

Filer Identification

Section	Question	Response
	Provider Name	TDS TELECOMMUNICATIONS CORPORATION
	Holding Company Name	Telephone and Data Systems, Inc.
Filer Information	SAC ID	100005, 100007, 100010, 100011, 100024, 100031, 100034, 120045, 120047, 120049, 120050, 123321, 140058, 140061, 140062, 150089, 150092, 150114, 150118, 150129, 150133, 170183, 170206, 190217, 190253, 193029, 210338, 220338, 220346, 220351, 220375, 240533, 240535, 240544, 240551, 250284, 250311, 250314, 260411, 260412, 260417, 280448, 283301, 287449, 290559, 290566, 290575, 290578, 300585, 300607, 300613, 300645, 300662, 310672, 310677, 310685, 310726, 310738, 320744, 320776, 320777, 320778, 320788, 320809, 320816, 320829, 320830, 320837, 330844, 330849, 330851, 330856, 330859, 330875, 330880, 330881, 330909, 330914, 330915, 330917, 330930, 330943, 330945, 330952, 330954, 330955, 330958, 330963, 330968, 361350, 361362, 361413, 361433, 361507, 401698, 401699, 431984, 432010, 432034, 452171, 452174, 462184, 462207, 472230, 522404, 522427, 522430, 532404, 542321, 542322, 542323
	499 ID	801201, 801264, 801558, 801561, 801576, 801840, 801945, 802068, 802134, 803232, 804465, 804768, 804819, 805377, 805434, 805437, 805440, 805443, 805446, 805449, 805455, 805461, 805467, 805473, 805479, 805485, 805488, 805560, 805563, 805566, 805569, 805572, 805575, 805578, 805581, 805584, 805585, 805587, 805590, 805593, 805596, 805602, 805866, 806409, 806523, 806526, 806529, 806532, 806535, 806538, 806541, 806544, 806547, 806550, 806553, 806556, 806559, 806565, 806568, 806574, 806577, 806580, 806583, 806586, 806589, 806592, 806598, 806604, 806607, 806610, 806613, 806619, 806622, 806625, 806628, 806631, 806634, 806637, 806766, 806775, 806781, 806784, 806787, 806790, 806793, 806796, 806799, 806802, 806805, 806808, 806814, 806817, 806820, 806823, 806862, 807207, 807810, 807813, 808275, 808374, 808410, 808419, 808425, 809001, 809034, 809218, 809570, 809790
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Emergency Operations Contact	Emergency Operations Name	Network Operations Management

Section	Question	Response
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Data Submitted

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	fixed_ilec_broadband_deployment.csv	Feb 18, 2016 14:43:29	74639
Fixed Broadband Subscription	ilec_data.csv	Feb 22, 2016 10:57:38	6588
Fixed Voice Subscription	ilec_voice.csv	Feb 22, 2016 12:37:01	1514

Fixed Broadband Deployment

Census Block Counts by State, DBA Name and Technology

State	DBA Name	Technology	Blocks
Alabama	TDS TELECOM	ADSL2	
		Asymmetric xDSL	1690
		Optical Carrier/Fiber to the End User	18
		VDSL	487
Arizona	TDS TELECOM	ADSL2	269
		Asymmetric xDSL	374
		VDSL	154

State	DBA Name	Technology	Blocks
Arkansas	TDS TELECOM	ADSL2	249
		Asymmetric xDSL	239
California	TDS TELECOM	ADSL2	101
		Asymmetric xDSL	291
Colorado	TDS TELECOM	VDSL	21
		ADSL2	519
		Asymmetric xDSL	425
Florida	TDS TELECOM	VDSL	365
		ADSL2	610
		Asymmetric xDSL	324
		Optical Carrier/Fiber to the End User	3
Georgia	TDS TELECOM	VDSL	463
		ADSL2	1777
		Asymmetric xDSL	1200
Idaho	TDS TELECOM	Optical Carrier/Fiber to the End User	305
		VDSL	1303
		ADSL2	101
Indiana	TDS TELECOM	Asymmetric xDSL	116
		VDSL	151
		ADSL2	1932
Indiana	TDS TELECOM	Asymmetric xDSL	1608
		Optical Carrier/Fiber to the End User	400

State	DBA Name	Technology	Blocks
Kentucky	TDS TELECOM	VDSL	1062
		ADSL2	697
		Asymmetric xDSL	628
		Optical Carrier/Fiber to the End User	79
		VDSL	236
Maine	TDS TELECOM	ADSL2	976
		Asymmetric xDSL	1164
		Optical Carrier/Fiber to the End User	25
		VDSL	763
		ADSL2	1276
Michigan	TDS TELECOM	Asymmetric xDSL	1127
		Optical Carrier/Fiber to the End User	36
		VDSL	698
		ADSL2	1573
		Asymmetric xDSL	1272
Minnesota	TDS TELECOM	Optical Carrier/Fiber to the End User	326
		VDSL	872
		ADSL2	767
		Asymmetric xDSL	652
		Optical Carrier/Fiber to the End User	22
Mississippi	TDS TELECOM	VDSL	159
		ADSL2	1068
New Hampshire	TDS TELECOM	ADSL2	1068

State	DBA Name	Technology	Blocks
		Asymmetric xDSL	749
		Optical Carrier/Fiber to the End User	1647
		VDSL	538
		ADSL2	1304
New York	TDS TELECOM	Asymmetric xDSL	1175
		VDSL	864
North Carolina	TDS TELECOM	Asymmetric xDSL	1
		ADSL2	757
Ohio	TDS TELECOM	Asymmetric xDSL	698
		VDSL	101
		ADSL2	866
Oklahoma	TDS TELECOM	Asymmetric xDSL	931
		Optical Carrier/Fiber to the End User	31
		VDSL	707
Oregon	TDS TELECOM	Asymmetric xDSL	4
		ADSL2	854
Pennsylvania	TDS TELECOM	Asymmetric xDSL	847
		VDSL	49
		ADSL2	1014
South Carolina	TDS TELECOM	Asymmetric xDSL	772
		VDSL	874
Tennessee	TDS TELECOM	ADSL2	2830

State	DBA Name	Technology	Blocks
		Asymmetric xDSL	3050
		Optical Carrier/Fiber to the End User	1486
		VDSL	1276
		ADSL2	288
Vermont	TDS TELECOM	Asymmetric xDSL	340
		VDSL	164
		ADSL2	345
Virginia	TDS TELECOM	Asymmetric xDSL	568
		Optical Carrier/Fiber to the End User	14
		VDSL	277
		ADSL2	487
Washington	TDS TELECOM	Asymmetric xDSL	417
		Optical Carrier/Fiber to the End User	9
		VDSL	278
		ADSL2	6361
Wisconsin	TDS TELECOM	Asymmetric xDSL	5363
		Optical Carrier/Fiber to the End User	2035
		VDSL	3796
		Total	74639

Fixed Broadband Subscription

Fixed Broadband Subscriptions by State, Technology and End-user Type

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
Alabama	Asymmetric xDSL	205	7332	786	8118
	Optical Carrier/Fiber to the End User	7	17	4	18
	Symmetric xDSL	5	0	26	26
Arizona	Asymmetric xDSL	39	1138	253	1391
Arkansas	Asymmetric xDSL	52	1453	141	1594
California	Asymmetric xDSL	56	1384	52	1436
Colorado	Asymmetric xDSL	58	4654	498	5152
	Asymmetric xDSL	61	3419	305	3724
Florida	Optical Carrier/Fiber to the End User	4	3	3	6
	Symmetric xDSL	13	0	51	51
Georgia	Asymmetric xDSL	246	18727	1423	20150
	Optical Carrier/Fiber to the End User	121	2871	65	2936
	Symmetric xDSL	46	0	204	204
Idaho	Asymmetric xDSL	33	883	57	940
	Asymmetric xDSL	386	12119	760	12879
Indiana	Optical Carrier/Fiber to the End User	54	1121	34	1155
	Symmetric xDSL	32	0	82	82
	Asymmetric xDSL	127	5485	287	5772
Kentucky	Optical Carrier/Fiber to the End User	17	103	3	106
	Symmetric xDSL	8	0	26	26
Maine	Asymmetric xDSL	245	3324	500	3824

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
	Optical Carrier/Fiber to the End User	10	55	2	67
	Symmetric xDSL	26	0	41	41
	Asymmetric xDSL	277	9158	522	9680
Michigan	Optical Carrier/Fiber to the End User	14	45	6	61
	Symmetric xDSL	6	0	10	10
	Asymmetric xDSL	264	9679	1050	10729
Minnesota	Optical Carrier/Fiber to the End User	40	1195	115	1310
	Symmetric xDSL	47	0	130	130
	Asymmetric xDSL	87	2196	300	2496
Mississippi	Optical Carrier/Fiber to the End User	6	11	0	11
	Asymmetric xDSL	221	7563	780	8343
New Hampshire	Optical Carrier/Fiber to the End User	153	6849	136	5985
	Symmetric xDSL	36	0	70	70
	Asymmetric xDSL	180	6352	355	5707
New York	Optical Carrier/Fiber to the End User	1	0	1	1
Ohio	Asymmetric xDSL	100	3433	181	3614
	Asymmetric xDSL	252	6832	541	7373
Oklahoma	Optical Carrier/Fiber to the End User	21	352	8	355
	Symmetric xDSL	12	0	23	23
Oregon	Asymmetric xDSL	2	5	1	6
Pennsylvania	Asymmetric xDSL	66	2102	137	2239

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
South Carolina	Asymmetric xDSL	87	4075	366	4441
	Optical Carrier/Fiber to the End User	2	0	2	2
	Symmetric xDSL	4	0	11	11
Tennessee	Asymmetric xDSL	562	15803	1662	17465
	Optical Carrier/Fiber to the End User	396	17950	441	18391
	Symmetric xDSL	125	0	394	394
Vermont	Asymmetric xDSL	61	2334	200	2534
	Optical Carrier/Fiber to the End User	2	0	2	2
	Symmetric xDSL	6	0	11	11
Virginia	Asymmetric xDSL	54	4313	427	4740
	Optical Carrier/Fiber to the End User	14	54	5	69
	Symmetric xDSL	4	0	17	17
Washington	Asymmetric xDSL	105	6087	270	6357
	Optical Carrier/Fiber to the End User	6	26	0	26
	Symmetric xDSL	8	0	10	10
Wisconsin	Asymmetric xDSL	1054	44934	4491	49425
	Optical Carrier/Fiber to the End User	286	7148	91	7239
	Symmetric xDSL	186	0	739	739
Total		6588	225584	19100	244684

Fixed Broadband Subscriptions by Bandwidths and End-user Type

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
0.256	0.128	25	1	26

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
0.384	0.256	2	6	8
0.512	0.256	43	2	45
0.768	0.512	1030	48	1078
0.786	0.512	646	81	627
1.000	0.512	9574	2	9576
1.500	0.512	8140	1297	9437
1.500	1.500	0	88	88
2.000	2.000	0	22	22
3.000	0.512	11004	830	11834
3.000	3.000	0	1133	1133
4.000	0.512	1098	0	1098
4.000	4.000	0	10	10
5.000	0.512	86849	4184	91033
6.000	0.512	0	54	54
6.000	6.000	0	387	387
7.000	0.768	227	18	245
7.000	0.864	10	5	15
10.000	0.768	694	1617	2311
10.000	2.000	4	144	148
12.000	12.000	0	191	191
15.000	0.768	63195	7371	70566
15.000	2.000	5122	181	5303

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
25.000	2.000	2	978	980
25.000	5.000	7381	7	7388
25.000	10.000	221	167	388
25.000	25.000	0	15	15
50.000	10.000	177	1	178
50.000	20.000	13865	202	14067
50.000	50.000	0	1	1
75.000	30.000	0	26	26
100.000	40.000	300	27	327
100.000	50.000	15482	0	15482
100.000	100.000	0	4	4
300.000	120.000	289	0	289
1000.000	400.000	304	0	304
	Total	225584	19100	244684

Fixed Broadband Subscriptions by Technology, Bandwidths and End-user Type

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
Asymmetric xDSL	0.256	0.128	25	1	26
	0.384	0.256	2	6	8
	0.512	0.256	43	2	45
	0.768	0.512	1030	48	1078
	0.786	0.512	546	80	626
	1.000	0.512	9548	2	9550

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	1.500	0.512	8106	1273	9379
	3.000	0.512	10996	819	11815
	4.000	0.512	1041	0	1041
	5.000	0.512	86141	4076	90217
	6.000	0.512	0	54	54
	7.000	0.768	227	18	245
	10.000	0.768	694	1617	2311
	15.000	0.768	63195	7371	70566
	25.000	2.000	2	978	980
	25.000	5.000	7011	0	7011
	50.000	10.000	177	0	177
	0.786	0.512	0	4	4
	1.000	0.512	26	0	26
	1.500	0.512	34	24	58
	2.000	2.000	0	5	5
	3.000	0.512	8	11	19
Optical Carrier/Fiber to the End User	4.000	0.512	57	0	57
	4.000	4.000	0	4	4
	5.000	0.512	708	108	816
	7.000	0.864	10	5	15
	10.000	2.000	4	144	148
	15.000	2.000	5122	181	5303

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	25.000	5.000	370	7	377
	25.000	10.000	221	167	388
	50.000	10.000	0	4	4
	50.000	20.000	13865	202	14067
	75.000	30.000	0	26	26
	100.000	40.000	300	27	327
	100.000	50.000	15482	0	15482
	300.000	120.000	289	0	289
	1000.000	400.000	304	0	304
	1.500	1.500	0	88	88
	2.000	2.000	0	17	17
	3.000	3.000	0	1133	1133
	4.000	4.000	0	9	9
Symmetric xDSL	6.000	6.000	0	387	387
	12.000	12.000	0	191	191
	25.000	25.000	0	15	15
	50.000	50.000	0	4	4
	100.000	100.000	0	4	4
	Total		225584	19100	244684

Fixed Voice Subscription

VGE Lines and VoIP Subscriptions by State and End-user Type

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Alabama	14302	11826	1167	0

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Arizona	3614	2323	0	0
Arkansas	2683	2152	127	0
California	3770	2709	0	0
Colorado	8006	6602	634	0
Florida	6817	5250	1977	0
Georgia	29560	25149	4005	0
Idaho	1524	1281	63	0
Indiana	18960	16210	1827	0
Kentucky	9286	8027	714	0
Maine	14488	12725	1013	0
Michigan	14551	12691	752	0
Minnesota	18427	14906	9972	0
Mississippi	4579	3671	364	0
New Hampshire	23135	19247	1821	0
New York	11186	9063	335	0
Ohio	4945	4346	198	0
Oklahoma	11673	9947	1372	0
Oregon	92	75	0	0
Pennsylvania	3599	3248	193	0
South Carolina	7031	6002	777	0
Tennessee	59590	46115	6952	0
Vermont	5257	4191	551	0

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Virginia	7528	6196	764	0
Washington	8271	7663	490	0
Wisconsin	94766	68254	16267	0
Total	387640	309869	46335	0

Fixed Voice Subscription (VGE Lines)

VGE Lines Provided to Unaffiliated Providers by State

State	Wholesale	UNE-L
Alabama	0	0
Arizona	0	0
Arkansas	0	0
California	0	0
Colorado	0	0
Florida	66	0
Georgia	0	0
Idaho	0	0
Indiana	1	0
Kentucky	0	0
Maine	0	0
Michigan	0	0
Minnesota	0	0
Mississippi	0	0
New Hampshire	0	0
New York	0	0

State	Wholesale	UNE-L
Ohio	0	0
Oklahoma	0	0
Oregon	0	0
Pennsylvania	0	0
South Carolina	0	0
Tennessee	0	0
Vermont	0	0
Virginia	0	0
Washington	3	0
Wisconsin	5	0
Total	139	0

VGE Lines Provided to End Users by State, Bundle and Product Type

State	by Bundle		by Product Type				
	Total	Sold w/ Internet	Sold w/o Internet	Consumer		Bus-Govt	
				& No PIC	& PIC	& No PIC	& PIC
Alabama	14302	3365	5937	1450	10376	1171	1305
Arizona	3614	1638	1976	348	1475	651	640
Arkansas	2683	1792	891	210	1942	187	344
California	3770	1518	2252	912	1797	482	579
Colorado	3006	5271	2735	371	5731	587	817
Florida	6817	4041	2776	708	4542	1076	491
Georgia	29560	23931	5629	2586	22563	2458	1953
Idaho	1524	981	543	173	1108	115	128

State	by Bundle			by Product Type			
	Total	Sold w/ Internet	Sold w/o Internet	Consumer		Bus-Govt	
				& No PIC	& PIC	& No PIC	& PIC
Indiana	18960	14079	4881	2030	14180	1804	946
Kentucky	9286	6245	3041	629	7398	589	670
Maine	14488	8860	5628	1415	11310	1011	752
Michigan	14551	9980	4571	1207	11484	952	908
Minnesota	18427	12760	5667	1446	13460	1519	2002
Mississippi	4579	2525	2054	539	3132	431	477
New Hampshire	23135	14968	8167	2239	17008	1485	2403
New York	11186	5836	5350	1134	7929	1079	1044
Ohio	4945	3622	1323	369	3977	268	331
Oklahoma	11673	7868	3805	1162	8785	621	1105
Oregon	92	7	85	12	63	7	10
Pennsylvania	3599	2180	1419	285	2963	198	153
South Carolina	7031	4455	2576	691	5311	726	303
Tennessee	59590	38312	21278	5139	40976	3941	4534
Vermont	5257	2715	2542	773	3418	608	458
Virginia	7528	5123	2405	671	5525	712	620
Washington	8271	6360	1911	982	6681	369	239
Wisconsin	94766	60389	34377	6620	61634	13531	12981
Total	387640	253821	133819	35101	274768	41578	36193

VGE Lines Provided to End Users by State, Ownership and Last-mile Medium

State	Total	by Ownership	by Last-mile Medium
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	Owned	UNE-L	Resale	FTTP	Coax	Fixed Wireless	Copper
Alabama	14302	14302	0	0	29	0	14273
Arizona	3614	3614	0	0	0	0	3614
Arkansas	2683	2683	0	0	0	0	2683
California	3770	3770	0	0	0	0	3770
Colorado	8006	8006	0	0	0	0	8006
Florida	6817	6817	0	0	3	0	6814
Georgia	29560	29560	0	0	2982	0	26578
Idaho	1524	1524	0	0	0	0	1524
Indiana	18960	18960	0	0	1457	0	17503
Kentucky	9286	9286	0	0	107	0	9179
Maine	14488	14488	0	0	66	0	14422
Michigan	14551	14551	0	0	66	0	14485
Minnesota	18427	18427	0	0	1725	0	16702
Mississippi	4579	4579	0	0	12	0	4567
New Hampshire	23135	23135	0	0	7149	0	15986
New York	11186	11186	0	0	0	0	11186
Ohio	4945	4945	0	0	0	0	4945
Oklahoma	11673	11673	0	0	352	0	11321
Oregon	92	92	0	0	0	0	92
Pennsylvania	3599	3599	0	0	0	0	3599
South Carolina	7031	7031	0	0	0	0	7031
Tennessee	59590	59590	0	0	20656	0	38934

State	Total	by Ownership				by Last-mile Medium			
		Owned	UNE-L	Resale	FOTP	Coax	Fixed Wireless	Copper	
Vermont	5257	5257	0	0	1	0	0	5256	
Virginia	7528	7528	0	0	0	0	0	7528	
Washington	8271	8271	0	0	30	0	0	8241	
Wisconsin	94766	94766	0	0	8990	0	0	85776	
Total	387640	387640	0	0	43625	0	0	344015	

Fixed Voice Subscription (iVoIP)

Over-the-top VoIP Subscriptions by State and End-user Type

State	Total	Consumer	Business / Govt
Alabama	0	0	0
Arkansas	0	0	0
Colorado	0	0	0
Florida	35	0	35
Georgia	44	0	44
Idaho	0	0	0
Indiana	0	0	0
Kentucky	1	0	1
Maine	0	0	0
Michigan	0	0	0
Minnesota	14	0	14
Mississippi	0	0	0
New Hampshire	0	0	0
New York	0	0	0

State	Total	Consumer	Business / Govt
Ohio	0	0	0
Oklahoma	0	0	0
Pennsylvania	0	0	0
South Carolina	0	0	0
Tennessee	34	0	34
Vermont	5	0	5
Virginia	0	0	0
Washington	0	0	0
Wisconsin	160	0	160
Total	302	0	302

All other VoIP Subscriptions by State, End-user Type, Bundle and Last-mile Medium

State	Total	by End-user Type		by Bundle		by Last-mile Medium				
		Consumer	Business / Government	Sold w/ Internet	Sold w/o Internet	FTTP	Coax	Fixed	Wireless	Copper
Alabama	1167	0	1167	1167	0	0	0	0	1167	
Arkansas	127	0	127	127	0	0	0	0	127	
Colorado	634	0	634	634	0	0	0	0	634	
Florida	1942	0	1942	1942	0	0	0	0	1942	
Georgia	3961	0	3961	3961	0	283	0	0	3678	
Idaho	63	0	63	63	0	0	0	0	63	
Indiana	1827	0	1827	1827	0	204	0	0	1623	
Kentucky	713	0	713	713	0	2	0	0	711	
Maine	1013	0	1013	1013	0	2	0	0	1011	
Michigan	752	0	752	752	0	0	0	0	746	

State	Total	by End-user Type		by Bundle		by Last-mile Medium			
		Consumer	Business / Government	Sold w/ Internet	Sold w/o Internet	FTTP	Coax	Fixed	Wireless
Minnesota	3958	0	3958	3958	0	859	0	0	3099
Mississippi	364	0	364	364	0	0	0	0	364
New Hampshire	1812	0	1812	1812	0	319	0	0	1493
New York	335	0	335	335	0	0	0	0	335
Ohio	198	0	198	198	0	0	0	0	198
Oklahoma	1372	0	1372	1372	0	0	0	0	1372
Pennsylvania	193	0	193	193	0	0	0	0	193
South Carolina	777	0	777	777	0	0	0	0	777
Tennessee	6918	0	6918	6918	0	1931	0	0	4987
Vermont	546	0	546	546	0	0	0	0	546
Virginia	764	0	764	764	0	72	0	0	692
Washington	490	0	490	490	0	0	0	0	490
Wisconsin	16107	0	16107	16107	0	373	0	0	15734
Total	46033	0	46033	46033	0	4051	0	0	41982