

MEMBER SERVICES TARIFF

DIGITAL SERVICES

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<p style="text-align: center;">PUBLIC UTILITY COMMISSION OF TEXAS</p> <p style="text-align: center;">EFFECTIVE</p> <p style="text-align: center;">Jan 23, 2016 <u>Tariff No. 45521</u></p> <p style="text-align: center;">TARIFF CLERK</p>

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I. ISDN-PRI SERVICE

A. GENERAL

Integrated Services Digital Network (ISDN) - Primary Rate Interface (PRI) is a central office based service arrangement that is an alternative for individual access services, such as Direct Inward Dialing (DID), Direct Outward Dialing (DOD), 800 Service, Wide Area Telecommunications Service and local business trunks.

B. DEFINITION OF TERMS

1. "B" Channel - A 64 kilobit per second (kbps) channel used for information transfer between users. The "B" channel may be used in conjunction with circuit-switched service.

2. Circuit Switching - A switching technique in which an entire circuit, or in a digital switch equipped for ISDN, a specific selection of time slots is dedicated to a given call.

3. "D" Channel - A 64 kbps channel that carries signaling and control for the "B" channel.

4. ISDN-PRI Arrangement - Provides ISDN capabilities between the customer's premises and the serving central office. One Arrangement consists of 23 "B" channels and one "D" channel (23B+D) or 24 "B" channels.

5. PRI Trunk Group - A group of channels which are designated as one of the following:

- Incoming Exchange Trunk Group
- Outgoing Exchange Trunk Group
- Two-Way Exchange Trunk Group
- WATS Trunk Group
- 800 Trunk Group
- Interoffice Tie Group

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I. ISDN-PRI SERVICE (Cont'd)

C. DESCRIPTION OF SERVICE

ISDN-PRI is provisioned on a clear channel 1.544 megabit per second (mbps) facility or equivalent and uses the ISDN architecture of 23 "B" channels and one "D" channel or 24 "B" channels to provide the customer with the capabilities of simultaneous access, transmission and switching of voice, data and imaging services via channelized transport. In addition, ISDN-PRI provides the customer with service capabilities and features described in this tariff.

ISDN-PRI provides the capability to transport customer information in the form of circuit-switched voice or data up to 64 kbps over any "B" channel. One "D" channel can control up to twenty PRI Arrangements. In such cases, a single "D" channel in one ISDN-PRI Arrangement handles all signaling and control requirements of multiple ISDN-PRI Arrangements in a specified grouping, allowing supplemental ISDN-PRI Arrangements to consist of 24 "B" channels.

"B" channels can be allocated for specific services, such as DID, DOD, WATS, 800 Service or configure channels to access multiple services on a per-call basis. ISDN-PRI allows the user to have access to the directory number of the calling party. Provision of per-call and line blocking capabilities is a function of the customer premises equipment and the responsibility of the customer. ISDN-PRI will provide the industry standards for National ISDN 1 and National ISDN 2 for PRI with the following exceptions:

- Delivery of Redirection Number for PRI Calling Number Identification,
- Privacy of Redirecting Number for PRI Calling Number Identification,
- Delivery of Redirection Reason for PRI Calling Number Identification.

For reasons of privacy, the Cooperative will not provide Call Trace features with ISDN -PRI service, except to law enforcement officials.

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I. ISDN-PRI SERVICE (Cont'd)

D. CONDITIONS

ISDN-PRI service is available from serving central offices equipped with the necessary "clear channel" facilities to provide ISDN-PRI service. Feature availability and service capabilities are dependent on the facilities and digital technology providing the service.

NI-2 compatible equipment is required for operation. It is the customer's responsibility to obtain and power such equipment.

Toll charges will apply when circuit-switched voice or data calls are completed outside of the customer's local calling area.

All ISDN-PRI Arrangement configurations must have at least one 23B+D for signaling and control functions.

ISDN-PRI service is provided for use by the end-user customer only as a local switched service. ISDN-PRI service is not available for use by Commercial Mobile Radio Carriers, private Mobile Radio Carriers, Interexchange 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 Cooperative specifically via interconnection agreement or the Cooperative's Access Tariff(s).

This service allows end users to dial the customer's local number(s) to complete local calls to that customer. If the Cooperative discovers that the customer is using this service on a non-retail basis by allowing end users to complete voice communications to third parties outside the customer's local calling area, the Cooperative has the right to terminate the ISDN-PRI retail service five days after notice has been provide via express delivery.

ISDN-PRI interface is comprised of a limited set of standard user network interfaces. The ISDN-PRI customer premises equipment (CPE) must be compatible with the network interface.

Physically, the network is a metallic four-wire telephone loop interface between a switch equipped with ISDN and the network termination (NT2). NT2 customer premises equipment is required for providing physical compatibility in terminating telephone facilities at the customer's premises.

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I. ISDN-PRI SERVICE (Cont'd)

D. CONDITIONS (Cont'd)

Each ISDN-PRI trunk group is equipped with one telephone number. Additional numbers may be ordered in blocks of 10 or 100 per DID Service terms and conditions listed in Section 11.

This tariff does not provide for the transmission of packet data on the "B" or "D" channels.

This service is available from central offices which have the necessary facilities to provide ISDN-PRI service on the standard ISDN network platform. In the event that a customer's local serving office is not so equipped, the Cooperative will provide ISDN-PRI service from an alternate serving central office, determined by the Cooperative, at no additional charge to the customer. The customer must accept the service central office location assigned by the Cooperative and must agree to revert to service from his local serving central office when ISDN-PRI facilities become available.

If ISDN-PRI service is provided from an alternate or "foreign" central office, the customer must accept a number change to one associated with the alternate central office and the local calling areas associated with the alternate central office.

When ISDN-PRI becomes available from the local serving central office for an ISDN-PRI customer whose service has previously been provided from an alternate central office, the customer will revert to the local service, accept a telephone number change to the local telephone number(s) and be subject to the local calling areas of the local serving office. No charges will apply to the transfer of ISDN-PRI service from an alternate central office to a local serving office.

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I. ISDN-PRI SERVICE (Cont'd)

E. TERMINATION LIABILITY

In the event an ISDN-PRI service is terminated by the customer prior to completion of a term commitment period, the customer shall be liable for the termination liability. The customer shall be required to pay a Termination Liability Charge determined as follows:

Termination =25% Liability Charge	X	(Number of Lines Terminated)	X	Monthly Rate Per Line	X	(Number of Remaining Months)
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An ISDN-PRI customer may at any time renew a contract for an equal or longer period at the current tariffed rates subject to the following conditions:

- Credit will not be given for payments made during the formerly selected period.
- Nonrecurring charges will not be reapplied.
- The new contract period begins with the first billing date following the renewal.
- Termination charges will not apply for the former contract period.

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I. ISDN-PRI SERVICE (Cont'd)

F. FEATURES

The following features are provided at no additional charge for PRI arrangements:

Calling Number Identification - Provides identification of the calling party's ten digit dialing number to the PBX or host computer within a system.

Multirate - Provides a single circuit whose bandwidth is a multiple of 64 Kbps. The circuit consists of one or more "B" channels, as required for each call. Multirate is also known as N x 64 data service.

Clear Channel Capability - Allows customers to transport 64 Kbps over the PRI channels with no constraint on the quantity or sequence of bits.

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I. ISDN-PRI SERVICE (Cont'd)

G. SERVICE ADDITIONS, MOVES OR CHANGES

1. The ISDN-PRI Subsequent Activity Charge (SAC) is applicable for any changes to the customer configurations after initial installation. The SAC is applicable per occurrence.

2. For Contract/Term Commitment Arrangements:

During the contract period, the customer may add ISDN-PRI services at the monthly rates specified in the customer's contract.

If a customer upgrades from other Cooperative services that utilize the same facilities from their location and the local serving central office and a new contract is of equal or greater monetary value, the NRC charge will be waived.

If the tariff rates on a contract are lowered, the subscriber may be allowed to cancel his/her existing contract without penalty, provided that a new contract is signed for equal or greater monetary value. The customer will be subject to all terms, conditions and rates of the new contract.

Prior to the expiration of an existing contract, a customer may extend the contract for another contract period without incurring the termination liability charges.

When a customer elects to relocate his/her ISDN-PRI service to a different premises not served by the same central office, prior to the expiration of his/her contract, the service is considered to be disconnected and the termination liability applies. However if the customer relocates to a location served by a suitably equipped central office and establishes an ISDN-PRI contractual payment plan of equal or greater monetary value, the customer may relocate service without incurring any termination liability. However, all installation charges at the new location will apply.

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I. ISDN-PRI SERVICE (Cont'd)

H. DESCRIPTION OF RATES

ISDN-PRI Service includes the following rate elements:

- ISDN-PRI Switched Facility
- ISDN-PRI Access
- Channel Activations
- Subsequent Activity
- ISDN Primary Rate Interface (PRI) - Switched Facility

1. The ISDN-PRI Switched Facility element is the line that connects the customer to the exchange and private line networks. Each ISDN-PRI line supports up to 24 channel network connections and uses digital technology to transport integrated capacity over a clear channel T-1 facility or functional equivalent.

2. ISDN Primary Rate Interface (PRI) - Access

The ISDN-PRI Access element provides the switch termination of the PRI line. A PRI Access element is required with each PRI line. PRI Access typically requires 23 individual B-channels and one D-channel. The B-channel is a bearer channel that carries digitized traffic at up to 64 Kbps. The D-channel is a signaling channel used to control and route B-channel traffic.

a. Channel Configuration of ISDN-PRI Access:

- ISDN-PRI 23B plus D
- ISDN-PRI 23B plus D-channel Backup
- ISDN-PRI 24B

b. The ISDN-PRI 23B plus D-channel provides 23 individual B-channels and one D-channel for signaling. A 23B plus D-channel backup configuration provides the ability to provision a second PRI D-channel as a backup D-channel. A 24 B-channel configuration allows all 24 channels to carry traffic while the associated signaling is provided by either a 23B plus D or 23B plus D-channel backup configured ISDN-PRI.

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I. ISDN-PRI SERVICE (Cont'd)

H. DESCRIPTION OF RATES (Cont'd)

3. Subsequent Activity

Nonrecurring charges for database configuration work will apply for all subsequent activity related to changes in channel configuration or ISDN-PRI attributes. The database charges are applied on a per-PRI, per-order basis.

4. Channel Activations

a. Channel activation charges will apply to provide traffic capability for up to 24 B-channels. Channel activations are monthly recurring charges applied on a per channel basis with the exception of B-Channel - DID Only, which has a nonrecurring charge applied on a per facility basis.

b. Types of Channel Provisioning:

D-Channel Backup - A "D" channel provisioned to automatically take over for a failed "D" channel in the event of trouble.

DID/DIOD Channel - A "B" channel provisioned with DID/DIOD Service. DID Service allows callers to dial from the public network straight to a desired extension within a PBX or Centrex system without operator intervention. DIOD Service allows the above plus allows outgoing calls from extensions of a PBX or Centrex system to be placed directly by dialing an access digit and the desired number without operator intervention.

WATS & 800 Channel - A "B" channel provisioned with WATS or 800 Service. WATS Service allows customers to make toll calls to specified service areas on a direct dialing basis. 800 Service receives incoming calls that are free to the calling party.

IXC Channel - A "B" channel provisioned to interconnect with various compatible services provided by an Interexchange Carrier or other service provider.

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I. ISDN-PRI SERVICE (Cont'd)

H. DESCRIPTION OF RATES (Cont'd)

4. Channel Activations (Cont'd)

b. Types of Channel Provisioning: (Cont'd)

B-Channel - DID Only - A "B" channel provisioned with DID Service. DID Service allows callers to dial from the public network straight to a desired extension within a PBX or Centrex system without operator intervention.

Tie Channel - A "B" channel provisioned for dedicated connectivity between two customer switching points or between ISDN-PRI central offices that connect customer switching points.

Data Channel - A "B" channel provisioned for Switched Data Service. Switched Data Service provides end-to-end transport for switched digital data.

5. Term Discounts

Term Discounts are applicable to the PRI Access, PRI Switched Facility, and PRI Channel Activation charges for Voice Channels and Data Channels (up to 23 channels per individual PRI Access). Discount does not apply to D-Channel Backup. The term discount will be applied as follows:

- One year/12 months = 0% discount
- Two years/24 months = 4% discount
- Three years/36 months = 8% discount
- Four years/48 months = 12% discount
- Five years/60 months = 16% discount

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I. ISDN-PRI SERVICE (Cont'd)

I. RATES AND CHARGES

	<u>Nonrecurring Charge (1)</u>	<u>Monthly Charge</u>
Subsequent Activity Charge (per PRI, per order)	\$123.14	-
Additional Telephone Numbers (See Section 11 – DID Service for rates)	-	-
ISDN-PRI Switched Facility (see footnotes (2) through (5))	\$300.00	\$200.00
ISDN-PRI Access (Interface Arrangement) (23B+D, 24B, or 23B+D Channel Back-Up)(5)	\$300.00	\$200.00
Channel Activations (per channel in service)		
Voice (5)	-	\$14.06
Data (5)	-	\$22.65
D-Channel Backup	\$65.00	\$200.00
DID/DIOD Channel	-	\$13.50
WATS & 800 Channel	-	\$22.00
IXC Channel	-	\$21.50
Channel Activations (per PRI facility)		
B-Channel – DID Only	125.00	-

For footnotes, see next page.

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I. ISDN-PRI SERVICE (Cont'd)

I. RATES AND CHARGES

Footnotes:

- (1) Applicable Service Order Charges may apply in addition to the listed nonrecurring charges.
- (2) Does not include the FCC End User Common Line Charge or Access Recovery Charge, which shall be applied in accordance with the National Exchange Carrier Association's FCC Tariff No. 5.
- (3) Where available, EAS and ELC charges are also applicable on a per-channel basis.
- (4) Optional local calling plans, where available, are rated on a per-channel basis.
- (5) Term discounts may apply per Subsection I.H.5, above.

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II. IP CENTREX SERVICE

A. General

1. IP Centrex is a central office based service which provides key type features to multi-line business customers.
2. All IP Centrex lines, trunk access or intra-group access, require both the switching access and loop access components in order for service to be offered by the Telephone Company. The service also requires a sufficient broadband connection. Broadband is not a tariffed component of this service.
3. IP Centrex will be offered in wire centers where such equipment exists to provide the service. Customers must use Internet Protocol (IP)-capable telephony devices for all features to work properly.
4. One directory listing is provided without charge for each IP Centrex system. Additional directory listings for IP Centrex stations may be provided to the customer at the regular business extra listing rate according to the regulations set forth in Section 7 of this tariff.
5. The customer will order the quantity of lines to have trunk access to the public switched network and the remaining quantity of lines to have intra-group only access, subject to Telephone Company standards. Any request to deviate from these standards will be rated on an individual case basis. Any trunk access connections terminating in a PBX will be assessed the PBX rate found in Section 4 of this tariff. Any trunk access connections terminating in a KEY system will be assessed the KEY rate found in Section 4 of this tariff.
6. Tie lines for direct connections between Poka Lambro IP Centrex groups and other systems are provided primarily for communication between stations within each system.
7. All general Rules and Regulations found in Section 3 of this tariff apply to the provision of IP Centrex service.
8. IP Centrex lines and extensions may be terminated at the customer's single premises or at different premises served by the same central office.

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II. IP CENTREX SERVICE (Continued)

A. General (Continued)

9. The service is not available for use with residential service or Pay Telephone Access Service.
10. IP Centrex Service may not be used to resell local or long distance service.
11. E911 Service accessible via IP Centrex Service is subject to limitations as outlined in Section 3. II.G, General Rules and Regulations.

B. IP Centrex Package

1. Trunk access provides a maximum quantity of IP Centrex stations full access simultaneously to the entire public switched network. This maximum quantity is referred to as IP Centrex Trunk Access lines.
2. Intra-group only access provides a customer's IP Centrex stations restricted access only to other stations within the predefined IP Centrex group. This access is referred to as intra-group (IG) lines.
3. IP Centrex customers subscribe to service based on the total number of access lines which may process trunk access calling simultaneously. All lines ordered by the customer have the capability for trunk access. However, only a given quantity of lines ordered by the customer can process trunk access calling simultaneously, with all other lines in the group being left to process intra-group calling only. As an example, if a customer orders 20 lines and wants a quantity of 5 lines to have trunk access capabilities simultaneously, if any given 5 lines are processing trunk access calling, the remaining 15 lines will only be able to process intra-group calling until one of the 5 lines processing a trunk access call terminates the call.
4. The customer may order optional features which are listed in Section 11 of this tariff.
5. End User Common line charges (EUCL) will be billed as set forth in FCC rules.

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II. IP CENTREX SERVICE (Continued)

C. Definitions

Abbreviated Dialing Codes

1) An arrangement where typically 3, 4, or 5 digits are used to call another station within the same customer group; or (2) Frequently called telephone numbers may be accessed by dialing single or multiple digits. Telephone numbers are programmed into the IP Centrex system and correspond to assigned digits also known as Speed Calling.

Customer Group

A collection of stations where calls originate and terminate within the IP Centrex system of a single IP Centrex customer.

Dual Tone Multi-Frequency

A method of telephone signaling which transmits two simultaneous tones at different frequencies to signify a digit (as part of a telephone number).

Hunting

A search through a group of numbers until an idle station is found or the first number of the group is reached. Used to avoid having incoming calls receive busy signals. The customer group to be searched and the sequence in which the search will be performed are defined by the IP Centrex customer at the time the system is installed.

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II. IP CENTREX SERVICE (Continued)

C. Definitions (Continued)

Switching Access

All facilities, excluding Loop Access facilities, for usage of the telecommunications switching network either for access to and from the public switched network (Trunk Switching Access), or for intercommunication only between stations within each IP Centrex system (Intra-Group Switching Access).

Loop Access

All facilities, including outside plant and central office circuit facilities, from the customer's premises to their IP Centrex service central office.

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II. IP CENTREX SERVICE (Continued)

D. Rates (1)

	Monthly Rate
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1. SWITCHING ACCESS	
a. Centrex Trunk	(2)
b. Intra-Group Switched Access, per connection	\$3.60
2. LOOP EQUIVALENT	
Per Station	\$6.10

- (1) Applicable service charges will apply, per Section 5 of this tariff.
- (2) Applicable rates for Business Access Line Rates or PBX Trunk Rates shall be applied per Section 4.I.C

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