs

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December 19, 2018

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street, SW  
Washington, DC 20554

**Re: Verizon Public Notice of Network Change(s), 47 C.F.R. §§51.325 – 51.335**  
**Copper Retirement ID No. 2018-04-A-MA**

Dear Ms. Dortch:

Pursuant to Sections 51.325 – 51.335 of the Commission's rules, Verizon hereby submits the attached: Certification of Public Notice of Network Change under rule 51.329(a); Public Notice of Copper Retirement under rule 51.333; and Certification of Public Notice of Copper Retirement under rule 51.333. Specifically, Verizon is providing notification of the replacement of copper distribution and loop facilities with fiber-to-the-premises facilities at specific locations in the Bowdoin, MA wire centers. Upon completion, Verizon will provide services available over its fiber optic network.

The majority of customers served by copper at these locations purchase "plain old telephone service." Following transition to fiber, Verizon will continue to offer these customers the same POTS over fiber at the same price as they received on copper facilities, with no change in the underlying features and functionalities in their service.

There may be one or more obsolete, narrowband services (such as certain DS0 level services) that are incompatible with or unavailable over fiber. If so, we will work closely with those customers to address their particular needs.

Please contact me should you need any further information.

Sincerely,

A handwritten signature in black ink, appearing to read "Debra P. Dexter", with a stylized flourish at the end.

**CERTIFICATION OF PUBLIC NOTICE OF NETWORK  
CHANGE UNDER RULE 51.329(a)**

On December 12, 2018 (5 business days prior to FCC filing), the following Public Notice of Network Change has been made by Verizon pursuant to 47 C.F.R. §§ 51.325 – 51.335.

The Public Notice(s) may also be viewed on Verizon's website at:  
<http://www.verizon.com/about/terms-conditions/network-disclosures>

Title(s) of Network Notification(s):  
Copper Retirement ID No. 2018-04-A-MA

**Michael Warnken**  
**Specialist – Communications**  
Verizon Partner Solutions  
Telephone: 631-569-3318  
Date: 12/12/18



6929 N. Lakewood Avenue  
Tulsa, OK 74117

**PUBLIC NOTICE OF COPPER RETIREMENT UNDER RULE 51.333**  
**Copper Retirement ID No. 2018-04-A-MA**

December 12, 2018

**Carrier:** Verizon New England Inc., 6 Bowdoin Square, 9<sup>th</sup> Floor, Boston, MA 02114

**Contact:** For additional information on these planned network changes, please contact:

Janet Gazlay Martin

Director – Network Transformation

Verizon Communications

230 W. 36<sup>th</sup> Street, Room 802

New York, NY 10018

1-844-881-4693

**Implementation Date:** On or after May 3, 2019

**Planned Network Change(s) will occur at specified locations in the following wire center in MA. Exhibit A provides the list of addresses associated with the following wire center.**

Wire Center	Address	CLLI
BOWDOIN MA	6 Bowdoin Square, Boston, MA 02114	BSTNMABO

**All of Verizon's copper retirement notices may be viewed on Verizon's website at <http://www.verizon.com/about/terms-conditions/network-disclosures>**

**Description of the planned network change(s):**

Verizon intends to retire the copper facilities at specified addresses in the Bowdoin, MA wire center. Verizon has deployed or plans to deploy its fiber-to-the-premises network in these areas and intends to provide services over a fiber network infrastructure. Updating our network from copper to fiber benefits our customers because of fiber's resiliency and reliability, especially in inclement weather. Fiber also provides our customers with expanded capabilities to grow with current bandwidth demands for their home or business.

**Description of reasonably foreseeable impact(s) of the planned change(s):**

After the retirement of the copper facilities, Verizon will: (1) no longer offer services over copper facilities; and (2) cease maintaining the copper facilities. To help ensure an orderly transition, Verizon may require customers and interconnecting entities to migrate services off of copper facilities well before the copper retirement implementation date.

**EXHIBIT A**  
**Copper Retirement ID No. 2018-04-A-MA**  
**The copper facilities associated with the following addresses served by**  
**Verizon's wire center located at 6 Bowdoin Square, Boston, MA 02114;**  
**CLLI: BSTNMABO (Bowdoin)**

Community	Street	Building Number
BOWDOIN	ATLANTIC AV	65
BOWDOIN	ATLANTIC AV	100, 101, 107, 111, 117, 191, 198, 2, 200, 206, 246, 266, 270, 28, 32, 63, 65, 80, 83, 84, 85
BOWDOIN	BATTERY	40, 50
BOWDOIN	BATTERY WHF	2, 3
BOWDOIN	CENTRAL WHF	1
BOWDOIN	COMMERCIAL	145, 236, 300, 328, 338, 342, 343, 348, 357, 361, 366, 368, 376, 395, 47, 60, 89
BOWDOIN	COMMERCIAL WHF E	34, 43, 47, 49, 60, 63, 64, 95
BOWDOIN	COMMERCIAL WHF W	1, 10, 14
BOWDOIN	E INDIA ROW	65, 70, 85, 90
BOWDOIN	LEWIS WHF	1, 118, 125, 129, 14, 214, 218, 221, 224, 233, 240, 333, 435, 536, 538, 627, 639, 640, 659
BOWDOIN	LONG WHARF ROW	63, 67
BOWDOIN	LONG WHF	60, 66
BOWDOIN	NORTH ST	350, 374, 376
BOWDOIN	POWERS CT	7
BOWDOIN	SALUTATION	25, 39
BOWDOIN	STATE	210, 245, 255, 296
BOWDOIN	UNION WHF	106, 107, 108, 11, 113, 17, 30, 404, 405

**CERTIFICATION OF PUBLIC NOTICE OF  
COPPER RETIREMENT UNDER RULE 51.333**

I, Peter Eger, do hereby certify that on December 12, 2018 (a minimum of five business days prior to filing with the Commission), I caused Verizon's Public Notice of Copper Retirement Under Rule 51.333 to be served upon each telephone exchange service provider that directly interconnects with Verizon's network in the applicable area(s). Attached are the names and addresses of those providers who were served.

The Public Notice(s) may also be viewed on Verizon's website at:  
<http://www.verizon.com/about/terms-conditions/network-disclosures>

Title(s) of Network Notification(s):  
Copper Retirement ID No. 2018-04-A-MA

***Peter Eger***

**Peter Eger**  
**Manager – Contract Management**  
Verizon Partner Solutions  
Telephone: 914-801-9932  
Date: 12/12/18

<u>Customer Legal Entity Name</u>	<u>Address line 1</u>	<u>Address line 2</u>	<u>City</u>	<u>State</u>	<u>ZIP</u>
365 Wireless LLC	2870 Peachtree Rd	Suite 951	Atlanta	GA	30305
AboveNet Communications Inc.	1805 29th St., Ste. 2050		Boulder	CO	80301
Access 2000	1241 West Chester Pike		West Chester	PA	19382
Access Point, Inc.	1100 Crescent Green, Suite 109		Cary	NC	27518
Acecape	277 Broadway Suite 807		New York	NY	10007
ACN Communication Services, LLC	1000 Progress Place		Concord	NC	28025
ACN Communication Services, LLC	1000 Progress Place		Concord	NC	28025
ACN Communication Services, LLC	1000 Progress Place NE		Concord	NC	28025
Airus, Inc.	840 S. Canal Street	7th Floor	Chicago	IL	60607
Airus, Inc.	840 S. Canal Street	7th Floor	Chicago	IL	60607
Allied Telecom Group, L.L.C.	1400 Crystal Dr., Ste. 700		Arlington	VA	22202
Allied Telecom Group, L.L.C.	1400 Crystal Dr., Ste. 700		Arlington	VA	22202
America Online, Inc.	22000 AOL Way		Dulles	VA	20166
American Messaging Services, LLC	1720 Lakepointe Dr., Ste. 100		Lewisville	TX	75057
American Telesis	200 East 7th Street, Suite 201		Loveland	CO	80537
Aquis Wireless Communications Inc.	1720 Lakepointe Dr., Ste. 100		Lewisville	TX	75057
Arrival Communications Inc.	515 S. Flower Street	47th Floor	Los Angeles	CA	90071
Arrival Communications Inc.	515 S. Flower Street	47th Floor	Los Angeles	CA	90071
AT&T Corp.	208 South Akard Street		Dallas	TX	75202
AT&T Corp.	161 Inverness Drive West	Room 474	Englewood	CO	80112
AT&T Corp.	One AT&T Way, RM 2A132		Bedminster	NJ	07921
AT&T Corp.	311 S. Ackard	Room 660	Dallas	TX	75202
AT&T Corp.	3600 Aynor Drive		Mitchellville	MD	20721
AT&T Corp.	3600 Aynor Dr.		Mitchellville	MD	20721
AT&T Corp.	208 S. Ackard St.		Dallas	TX	75202
AT&T Corp.	30 Knightsbridge Rd., Rm. 32C269A		Piscataway	NJ	08854
AT&T Internet Services	308 S Akard Street, Room 1520		Dallas	TX	75202
Atlas Business Communications, Inc. dba Atlas Broadband	25020 Avenue Stanford #20		Valencia	CA	91355
Bandwidth, Inc.	900 Main Campus Drive, Suite 500		Raleigh	NC	27606
Barr Tell USA, Inc.	218 East Park Ave., Ste. 522		Long Beach	NY	11561
BCM One, Inc.	521 5th Avenue, Fl 14		New York	NY	10175
BCM One, Inc.	521 5th Ave, Fl 14		New York	NY	10175
BCM One, Inc.	521 5th Avenue, Fl 14		New York	NY	10175
BCN Telecom, Inc.	1200 Mt. Kemble Ave., Floor 3		Morristown	NJ	07960
BCN Telecom, Inc.	1200 Mt. Kemble Ave., Floor 3		Morristown	NJ	07960
Bell Atlantic Communications, Inc. and NYNEX Long Distance Company	6665 N. MacArthur Blvd., HQK02D78		Irving	TX	75039
BellSouth BSE Incorporated	400 Perimeter Center Terrace	Suite 400	Atlanta	GA	30346
Berkshire County Network	17 Depot St		Adams	MA	01220
BestWeb Corp.	25 South Riverside Av		Croton	NY	10520
Billing Concepts, Inc., ACI Billing Services, Inc., Enhanced Services Billing, Inc., and	7411 John Smith Dr., Ste. 1500		San Antonio	TX	78229
Billing Concepts, Inc., ACI Billing Services, Inc., Enhanced Services Billing, Inc., and	7411 John Smith Dr., Ste. 1500		San Antonio	TX	78229
Birch Telecom of Texas, LTD., L.L.P. and Birch Communications, Inc.	320 Interstate North Parkway		atlanta	GA	30339
Block Line Systems, LLC	1645 West Chester Pike	Suite 200	West Chester	PA	19382
Block Line Systems, LLC	3050 K Street, NW, Suite 400		Washington	DC	20007
Block Line Systems, LLC	1645 West Chester Pike		West Chester	PA	19382
Brightlink Communications, L.L.C.	2970 Peachtree Rd., Suite 300		Atlanta	GA	30305

<u>Customer Legal Entity Name</u>	<u>Address line 1</u>	<u>Address line 2</u>	<u>City</u>	<u>State</u>	<u>ZIP</u>
Broadview A.R.C. Networks, Inc., Broadview Networks, Inc., Eureka Telecom, Inc	800 Westchester Ave., Ste. N-501		Rye Brook	NY	10573
Broadview A.R.C. Networks, Inc., Broadview Networks, Inc., Eureka Telecom, Inc	330 Monroe Avenue		Rochester	NY	14607
Broadview Networks, Inc.	1018 West Ninth Avenue		King of Prussia	PA	19406
Broadview Networks, Inc. and Broadview Networks of Virginia Inc.	800 Westchester Ave, Suite 501		Ryebrook	NY	10573
Broadvox-CLEC LLC	36 South Franklin St.		Chagrin Falls	OH	44022
Broadvox-CLEC LLC	75 Erieview Plaza, Suite 400		Cleveland	OH	44114
Budget PrePay, Inc.	1325 Barksdale Blvd, Suite 200		Bossier City	LA	71111
BullsEye Telecom, Inc.	25925 Telegraph Road, Suite 210		Southfield	MI	48033
BullsEye Telecom, Inc.	25925 Telegraph Road, Suite 210		Southfield	MI	48033
Business Automation Technologies, Inc.	116 Oceanport Ave., Bldg 1		Little Silver	NJ	07739
Business Telecom, Inc.	7037 Old Madison Pike Rd.	Suite 400	Huntsville	AL	35806
Business Telecom, Inc.	330 Monroe Avenue		Rochester	NY	14607
Cape.com, Inc.	315 Pleasant St		Fall River	MA	02790
Cavalier Telephone, LLC	4001 N Rodney Parham	Mailstop: B1F03-71A	Little Rock	AR	72212
Cavalier Telephone, LLC	330 Monroe Avenue		Rochester	NY	14607
Cavalier Telephone, LLC	4001 N Rodney Parham	Mailstop: B1F02-12A	Little Rock	AR	72212
Cbeyond Communications, LLC	695 Route 46 W	Suite 200	Fairfield	NJ	07004
CBL Consulting LLC	55 Washington Ave	Ste 321	Brooklyn	NY	11201
CCG Communications, LLC	321 Walnut Street, Suite 170		Newton	MA	02460
Cellco Partnership	5055 North Point Parkway		Alpharetta	GA	30022
Chester County Internet Service	119 N. High Street		West Chester	PA	19380
Choice One Communications of Massachusetts Inc.	330 Monroe Avenue		Rochester	NY	14607
Choice One Communications of Massachusetts Inc.	330 Monroe Avenue		Rochester	NY	14607
Choice One Communications of Massachusetts Inc.	1170 Peachtree Street	Suite 900	Atlanta	GA	30309
Cincinnati Bell Extended Territories, LLC	221 E. 4th Street, Suite 103-705		Cincinnati	OH	45202
Clear Rate Communications, Inc.	2600 W. Big Beaver Road	Suite 450	Troy	MI	48084
Cloud 9 Internet, Inc.	222 Bloomingdale Road	Suite 403	White Plains	NY	10605
CO Space Services LLC	250 Williams Street	Suite E100	Atlanta	GA	30303
Coastal Internet Access Inc.	1 Skyline Drive	P.O. Box 626	Nantucket	MA	02554
Comcast IP Phone, LLC	One Comcast Center, 55th Floor		Philadelphia	PA	19103
Comcast IP Phone, LLC	One Comcast Center, 55th Floor		Philadelphia	PA	19103
Commrail, Inc.	12444 Powerscourt Drive	Suite 450	St Louis	MO	63131
Commrail, Inc.	34 St Martin Drive		Marlborough	MA	01752
Consolidated Communications Enterprise Services, Inc.	121 S. 17th St.		Matoon	IL	61938
Consolidated Communications Enterprise Services, Inc.	350 South Loop 336 W		Conroe	TX	77304
Consolidated Communications Enterprise Services, Inc.	212 Locust St. Suite 600		Harrisburg	PA	17101
ConvergeOne Technology Utilities, Inc.	1221 Avenue of the Americas		New York	NY	10020
Cooperative Communications Inc.	412-420 Washington Ave.		Belleville	NJ	07109
Cooperative Communications, Inc.	412-420 Washington Ave.		Belleville	NJ	07109
CoreTel Massachusetts Inc.	209 West Street	Suite 302	Annapolis	MD	21401
Crown Media Group	902 47th St		Brooklyn	NY	11219
CTC Communications Corp.	330 Monroe Avenue		Rochester	NY	14607
CTSI, LLC	401 Merritt 7		Norwalk	CT	06851
CTSI, LLC	100 CTE Drive		Dallas	TX	18612
Cumberland Technologies	5170 East Trindle Rd		Mechanicsburg	PA	17050
Cutter Communications, Inc.	555 N. Henry Hynds Expressway		Van Alstyne	TX	75495

<u>Customer Legal Entity Name</u>	<u>Address line 1</u>	<u>Address line 2</u>	<u>City</u>	<u>State</u>	<u>ZIP</u>
CyberNet Communications, Inc.	7750 Gloria Ave.		Van Nuys	CA	91406
DCA Net	1204 West St		Wilmington	DE	19801
Dell, Inc.	172 Spring St.		Newton	NJ	07860
DeltaCom, LLC	7037 Old Madison Pike	Suite 400	Huntsville	AL	35806
DeltaCom, LLC	330 Monroe Avenue		Rochester	NY	14607
DFT Local Service Corporation	40 Temple Street		Fredonia	NY	14063
DIAD Networks Limited Liability Company	725 Vasser Ave		Lakewood	NJ	08701
DIRECTV, Inc.	One Rockefeller Plaza		New York	NY	10020
DSCI, LLC	1 Sundial Ave, Suite 414		Manchester	NH	03103
DSL Extreme	21018 Osborne St	#2	Canoga Park	CA	91304
Dynalink Communications, Inc.	11 Broadway, #200		New York	NY	10004
Dynalink Communications, Inc.	927 McDonald Ave		Brooklyn	NY	11218
Dynalink Communications, Inc.	927 McDonald Ave		Brooklyn	NY	11218
EarthLink (see Notes for complete CLE)	330 Monroe Avenue		Rochester	NY	14607
EarthLink Business, LLC	3000 Columbia House Blvd.	Suite 106	Vancouver	WA	98661
EarthLink, Inc.	1375 Peachtree Street		Atlanta	GA	30309
Easton Telecom Services LLC	3046 Brecksville Road	Summit II	Richfield	OH	44286
Enhanced Communications Network, Inc.	9550 Flair Dr., Ste. 400		El Monte	CA	91731
Entelegant Solutions Inc.	3800 Arco Corporate Drive	Suite 310	Charlotte	NC	28273
Entelegant Solutions, Inc.	3800 Arco Corporate Drive	Suite 310	Charlotte	NC	28273
Entelegant Solutions, Inc.	3800 Arco Corp Dr, Ste 310		Charlotte	NC	28273
Enter.Net, Inc.	815 N. 12th St		Allentown	PA	18102
Equal Access Networks LLC	225 Kenneth Drive		Rochester	NY	14623
Equal Access Networks LLC	251 Exchange Place		Herndon	VA	20170
Ernest Communications, Inc.	5275 Triangle Parkway	Suite 150	Norcross	GA	30092
EvenLink, LLC	PO Box 170		Sunbury	PA	17801
Expereo USA, Inc.	200 Edmund Halley Drive, Suite 120		Reston	VA	20191
FastNetIT.com	1204 West St		Wilmington	DE	19801
First Communications, LLC	3340 West Market St.		Akron	OH	44333
First Communications, LLC	3340 West Market Street		Akron	OH	44333
Freedom Ring Communications LLC	359 Corporate Drive		Portsmouth	NH	03801-2888
Frontier West Virginia Inc.	120 North Plymouth Avenue	3rd Floor	Rochester	NY	14608
Frontier West Virginia Inc.	401 Merritt 7		Norwalk	CT	06851
Full Service Network L.P.	600 Grant Street, Ste. 3075		Pittsburgh	PA	15219
Full Service Network LP	600 Grant St		Pittsburgh	PA	15219
Fusion Telecommunications International, Inc.	695 Route 46 W, Suite 200		Fairfield	NJ	07004
Fusion Telecommunications International, Inc.	695 Route 46 W, Suite 200		Fairfield	NJ	07004
GC Pivotal, LLC d/b/a Global Capacity	7600 East Orchard Road		Greenwood Villa	CO	80111
Global Connection Inc. of America	5555 Oakbrook Parkway	Suite 620	Norcross	GA	30093
Global Crossing Local Services, Inc. and Global Crossing Telemanagement VA, LLC	1025 Eldorado Blvd		Brookfield	CO	80021
Global Crossing Local Services, Inc. and Global Crossing Telemanagement VA, LLC	1025 Eldorado Blvd		Brookfield	CO	80021
Global Crossing Local Services, Inc. and Global Crossing Telemanagement VA, LLC	1025 Eldorado Blvd		Brookfield	CO	80021
Global Telcom Inc.	PO Box 805		Morristown	NJ	07963
GOES Telecom Inc.	271 Main Street	Suite C	Hackettstown	NJ	07840-2032
Granby Telephone and Telegraph Company	56 Campus Dr		New Gloucester	ME	04260
Granby Telephone and Telegraph Company	56 Campus Dr		New Gloucester	ME	04260



<u>Customer Legal Entity Name</u>	<u>Address line 1</u>	<u>Address line 2</u>	<u>City</u>	<u>State</u>	<u>ZIP</u>
Granby Telephone, LLC	215 W. State St.		Granby	MA	01033
Granite Telecommunications LLC	100 Newport Avenue Ext.		Quincy	MA	02171
Granite Telecommunications LLC	100 Newport Avenue Ext.		Quincy	MA	02171
Granite Telecommunications, LLC	100 Newport Avenue Ext.		Quincy	MA	02171
Granite Telecommunications, LLC	100 Newport Avenue Ext.		Quincy	MA	02171
GTE.NET LLC and VERIZON INTERNET SOLUTIONS, INC.	4055 Corporate Dr., Ste. 400	Room 1M06	Grapevine	TX	76051
GTT Americas, LLC	1835-B Kramer Lane, Ste. 100		Austin	TX	78758
GTT Americas, LLC	7900 Tysons Once Place	Suite 1450	McLean	VA	22102
Hammer Fiber Optic Investments Ltd	714 East Main Street	Suite 1B	Moorestown	NJ	08057
Hyperion Telecommunications Inc.	1025 Eldorado Blvd.		Broomfield	CO	80021
Idearc Media Corp.	PO Box 619810	MC 75261	Irving/Ft. Worth Ai	TX	75261
Idearc Media Corp.	5601 Executive Drive	Room 4000, MC 22	Irving	TX	75038
IDT America Corp.	550 Broad Street		Newark	NJ	07102
IDT America Corp.	550 Broad Street, Fl 4		Newark	NJ	07102
Impulse Internet Services	5383 Hollister Ave	Ste 240	Santa Barbara	CA	93111
Infinity Internet, Inc.	1101 SE Tech Center Dr	Ste 150	Vancouver	WA	98683
Information Boulevard Internet Service	180 Main St		Hornell	NY	14843
InterGlobe Communications, Inc.	101 Tyrellan Ave., Fl 1		Staten Island	NY	10309
InterMetro Communications, Inc.	2685 Park Center Drive	Building A	Simi Valley	CA	93065
Internet Junction Corporation	PO Box 371		Ozona	FL	34660-0371
Invision.Com, Inc.	47 Mall Dr		Commack	NY	11725
IPASS INC.	3800 Bridge Parkway		Redwood Shore	CA	94065
Jay Telecom, Inc	2 Parker Blvd.		Monsey	NY	10952
KMC Telecom II Inc.	4910 Corporate Drive	Suite C	Huntsville,	AL	35805
Lan2Wan Internet	1278 Glenneyre Street	Suite 227	Laguna Beach	CA	92651
Lightship Telecom LLC	330 Monroe Avenue		Rochester	NY	14607
Lightspeed CLEC, Inc.	14140 Tamiami Trail		North Port	FL	34287
Limotta Internet Technologies	320 Alisal Rd	#101	Solvang	CA	93463
Local ISP, Inc.	200 Atlantic Ave		Manasquan	NJ	08736
Lynchburg Computer Systems, Inc.	7605 Timberlake Road		Lynchburg	VA	24502
Magna5 LLC	5445 Legacy Drive	Suite 180	Plano	TX	75024
Magna5 LLC	5445 LEGACY DR, Suite 180		Plano	TX	75024
Manhattan Telecommunications Corporation	55 Water St., Fl 32		New York	NY	10041
Manhattan Telecommunications Corporation	55 Water St., Fl 32		New York	NY	10041
Manhattan Telecommunications Corporation	55 Water St., Fl 32		New York	NY	10041
Manhattan Telecommunications Corporation	55 Water St., Fl 32		New York	NY	10041
Manhattan Telecommunications Corporation	55 Water St., Fl 32		New York	NY	10041
Massachusetts Local Telephone Company	1953 Dorchester Avenue		Dorchester	MA	02124
Matrix Telecom, LLC	433 E. Las Colinas Blvd.	Suite 500	Irving	TX	75039
Matrix Telecom, LLC	433 E. Las Colinas Blvd.	Suite 500	Irving	TX	75039
Maxsip Telecom Corporation	PO Box 465		Cedarhurst	NY	11516
MCImetro Access Transmission Services LLC, MCImetro Access Transmission Ser	1320 North Court House Road	9th Floor	Arlington	VA	22201
MCImetro Access Transmission Services LLC, MCImetro Access Transmission Ser	One Verizon Way	02 Floor Room VC22E009	Basking Ridge	NJ	07920
McLeodUSA Telecommunications Services Inc.	330 Monroe Avenue		Rochester	NY	14607
MCSP, Inc.	1278 Glenneyre	#277	Laguna Beach	CA	92651
MegaNet Communications	315 Pleasant St		Fall River	MA	02721

<u>Customer Legal Entity Name</u>	<u>Address line 1</u>	<u>Address line 2</u>	<u>City</u>	<u>State</u>	<u>ZIP</u>
Metrocall Inc.	3000 Technology Dr.		Plano	TX	75074
Mezco L.L.C.	4274 Enfield Court, Ste 1600		Palm Harbor	FL	34685
Mikrotec Communications of Virginia, LLC	20 Laynesville Rd.		Harold	KY	41635
Millicorp	4415 North Metro Pkwy	Ste 325	Fort Myers	FL	33916
MM Internet Inc.	3780 Kilroy Airport Way	Ste 410	Long Beach	CA	90806
MM Internet Inc.	3780 Kilroy Airport Way, Ste. 410		Long Beach	CA	90806
Monmouth Telephone & Telegraph, Inc.	10 Dr. James Parker Blvd.	Suite 110	Red Bank	NJ	07701
Monmouth Telephone and Telegraph, Inc.	1919 Pennsylvania Avenue, NW	Suite 200	Washington	DC	20006
Mosaic Networks, LLC	700 Larkspur Landing Cir. #214		Larkspur	CA	94939
Mountain Communications, LLC	Rt 3, Box 69G		Bruce Mill	WV	26525
NEON Connect, Inc.	80 Central Street		Boxborough	MA	01719
NEON Connect, Inc.	80 Central Street		Boxborough	MA	01719
Netcarrier Telecom, Inc.	4000 N. Cannon Ave.		Lansdale	PA	19446
NetFortris Acquisition Co., Inc.	800 S. Michigan St.		Seattle	WA	98108
NetLojix Communications, Inc.	501 Bath St.		Santa Barbara	CA	93101
Network Telephone Corporation	330 Monroe Avenue		Rochester	NY	14607
Network Telephone Corporation	3300 N. Pace Boulevard		Pensacola	FL	32505
Network Telephone Corporation	Morrocroft III	6801 Morrison Boulevard	Charlotte	NC	28211
Networks Online, LLC	20 W. Wilson Ave.		Girard	OH	44420
New Edge Network Inc.	330 Monroe Avenue		Rochester	NY	14607
New Edge Network Inc.	3000 Columbia House Blvd.	Suite 106	Vancouver	WA	98661
New Edge Network Inc.	3000 Columbia House Blvd.	Suite 106	Vancouver	WA	98661
New Horizon Communications Corp.	420 Bedford Street, Suite 250		Lexington	MA	02420
New Horizon Communications Corp.	420 Bedford St. Suite 250		Lexington	MA	02420
North Atlantic Networks, LLC	16 Mason Avenue	Suite One	North Attleboro	MA	02760
Northern New England Telephone Operations LLC	1 Davis Farm	2nd Floor	Portland	ME	04103
Northern New England Telephone Operations LLC	1 Davis Farm Road		Portland	ME	04103
Northern New England Telephone Operations LLC	521 E. Morehead St, Ste 250		Charlotte	NC	28202
NTCNet Telecom, Inc.	3077 Bridge Street	PO Box 201	Newport	NY	13416
One Voice Communications, Inc.	45610 Woodland Rd, Ste 250		Sterling	VA	20166
One Voice Communications, Inc.	45610 Woodland Rd, Ste 250		Sterling	VA	20166
Pacific Bell Services	1140 Galaxy Way	Suite 400	Concord	CA	94520
Pacific Bell Telephone Company	4711 Spring Street, Room #117	Room #117	La Mesa	CA	91941
Pacific Bell Telephone Company	2600 Camino Ramon	Suite 2W901	San Ramon	CA	94583
Pacific Bell Telephone Company	100 N. Stoneman Ave.	Room B130	Alhambra	CA	91801
PaCLEC Corporation	333 Oak Lane		Bloomsburg	PA	17815
PaCLEC Corporation	38 S 8th St.		Lebanon	PA	17042-5209
PaeTec Communications Inc.	330 Monroe Avenue		Rochester	NY	14607
PAETEC Communications, Inc.	One PAETEC Plaza	600 Willowbrook Office Park	Fairport	NY	14450
Pay Commander Inc.	212 East Hillsboro Blvd # 253		Deerfield Beach	FL	33441
Pay Commander Inc.	1111 Hypoluxo Road, Suite 201		Lantana	FL	34652
Pronto Networks, Inc.	4637 Chabot Dr., Ste. 350		Pleasanton	CA	94588
QTel, LLC	1250 Connecticut Ave. N.W.	Suite 200	Washington	DC	20036
QTel, LLC	9 Second Road		Great Neck	NY	11021
Quality Speaks, LLC	9221 Corbin Avenue	Suite 155	Northridge	CA	91324
Quantum Internet Services, Inc.	2975B Manchester Rd.		Manchester	MD	21102

<u>Customer Legal Entity Name</u>	<u>Address line 1</u>	<u>Address line 2</u>	<u>City</u>	<u>State</u>	<u>ZIP</u>
Quantum Telecommunications, Inc.	1919 Pennsylvania Avenue, N.W.	Suite 200	Washington	DC	20006
Quantum Telecommunications, Inc.	2975B Manchester Rd		Manchester	MD	21102
Quantum Telecommunications, Inc.	2975B Manchester Road		Manchester	MD	21102
QuantumShift Communications, Inc.	12647 Alcosta Blvd., Suite 418		San Ramon	CA	94583
QuantumShift Communications, Inc.	12657 Alcosta Blvd, Ste 418		San Ramon	CA	94583
QuantumShift Communications, Inc.	12657 Alcosta Blvd.		San Ramon	CA	94583
Qwest Communications Company, LLC	4250 N Fairfax Dr		Arlington	VA	22203
Qwest Communications Company, LLC	1801 California St, 9th Floor		Denver	CO	80202
Rapid Systems, Inc.	1121 N. West Shore Blvd.	Suite 711	Tampa	FL	33607
RCN Telecom Services Inc.	650 College Road East, Ste. 3100		Princeton	NJ	08540
RCN Telecom Services Inc.	650 College Road East, Ste. 3100		Princeton	NJ	08540
Reynwood Communications of NY/NJ LLC	409 South Street	Suite 1128	Eatontown	NJ	07724-9998
Richmond Telephone Company	2 Third St.		Troy	NY	12180
Richmond Telephone Company	2 Third St.		Troy	NY	12180
Rural Broadband Now!, LLC	PO Box 14038		Santa Rosa	CA	95404
Savecom Telecom Inc.	709 Church Street		Brooklyn	NY	11218
Smart Choice Communications, LLC	16 West 45th Street	7th Floor	New York	NY	10036
SNiP Internet & Telecom	100A Twin Bridge Dr.		Pennsauken	NJ	08110
South Maryland Internet, Inc.	PO Box 405		Prince Frederick	MD	20678
South Valley Internet	PO Box 1246		San Martin	CA	95046
Southwestern Bell Telephone Company	1440 Empire Central, Ste 230		Dallas	TX	75247
Southwestern Bell Telephone, L.P.	1460 Round Table Dr.		Dallas	TX	75247
Southwestern Bell Telephone, L.P.	One SBC Plaza	Room 3014	Dallas	TX	75202
Spectrotel Holding Company, LLC	3535 State Highway 66, Bldg Y7		Neptune City	NJ	07753
Spectrotel Holding Company, LLC	3535 State Highway 66, Bldg Y7		Neptune City	NJ	07753
Spectrotel, Inc.	3535 State Highway 66	Suite 7	Neptune	NJ	07753
Spectrotel, Inc.	555 11th Street, NW, Suite 1000		Washington	DC	20004
Sprint Communications Company L.P.	6100 Sprint Pkwy	MC: KSOPHK0310-3A452	Overland Park	KS	66251
Sprint Communications Company L.P.	6100 Sprint Pkwy	MC: KSOPHK0310-3A450	Overland Park	KS	66251
Sprint Spectrum, L.P.	6240 Sprint Parkway	KSOPHC0106 - 1A153	Overland Park	KS	66251
Sprint Spectrum, L.P.	P O Box 7966		Overland Park	KS	66251
Sterling Telecommunications, L.L.C.	242 Beverly Road		Juntington Station	NY	11746
Synergem Technologies, Inc.	523 South Stephens Street		Pilot Mountain	NC	27041
Talk America Inc.	330 Monroe Avenue		Rochester	NY	14607
Talphone Inc.	1341 40th Street		Brooklyn	NY	11218
Tampa Bay DSL, Inc.	5151 W. Rio Vista Ave.		Tampa	FL	33634
Tata Communications (America) Inc.	2355 Dulles Corner Boulevard	Suite 700	Herndon	VA	20171
Tel West Communications LLC	9606 N. Mopac Expressway	Suite 700	Austin	TX	78759
Telephone Operating Company of Vermont LLC	1 Davis Farm Road		Portland	ME	04103
Texas Hearing Services Corporation	1213 E. Alton Gloor Blvd.	Suite F	Brownsville	TX	78526
T-Mobile Northeast LLC	12920 SE 38th Street		Bellevue	WA	98006
T-Mobile Northeast LLC	12920 SE 38th Street		Bellevue	WA	98006
T-Mobile USA, Inc.	12920 SE 38th Street		Bellevue	WA	98006
T-Mobile USA, Inc.	12920 SE 38th Street		Bellevue	WA	98006
TNCI Operating Company LLC	114 E. Haley St., Ste. I		Santa Barbara	CA	93101
Transbeam Inc.	8 West 38th Street	Floor 7	New York	NY	10018

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TVC Albany, Inc.	41 State Street		Albany	NY	12207
United Communications Systems Inc.	123 N. Wacker Dr., Fl. 7		Chicago	IL	60606
United Online, Inc.	21255 Burbank Boulevard	Suite 400	Woodland Hills	CA	91367
United Online, Inc.	21255 Burbank Boulevard	Suite 400	Woodland Hills	CA	91367
United Systems Access Telecom, Inc.	11 Main Street	Suite 4	Kennebunk	ME	04043
US Xchange of Indiana, L.L.C.	330 Monroe Avenue		Rochester	NY	14607
VDL Inc.	PO Box 568		Owings Mills	MD	21117
VDL Inc.	500 Redland Court, Suite 309		Owings Mills	MD	21117
Velocity Network, Inc.	2503 West 15th St.		Erie	PA	16505
Verizon Affiliates	600 Hidden Ridge	MailCode: HQE02G72	Irving	TX	75038
Verizon Affiliates	500 2nd Ave.		Cedar Rapids	IA	52401
Verizon Affiliates	3300 E. Renner Rd.		Richardson	TX	75082
Verizon Affiliates	6415-6455 Business Center Dr.		Highlands Ranch	CO	80130
Verizon Business Network Services Inc.	22001 Loudoun County Pkwy	RM C12-601A	Ashburn	VA	20147
Verizon Business Network Services Inc.	22001 Loudoun County Pkwy	RM: F2-4-613	Ashburn	VA	20147
Visicom Group, Inc.	3550 S. Bryant Blvd.		San Angelo	TX	76903
VIXXI Solutions, Inc.	4545 Fuller drive, Suite 416		Irving	TX	75038
Vonage Holdings Corp.	23 Main Street		Holdmel	NJ	07733
Vonage Holdings Corp.	23 Main Street		Holdmel	NJ	07733
Vonage Network LLC	23 Main Street		Holmdel	NJ	07733
Wholesale Carrier Services, Inc.	12350 NW 39th Street		Coral Springs	FL	33065
Wholesale Carrier Services, Inc.	12350 NW 39th Street		Coral Springs	FL	33065
Wholesale Carrier Services, Inc.	5471 N. University Dr.		Coral Springs	FL	33067
Wholesale Carrier Services, Inc.	12350 NW 39th Street		Coral Springs	FL	33065
Widomaker Communication Services	1781 Jamestown Rd., Ste. 180		Williamsburg	VA	23185
WiTel Local Network, LLC	1025 Eldorado Blvd.		Broomfield	CO	80021
Windstream Communications, Inc.	4001 N Rodney Parham Rd,		Little Rock	AR	72212
Windstream Communications, Inc.	330 Monroe Ave		Rochester	NY	14607
Windstream D&E Systems, Inc.	330 Monroe Avenue		Rochester	NY	14607
Wirestar, Inc.	PO BOX 10966		College Station	TX	77842
Worldwide Telecommunications Inc.	4505 Las Virgenes Rd., Suite 115		Calabasas	CA	91302
Xchange Telecom LLC	3611 14th Avenue	Suite 215	Brooklyn	NY	11218
Xchange Telecom LLC	3611 14th Avenue	Suite 215	Brooklyn	NY	11218
XecuNet	5744-R Industry Lane		Frederick	MD	21704
XO Communications Services, Inc.	One Verizon Way, 01 Floor Room VC11		Basking Ridge	NJ	07920
XO Communications Services, Inc.	8851 Sandy Pkwy		Sandy	UT	84070
XTel Communications, Inc.	401 Route 73N, Bldg 10		Marlton	NJ	08053
XTel Communications, Inc.	401 Route 73 North	10 Lake Center Exec Park, Suite	Marlton	NJ	08053
XTel Communications, Inc.	401 Route 73 North	Building 10, Ste 106	Marlton	NJ	08053