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Form 477 Filing Summary

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Filer Identification

Section	Question	Response
Filer Information	Company Name	TDS TELECOMMUNICATIONS CORPORATION
	Holding Company Name	Telephone and Data Systems, Inc.
	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, 431984, 432010, 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, 805446, 805449, 805455, 805461, 805467, 805473, 805479, 805485, 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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Section	Question	Response
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Data Submitted

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	Fixed_broadband_deploymentilec.csv	Feb 15, 2020 07:38:41	████
Fixed Broadband Subscription	201 new output1 ilec_data_Crosstab.csv	Feb 15, 2020 07:49:52	████
Fixed Voice Subscription	301 new output1 ilec_voice_Crosstab.csv	Feb 15, 2020 07:52:27	████

Fixed Broadband Deployment

Census Block Counts by State, DBA Name and Technology

State	DBA Name	Technology	Blocks
Alabama	TDS TELECOM	ADSL2	████
		Asymmetric xDSL	████
		Optical Carrier/Fiber to the End User	██
		VDSL	████
Arizona	TDS TELECOM	ADSL2	████
		Asymmetric xDSL	████
		VDSL	████
California	TDS TELECOM	ADSL2	██
		Asymmetric xDSL	████
		VDSL	██
Colorado	TDS TELECOM	ADSL2	████
		Asymmetric xDSL	████
		Optical Carrier/Fiber to the End User	█
		VDSL	████
Florida	TDS TELECOM	ADSL2	████
		Asymmetric xDSL	████

State	DBA Name	Technology	Blocks
		Optical Carrier/Fiber to the End User	█
		VDSL	█
Georgia	TDS TELECOM	ADSL2	█
		Asymmetric xDSL	█
		Optical Carrier/Fiber to the End User	█
		VDSL	█
Idaho	TDS TELECOM	ADSL2	█
		Asymmetric xDSL	█
		VDSL	█
Indiana	TDS TELECOM	ADSL2	█
		Asymmetric xDSL	█
		Optical Carrier/Fiber to the End User	█
		VDSL	█
Kentucky	TDS TELECOM	ADSL2	█
		Asymmetric xDSL	█
		Optical Carrier/Fiber to the End User	█
		VDSL	█
Maine	TDS TELECOM	ADSL2	█
		Asymmetric xDSL	█
		Optical Carrier/Fiber to the End User	█
		VDSL	█
Michigan	TDS TELECOM	ADSL2	█
		Asymmetric xDSL	█
		Optical Carrier/Fiber to the End User	█
		VDSL	█
Minnesota	TDS TELECOM	ADSL2	█
		Asymmetric xDSL	█
		Optical Carrier/Fiber to the End User	█
		VDSL	█
Mississippi	TDS TELECOM	ADSL2	█
		Asymmetric xDSL	█
		Optical Carrier/Fiber to the End User	█
		VDSL	█
New Hampshire	TDS TELECOM	ADSL2	█

State	DBA Name	Technology	Blocks
		Asymmetric xDSL	█
		Optical Carrier/Fiber to the End User	█
		VDSL	█
New York	TDS TELECOM	ADSL2	█
		Asymmetric xDSL	█
		Optical Carrier/Fiber to the End User	█
		VDSL	█
North Carolina	TDS TELECOM	VDSL	█
Ohio	TDS TELECOM	ADSL2	█
		Asymmetric xDSL	█
		VDSL	█
Oklahoma	TDS TELECOM	ADSL2	█
		Asymmetric xDSL	█
		Optical Carrier/Fiber to the End User	█
		VDSL	█
Oregon	TDS TELECOM	Asymmetric xDSL	█
Pennsylvania	TDS TELECOM	ADSL2	█
		Asymmetric xDSL	█
		VDSL	█
South Carolina	TDS TELECOM	ADSL2	█
		Asymmetric xDSL	█
		VDSL	█
Tennessee	TDS TELECOM	ADSL2	█
		Asymmetric xDSL	█
		Optical Carrier/Fiber to the End User	█
		VDSL	█
Vermont	TDS TELECOM	ADSL2	█
		Asymmetric xDSL	█
		Optical Carrier/Fiber to the End User	█
		VDSL	█
Virginia	TDS TELECOM	ADSL2	█
		Asymmetric xDSL	█
		Optical Carrier/Fiber to the End User	█
		VDSL	█

State	DBA Name	Technology	Blocks
Washington	TDS TELECOM	ADSL2	█
		Asymmetric xDSL	█
		Optical Carrier/Fiber to the End User	█
		VDSL	█
Wisconsin	TDS TELECOM	ADSL2	█
		Asymmetric xDSL	█
		Optical Carrier/Fiber to the End User	█
		VDSL	█
Total			█

Fixed Broadband Subscription

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

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
Alabama	Asymmetric xDSL	█	█	█	█
	Optical Carrier/Fiber to the End User	█	█	█	█
	Symmetric xDSL	█	█	█	█
Arizona	Asymmetric xDSL	█	█	█	█
California	Asymmetric xDSL	█	█	█	█
Colorado	Asymmetric xDSL	█	█	█	█
	Optical Carrier/Fiber to the End User	█	█	█	█
Florida	Asymmetric xDSL	█	█	█	█
	Optical Carrier/Fiber to the End User	█	█	█	█
	Symmetric xDSL	█	█	█	█
Georgia	Asymmetric xDSL	█	█	█	█
	Optical Carrier/Fiber to the End User	█	█	█	█
	Symmetric xDSL	█	█	█	█
Idaho	Asymmetric xDSL	█	█	█	█
Indiana	Asymmetric xDSL	█	█	█	█
	Optical Carrier/Fiber to the End User	█	█	█	█
	Symmetric xDSL	█	█	█	█
Kentucky	Asymmetric xDSL	█	█	█	█
	Optical Carrier/Fiber to the End User	█	█	█	█
	Symmetric xDSL	█	█	█	█

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State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
Maine	Asymmetric xDSL	████	████	████	████
	Optical Carrier/Fiber to the End User	██	██	██	██
	Symmetric xDSL	██	█	██	██
Michigan	Asymmetric xDSL	████	████	████	████
	Optical Carrier/Fiber to the End User	██	██	█	██
	Symmetric xDSL	█	█	█	█
Minnesota	Asymmetric xDSL	████	████	████	████
	Optical Carrier/Fiber to the End User	██	████	████	████
	Symmetric xDSL	██	█	██	██
Mississippi	Asymmetric xDSL	██	████	████	████
	Optical Carrier/Fiber to the End User	█	██	█	██
New Hampshire	Asymmetric xDSL	████	████	████	████
	Optical Carrier/Fiber to the End User	████	████	████	████
	Symmetric xDSL	██	█	██	██
New York	Asymmetric xDSL	████	████	████	████
	Optical Carrier/Fiber to the End User	██	████	██	████
Ohio	Asymmetric xDSL	████	████	████	████
Oklahoma	Asymmetric xDSL	████	████	████	████
	Optical Carrier/Fiber to the End User	██	██	█	██
	Symmetric xDSL	█	█	█	█
Oregon	Asymmetric xDSL	█	█	█	█
Pennsylvania	Asymmetric xDSL	██	████	████	████
South Carolina	Asymmetric xDSL	████	████	████	████
	Symmetric xDSL	█	█	██	██
Tennessee	Asymmetric xDSL	████	████	████	████
	Optical Carrier/Fiber to the End User	████	████	████	████
	Symmetric xDSL	██	█	████	████
Vermont	Asymmetric xDSL	██	████	████	████
	Symmetric xDSL	█	█	█	█
Virginia	Asymmetric xDSL	██	████	████	████
	Optical Carrier/Fiber to the End User	██	██	█	██
	Symmetric xDSL	█	█	█	█
Washington	Asymmetric xDSL	████	████	████	████

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	████	████	●	●	●
	████	████	●	████	████
	████	████	●	████	████
Total			227655	17958	245613

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	████	████	████	●
Arizona	████	████	████	●
California	████	████	●	●
Colorado	████	████	████	●
Florida	████	████	████	●
Georgia	████	████	████	●
Idaho	████	████	████	●
Indiana	████	████	████	●
Kentucky	████	████	████	●
Maine	████	████	████	●
Michigan	████	████	████	●
Minnesota	████	████	████	●
Mississippi	████	████	████	●
New Hampshire	████	████	████	●
New York	████	████	████	●
Ohio	████	████	●	●
Oklahoma	████	████	████	●
Oregon	●	●	●	●
Pennsylvania	████	████	●	●
South Carolina	████	████	████	●
Tennessee	████	████	████	●
Vermont	████	████	████	●
Virginia	████	████	████	●
Washington	████	████	████	●
Wisconsin	████	████	████	●
Total	████	████	████	●

**Fixed Voice
Subscription
(VGE Lines)**

VGE Lines Provided to Unaffiliated Providers by State

State	Wholesale	UNE-L
Alabama		
Arizona		
California		
Colorado		
Florida		
Georgia		
Idaho		
Indiana		
Kentucky		
Maine		
Michigan		
Minnesota		
Mississippi		
New Hampshire		
New York		
Ohio		
Oklahoma		
Oregon		
Pennsylvania		
South Carolina		
Tennessee		
Vermont		
Virginia		
Washington		
Wisconsin		
Total		

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

State	Total	by Bundle		by Product Type			
		Sold w/ Internet	Sold w/o Internet	Consumer		Bus-Govt	
				& No PIC	& PIC	& No PIC	& PIC
Alabama							

State	Total	by Bundle		by Product Type			
		Sold w/ Internet	Sold w/o Internet	Consumer		Bus-Govt	
				& No PIC	& PIC	& No PIC	& PIC
Arizona							
California							
Colorado							
Florida							
Georgia							
Idaho							
Indiana							
Kentucky							
Maine							
Michigan							
Minnesota							
Mississippi							
New Hampshire							
New York							
Ohio							
Oklahoma							
Oregon							
Pennsylvania							
South Carolina							
Tennessee							
Vermont							
Virginia							
Washington							
Wisconsin							
Total							

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

State	Total	by Ownership			by Last-mile Medium			
		Owned	UNE-L	Resale	FTTP	Coax	Fixed Wireless	Copper
Alabama								
Arizona								
California								
Colorado								
Florida								

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State	Total	by Ownership			by Last-mile Medium			
		Owned	UNE-L	Resale	FTTP	Coax	Fixed Wireless	Copper
Georgia								
Idaho								
Indiana								
Kentucky								
Maine								
Michigan								
Minnesota								
Mississippi								
New Hampshire								
New York								
Ohio								
Oklahoma								
Oregon								
Pennsylvania								
South Carolina								
Tennessee								
Vermont								
Virginia								
Washington								
Wisconsin								
Total								

Fixed Voice Subscription (iVoIP)

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

State	Total	Consumer	Business / Govt
Alabama			
Arizona			
Colorado			
Florida			
Georgia			
Idaho			
Indiana			
Kentucky			

State	Total	Consumer	Business / Govt
Maine	0	0	0
Michigan	0	0	0
Minnesota	0	0	0
Mississippi	0	0	0
New Hampshire	0	0	0
New York	0	0	0
Oklahoma	0	0	0
South Carolina	0	0	0
Tennessee	0	0	0
Vermont	0	0	0
Virginia	0	0	0
Washington	0	0	0
Wisconsin	0	0	0
Total	0	0	0

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	0	0	0	0	0	0	0	0	0
Arizona	0	0	0	0	0	0	0	0	0
Colorado	0	0	0	0	0	0	0	0	0
Florida	0	0	0	0	0	0	0	0	0
Georgia	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0
Indiana	0	0	0	0	0	0	0	0	0
Kentucky	0	0	0	0	0	0	0	0	0
Maine	0	0	0	0	0	0	0	0	0
Michigan	0	0	0	0	0	0	0	0	0
Minnesota	0	0	0	0	0	0	0	0	0
Mississippi	0	0	0	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0	0	0	0
New York	0	0	0	0	0	0	0	0	0
Oklahoma	0	0	0	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	0	0

Redacted per WAC 480-07-160

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
Vermont	████	●	████	████	●	●	●	●	████
Virginia	████	●	████	████	████	████	●	●	████
Washington	████	●	████	████	●	●	●	●	████
Wisconsin	████	●	████	████	████	████	●	●	████
Total	████	●	████	████	████	████	●	●	████