

April 22, 2018

Ms. Cayce Hinton, Director Florida Public Service Commission Office of Industry Development & Market Analysis 2540 Shumard Oak Boulevard Tallahassee, FL 32399-0850

RE: TL 718, Quincy Telephone Company;

T1 Legacy Services Grandfathering

Dear Ms. Salak:

Included in this submission are the following tariff pages for Quincy Telephone Company:

Index Eighth Revised Sheet 15

Section A10 Third Revised Sheets 14, 16, 17 & 18

Fourth Revised Sheets 15 & 19

Third Revised Sheet 20

Section A13 Second Revised Sheet 45

First Revised Sheets 46 through 50

The purpose of this filing is to grandfather ISDN-PRI and Dedicated DS1 Services. The company will no longer offer these services to new customers effective May 1, 2018. With this filing, we will also be removing Digital Transport Services. There are currently no customers subscribing to the services and the Company no longer wishes to offer it.

The effective date of the tariff change is May 1, 2018.

If you have any questions, please feel free to contact me.

Sincerely,

Kris A. Groth

Senior Pariff Administrator kris.groth@tdstelecom.com

608.664.4186

Enclosures

QUINCY TELEPHONE COMPANY d/b/a TDS TELECOM

Florida

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ISSUED: April 23, 2018

BY: Joel Dohmeier, Vice-President

EFFECTIVE: May 1, 2018

QUINCY TELEPHONE COMPANY d/b/a TDS TELECOM Florida Section A10
Third Revised Sheet 14
Cancels Second Revised Sheet 14

INTEGRATED SERVICES DIGITAL NETWORK

2. PRIMARY RATE INTERFACE (PRI)(1)

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A. GENERAL DESCRIPTION

- 1. Integrated Services Digital Network (ISDN) is a public network-based set of communications services that make it possible to send, receive, and modify information using regular telephone facilities. ISDN provides end-to-end digital communications and gives the ability to transmit data and voice over the same telephone line simultaneously. This functionality is provided via channelized transport facilities. The ISDN architecture provides for Primary Rate Interface (PRI) which is typically used when a customer wants to connect large quantities of digital lines to the network.
- ISDN-PRI uses the ISDN architecture to provide the customer with the capability to transmit voice and data simultaneously over the same digital facility. Under various optional arrangements, PRI provides the customer with access to Circuit-Switched Voice Services and Circuit-Switched Data Services.

B. PRIMARY RATE INTERFACE (PRI) SERVICE ARRANGEMENT

- 1. An ISDN-PRI arrangement connects an ISDN-capable Telephone Company central office switch to ISDN-capable customer premise equipment (CPE). Depending on the application, that CPE might be a PBX, a router, a multiplexer, etc. The PRI ISDN arrangement provides a total of twenty-four digital communications channels within a single physical facility. Twenty-three of these channels are called Bearer, or B Channels and they carry the actual voice or data. Another channel, called the Delta or D Channel, is used to transport signaling for the other 23 channels. This configuration is known as 23B+D.
 - a. B Channel The B Channel is a bi-directional synchronous channel capable of supporting digital transmission speeds of 64 kilobits per second (kbps). Each B Channel of a PRI may carry:
 - (1) Circuit-Switched Voice
 - (2) Circuit-Switched Data
 - b. **D Channel** The D Channel is a 64 kbps digital signaling channel that carries signaling and control for the B Channels.

(1) This service will be grandfathered to existing customers effective May 1, 2018. This service will not be available to new customers after this date.

(C)

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INTEGRATED SERVICES DIGITAL NETWORK

2. PRIMARY RATE INTERFACE (PRI) (1) (Continued)

(C)

- B. PRIMARY RATE INTERFACE (PRI) SERVICE ARRANGEMENT (Continued)
 - Primary Rate Access Facility The Primary Rate Access Facility provides a high capacity digital link over which the Primary Rate services are delivered. This facility is based on a 1.544 mbps DS1 carrier (T1 facility).
 - 3. **Multiple PRI Arrangement** There may be situations where more than 23 B Channels are needed at a particular customer premise. In those situations, multiple PRI facilities can be assigned to a PRI arrangement. With the multiple PRI arrangement, the D Channel in the first PRI facility is used to transport signaling for additional PRI facilities. The first PRI would be configured as 23B+D and the other PRIs would be configured as 24B. This use of Non-Facility Associated Signaling (NFAS) allows the overhead of the D Channel to be distributed over multiple PRI facilities, thereby increasing channel efficiency.
 - 4. D Channel Backup In Multiple PRI Arrangements, a second D Channel can be assigned (where available) as an automatic backup to the primary D Channel. This can be offered when more than one PRI is provided to the same customer in order to provide redundancy of the signaling channel.
 - 5. **ISDN-PRI Failover Solution** Allows a customer's incoming ISDN-PRI traffic to overflow to a predetermined alternate route in an out-pf-service situation. The incoming traffic is forwarded to a remote call forward number and then forwarded to one or more basic access lines in a hunt group.

C. CIRCUIT SWITCHED SERVICE DESCRIPTIONS

Circuit Switching is a switching arrangement in which an entire circuit or B Channel is dedicated to a given call. The circuit is connected on a per call basis and can carry circuit-switched voice or circuit-switched data. Circuit switched related services include:

- Clear Channel Capability A characteristic of the transmission paths on the "B" channel that allows the full bandwidth on the "B" channel, 64 kbps, to be available to the customer. However, ISDN interconnection to non-ISDN equipped central offices will be potentially subjected to analog transmission or sub-rated to 56 kbps.
- 2. **Dedicated Trunk Groups** The B Channels of a PRI can be dedicated for calls to and from the public network: Incoming, Outgoing, 2-way, Direct Outward Dialing (DOD) or Direct Inward Dialing (DID).

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Third Revised Sheet 16
Cancels Second Revised Sheet 16

INTEGRATED SERVICES DIGITAL NETWORK

2. PRIMARY RATE INTERFACE (PRI) (1)(Continued)

(C)

- C. CIRCUIT SWITCHED SERVICE DESCRIPTIONS (Continued)
 - 3. **Primary Rate Call-By-Call Service** The Primary Rate Call-By-Call (CBC) feature offers access to additional services such as:
 - Foreign Exchange.
 - Tie Trunk.
 - InWATS.
 - and OutWATS

via the B Channels of an ISDN-PRI. With this feature, any B Channel on the PRI can be used to offer the above services on a per-call basis in addition to trunk calls to/from the public network (i.e., DOD/DID).

- Multiple Directory Numbers Each PRI includes an individual directory number. Additional directory numbers, a range of directory numbers, or several ranges of directory numbers can be optionally added.
- Advanced Calling Services ISDN-PRI can support access to the following Advanced Calling Services (also called CLASS services) from suitably equipped CPE:
 - a. Caller ID Basic- This feature allows the central office and the customer's equipment to communicate the calling party's directory number on calls carried by the Primary Rate service. The number can then be made available to be displayed on a properly equipped telephone set or adjunct equipment.

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QUINCY TELEPHONE COMPANY d/b/a TDS TELECOM Florida

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INTEGRATED SERVICES DIGITAL NETWORK

PRIMARY RATE INTERFACE (PRI) (1) (Continued) 2.

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TECHNICAL SPECIFICATIONS D.

Transmission Specifications - The Primary Rate Access Facility provides a high capacity digital link over which the Primary Rate services are delivered. This facility is based on a 1.544 Mbps DS1 carrier (T1 facility) whose characteristics are as follows:

Bipolar 8 Zero Substitution (B8ZS) Line Code Framing Format = Extended Super Frame (ESF) Q.931 Signaling Signaling = = 64 kbps clear or kbps restricted Data Rate

24th channel on the T1 facility D Channel

Customer Premise Equipment (CPE) and Facilities - Compatible CPE is required to utilize ISDN-PRI. All equipment used to interface with these services is required to conform with ISDN guidelines as referenced in the following Bellcore specifications:

Document Number	Description		
TR-NWT-001268	ISDN Primary Rate Interface Call Control Switching and Signaling Generic Requirements for Class II Equipment		
SR-NWT-002343	ISDN Primary Rate Interface Generic Guidelines for Customer Premises Equipment		

The Telephone Company shall not be responsible if changes in any of the equipment, operations, or procedures of the Company utilized in the provisioning of ISDN services render any facilities provided by the customer obsolete or require modification of such equipment or system, or otherwise affect its use or performance.

(1) This service will be grandfathered to existing customers effective May 1, 2018. This service will not be available to new customers after this date.

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QUINCY TELEPHONE COMPANY d/b/a TDS TELECOM Florida

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Third Revised Sheet 18
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INTEGRATED SERVICES DIGITAL NETWORK

2. PRIMARY RATE INTERFACE (PRI) (1)(Continued)

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E. REGULATIONS AND CONDITIONS

- Unless specifically exempted, ISDN services shall be subject to all general regulations applicable to the provision of service by the Telephone Company as stated in the general tariff.
- ISDN-PRI is provided at the option of the Company. These services are furnished subject to central office switching capacity, capability, and the availability of outside plant facilities.
 - a. The availability, functionality, and capabilities of ISDN-PRI may vary, or may not be available, dependent upon type of serving central office switch, related software controlling that switch and associated outside plant.
 - (1) Where facilities are not available, or unusual expenditures are involved in making them available, the customer may be required to pay additional charges to cover the unusual expenditure, or to contract for services beyond the normal service term, or both.
 - (2) Mileage Charges: Provision of the underlying PRI Access facility (T1) is mileage sensitive. As such, additional mileage charges may apply.

3. Payment for Service:

- a. The minimum charge period for services provided under this tariff is one month
- b. The customer may choose to pay for the service on a month-to-month basis.
- Suspension of service is not allowed.
- Directory Listings: One directory listing is provided without charge for each ISDN-PRI
 customer. Additional listings may be provided as specified for Additional Listing
 Service in the Rates & Charges section of this ISDN-PRI tariff.

(1) This service will be grandfathered to existing customers effective May 1, 2018. This service will not be available to new customers after this date.

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QUINCY TELEPHONE COMPANY d/b/a TDS TELECOM Florida

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INTEGRATED SERVICES DIGITAL NETWORK

2. PRIMARY RATE INTERFACE (PRI) (1)(Continued)

(C)

- E. REGULATIONS AND CONDITIONS (Continued)
 - 5. Billable Call Treatment: Normal toll charges (including InWATS and OutWATS charges) shall apply to calls that are made outside of the Local Service Area.
 - 6. Customer Premise Equipment (CPE):
 - This tariff does not include terminal equipment on the customer's premises. Terminal equipment may be covered under a separate tariff, sold or leased separately by the Telephone Company (under a separate contract), or may be provided by the customer.
 - The customer is responsible for providing the power required for any and all CPE connected to an ISDN-PRI.
 - 7. The Telephone Company shall not be liable for any loss or damages arising out of error, interruptions, defects, failure, or malfunctions of ISDN services or associated equipment. Damages arising out of such interruptions, defects, failures, or malfunctions of the services after the Telephone Company has been notified, and has reasonable time for repair, shall in no event exceed an amount equivalent to the charges made for the service affected for the period following notice from the customer until service is restored.
 - 8. Service Establishment Charges do not apply for the establishment of the Communication Channels when the customer signs an agreement to subscribe to ISDN-PRI for a minimum of 3 years. If the customer discontinues service prior to the conclusion of the 3 year agreement, the customer will incur a disconnection charge equal to the Service Establishment Charges. The disconnection charge will not apply if the customer purchases other services from the Company which replace ISDN-PRI service.
 - 9. PRI Service is provided for use by the end-user customer only as a local switched service. PRI service is not available for use by Commercial Mobile Radio Carriers, Private Mobile Radio Carriers, Inter-exchange Carriers, VoIP Service Providers or other carriers or providers for use in aggregating or transporting inter-exchange traffic. Such usage is strictly prohibited by this Tariff. Other services designed for and intended for such use are offered by the Company specifically via interconnection agreement or the Access Tariff.

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QUINCY TELEPHONE COMPANY d/b/a TDS TELECOM Florida

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Third Revised Sheet 20
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INTEGRATED SERVICES DIGITAL NETWORK

2. PRIMARY RATE INTERFACE (PRI) (Continued)

F. RATES AND CHARGES

INTEGRATE	D SERVICES DIGITAL NETWORK (ISDN) SI PRIMARY RATE INTERFACE (PRI) (1) ISDN-PRI RATE SCHEDULE	ENVICE	
ISDN Service	Monthly Rate	Service Establishment (Nonrecurring Rates)	
I. ISDN-PRI ACCESS: a. ISDN-PRI Access Facility (first mile)	Included in ISDN-PRI Rate (Communication Channels Mo. Rate)	Included in ISDN-PRI Service Establishment (Communications Channels Svc Establishment)	
 b. PRI Access Facility - Mileage Charges (each additional mile) 	\$20.00/each additional mile	Included in ISDN-PRI Service Establishment (Communication Channels Svc Establishment)	
a. B Channels plus D Channel, OR B Channels (Multiple PRI Arrangement)	Month to Month \$700.00 24 Month \$650.00 36 Month \$600.00 60 Month \$550.00	\$1,000.00 \$1,000.00 Waive Waive	
b. T1/PRI Rearrangement Charge (In Lieu of \$1,000.00 Service Establishment Charge when the customer already has a T1 in	N/A	\$200.00 \$150.00	
place) c. D Channel Backup	\$100.00	\$150.00	
d. Directory Numbers: Primary Directory Number (w/each ISDN-PRI) Additional Directory Numbers	Included \$2.00/Directory Number	Included \$25.00/Initial Service Establishment Request	
e. ISDN-PRI Failover Solution	No Charge	No Charge	
. CIRCUIT SWITCHED FEATURES: a. Features:			
1. Clear Channel Capability	No Charge	No Charge	
Call-by-Call Capability for the following: a. Public Network Calls (incoming, outgoing or 2-way trunk calls)	No Charge	No Charge	
 b. DID c. FX: All existing tariff rates apply to FX facilities between CO's. 	No Charge \$10.00	No Charge \$50.00	
d. Tie Facility: All existing tariff rates apply to Tie facilities between CO's.	\$10.00	\$50.00	
 e. InWATS: All existing tariff rates apply to measured InWATS. 	\$10.00	\$50.00	
f. OutWATS: All existing tariff rates apply to measured OutWATS.	\$10.00	\$50.00	
3. Advanced Calling Services: Caller ID - Basic (per PRI)	Included w/ISDN-PRI (Communication Channels Mo. Rate)	Included in ISDN-PRI Service Establishment (Communications Channels Svc Establishment)	
b. Subsequent Feature Additions/Changes: Feature Additions/Changes per PRI	N/A	\$50.00	
c. Move Charge To Move ISDN-PRI Service, per PRI	N/A	\$25.00	

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EFFECTIVE: May 1, 2018

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ISSUED: April 23, 2018 EFFECT

BY: Joel Dohmeier, Vice President

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QUINCY TELEPHONE COMPANY d/b/a TDS TELECOM Florida Section A13 Second Revised Sheet 45 Cancels First Revised Sheet 45

MISCELLANEOUS SERVICE ARRANGEMENTS

Reserved For Future Use

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ISSUED: April 23, 2018 EFFECTIVE: May 1, 2018

QUINCY TELEPHONE COMPANY d/b/a TDS TELECOM Florida

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MISCELLANEOUS SERVICE ARRANGEMENTS

(D)

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QUINCY TELEPHONE COMPANY d/b/a TDS TELECOM Florida

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MISCELLANEOUS SERVICE ARRANGEMENTS

(D)

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ISSUED: April 23, 2018 EFFECTIVE: May 1, 2018

QUINCY TELEPHONE COMPANY d/b/a TDS TELECOM Florida

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MISCELLANEOUS SERVICE ARRANGEMENTS

O. DEDICATED DS1 SERVICE(1)

(C)

General

Dedicated DS1 Service is a point-to-point intraexchange service that provides for simultaneous two-way transmission at 1.544 Megabits per second (Mbps). This service only transmits digital signals and uses only digital transmission facilities. Dedicated DS1 service and its features are offered subject to the availability of central office equipment and appropriate outside plant facilities. This service is specifically designed for customers that require dedicated DS1 facilities from a TDS TELECOM Central Office to their location.

2. Definitions

<u>Clear Channel Capability</u> - An optional feature of DTS that allows a customer to transport 1.536 Mbps on a 1.544 Mbps line with no constraint on quantity or bit sequence.

DS1 - Digital facility that is equivalent to 24 DS0s. Total transmission speed is 1.544 Mbps.

<u>Digital Local Channel</u> - A transmission path for Dedicated DS1 Service furnished from the Central Office to the demarcation point on the customer's premises.

3. Regulations

- a. Dedicated DS1 Service is available for a minimum service period of one month.
- b. Dedicated DS1 Service is available on a month-to month basis or under variable rate periods, with rates based on lengths of 12 months, 36 months and 60 months.
- c. Rates for Dedicated DS1 under contract will not be increased by Company initiative until the contract period expires. Rates in effect at the time the service is installed will be applicable until the contract expires. Upon expiration of the customer's current payment period option, the customer may select a new payment period option at current rates or revert to current rates on a month-to-month basis.
- d. For channelization of Dedicated DS1 Service, please see Digital Transport Service in this Section.

(1) This service will be grandfathered to existing customers effective May 1, 2018. This service will not be available to new customers after this date.

(C) (C)

EFFECTIVE: May 1, 2018

ISSUED: April 23, 2018

QUINCY TELEPHONE COMPANY d/b/a TDS TELECOM Florida Section A13 First Revised Sheet 49 Cancels Original Sheet 49

MISCELLANEOUS SERVICE ARRANGEMENTS

O. <u>DEDICATED DS1 SERVICE⁽¹⁾</u> (Continued)

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- 3. Regulations (Continued)
 - e. If the service is canceled by the customer prior to the completion of the service period, the customer will be obligated to pay a termination charge. The applicable termination charge will be equal to the number of months remaining in the contract times the monthly rate provided under the contract. Termination charges will not apply, however, if the customer replaces the service with comparable service and a contract length that is equal to or greater than the original contract period.
 - f. The rates listed in Paragraph 4., following, assume the provision of a digital quality facility that uses existing exchange cable facilities compatible with this service. If such equipment, new facilities or changes to existing facilities are required for the provision of this service, a special construction charge based on the cost incurred to make the changes will apply in addition to the rates for Dedicated DS1 Service.
 - g. The two types of non-recurring charges associated with Dedicated DS1 Service include a Design Order Charge and an Installation Charge. The Design Order Charge applies once per order while the Installation Charge will apply for each Digital Local Channel installed.
 - h. The Installation Charge and Design Order Charge will not apply for the establishment of Dedicated DS1 Service when the customer signs an agreement to subscribe to the service for a minimum of 3 years. If the customer discontinues service prior to the conclusion of the 3 year agreement, the customer will incur a disconnection charge equal to the Design Order Charge and applicable Installation Charges. The disconnection charge will not apply if the customer purchases other services from the Company which replace Dedicated DS1 Service.

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(C)

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QUINCY TELEPHONE COMPANY d/b/a TDS TELECOM Florida Section A13 First Revised Sheet 50 Cancels Original Sheet 50

MISCELLANEOUS SERVICE ARRANGEMENTS

O. **DEDICATED DS1 SERVICE**(1) (Continued)

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4. Rates and Charges

The following rates apply on a per customer basis, regardless of the number of terminating locations.

a.	Rec	urring	Rates
a.	1100	urrnig	Nates

			Monthly Rate	Trans Code
	1)	Month to Month 1 Channel 2 Channels 3+ Channels	\$230.00 200.00 200.00	T1MM1 T1MM2 T1MM3
	2)	12 Months 1 Channel 2 Channels 3+ Channels	210.00 180.00 160.00	T1L11 T1L12 T1L13
	3)	36 Months 1 Channel 2 Channels 3+ Channels	190.00 160.00 140.00	T1L31 T1L32 T1L33
	4)	60 Months 1 Channel 2 Channels 3+ Channels	180.00 150.00 130.00	T1L51 T1L52 T1L53
b.		-recurring Charges	Non-recurring <u>Charge</u> \$700.00	Trans <u>Code</u> T1DOC
	1)	Design Order Charge, Per Order	\$700.00	TIDOC
	2)	Installation Charge, First Channel	650.00	T1C1
	3)	Installation Charge, Second and Additional Channels, per common end	500.00	T1C2A
	4)	Clear Channel Capability	350.00	T1CCC

⁽¹⁾ This service will be grandfathered to existing customers effective May 1, 2018. This service will not be available to new customers after this date.

(C)

EFFECTIVE: May 1, 2018

ISSUED: April 23, 2018